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October 30, 2025

VIA RESS AND EMAIL

Ritchie Murray
Acting Registrar
Ontario Energy Board
2300 Yonge Street, 27th Floor
Toronto, ON M4P 1E4

Dear Ritchie Murray:

Re: Enbridge Gas Inc. (Enbridge Gas, or the Company)
EB-2020-0091 – Enbridge Gas Asset Management Plan Addendum 2026

As promised in the Integrated Resource Planning (IRP) Framework proceeding, Enbridge Gas will file an Asset Management Plan (AMP) or an Addendum to the AMP annually.

During the deferred rebasing term, the AMP or an Addendum to the AMP was filed in the annual rate applications to support the request for Incremental Capital Module (ICM). In Q4 2024, Enbridge Gas filed the 2025–2034 AMP as a standalone document with no ICM request. In 2025, Enbridge Gas is filing the Addendum to address material developments since the previously filed 2025–2034 AMP.

Included with the Addendum is the interim report for Enbridge Gas's Hydrogen Grid Study, a feasibility assessment for blending Hydrogen into existing natural gas infrastructure. At the completion of the study, a final report will be filed with the OEB.

The Addendum is being filed for informational purposes. Enbridge Gas is not seeking any approval in relation to this filing.

Please contact the undersigned if you have any questions.

Sincerely,

Justin Egan

Justin Egan
Technical Manager, Regulatory Applications

cc: David Stevens, Aird and Berlis LLP
EB-2020-0091 and EB-2022-0200 Intervenors

Enbridge Gas Ontario Asset Management Plan Addendum – 2026

October 30, 2025

Report

Company: Enbridge Gas Inc.

Owned by: Asset Management Governance Department

Enbridge Gas Ontario Asset Management Plan Addendum – 2026

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1 Overview

1.1 Purpose of the Addendum

Enbridge Gas Ontario (Enbridge Gas) is committed to applying robust asset management practices to optimize the lifecycle performance of its assets. This disciplined approach supports operational excellence, enhances long-term value creation, and delivers cost-effective, reliable service for Enbridge Gas customers.

This Addendum outlines key considerations related to the continued and evolving role of natural gas in Ontario's energy system, provides updates, and addresses material developments since the previously filed 2025–2034 Asset Management Plan (AMP).

Specifically, this Addendum outlines the continued and evolving need for natural gas to support Ontario's energy system, associated infrastructure and capital requirements to continue to serve customers, considerations for evolving energy policies and budget variances that have occurred. This Addendum provides updates to the 2025 forecast and the 2026 to 2029 forecast of capital. This Addendum also includes the recently updated 10-year System Reinforcement Plan (SRP).

As part of Enbridge Gas' commitment to meeting the requirements of the Integrated Resource Planning (IRP) framework, a list of IRP related investments—along with their evaluation status—is provided in Appendix B of this Addendum. In addition, this Addendum provides updates related to Energy Policy and Market Adjustments based on available external information, policy signals, market trends and internal data.

Appendix C sets out the interim report for Enbridge Gas's Hydrogen Grid Study. As detailed in Enbridge Gas's 2024 Rebasing application[1], this study is aimed at assessing the feasibility of integrating hydrogen into Enbridge Gas' existing natural gas infrastructure. At the completion of the study, a final report will be filed with the OEB.

The Addendum is being filed for informational purposes and Enbridge Gas does not seek any approval from the OEB in relation to it.

1.2 Evolving Energy Policy

There were several important provincial and federal energy policy announcements in 2025. The Government of Ontario released *Energy for Generations: Ontario's Integrated Plan to Power the Strongest Economy in the G7* (Integrated Energy Plan or IEP),[3] and the *Protect Ontario by Building Faster and Smarter Act, 2025* (Bill 17).[2] Both policies underscore the value of natural gas and its critical role in Ontario's energy system. The Government of Canada made a change to its *Greenhouse Gas Pollution Pricing Act* by setting the federal carbon charge to zero. While the energy policy landscape continues to evolve over time, the need and expectation for Ontarians to have access to energy that is affordable, reliable, resilient and secure remains unchanged.

Enbridge Gas will continue to monitor energy policy changes and incorporate appropriate and prudent Energy Policy and Market Adjustments to its business and system planning based on available external information, policy signals, market trends, and internal data. Applied to demand forecasts (for existing customers, customer additions, and average annual use) and design elements (design hour and design day), the Energy Policy and Market Adjustments are used in Enbridge Gas' business planning functions such as the SRP, the AMP, and the Gas Supply Plan.

In 2025, Enbridge Gas continued to apply regional Energy Policy and Market Adjustments for the 2026 to 2035 forecasts for the City of Toronto and Ontario-wide (excluding Toronto). Enbridge Gas will continue to monitor how Ontario energy policy evolves, especially in relation to Bill 17, which seeks to reduce the overlap between provincial and municipal regulations by clarifying that municipalities cannot establish their own standards for the construction and demolition of buildings, including Green Development Standards. Enbridge Gas will also continue to monitor internal data and system demands to ensure that investment decisions continue to be made based on the best available information, and that customers continue to have access to affordable, reliable, resilient and secure energy.

[1] EB-2022-0200, Exhibit 4, Tab 2, Schedule 6.

1.3 Ensuring Reliable and Resilient Energy for Ontario: The critical role of natural gas

The Enbridge Gas system "remains a vital component of Ontario's future energy mix"[2] as recognized by the Government of Ontario in the province's first Integrated Energy Plan. As the backbone of natural gas delivery in the province, Enbridge Gas plays a vital role in providing reliable, affordable, and secure energy to millions of Ontarians. Its infrastructure supports residential, commercial, and industrial energy needs, and is essential to Ontario's strategy for a resilient and integrated energy future.

The Enbridge Gas system, inclusive of the Dawn Hub, offers Ontarians a strategic energy asset that has consistently demonstrated reliability, resilience and security. It plays a vital role in heating homes, fueling peak power generation, serving as feedstock to critical sectors (e.g., steel, petrochemicals and manufacturing) and underpinning the competitiveness of Ontario's economy at large. In light of recent extreme weather events, the essential contribution and dependable performance of natural gas has become undeniably clear.

During a polar vortex on January 22, 2025, "Enbridge Gas delivered 4.9x the energy of nuclear, hydroelectric, wind, solar and biofuel combined"[3] over a peak hour. During a deep freeze that saw temperatures drop to –25°C in the City of Toronto, Enbridge Gas' system demonstrated resilience under peak conditions, ensuring Ontarians stayed warm and safe.

In March 2025, severe ice storms swept across Ontario, leaving more than one million electricity customers[4] without power. Despite the widespread outages, the natural gas system demonstrated exceptional reliability, continuing to operate with minimal interruption. During this outage, many Ontarians were able to shelter in place thanks to natural gas-powered fireplaces, stoves or generators – critical resources that provided warmth while waiting for electricity to be restored.

On June 22, 2025, and in the days that followed, Ontario experienced its first heat wave of the year, breaking temperature records for June.[5] The heat continued to persist through July and again a heat wave covered much of Ontario from July 26 to 29. As a dispatchable and flexible energy source, natural gas was relied on to ensure the electricity grid was resilient during the hottest days on record. The numbers speak for themselves: July 29, 2025 saw the highest day of natural gas delivery to Ontario electricity generators; and on July 29, 2025 from 8 p.m. to 9 p.m. 22,596 MW was produced and natural gas accounted for a record peak of 36% of that generation (see **Figure 1.3-1**), keeping air conditioners and critical industry running in the province.

Extreme weather events place unprecedented demands on energy systems, underscoring the need for robust and integrated infrastructure. As communities experience the effects of extreme weather events, natural gas and natural gas infrastructure remain a critical and foundational element of Ontario's energy system delivering reliability when it is needed most and supporting energy affordability now and into the future.

Enbridge Gas is committed to reliably serving its customers by ensuring continued access to a cost-effective natural gas network. Its infrastructure consistently plays a vital role in attracting industrial investment, driving economic growth, preserving customer choice and reinforcing the resiliency, reliability, and affordability of Ontario's energy system.

[2] (2025, June). Energy for Generations: Ontario's Integrated Plan to Power the Strongest Economy in the G7 (p. 95). *Government of Ontario.*
[3] Enbridge Gas. (2025, August 8). Ontario's natural gas system is built to withstand extreme weather like the polar vortex, ensuring reliable energy when it's needed most [Post]. *LinkedIn.*
[4] Howes, N. (2025, April 5). 1 million customers hit hard. Ontario's historic ice storm by the numbers. *The Weather Network.*
[5] Raveendran, R., & Draaisma, M. (2025, June 23). Extreme heat breaks temperature record at Toronto's Pearson Airport. *CBC News.*

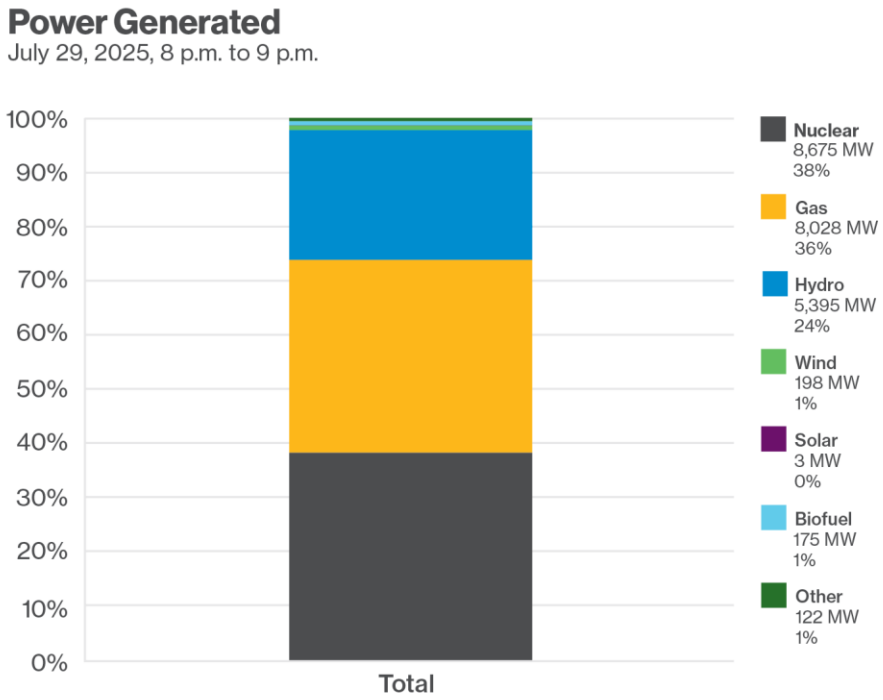

Figure 1.3-1: Ontario Generation Mix[6]

[6] Independent Electricity System Operator. (n.d.). Data Directory. *IESO*.

2 Summary of Capital Expenditures

This section discusses the variances in 2025 and 2026 compared to the filed 2025–2034 AMP[7]. Although reprioritizations have occurred, alignment to expected capital expenditure levels set out by the OEB through the Rebasing Phase 1 Decision and Order[8] have been maintained, including a reduction of $50MM/year to indirect overheads annually embedded within the Asset Class totals. Emerging and revised projects (discussed in **Section 3**) were identified and evaluated based on the same assumptions used to develop the 2025–2034 AMP.[9] Optimization was performed for the years 2026 to 2029 to ensure a balance of risk, benefits, and cost to meet customer needs and achieve desired asset performance. Updated cost estimates were prepared for new or revised projects, and no changes were made to inflation assumptions for future year projects. Projects with solution scopes still under development were not included.

2.1 Capital Variance Explanations

Table 2.1-1 compares the 2026 Capital Plan that was included in the 2025–2034 AMP versus the updated 2026 Capital Budget and highlights the key drivers for notable variances.

Table 2.1-1: 2026 Capital Plan vs 2026 Budget (includes overheads)[10]

Asset Class	2026 Capital Plan	2026 Budget	Variance	Variance Explanation
Growth	383.3	288.2	-95.1	The decrease of $95.1MM is driven by: • **Growth System Reinforcement:** A total decrease of $74.9MM is driven primarily by (i) the extended deferral of $ 56.3MM for the Hamilton Reinforcement Project due to continued customer evaluation of the project, (ii) a deferral of $47.55MM for three SRP investments in the Mississauga/Shelburne region due to reassessment of scope and timing, and (iii) a decrease of $3.0 MM in scope to several other reinforcement projects. These reductions are partially offset by $30.3 MM in new customer-driven reinforcement projects plus $1.6 MM increase for system reinforcement project. • **Customer Connections:** A total decrease of $21.7MM is in response to a refreshed customer additions forecast completed in 2025. This is driven by lower housing starts as reported by CMHC[11] for both 2024 and 2025. • **Hydrogen Blending:** A total increase of $1.5MM is caused by updated third-party cost actuals at the end of 2024 and into 2025.
Distribution Pipe	348.2	365.2	17.0	The increase of $17MM is driven by: • **Integrity:** An increase of $7.2MM is primarily caused by $9.7MM increase for Integrity Digs and cost pressures of $5.9MM for EDIMP. These increases are partly offset by the deferral of $6.5MM for depth

[7] EB-2022-0200, Exhibit 4, Tab 2, Schedule 6
[8] EB-2022-0200 OEB Decision and Order (December 21, 2021).
[9] EB-2020-0091 AMP Filing (November 8, 2024), Section 3.1, p.22.
[10] Costs are expressed in millions of Canadian dollars.
[11] **Building Industry and Land Development Association (2024, September 25).** *Government intervention required immediately to avoid a severe housing downturn*. This is the Altus Report on the current state of housing sales, construction investment and potential job loss risks.

Asset Class	2026 Capital Plan	2026 Budget	Variance	Variance Explanation
				of cover projects and $1.9MM refinement of the Retrofit and Geo-Hazard Mitigation program. • **Corrosion:** An increase of $2.6MM is primarily driven by spend to renew anodes based on the Cathodic Protection (CP) survey. • **Main Replacements:** An increase of $4.6MM is driven by changes to replacement work prioritization and net new investments. • **Service Relay Blankets:** An increase of $6.5MM is based on leak frequency increases. • **Class Location:** A decrease of $3.8MM is mainly due to work that was pulled into 2025 for construction efficiencies.
Distribution Stations	71.4	76.4	5.0	The increase of $5.0MM is driven by: • **CNG:** An increase of $3.8MM is attributed to the addition of compressed natural gas (CNG) decanting stations to provide additional CNG sources for at-risk distribution networks during peak winter periods. A decrease of $1.0MM is due to a change in the Fleet strategy and the elimination of new CNG refueling stations for the company Fleet vehicles. • **Inside/External Regulator Replacements:** An increase of $1.1MM is for continuing the program to remediate the remaining significant risks. • **Small Stations:** An increase of $8.4MM is attributed to portfolio reprioritization to address condition-related issues identified through inspections. These projects include known risks such as vaulted stations, heater replacements, low pressure stations, and other operationally identified concerns. • **Distribution Stations:** An increase of $7.3MM is for the smaller station projects is offset by the review of current asset needs at larger station projects, which are under review for timing and scope and have been deferred out and beyond 2026.
Utilization	162.2	177.7	15.5	The increase of $15.5MM is attributed to the Meter Exchange program driven by a new labour contract agreement in Q1 2025 and material cost increases from inflation and tariffs.
Compression Station	70.3	82.5	12.2	The increase of $12.2MM is driven by: • **Improvements:** An increase of $8.2MM is attributed to Emissions Reduction improvements. An increase of $1.1MM is due to the deferral of the Hagar LNG Tank Modifications from 2025 to 2026 for refinement of scope and planning to accommodate LNG production in late 2025. • **Replacements:** An increase of $18.2MM is for condition-based replacement projects was identified though inspection activities. A decrease of $8.8MM is for scope refinement and is due to the Waubuno Lifecycle replacement.

Asset Class	2026 Capital Plan	2026 Budget	Variance	Variance Explanation
				• **Overhauls:** A decrease of $8.8MM is due to overhaul deferrals based on current run hours. • An increase of $2.3MM is attributed to other smaller project deferrals from 2025 into 2026.
Transmission Pipe & Underground Storage	68.7	56.4	-12.3	The decrease of $12.3MM is driven by: • **Growth Improvements:** A total decrease of $22.1MM is primarily driven by the deferral of $20.6MM for the Dawn to Parkway Expansion Project: Kirkwall to Hamilton Loop and $1.5MM several smaller reductions. • **Replacements, Class Location and Integrity:** A total increase of $9.7MM is driven by $7.8MM replacement costs for the proposed Guelph security of supplies crossover project, $1.1MM increase due to deferring Class Location projects from 2025 to 2026, and $0.8MM increase drive by several adjustments to Integrity programs (Retrofit, Dig, and Depth of Cover).
Fleet & Equipment	33.7	43.5	9.7	The increase of $9.7MM is driven by: • **CNG Alternatives:** An increase of $6.7MM is attributed to the purchase of CNG tube trailers which are planned to address system constraints where there is currently not a viable pipe reinforcement option available. • **Emissions Reductions:** An increase of $1MM is due to the deferral of purchases for CNG booster trailer assets from 2025 into 2026. • **Heavy Equipment and Vehicle Replacement:** An increase of $2.2MM to programs is due to deferrals from previous years. • **Tool Replacements:** A minor decrease of $0.4MM resulted from multi-year reprioritizations.
Real Estate & Workplace Services	18.6	69.1	50.6	The increase of $50.6MM is primarily driven by execution timing of the New London Office, the GTA West New Build and the Kennedy Road New Build projects. Increases for these investments is partially offset by reductions associated with the Thorold Operations Building construction, the Sudbury Regional Operations Centre project, and several smaller project deferrals and adjustments resulting from updated priorities.
Technology & Information Services	94.1	88.4	-5.6	The decrease of $5.6MM is related to reprioritization of the TIS Business Solutions portfolio based on business needs, net of reductions, deferrals, and offset by new investments added to the forecast.
EA Fixed Overheads	41.0	41.0	0	N/A
TOTAL	**1,291.6**	**1,288.6**	**-3.0**	

Table 2.1-2 shows the 2025 Forecast compared to the 2026 Capital Budget for Enbridge Gas.

Table 2.1-2: 2025 Forecast vs 2026 Capital Budget (includes overheads)[12]

Asset Class	2025 Forecast	2026 Budget	Variance	Variance Explanation
Growth	281.8	288.2	6.4	The overall increase of $6.4MM is driven by: • **System Reinforcement:** An increase of $29.1MM in Large Customer-driven projects is due to scope and timing changes, offset by a decrease of $7.5MM is due to the completion of the Caledonia Station – Hamilton Airport Expansion Project, and a decrease of $3.3MM is due to adjustments to several small System Reinforcement projects. • **Customer Connections:** A decrease of $9.0 MM to Customer Connections is due to a reduction in the forecasted number of customer additions. • **Hydrogen Blending:** A decrease of $2.9MM is due to shifting costs between budget years.
Distribution Pipe	351.9	365.2	13.3	The increase of $13.3MM is driven by: • **Corrosion:** An increase of $2.1MM is due to increased spend to renew anodes based on the Cathodic Protection (CP) survey. • **Main Replacements:** An increase of $26.2MM is driven by changes to replacement work prioritization and net new investments. • **Service Relay Blankets:** A decrease of $10.8MM is based on reductions to the AMP Fitting Replacement program. • **Class Location:** A decrease of $3.4MM is mainly due to work that was pulled into 2025 for construction efficiencies. • **Relocation:** An increase of $7.3MM is due to new net relocations in some municipalities. • **Integrity:** A decrease of $8.2MM is primarily due to the completion of major geohazard remediation work (Bruce Lake) in 2025 and net adjustments in other programs.
Distribution Stations	67.4	76.4	9.0	The increase of $9.0MM is driven by: • **CNG:** An increase of $4.1M is attributed to the addition of compressed natural gas (CNG) decanting stations to provide additional CNG sources for at-risk distribution networks during peak winter periods. • **Inside/External Regulator Replacements:** A decrease of $1.9MM

[12] Costs are expressed in millions of Canadian dollars.

Asset Class	2025 Forecast	2026 Budget	Variance	Variance Explanation
				is due to the completion of additional work in 2025 to remediate the remaining significant risks. • **Small Stations:** An increase of $15.8MM is for smaller station projects for reprioritization of condition-related issues identified through inspections. These projects include known risks such as vaulted stations, heater replacements, low pressure stations, and other operationally identified concerns. • **Distribution Stations:** A decrease of $9.0MM is due to the reassessment of current asset needs, scope and timing resulting in deferral beyond 2026.
Utilization	178.5	177.7	-0.7	The variance is a result of minor forecast adjustments.
Compression Station	42.6	82.5	40.0	The increase of $40.0MM is driven by: • **Replacements:** Increases of $15.7MM were forecasted for the Dawn C Compressor Lifecycle Replacement, $7.0MM for condition-based replacement projects identified though inspection activities, and $1.8MM for Hagar LNG Tank Modifications and $1.8MM for Boil-Off Gas Recovery initiatives. • **Improvements:** An increase of $10.5MM is required for Emissions Reduction improvements. • **Overhauls:** An increase of $5.9MM is forecasted for time-based compressor overhauls.
Transmission Pipe & Underground Storage	127.2	56.4	-70.8	The decrease of $70.8MM is driven by: • **Growth:** A decrease of $64MM is primarily driven by the completion of the Panhandle Regional Expansion Project. • **Integrity:** A decrease of $17.1MM is driven by shifting Integrity Digs on the NPS26 and NPS34 Trafalgar Lines into 2025 from 2026, as well as other smaller adjustments. • **Lands:** A decrease of $1.9MM in Lands is due to the closing of a property acquisition in 2025. • **Class Location:** An increase of $1.7MM is a result of deferring projects from 2025 to 2026. • **Replacements:** A total increase of $10.3MM is due to an increase $8.4MM in the proposed Guelph Security of Supply Crossover Project, $3.3MM for the Panhandle Line - Risk Mitigation and $0.9MM for the Wells Replacement Project. This is partially offset by shifting

Asset Class	2025 Forecast	2026 Budget	Variance	Variance Explanation
				$2.2MM for the completion of the California Ave. Leak Repair from 2026 to 2025.
Fleet & Equipment	34.5	43.5	8.9	The increase of $8.9MM is driven by: • **Heavy Equipment and Vehicle Replacement:** An increase of $6.4MM is due to deferrals from previous years. • **CNG Alternatives:** An increase of $6.7MM is for the purchase of new CNG tube trailers providing supply for at-risk distribution networks during peak winter periods. • **Emission Reductions:** An increase of $2.5MM is for the purchase of emission reduction Booster trailers in 2026. • **Tool Replacement:** A decrease of $6.7MM is due to the purchase of tooling for double isolation and flaring pulled forward into 2025.
Real Estate & Workplace Services	36.6	69.1	32.6	The increase of $32.6MM is due to the London office construction being reprioritized into 2026.
Technology & Information Services	71.6	88.4	16.8	The increase of $16.8MM is mainly due to the planned spend in 2026 for business enablement and sustainment projects: GIS Integration $6MM, SAP Products and Systems Refreshes $4.8MM, General Services Rebasing Changes $2.4MM, Maximo Upgrade $2.4MM and SCADA Datacenter Upgrade $1.2MM.
Extended Alliance (EA) Fixed Overheads	45.6	41.0	-4.5	The decrease of $4.5MM is due to new contract terms with Extended Alliance partners which was not originally captured in the 2026 budget.
TOTAL	**1,237.7**	**1,288.6**	**50.9**	

Table 2.1-3 shows the 2025 Capital Budget published in the 2025–2034 AMP compared to the 2025 forecast for Enbridge Gas.

Table 2.1-3: 2025 Forecast vs 2025 Capital Budget Forecast (includes overheads)[13]

Asset Class	2025 Budget	2025 Forecast	Variance	Variance Explanation
Growth	320.3	281.8	-38.5	The decrease of $38.5MM is driven by: • **System Reinforcement:** An increase of $1.4MM in System Reinforcement is due to several small adjustments. • **Customer Connections:** A decrease of $39.9MM is in response to a refreshed customer additions forecast completed in 2025. This is driven by lower housing starts as reported by CMHC and trends seen in 2024.
Distribution Pipe	331.5	351.9	20.4	The increase of $20.4MM is driven by: • **Class Location:** An increase $4.0MM is due to work shifted for construction efficiencies. • **Service Relay Blankets:** An increase of $22.2MM is based on historical spend adjustments and leak frequency increases forecasted by DIMP Reliability models. • **Corrosion:** A decrease of $1.5MM is related to Cathodic Protection activities. • **Main Replacements:** A decrease of $2.4MM is driven by changes to replacement work prioritization and net new investments. • **Relocations:** A decrease of $5.9MM is due to forecast revisions. • **Integrity:** An increase of $4MM is primarily due to net new geohazard mitigation work (Bruce Lake) and other forecast revisions.
Distribution Stations	78.4	67.4	-11.0	The decrease of $11.0MM is driven by: • **CNG:** A decrease of $3.3M is due to a change in the Fleet strategy and the elimination of new CNG refueling stations for the company Fleet vehicles. • **Inside/External Regulator Replacements:** An increase of $1.0MM is due to pacing related to the program to remediate the remaining significant risks. • **Small Stations:** A decrease of $2.7MM is attributed to reprioritization efforts within the portfolio addressing condition-related issues identified through inspections. These projects include known risks such as vaulted stations, heater replacements, low pressure stations, and other operationally identified concerns.

[13] Costs are expressed in millions of Canadian dollars.

Asset Class	2025 Budget	2025 Forecast	Variance	Variance Explanation
				• **Distribution Stations:** A decrease of $6.0MM is due to the reassessment of current asset needs, scope, and timing at larger station projects with projects being deferred beyond 2026.
Utilization	166.0	178.5	12.5	The increase of $12.5MM is attributed to the Meter Exchange program driven by the new labour contract agreement which took effect in Q1 2025, as well as the inflationary and tariff-related cost increases in materials.
Compression Station	49.3	42.6	-6.7	The decrease of $6.7MM is driven by: • **Improvements:** A net decrease of $6.5MM is due to the deferral of $2.7MM for Hagar LNG Tank modifications, $2.6MM for Seal Vent Capture initiatives, and $1.2MM for several smaller forecast adjustments. • **Replacements:** A net decrease of $1.2MM is due to the Waubuno Lifecycle replacement scope refinement of $3.1MM offset by $1.9MM increase due to several smaller forecast adjustments. • **Land/Structures:** A net increase of $1.4MM is for $1.8MM Parkway East Site Fire Suppression offset by a $0.4MM decrease due to several smaller forecast adjustments. • **Overhauls:** A net decrease of $0.4MM is in time-based overhauls.
Transmission Pipe & Underground Storage	113.9	127.2	13.3	The increase of $13.3MM is driven by: • **Growth:** An increase of $11.7M is due to the shift of construction activities and adjustments to the 2025 fiscal forecast for the Panhandle Regional Expansion Project. • **Class Location:** An increase of $1.0MM in Class Location is due to forecast and schedule adjustments. • **Improvements:** The increase of $1.1MM is driven by newly approved Unregulated Storage Allocation on the Seckerton Meter Station Filter forecast. • **Lands – Growth:** The increase of $1.9MM is due to the closing of a property acquisition in 2025. • **Lands – Improvements:** The decrease of $0.2MM is due to several smaller adjustments to account for deferrals and execution timing. • **Replacements:** The increase of $2.1MM in replacements is mainly due to the California Ave. Leak Repair and other smaller adjustments. • **Integrity:** The decrease of $4.3MM is primarily driven by the deferral of $4.9MM for hard-to-inspect pipeline retrofits, $2.4MM

Asset Class	2025 Budget	2025 Forecast	Variance	Variance Explanation
				net reductions in Depth of Cover which were partially offset by $2.6MM increase to Integrity Digs and $0.2MM in several other smaller adjustments.
Fleet & Equipment	38.0	34.5	-3.5	The decrease of $3.5MM is driven by: • **Emissions Reductions:** A decrease of $1.7MM is due to deferred purchases to 2026. • **Heavy Equipment and Vehicle Replacements:** A decrease is $4.5MM of heavy equipment and an increase of $1.8MM is due to reprioritization based on value models. • **Tool Replacement:** An increase of $0.9MM is for the purchase of a new flaring tool and other smaller purchases.
Real Estate & Workplace Services	28.7	36.6	7.9	The increase of $7.9MM is driven by: • An increase of $1.2MM for the reprioritization of GTA West. • An increase of $3.8MM for Station B. • An increase of $1.3MM for the New Ottawa Build. • An increase of $1.6MM in growth and enhancement initiatives. These include the 555 Riverview Consolidation, transitions from Ancaster to Stoney Creek and Dunnville to Simcoe, and the Annex improvements.
Technology & Information Services	73.8	71.6	-2.2	The decrease of $2.2MM is related to reprioritization of the TIS Business Solutions portfolio based on business needs.
EA Fixed Overheads	40.0	45.6	5.6	The increase of $5.6MM is due to new contract terms with Extended Alliance partners reflecting increased scope of services and adjustments for inflation.
TOTAL	**1,239.9**	**1,237.7**	**-2.2**	

3 Asset Management Developments

3.1 Updated Energy Policy and Market Adjustments

Enbridge Gas conducts an annual review of external energy policy signals, market trends, stakeholder feedback[14] and internal data to determine the potential impact on natural gas demand in the 10-year forecast period. This information is used to update the Energy Policy and Market Adjustments, which are applied to the demand forecasts (for number of existing customers, customer additions, and average annual use) and design elements (design hour and design day).

Since filing the 2025–2034 AMP on October 31, 2024, the energy policy landscape in Ontario has continued to evolve, with the following significant energy policy changes occurring:

- On March 15, 2025, the Government of Canada amended the *Greenhouse Gas Pollution Pricing Act* to set the federal carbon charge rate to $0.00 effective April 1, 2025.[15] Accordingly, Enbridge Gas stopped charging the federal carbon charge on customer bills as of April 1, 2025. The Ontario Emissions Performance Standards (EPS) Program, a carbon pricing system that applies to industrial facilities that produce larger levels of greenhouse gas (GHG) emissions, remains in place. Under the EPS, facilities must either stay within their annual GHG emissions limit or pay a carbon price for any emissions that exceed the limit.
- On June 5, 2025, the Government of Ontario introduced the *Protect Ontario by Building Faster and Smarter Act, 2025* (Bill 17).[16] Bill 17 aims to accelerate housing development and ensure consistency for builders across Ontario. To reduce overlap between municipal and provincial regulations, Bill 17 clarifies that municipalities cannot establish their own construction or demolition standards for buildings (as those standards fall within the province's jurisdiction), which includes municipal Green Development Standards and cover topics like energy efficiency and GHG reduction requirements. The Government of Ontario has emphasized that municipalities should refrain from imposing building level standards beyond provincial regulations and has signaled that additional legislative actions may be implemented. This was later followed by letters from the Deputy Minister of Municipal Affairs and Housing to the City of Toronto and other municipalities on June 19, 2025, which provides further emphasis on Bill 17's intent. Enbridge Gas will continue to monitor the outcomes of Bill 17 and its impact to the municipal energy landscape.
- In June 2025, the Government of Ontario released its first Integrated Energy Plan (*Energy for Generations: Ontario's Integrated Plan to Power the Strongest Economy in the G7*),[17] which outlines the government's commitment to ensure the province's energy systems and policies are affordable, secure, reliable and clean. This release included Ontario's Natural Gas Policy Statement, which notes that "natural gas remains a vital component of Ontario's energy mix, supporting economic activity and energy reliability across the province. It meets diverse energy needs across the industrial, residential, commercial, institutional and agricultural sectors of the economy."[18] The Integrated Energy Plan provides the Government of Ontario's vision of the future role of natural gas and highlights its critical importance for Ontario's energy sector and broader economy.

Along with the above-noted energy policy changes in 2025, the external market signals and internal data trends mentioned in the 2025–2034 AMP remained consistent from 2024 to 2025. This includes the continued historical correlation between annual housing starts and natural gas connections, findings of the 2024 Residential End Use Survey (REUS) that appeared consistent with the 2023 REUS, and stable internal data related to meter disconnections. The above-noted policy changes, market signals and internal data clearly demonstrate the continued importance of, and reliance on, natural gas in Ontario's energy system and a slower pace of change than previously estimated. As a result, Enbridge Gas continues to forecast that there will not be a significant decline in natural gas customers and/or overall demand in the 10-year forecast period. As such, the 2025 Energy Policy and Market Adjustments for customer additions were maintained; however, the implementation date was moved to 2026,

[14] Includes customer insights gained from the annual Residential End Use Survey, and market intelligence gathered from builders and municipalities.
[15] Government of Canada. (2025 March 15). *Regulations Amending Schedule 2 to the Greenhouse Gas Pollution Pricing Act and the Fuel Charge Regulations*: SOR/2025-107.
[16] Government of Ontario. (2025 June 5). *Bill 17, Protect Ontario by Building Faster and Smarter Act*, 2025.
[17] Government of Ontario. (2025 June 12). *Energy for Generations: Ontario's Integrated Plan to Power the Strongest Economy in the G7*.
[18] Government of Ontario. (2025 June 12). *Energy for Generations: Ontario's Integrated Plan to Power the Strongest Economy in the G7*. Page 95.

effectively shifting the timeline forward by one year.[19] As was done in 2024, the Energy Policy and Market Adjustments for the 2026 to 2035 forecasts were applied for the City of Toronto (Area 10) and Ontario-wide (excluding the City of Toronto). Additionally, in 2025, Enbridge Gas refined the Energy Policy and Market Adjustments for existing customers with the introduction of separate egress adjustments for residential and commercial segments for the City of Toronto and Ontario (excluding the City of Toronto). This refinement, informed by Enbridge Gas' data related to meter disconnections, was made to more accurately reflect egress patterns and observed trends in residential and commercial customer egress.

Enbridge Gas will continue to monitor external energy policy signals, market trends, stakeholder feedback and internal data to determine the potential impact on natural gas demand and determine how the Energy Policy and Market Adjustments should be modified in the future.

3.2 Emerging Asset Class Programs

3.2.1 Distribution Pipe – Aldyl A Pipe

The Vintage Plastic Replacement Program[20] is a proactive replacement program to replace vintage plastic pipe assets before they pose integrity concerns. Among these, Aldyl A plastic pipe represents some of the earliest plastic materials introduced into the gas distribution system. Installed from the mid-1960s through 1977 in the legacy Enbridge Gas Distribution rate zone and until 1986 in the legacy Union Gas rate zones (see **Figure 3.2-1** which shows the total population for Enbridge Gas), Aldyl A has since been identified as a problematic material due to its susceptibility to brittle-like cracking.

Extensive studies across the North American gas industry have shown that this vulnerability stems primarily from oxidation of the inner wall during manufacturing, a condition known as Low Ductile Inner Wall (LDIW), as well as the presence of large spherulites in its microstructure. In 2002, the Pipeline and Hazardous Materials Safety Administration (PHMSA) issued an advisory,[21] specifically highlighting Aldyl A pipe manufactured by DuPont prior to 1973 for its susceptibility to brittle-like cracking.

These material characteristics make Aldyl A pipe particularly prone to cracking and premature failure when exposed to stress intensifiers such as high connection density, squeeze-off locations, and rock impingement in coarse or rocky soils. Higher ambient ground temperatures can accelerate the aging of the Aldyl A pipe; however, the soil temperatures in Ontario are typically lower than the Southern US (5°C to 10°C for Ontario vs 15°C to 20°C for the Southern US). As a result, Enbridge Gas has been monitoring the health of Aldyl A pipe but had not previously justified a proactive replacement program similar to those ongoing in many US locations.

In 2020, Enbridge Gas completed an integrity assessment on Aldyl A outlining the active population, historical and projected failures, and a summary of industry knowledge. A recommendation from the assessment was to continue to monitor and assess Aldyl A to gain a better understanding of the expected lifetime for the material.

Since then, improved risk and modeling techniques and an increased number of incidents related to Aldyl A industry-wide have led to an increased emphasis on Aldyl A risk assessments (including in colder climate locations). Over the last 30 years, several incidents reported from Aldyl A failures in the US have resulted in over 40 fatalities and numerous injuries and property damage.

A reliability model for Aldyl A service connections was developed and included in the annual Asset Health Review (AHR) in 2024.

In late 2024 to early 2025, Enbridge Gas began developing a targeted risk-informed prioritization approach for the replacement of Aldyl A assets across its franchise. This approach combined the 2025 failure projections from the AHR model with a consequence model calibrated based on PHMSA incidents to quantify health and safety risk across the Enbridge Gas system. In addition, a secondary assessment was conducted to identify areas with statistically significant locations where historical Aldyl A leaks have occurred.

The findings from the recent Aldyl A risk assessments identified a portion of the population of Aldyl A assets as high-risk related to health and safety. As a result, Enbridge Gas will develop a phased Aldyl A replacement program with prioritization focused on higher-risk assets. In the interim, until a replacement program is finalized and in place, Enbridge Gas is proceeding with targeted increased leak survey activities, focused on high-risk assets, to closely

[19] Bill 17 and Ontario's Integrated Energy Plan were released following the finalization of the Energy Policy and Market Adjustments for 2026 to 2035 and therefore did not influence the adjustments.
[20] EB-2020-0091, Section 6.2.3.5.2.1, p.117
[21] **Pipeline and Hazardous Materials Safety Administration. (2002, November 26).** *Notification of the Susceptibility To Premature Brittle-Like Cracking of Older Plastic Pipe*. U.S. Department of Transportation.

monitor the risk. The replacement program will continue to be informed by the data collected and may vary in scope and scale accordingly.

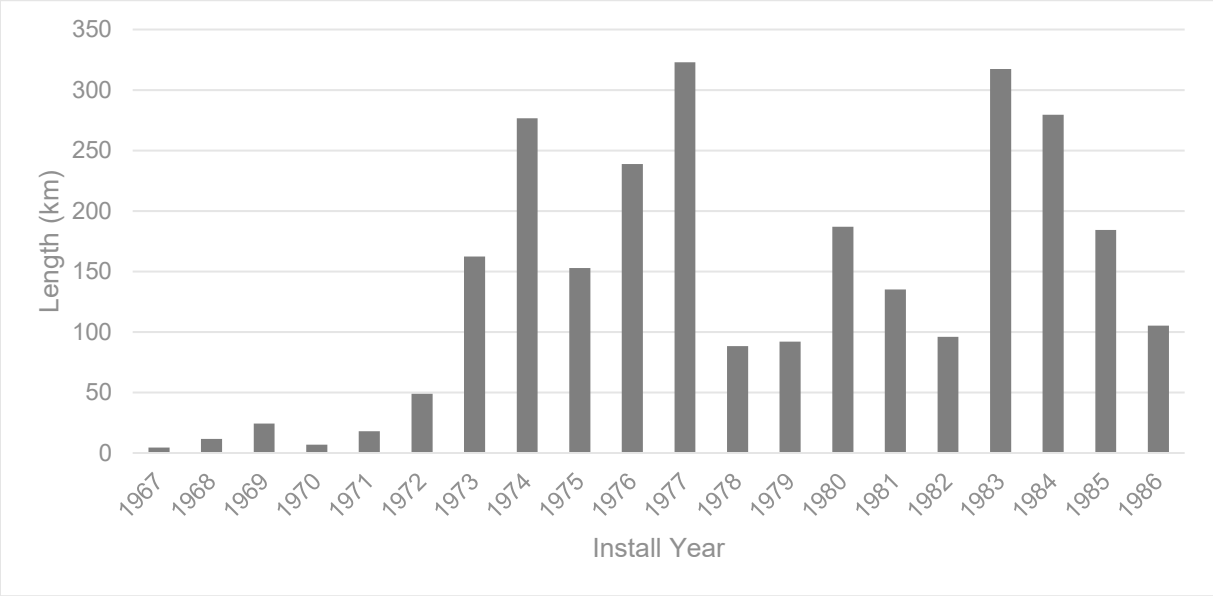

Figure 3.2-1: Enbridge Gas Aldyl A Population

3.2.2 Utilization – Advanced Metering Infrastructure

Enbridge Gas' Advanced Metering Infrastructure (AMI) Proof of Concept (POC) was initiated to assess the feasibility and benefits of AMI technology before full-scale deployment in Ontario. AMI enables two-way communication with gas meters, enhancing safety, operational efficiency, customer engagement, and energy management. The POC involved installing 185 AMI-enabled meters across the Greater Toronto Area (GTA) and has been evaluating their performance, data accuracy, and integration with existing systems. Preliminary results show 100% successful read rates, improved safety through remote shutoff capabilities and strong network performance. The POC project is expected to conclude in Q4 2025 with next steps including evaluating additional testing and collaboration with electric utilities, developing a cost benefit analysis, and reviewing the program risks including the challenge of limited installer capacity. The results and findings will be considered in developing a plan for large-scale AMI implementation.

Implementing an AMI solution at Enbridge Gas offers an opportunity to:

- **Enhance Safety:** Real-time monitoring and automated alerts improve leak detection and emergency response.
- **Drive Operational Efficiencies:** Streamlined meter reading, reduced manual labour, and optimized asset management lower operational costs.
- **Boost Customer Engagement:** Detailed usage data empowers customers with insights and tools to manage their energy consumption more effectively.
- **Enable Energy Management:** Granular data supports demand forecasting, load balancing, and integration of renewable energy sources.
- **Facilitate Integrated Planning:** Data-driven insights enable more accurate infrastructure planning and investment decisions.
- **Deliver Technological and Value-Based Solutions:** AMI lays the foundation for future innovations, such as time-of-use pricing, smart appliances and grid modernization, creating long-term value for both Enbridge Gas and its customers.

As the energy industry accelerates toward digitalization and automation, metering vendors are advancing beyond traditional diaphragm technology by focusing on innovations in meter hardware, network technology, software, and

onboard processing. Of the three residential metering vendors that Enbridge Gas purchases from, one has already discontinued the diaphragm line in favour of ultra-sonic metering with built-in AMI. The other two vendors are also developing or have developed an ultrasonic residential meter, demonstrating the move toward AMI technology. Projections indicate that around 55% of gas meters sold in 2025 will be mechanical meters. Over the next five years, this figure is expected to decline to 25%[22]. Given present trends, it is possible that diaphragm meters may be phased out entirely within the next decade. In this evolving landscape, AMI stands out as the technology to:

- Support next-generation metering capabilities
- Enable real-time data analytics and automation
- Drive operational excellence and customer-centric services
- Ensure long-term scalability and adaptability

3.3 Asset Class Program Developments

3.3.1 Growth – Network 2103 System Reinforcement

To address current and emerging capacity constraints in the North Brampton, Dundalk, and Erin areas, Enbridge Gas is pursuing a long-term solution. Initially, these needs were identified in the 2023–2032 AMP as two separate investments:

- 30500 – NW 2103 Dundalk XHP Reinforcement SRP
- 30501 – NW 2103 Erin XHP Reinforcement SRP

In the 2024 Addendum, a third investment was introduced:

- 31018 – SRP2024_(20) Mississauga Brampton Wanless Dr/Hurontario St Reinforcement

Recognizing the need for a more holistic and efficient approach, Enbridge Gas has since consolidated these initiatives into a single, comprehensive investment 749453 – Network 2103 and classified the above investments as rejected. The new project is currently in the scoping phase, with several potential solutions under evaluation.

3.3.2 Growth – Windsor Line Reinforcement Project

To support growing demand from the greenhouse sector, reinforcement of the Windsor Line, including a new lateral off the Panhandle Transmission system, will be required to support new demand based on the latest expression of interest completed in 2024. The potential project will require major distribution facilities connected to the Panhandle Transmission System and new distribution and customer-related facilities.

3.3.3 Growth – Haldimand-Nanticoke Reinforcement Project

The Haldimand-Nanticoke Reinforcement Project was initiated in response to an Expression of Interest and Reverse Open Season targeting the Haldimand-Nanticoke area, completed in January 2024. The project is designed to create incremental firm capacity to support growing demand from industrial customers in the area. The project requires a rebuild of the Kirkwall Dominion transmission station and upgrades to the customer stations.

3.3.4 Distribution Pipe – EDIMP

The Distribution Steel Pipe asset subclass comprises mains (together with associated services and components) that fall under the Distribution Integrity Management Program (DIMP) and the Enhanced Distribution Integrity Management Program (EDIMP)[23].

Launched in 2024, the EDIMP, a sub-program of DIMP, evaluates the condition of distribution steel pipelines with highest potential risk and criticality compared to the rest of the steel distribution network. The scope for EDIMP steel distribution population is shown in the EDIMP Pipe Criteria in **Table 3.3-1**.

[22] Global Market Insights Inc. (2025). *Smart gas meters market report, 2025–2034*. Global Market Insights Inc.
[23] EB-2020-0091, Section 6.2.3.4, p.102

Table 3.3-1: EDIMP Pipe Criteria

Criteria[24]		Justification
1	20% to 30% SMYS	• US Criteria[25], for transmission pipelines and potential rupture failure
2	Vital Mains	• As defined by Enbridge Gas "pipelines that are critical to the safe and reliable operation of the natural gas system." • Damages to vital mains could result in significant negative impacts to public and worker safety or significant customer outages.
3	MOP ≥ 1,200 kPa (175 psig) and Pipe diameter ≥ NPS 6, and emphasis on vintage steel	• Potential for higher consequence and risk. • General threshold for distribution pipelines and in-line inspection (ILI) tool capacity.

The 2025 to 2026 Inspection program has been developed with input from risk-informed prioritization that identifies pipeline assets of higher potential risk from the EDIMP asset population. Five pipelines within the EDIMP portfolio were selected for in-line inspection in 2024: (1) NPS 12 Wilson Ave., (2) NPS 12 Martin Grove, (3) NPS 10 Sarnia South, (4) NPS 8 Port Stanley and (5) NPS 8 St. Thomas. A quantitative risk assessment (QRA) is being completed for each pipeline that is evaluated against risk criteria to support a determination on whether each pipeline is fit-for-service (FFS) in the long-term. If it is determined that the existing pipelines are not FFS, temporary mitigation efforts will be implemented to bring the risk to as low as reasonably practicable (ALARP) in the short-term while alternatives to return the pipelines to tolerable risk thresholds are evaluated.

3.3.5 Compression Stations – Emission Reductions Program

In March 2022, Environment and Climate Change Canada (ECCC) signaled their intent to amend the existing federal *Regulations Respecting Reduction in the Release of Methane and Certain Volatile Organic Compounds (Upstream Oil and Gas Sector)*[26] with the proposed regulatory framework released in November 2022.

In December 2023, ECCC published the proposed amendments, expanding the scope of the existing methane regulations by introducing a focus on maximizing emission reductions and removing some of the existing exclusions. The amendments seek to further reduce methane emissions through more frequent leak surveys, shorter repair timelines and more stringent venting and flaring requirements.

The amendments are designed to help Canada meet its 2030 target of reducing methane emissions from the oil and gas sector by at least 75% below 2012 levels. However, the final amended regulations have not yet been published.

In 2023, Enbridge Inc. achieved its commitment to reduce its emissions intensity by 35% from the 2018 baseline by 2030 and maintained its progress in 2024 (the latest reporting year). Enbridge Gas continues to work to support the corporate GHG emissions reduction goals through the evaluation and implementation of Scopes 1 and 2 GHG emission reduction opportunities. Effort is taken to ensure the initiatives effectively balance customer preferences, compliance obligations, anticipated future regulations, and other noteworthy benefits, such as safety and operational reliability.

Enbridge Gas is expecting that the new regulations will require incremental work over and above what has already been completed and budgeted to meet internal targets. Current estimates suggest incremental program costs of $64MM but is subject to final scoping and timing once the federal regulations have been released.

[24] The EDIMP is in the development phase and the criteria may be adjusted based on new findings. Note that "pipeline" is defined as a continuous length of pipe more than 1 km.
[25] **Pipeline and Hazardous Materials Safety Administration.** (2025). *49 CFR Part 192 – Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards*. Electronic Code of Federal Regulations. Retrieved from https://www.ecfr.gov/current/title-49/subtitle-B/chapter-I/subchapter-D/part-192.
[26] **Department of Justice Canada. (2025).** Regulations Respecting Reduction in the Release of Methane and Certain Volatile Organic Compounds (Upstream Oil and Gas Sector), SOR/2018-66. Canadian Environmental Protection Act, 1999. Retrieved from https://laws-lois.justice.gc.ca/eng/regulations/SOR-2018-66/.

3.3.6 Real Estate & Workplace Services – Property Upgrade Strategy

Since the filing of the 2025–2034 AMP, some strategic priorities have shifted, prompting the advancement of three investments and capital pacing for Station B, the New London Building, GTA West New Building and Kennedy Road New Building.

3.3.6.1 Station B

To align with capital budget reductions while maintaining service continuity, Station B investment scoping and pacing were reevaluated. This updated approach reduces capital outlays across fiscal years, prioritizing critical path activities and deferring nonessential components where feasible. The strategy ensures compliance with revised funding envelopes while preserving project execution. Station B serves as a model for this approach, balancing fiscal discipline with operational readiness through phased design, procurement, and construction sequencing.

3.3.6.2 New London Building

Originally deferred due to funding limitations the new London building has been given renewed priority. The decision is supported by a planned consolidation of existing facilities in southwestern Ontario. Advancing this project aligns with long-term workforce planning, enables service consolidation, and supports cost efficiency in a strategically significant region.

3.3.6.3 GTA West New Building

Previously postponed due to capital funding outcomes and facility rationalization, this project is now being accelerated in alignment with regional growth and service objectives. The new facility will support the consolidation of services across the legacy Union and Enbridge regions, to enhance service delivery, and reduce long-term operating costs through facility consolidation of the Milton, Burlington and Brampton facilities.

3.3.6.4 Kennedy Road New Building

Previously deferred due to capital constraints, this project has been brought forward in response to continued asset deterioration. Recent condition and functional assessments note the facility is beyond service life and over capacity. Advancing this investment enables timely risk mitigation and ensures continued service delivery in a cost-effective manner.

3.3.7 Technology & Information Services – Application Update

3.3.7.1 Cloud Computing Transition

Enbridge Gas has adopted cloud computing services[27] based on industry standards to reduce outages from infrastructure failures, reduce cyberattack exposure, leverage a scalable core infrastructure, reduce technical debt and improve business reliability as assets reaching end of life create material operational risk for hosted systems. In addition, on-site license models are no longer available within the software industry.

Historically, Enbridge Gas purchased its software licenses and IT infrastructure systems and would capitalize the costs amortizing them over time. In cloud computing, a cloud services user does not own the underlying assets, and the cloud subscription is expensed under the Operations and Maintenance (O&M) budget. The transition to cloud computing services results in higher O&M costs as spending shifts away from capital and multiple vendors are increasing their licensing costs as they transition to cloud computing (Software as a Service) subscription models. O&M cost increases are typically in the 20% to 30% range.

[27] EB-2020-0091, Section 6.2.3.5.2.3, p.119

3.3.7.2 Contract Market Systems – Technology Obsolescence

The Contract Market Systems – Technology Obsolescence Program aims to replace aging technologies that are critical for contract markets, including large volume distribution, direct purchase, storage and transmission, gas procurement, and gas accounting.

The program addresses the risk of using highly customized, aging systems that are 20 to 30 years old, which are becoming unsupported and require replacement to avoid major incidents and compliance issues.

The program is expected to fully go into service in 2027.

3.4 Integrated Resource Planning

In 2021, the OEB released its Decision and Order on Enbridge Gas' IRP proposal, indicating that Enbridge Gas' AMP should include the status of consideration of IRP plans regarding meeting system needs, the result of binary screening and details on the evaluation. Enbridge Gas continues to evaluate investments within the AMP for IRP implementation potential to eliminate, reduce or defer the project scope based on technical and economic feasibility. **Appendix B** (Updated) reflects the current state of this ongoing IRP evaluation process.

Enbridge Gas continues to enhance the IRP assessment process through learnings and experience gained from implementation. As part of this refinement, Enbridge Gas has adjusted the binary screening threshold for Distribution Pipe and Replacement projects to align with the exclusion of ancillary costs in the minimum project cost threshold that would necessitate a Leave to Construct (LTC) application. Ancillary costs, which are typically included in the total project cost, can include cost for service replacement, AMP fittings and station work.

The IRP Framework released July 22, 2021 states, "*If a facility project is being advanced for replacement or relocation of a pipeline and the cost is less than the minimum project cost that would necessitate a LTC approval, then an IRP evaluation is not required,"* where the current LTC cost threshold is $2 MM.[28] Enbridge Gas conducted a detailed review of historical Distribution Pipe project costs and determined with 95% confidence that ancillary costs are at least $100,000 per $2MM distribution pipe project. Therefore, to account for the exclusion of ancillary costs from the minimum project cost threshold of LTC applications, Enbridge Gas has adjusted the binary screening threshold for Distribution Pipe investments to $2.1MM for the total project cost.

This refinement helps to avoid unnecessary technical evaluations on projects that would otherwise fail under the binary screening criteria while ensuring those that meet the criteria move forward for evaluation. All Distribution Pipe investments included in this Addendum have been screened using the updated $2.1 MM threshold.

Projects that have passed the binary screening stage can be categorized as growth or non-growth investments. Enbridge Gas uses this categorization, along with the project's in-service date and forecasted costs to prioritize the Company's IRP evaluations. This categorization and prioritization are informed by the technical and economic evaluations that Enbridge Gas has conducted to date which indicate IRPA implementation is more likely to impact the scope of growth-driven projects. In contrast, non-growth-driven projects are driven by the need to maintain integrity and reliability of existing system assets to serve customers on the network.

The following list highlights the IRP evaluation progress of the 2,795 investments filed in this Addendum. Their evaluation status is as follows

- 334 investments were screened out using initial screening.
- 763 investments were screened out using binary screening.
- 1610 investments were screened out using technical screening.
- 77 investments underwent a complete technical evaluation, including all investments under the Asset Class of Growth and Distribution Pipe.
    - 56 investments did not pass technical evaluation.
    - 21 investments passed technical evaluation.
- 11 investments remaining to undergo technical evaluation or have the evaluation currently in progress as of the time of filing.

[28] On September 24, 2024, the OEB released new Filing Requirements applicable to LTC exemption applications for hydrocarbon line projects that cost between $2MM and $10MM, where the only issue for OEB review on such application relates to the duty to consult (as set out by O. Reg. 328/03, s. 3.0.1). These new exemption requirements are considered a legislative change and therefore do not impact the Binary Screening cost threshold.

- 5 investments under the Asset Class of Transmission Pipe & Underground Storage that have an IRP evaluation stage of “In-Progress.” Due to the broad scope and scale of these investments, supply-side alternatives have a significant potential for technical feasibility but are inherently responsive to market conditions and therefore will be assessed closer to and prior to the forecasted in-service date. The assessment of demand side alternatives is currently in progress. The corresponding IRP evaluation and results will be included in either the LTC application or IRP Plan.
- 3 investments in the EDIMP that have a technical evaluation status of “In Progress” and are awaiting further integrity assessment to confirm project scope and timing. Preliminary technical evaluations have been conducted based on the current scope in the AMP, and the technical evaluations will be updated to include the scope impacts of the Asset Management portfolio from the EDIMP integrity assessment.
- 3 investments under the Asset Class of Growth have an IRP evaluation stage of “In Progress” and are currently being rescoped. IRP evaluation will resume once the revised scope is confirmed.

- Of the 21 investments that have passed the technical evaluation, 20 have undergone an economic evaluation. There is 1 investment under the Asset Class of Growth for the IRP pilot project that is not applicable for economic evaluation.
  - 20 investments that have failed economic evaluation for an IRPA to be an optimal alternative. Contract customer engagement within the area of benefit where applicable will be conducted closer to the forecasted in-service date (ISD). Currently, investments with contract customers in the area of benefit have an ISD of 2028 and beyond.
    - 4 investments under the Asset Class of Growth with an ISD of 2025 and 2026. The facility alternative has been identified as the optimal solution and will be implemented accordingly.
    - 10 investments under the Asset Class of Growth with an ISD of 2028 and beyond. The facility alternative has been identified as the optimal solution, and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm the optimal solution prior to alternative implementation.
    - 6 investments under the Asset Class of Distribution Pipe with an ISD of 2028 and beyond. The facility alternative has been identified as the optimal solution, and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm the optimal solution prior to alternative implementation.

For information on the IRP Pilot Projects and System Pruning pilot, refer to the 2024 IRP Annual Report.[29]

[29] EB-2025-0064 Exhibit I.1.13-ED.4 Attachment 1

4 Appendices

4.1 Appendix A

Table 4.1-1 includes a list of investments with an updated 10-year forecast for projects that are growth driven within the Growth and Transmission Pipe and Underground Storage Asset Classes (i.e., system reinforcements), and a 5-year forecast from 2025 to 2029 for all others.

Table 4.1-1: Investment Greater than $10 Million (includes overheads)[30]

Asset Class	Inv. ID	Investment Name	ISD	2025–2034 Forecast[31]
Existing investment communicated in 2025–2034 AMP – Appendix A				
Growth	742201	20024974 Mississauga Reinforcement Project	2026	19.0
Distribution Pipe	10288 10290 10292 10293 10294 742622 742761	St Laurent. Pipeline Replacement Project	2025 2026	180.7
	11443	NPS 12 Martin Grove Rd Main Replacement: Lavington to St. Albans Rd.	2028	24.9
	100295	Div_04: NPS 8 Port Stanley, London, Replacement	2027	15.5
Distribution Stations	103426	BRAN: 16U-601 Brantford Gate Station, Station Rebuild	2026	14.0
Compression Stations	48715	Dawn C Compression Lifecycle	2029	145.7
	48732	Waubuno Compression Lifecycle - Core	2027	9.0
Transmission Pipe & Underground Storage	48654	Dawn Parkway Expansion Project (Kirkwall-Hamilton NPS 48)	2029	209.5
	100086	Panhandle Line - Risk Mitigation	2028	31.7
	100699	Dawn Parkway Expansion Project (Dawn-Enniskillen NPS 48)	2030	298.3
	735972	Panhandle Growth	2031	151.0
	736923	Panhandle Growth - Leamington Interconnect	2034	86.1
	740055	Panhandle Regional Expansion Project - Dawn Facilities	2025	47.2
Real Estate & Workplace Services	8701	Kelfield Operations Centre - Land Purchase	2029	26.0
	101136	New London Operations Hub	2028	72.1

[30] Costs are expressed in millions of Canadian dollars. For additional information on Appendix A investments, refer to **Appendix B** (Updated).
[31] 1.1.

Asset Class	Inv. ID	Investment Name	ISD	2025–2034 Forecast[31]
	737754	Thorold Operations Centre - New Building	2027	27.1
	739715	GTA West - New Build - Halton Hills	2028	37.5
	3640	Station B New Building	2025	26.3
Technology & Information Services	102364	Records Management Upgrade (2024 – 2027) - GIS Replacement	2027	11.8
	736942	Contract Market Systems - Technology Obsolescence	2027	70.4
New Investment add to 2025 -2034 AMP – Appendix A				
Growth	742200	Windsor Line Reinforcement Project	2029	38.2
	745685	57-24-605 Haldimand-Nanticoke Reinforcement Project	2027	43.0
	749453	Network 2103	2028	51.2
	31020	SRP2024_(40)Whitby_Lindsay_Hwy 35_Reinforcement_NPS8_4000m_2758kPa	2032	17.2
Transmission Pipe & Underground Storage	748157	Sarnia Transmission Reinforcement	2029	126.8
Real Estate & Workplace Services	737272	Kennedy Road New Build	2029	39.3
Technology & Information Services	748834	Contract Market Harmonization - Rebasing Decision	2027	23.0
Removed Investment from 2025 -2034 AMP – Appendix A				
Growth	30500	SRP2024_(20)Mississauga_Shelburne_Blind Line_Reinforcement_NPS10_15700m_XHP_&_3730 322_Upgrade	2026*	-
	31018	SRP2024_(20)Mississauga_Brampton_Wanless Dr/Hurontario St_Reinforcement_NPS8_9900m_XHP_&_20327A_ Upgrade	2027*	-
	30501	SRP2024_(20)Missisauga_Erin_Charleston Sideroad _Reinforcement_NPS8_7000m_XHP_&_21100A_Up grade	2026*	-
	736259	Hamilton Reinforcement Project	2028*	-
	30542	SRP2024_(07)Brantford/Waterloo_Owen Sound_County Rd 40_Reinforcement_NPS12_11800m_4670kPa	2031*	-
	31019	SRP2024_(07)Brantford/Waterloo_Listowel_Highway 23_Reinforcement_NPS6_7500m_1900kPa	2030*	-
Compression Stations	48709	Hagar KVGR and Cycle Mix Cooler	2040	-

* In-service date (ISD) is from 2025–2034 AMP.

4.2 Appendix B (Updated)

Region	Operating Area (EGI)	Asset Class	Binary Screening (Pass/ Fail)	Cause of Binary Screening Fail	Investment Code	Investment Name	In Service Date	2025-2034 Forecast (Includes overhead allocation)	Investment Description - Binary Screening - Pass	Technical Screening (Pass/Fail)	Cause of Technical Screening Fail	Technical Evaluation Completion Status	Technical Evaluation Results	Technical Evaluation Comments	Economic Evaluation Completion Status	Economic Evaluation Results	Economic Evaluation Comments	IRP Plan Completion Status	IRP Plan - Results	IRP Plan - IRPAs Considered
GTA West	20 - Mississauga	Growth	Pass		749453	Network 2103	2028	$ 51,156,443	This project is a reinforcement required to allow for the expected growth on Network 2103. Currently there are 3 investment codes in CS5. These will be cancelled and the dollars will be moved under this project. This investment is for the long-term solution for Network 2103. Once the project is rescoped by DOE the dollars will be adjusted to reflect the rescope. Currently 3 investment codes: - 30500 (Dundalk XHP Reinforcement) - 30501 (Mississauga_Erin_Charleston Sideroad) - 31018 (Mississauga_Brampton_Wanless Dr/Hurontario)	Pass		In Progress		Project is currently being rescoped and IRP Evaluation will resume once the revised scope is confirmed.						
GTA East	40 - Whitby	Growth	Pass		31020	SRP2024_(40)Whitby_Lindsay_HWY 35 & Loglie_Reinforcement_NPS8_835Dm_2760kPa_&_New STN	2032	$ 17,200,131	Approximately 8 km of NPS 8 ST XHP along Hwy 35 (replacing existing NPS 4 XHP) is required to maintain pressures above minimum system pressure at the inlet to station 13294123 (Logie & Riverview District). Highlighted main is the proposed reinforcement. Future reinforcement including extending this reinforcement on Hwy 35 and downstream reinforcement on Logie St to station 13294123 may be required after 2033 to support future growth in Lindsay. based on growth data provided by the region.	Pass		In Progress		Project is currently being rescoped and IRP Evaluation will resume once the revised scope is confirmed.						
Waterloo	Div_07 - Waterloo	Growth	Pass		746218	SRP2024_(07)BrantfordWaterloo_Breslau_Hwy 7_Reinforcement_NPS6_1100m_1900kPa & 19T-601R_Upgrade	2028	$ 2,344,702	Issue/Concern/Opportunity: SRP Breslau Highway 7 System Reinforcement - Per Distribution Optimization Engineering (DOE) System Reinforcement Plan (SRP) Asset: Loop existing NPS 4 ST 1900kPa MOP main with 1432m NPS 6 ST 1900kPa MOP main along MTO Highway 7 Victoria Rd. N. westerly towards Breslau tying into NPS 4 ST 1900kPa MOP main. Looping will start west of Shantz Station Rd as MTO will not permit a third gas main in the Highway ROW. Complete looping thru Shamtz Station Rd intersection in future as part of the NEW MTO Hwy 7 design. Related Program: N/A	Pass		In Progress		Project is currently being rescoped and IRP Evaluation will resume once the revised scope is confirmed.						
London	Div_04 - London	Growth	Pass		30556	SRP2024_(04)London/Sarnia_London_13O-402_Upgrade	2029	$ 1,920,010	Westmount station is flowing over capacity, currently without System Reinforcement Plan (SRP) growth. Station capacity is limited by filter, regulator runs and inlet pipe size. Full rebuild required to increase station capacity beyond existing. Heater replaced by investment 745885 in 2024 to be re-used in this rebuilt station (installed heater is adequately sized for future growth). Integrity concerns due to corrosion features found during FIMP inspection would be remediated as part of this rebuild as well. Proposed rebuild would brine station us to current desien standards with the addition of SCADA loressure. temperature and flowi measurement.	Pass		Completed	Pass	CNG, ETEE - Potentially could defer project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.		
GTA West	50 - Barrie	Growth	Pass		31021	SRP2024_(50)Barrie_Innisfil_Webster Rd_Reinforcement_NPS6_1100m_310kPa_&_New STN	2028	$ 1,774,390	New station and distribution pipe to connect to existing system to support downstream growth 1st Preferred Design to accommodate Regional Growth New Station at S/E corner of Innisfil Beach Rd & Webster Blvd. 1100m NPS 6 PE Pipe from New Station Outlet to Quarry & Webster	Pass		Completed	Pass	CNG, ETEE - CNG potentially could defer project scope, ETEE potentially could reduce or defer project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.		
Eastern	60 - Ottawa	Growth	Pass		746832	SRP2024_(60)Ottawa_Almonte_Ottawa St_Reinforcement_NPS6&4_1250m_207kPa	2028	$ 1,763,039	Issue/Concern/Opportunity: Reinforcement is required to alleviate downstream pressure issues which drop the system below 70kPa MSP. Main looping required to maintain pressures downstream	Pass		Completed	Pass	CNG, ETEE - CNG potentially could defer project scope, ETEE potentially could reduce or defer project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.		
Eastern	Div_22 - Kingston	Growth	Pass		750186	SRP2024_(22)Eastern_Picton_Johnson St_Reinforcement_NPS6_1100m_1725kPa	2032	$ 1,540,109	Main reinforcement from Picton DRS to intersection of Johnson St and Picton Main St to maintain system pressures due to growth Assets: 1,100m of NPS 6 ST	Pass		Completed	Pass	CNG - Potentially could defer project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.		
GTA East	40 - Whitby	Growth	Pass		747083	SRP2024_(40)Whitby_Kawartha Lakes_Emily Park Rd_Reinforcement_NPS6_1050m_2760kPa	2029	$ 1,437,787	Issue/Concern/Opportunity: Main reinforcement south of Emily Park Rd and Hwy 7 Justification: ~1050m of 6" ST XHP reinforcement required to maintain min inlet pressure going into Bobcaygeon. Reinforcement to tie into the end of the Bobcaygeon reinforcement as shown in diagram. Assets: 400m of 6" ST XHP Related Investments:	Pass		Completed	Pass	CNG, ETEE - CNG potentially could defer project scope, ETEE potentially could reduce project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.		
Eastern	60 - Ottawa	Growth	Pass		31008	SRP2024_(60)Ottawa_Rockland_Poupart Rd_Reinforcement_NPS6_1650m_380kPa	2026	$ 1,330,937	System below 20 psi minimum. Route proposed will establish trunk main for proposed subdivision, and improve pressures further downstream in Rockland IP network. Main looping from the outlet of 3593071 SHEA RD & PERTH ST Station to the existing looped NPS 4 Phase 3 Reinforcement will involve looping installation of NPS 6 PE main along Poupart Rd.	Pass		Completed	Pass	CNG, ETEE - CNG potentially could defer project scope, ETEE potentially could reduce project scope.	Completed	Fail	Facility alternative is the optimal solution and will be implemented accordingly.		
Eastern	60 - Ottawa	Growth	Pass		31028	SRP2024_(60)Ottawa_Barrhaven_Greenbanke Rd_Reinforcement_NPS6&4_870m_3454Pa_&_New STN	2031	$ 1,268,722	Station modification and pipe reinforcement required to maintain system pressures due to growth New distribution station and main connection to tie into the existing system and looping required for low downstream pressures below 140kPa MSP. New station is required in 2030 to offset low pressures due to growth. Main reinforcement timing and scope is likely to be influenced by natural growth in region and may offset need for SRP piping reinforcements if customer driven reinforcement is required.	Pass		Completed	Pass	CNG, ETEE - CNG potentially could defer project scope, ETEE potentially could reduce project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.		
Niagara	80 - Niagara	Growth	Pass		31033	SRP2024_(80)Niagara_Niagara Falls_Reixinger Rd_Reinforcement_NPS6_1050m_241kPa	2028	$ 514,306	Pipe reinforcement required to maintain system pressures due to growth 1050m of NPS 6 PE - IP from the existing NPS 6 at the intersection of Stanley Ave and Reixinger Rd running east along Reixinger Rd then north along Crt Rd, tying into the existing NPS 4 main on Crt Rd.	Pass		Completed	Pass	CNG, ETEE - CNG potentially could defer project scope, ETEE potentially could reduce or defer project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.		
Eastern	60 - Ottawa	Growth	Pass		31024	SRP2024_(60)Ottawa_Richmond_Shea Rd & Perth St_Reinforcement_NPS6_150m_380kPa	2030	$ 374,702	Pipe reinforcement required to maintain system pressures due to growth Looping from station outlet required to account for pressures dropping below MSP on West side of town	Pass		Completed	Pass	CNG, ETEE - CNG potentially could defer project scope, ETEE potentially could reduce or defer project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.		
Waterloo	Div_07 - Waterloo	Growth	Pass		30541	SRP2024_(07)Brantford/Waterloo_Listowel_Livingstone Ave S_Reinforcement_NPS6_400m_420kPa	2033	$ 344,653	Project required to maintain pressures on the south side of the Listowel IP system. 21Q-103R station is at capacity and biased down to limit the flow through the station. It is also biased down to limit the flow on the upstream system (Listowel Lateral). Review for increased flow. No main reinforcement component is required for this scope. This project would be an alternative to main reinforcement within Listowel on Livinfstone Ave S	Pass		Completed	Pass	CNG, ETEE - CNG potentially could defer project scope, ETEE potentially could eliminate, reduce or defer project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.		
Chatham	Div_02 - Chatham	Growth	Pass		750184	SRP2024_(02)Windsor/Chatham_Amherstburg_New STN	2028	$ 82,934	Install a new station off of the Sandwhich Line. This is an alternative to installing new main on Howard Ave to Concession Rd 7. No main reinforcement component is required for this scope	Pass		Completed	Pass	CNG, ETEE - Potentially could defer project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.		
GTA West	50 - Barrie	Growth	Pass		30503	SRP2024_(50)Barrie_Midhurst_Finlay Mill Rd_Reinforcement_NPS4_350m_345kPa	2025	$ 505,544	NW 5346 Midhurst Reinforcement SRP Issue/Concern/Opportunity: Total of 300m NPS 4 and 50m NPS 2 is required to increase security of supply for Midhurst, and maintain 140 kPa as Minimum System Pressure in this Maximum Operating Pressure (MOP) 345 kPa system. Assets: Pipe Related Program: Not applicable	Pass		Completed	Pass	CNG - Potentially could defer project scope.	Completed	Fail	Facility alternative is the optimal solution and will be implemented accordingly.		
Eastern	60 - Ottawa	Growth	Pass		31002	SRP2024_(60)Carp_MOP Upgrade_NW6466	2025	$ 25,090	System pressure increase required to maintain system pressures due to growth Pressures below 20 psi minimum Existing station to check issues with pressure increase. 556 kPa is modeled pressure - min system P on inlet is 485kPa	Pass		Completed	Pass	CNG - Potentially could defer project scope.	Completed	Fail	Facility alternative is the optimal solution and will be implemented accordingly.		
Eastern	60 - Ottawa	Growth	Pass		736759	SRP2024_(60)Ottawa_Russell_MOP Upgrade_NW6426	2025	$ 17,505	Issue/Concern/Opportunity: Reinforcement involves an in-class pressure increase from 45 psi to 55 psi to resolve operational issues and pressure lowpoints on the network below the 20 psig minimum system pressure and to support growth. All pipes installed after 1994. The two adjacent networks are not currently connected, and a future reinforcement will connect them. Eastern network contains ~42 km PE IP to be increased. Western network contains ~5.8 km PE IP to be increased. Station flows are 2022 and 2032 from previous project timing. The network is single-fed exclusively by Metcalfe Gate Station Assets: -Increase pressures at existing district stations on the intersection of Old Towne Ave. and Craig St. (Station ID 3180568) -Increase pressures at existing district station on the intersection of Castor St. and Warner St. (Station ID: 526844) -160 m of NPS 2 PE IP pipe on Craig St from Olde Towne Ave to Forced Rd Related Investments: Not applicable test	Pass		Completed	Pass	CNG - Potentially could defer project scope.	Completed	Fail	Facility alternative is the optimal solution and will be implemented accordingly.		
London	Div_04 - London	Growth	Pass		30560	SRP_Southwest_Sarnia_New STN & Reinforcement_NPS6_1600m_420kPa [IRP Pilot for 743910]	2025	$ 280,305	A new distribution station off of the existing 1,210 kPa system and a main extension to tie into the 420 kPa system north of Samia along the water is required. This project has been selected as one of the IRP Pilots. Refer to Facility Project Code: 743910	Pass		Completed	Pass	CNG - Potentially could defer project scope.	N/A - Pilot Project	N/A - Pilot Project	N/A - Pilot Project			
GTA West	20 - Mississauga	Growth	Pass		742778	CNG Injection - Area 20 - Solmar Erin IT Subdivision	2025	$ 720,864	Issue/Concern/Opportunity: Network 2103 is experiencing low gas availability issue; it has insufficient supplies to handle more than 10 new customers through wintertime without CNG. We need to start looking for the CNG site as soon as we can because our customer requested 250 new homes for gas by winter 2024. Justification: The CNG investment works as an intern solution before the reinforcement along Charleston Sideroad/Wellington Rd 124 from Hurontario St (Investment 30501) is completed. However, as of now, DOE still hasn't had a timeline or budget to carry out this plan yet. I am working closely with DOE now and try to get a brief idea how much and how long CNG are we going to need to provide service to our customers in the Solmar Subdivision and I will fill you up with more information as soon as I hear anything from them. Assets: Related Investments:	Fail	See investment description, IRPAs not applicable for CNG										

Waterloo Area 07 UGL	Div_07 - Waterloo	Growth	Pass		49794	SRP2024_(07)Brantford/Waterloo_Listowel_CNG	2026	$	373,159	Scope of work: Utilize CNG to feed into the 1900 kPa MOP system. We would be maintaining ~700 kPa outlet pressure to maintain 485 kPa into Atwood gate downstream. Will utilize 2 year TLU with temp fencing and civil work to ensure land is adequate for CNG trailers	Fail	See investment description, IRPAs not applicable for CNG											
Waterloo Area 07 UGL	Div_07 - Waterloo	Growth	Pass		745666	WATE - Atwood CNG System Reinforcement	2024	$	1,321	Issue/Concern/Opportunity: Atwood CNG System Reinforcement - Per Distribution Optimization Engineering (DOE) Atwood system requires reinforcement prior to winter 2024/2025. CNG site to operate until long term reinforcement option is confirmed and budgeted. Asset: Installation 130m of NPS 4 PE 420 kPa MOP reinforcement main and 15.0m NPS 2 PE service feeding new CNG site. Related Program: N/A	Fail	See investment description, IRPAs not applicable for CNG											
Hamilton Area 16 UGL	Div_16 - Hamilton	Growth	Pass		739185	SRP2024_(16)Hamilton_Caledonia_Argyle St N_Reinforcement_NPS6&4_1020&185m_420&345 0kPa_&_14X-104_Upgrade	2025	$	189,038	A 6" PE back feed of the Caledonia North system must be installed as there will not be enough capacity for future phases of north Caledonia development and will hinder capacity in the existing subdivision to the Southeast. This will require tying into the High Pressure system with a Distribution Station that will require land purchase. DOE advises this must be executed by the end of 2023 as the system would be under minimum pressures in the winter of 2023/24 without the reinforcement.	Fail	N/A - Project Completed											
Northwester n Area 33 UGL	Div_33 - Thunder Bay	Growth	Pass		739934	33-23-504 TBAY - Red Lake Lateral - MOP Upgrade	2025	$	43,234	Issue/Concern/Opportunity: Ongoing work for the MOP Upgrade on the Bruce Lake / Red Lake Lateral Justification: The ongoing work is required to address capacity constraints on the system and to ensure contractual obligations can be met. Assets: Bruce Lake Lateral - 175.0km - NPS8 Related Investments:	Fail	N/A - Project Completed											
Hamilton Are 16 UGL	Div_16 - Hamilton	Growth	Pass		739262	HAMI: Ancaster Gate Modifications	2023	$	24,671	Build station to a higher capacity. Existing station is limited to 7556 m3/h by the filter. Filter is undersized for the future flow of 11,000 m3/h and needs to be replaced. Proposed modifications include a new filter, atmospheric tank and associated piping. Land restoration work for temporary land use will be carried out in 2024.	Fail	N/A - Project Completed											
Northwester n Area 45 UGL	Div_45 - Timmins	Growth	Pass		103278	TIMM: 45-21-302 Kirkland Lake Customer - Shaft 4	2024	$	16,684	Customer in Kirkland Lake is requesting additional load. Stations engineering has identified approximate standard design for the new shaft #4 SMS: 9.5 211 HP. Take-off from inlet of Chaput Hughes TBS (42501005). Assets: Station ID 12500031 (Shaft #4 SMS) Station ID 42501005 (Chaput Hughes TBS) Related Investments: CSS investment #103275 pertains to the new SMS at Shaft #3	Fail	N/A - Project Completed											
Northeaster n Area 46 UGL	Div_46 - North Bay & Orillia	Growth	Pass		101565	NBAY: Upgrade Callander TBS (43005001)	2022	$	14,576	Issue/Concern/Opportunity: Station unable to provide high enough outlet pressure Justification: Growth will cause downstream pressure to go below minimum requirements Assets: Stn 43005001 Related Investments: N/A	Fail	N/A - Project Completed											
Toronto Area 10 EGD	10 - Toronto	Growth	Pass		501723	A10: Bayview Ridge, Toronto, Reinforcement	2021	$	11,670	Issue/Concern/Opportunity: Gas usage has growth dramatically in the area due to redevelopment of new houses and the existing piping is not sufficient to meet the demand. Reinforcement in this area is needed to meet the new demand. Justification: Assets: Installation of 500 m of a new 4" PE IP on Bayview Ridge from node 63 to middle of nose 65 & 66 Related Investments:	Fail	N/A - Project Completed											
GTA West Area 50 EGD	50 - Barrie	Growth	Pass		500705	SRP2024_(50)Barrie_Creemore/Collingwood_MOP Upgrade	2024	$	11,341	Issue/Concern/Opportunity: Pressure issue is at the west tail end of network 5301. The long-range planning forecast shows by 2024 that the pressure will drop below 100 psig. Recently, a few customer load addition requests have been denied based on a diminished pressure and capacity constraint. Currently, the Maximum Operating Pressure in Network 5301 is 400 psig and this pressure elevation is looking to increase it to 500 psig. •With this pressure elevation, current new customers can be accommodated quickly. •With this pressure elevation, County Rd. 9 reinforcement can be deferred to 10 years later. •Preparation for next steps can happen to harmonize Barrie to Collingwood line with Rugby XHP system, by pressure increase on Rugby Gate Station, from 480 psig to 500 psig and removing Rugby Kicker Station. •By harmonizing these two systems, Penetanguishine Reinforcement project (BC#7723) can be deferred to 10 years later. Assets: All pipe and stations on Network 5301 will be assessed if any reinforcements need to be made. Related Program: Not applicable.	Fail	N/A - Project Completed											
Head Office/All	00 - Head Office	Growth	Pass		736975	Enbridge Gas Distribution System Hydrogen Feasibility Study	2026	$	7,957,324	Comprehensive techno-economic feasibility study of blending hydrogen into Enbridge Gas Inc.'s (EGI) existing natural gas distribution and transmission network across Ontario. Evaluate the technical feasibility and maximum limits of blended hydrogen gas in existing networks,identify necessary retrofits or upgrades for varying concentrations of hydrogen, and develop a staged roadmap for transitioning Ontario's gas network to a low-carbon future in line with technical and economic barriers and opportunities. The assessment comprises the entirety of EGI's gas pipeline network in Ontario. By blending hydrogen at strategic locations across EGI's existing gas network, EGI aims to reduce the carbon intensity of its 3.8 million residential, commercial, institutional and industrial customers across over 500 communities in Ontario.	Fail	Hydrogen related projects are required as no IRPAs can replace the hydrogen feasibility assessments and hydrogen blending initiatives.											
Hamilton Area 16 UGL	Div_16 - Hamilton	Growth	Fail	Economic Development	739267	SRP2024_(16)Hamilton_Caledonia_15X-401_Upgrade	2025	$	7,471,639														
Hamilton Are 16 UGL	Div_16 - Hamilton	Growth	Fail	Economic Development	735962	HAMI: Dickenson Rd Airport Expansion Project, Mount Hope, Growth	2025	$	332,946														
Hamilton Are 16 UGL	Div_16 - Hamilton	Growth	Fail	Customer Specific Builds	745685	57-24-605 Haldimand-Nanticoke Reinforcement Project	2027	$	43,020,040														
Windsor Area 02 UGL	Div_01 - Windsor	Growth	Fail	Customer Specific Builds	742200	Windsor Line Reinforcement Project	2028	$	38,168,513														
GTA West Area 20 EGD	20 - Mississauga	Growth	Fail	Customer Specific Builds	742201	20024974 Mississauga Reinforcement Project	2026	$	18,966,065														
Niagara Area 80 EGD	80 - Niagara	Growth	Fail	Customer Specific Builds	745844	Port Colborne Reinforcement	2026	$	9,684,883														
Windsor Area 02 UGL	Div_01 - Windsor	Growth	Fail	Customer Specific Builds	745610	East Windsor Customer Station Expansion	2025	$	8,386,735														
Eastern Area 22 UGL	Div_22 - Kingston	Growth	Fail	Customer Specific Builds	746508	Napanee Customer Station Expansion	2026	$	7,354,854														
Chatham Area 02 UGL	Div_02 - Chatham	Growth	Fail	Customer Specific Builds	749446	Tilbury East Reinforcement Project	2028	$	784,855														
Northwester n Area 45 UGL	Div_45 - Timmins	Growth	Fail	Customer Specific Builds	739611	TIMM: 45-23-702 Customer New Kiln	2025	$	707,020														
Northwester n Area 45 UGL	Div_45 - Timmins	Growth	Fail	Timing	103275	TIMM: 45-21-300 Kirkland Lake Customer - Shaft 3	2022	$	11,683														
Northwester n Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Pass		30151	Marks St S-Thunder Bay-1537	2030	$	4,098,066	Marks St. S. - Thunder Bay - 1537 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass		Completed	Pass	ETEE - Potentially could reduce project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.
Northwester n Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Pass		30136	Arthur St W -Thunder Bay-1496	2028	$	3,125,615	Arthur St. W. - Thunder Bay - 1496 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: There is a fault associated with the area.	Pass		Completed	Pass	ETEE - Potentially could reduce project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Pass		30256	Div. 06 - Brantford - Toll Gate Rd - VSM - Southeast - Waterloo - 1314	2029	$	2,647,131	Div. 06 - Brantford - Toll Gate Rd. - Southeast - Waterloo - 1314 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: Piping on Hill Ave. from Charing Cross to Wood St. was replaced with NPS 2 PE in 2021 as part of 06-21-609 Hill Ave. (Charing Cross to Wood St.) replacement project. The City of Brantford is restoring Hill Ave., Wood St. and Charing Cross. Pipe on Hill Ave. from Charing Cross to Wood St. was replaced in 2021. This project was updated to reflect a moratorium until 2026.	Pass		Completed	Pass	ETEE - Potentially could reduce project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Pass		30248	Div. 06 - Brantford - Greenwich St - VSM - Southeast Waterloo - 1332	2030	$	2,590,917	Div. 06 - Brantford - Greenwich St - Southeast - Waterloo - 1332 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass		Completed	Pass	ETEE - Potentially could reduce project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Pass		30245	Div. 06 - Brantford - Ewing Dr - VSM - Southeast - Waterloo - 1316	2029	$	2,460,125	Div. 06 - Brantford - Ewing Dr. - Southeast - Waterloo - 1316 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass		Completed	Pass	ETEE - Potentially could reduce project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Pass		30238	Div. 06 - Brantford - Balmoral Dr - VSM - Southeast - Waterloo - 1291	2030	$	2,241,107	Div. 06 - Brantford - Balmoral Dr. - Southeast - Waterloo - 1291 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: Station 11T-440 may need to be rebuilt as part of the project.	Pass		Completed	Pass	ETEE - Potentially could reduce project scope.	Completed	Fail	Facility alternative is the optimal solution and the project scope will be monitored. Annual review of the facility and IRP alternatives will be conducted to confirm optimal solution prior to alternative implementation.

Toronto Area 10 EGD	**10 - Toronto**	Distribution Pipe	**Pass**	**100339**	A10: Wilson Avenue, Toronto, VSM Replacement	**2030**	$	85,170,044	Issue/Concern/Opportunity: Phased replacement of NPS 12 gas main from Bathurst Ave. to Walsh Ave. Main is currently protected by Rectifier. - The main on Wilson Ave. has numerous Pumpkins that have been installed on it. Starting from Wendell Ave. and going east towards Bathurst St. - Corrosion on main has been an issue on Wilson Ave. due to stray current from Toronto Transit Commission (TTC) which continues to be an ongoing concern. - The service connections have field-applied coatings which leaves a concern for future corrosion issues on this main. - Regarding the main in the middle of the road on Wilson Ave., Curbside Valve Tee (CVT) repairs are problematic due to the location of the main. Assets: There is 8.5 km of NPS 12 HP Vintage Steel Main (VSM) installed between 1955 and 1964 on Wilson Ave. between Walsh Ave. and Bathurst St., Toronto. Related Program: N/A	Pass	In Progress		Technical Evaluation awaiting further integrity assessment to confirm project scope and timing.	
Toronto Area 10 EGD	**10 - Toronto**	Distribution Pipe	**Pass**	**11443**	NPS 12 Martin Grove Rd Main Replacement: Lavington to St. Albans Rd.	**2028**	$	24,864,995	Issue/Concern: General Concerns: Vintage steel mains have shown signs of declining health due to the cumulative effects of poorly manufactured coatings, construction practices, latent third-party damages to pipe coatings, and the effect of stray currents from transit infrastructure (such as the subway and streetcars). The current failure projection model forecasts an exponential increase in the number of corrosion-related failures. The CSS value framework and the 40-year risk projection show an aggressive increase in the safety risk associated with steel main failures. In addition to age, vintage steel mains are also susceptible to accelerated degradation and/or higher risk of third-party damage in the following ways: •Compression couplings •Shallow blow-off valve assemblies that could be damaged during excavation activities •Reduction in the original depth of cover •Continuous exposure to road salt and seasonal ground movement on bridge-crossing assets •Lack of cathodic protection on pipe casings that could result in corrosion and could lead to the loss of containment •Manufacturing defects associated with seam welds and fittings that could result in a loss of containment due to prolonged stress and corrosion •Latent damages to pipe coatings that were never reported to EGI for repair and became active corrosion sites, resulting in accelerated corrosion and potential loss of containment. Site-Specific Concerns: Martin Grove to St. Albans Road: Address NPS 12 pipe from Lavington Drive South to Burnhamthorpe Road, then west to Ashbourne Drive, then following Auckland Road south to St. Albans Road. There are over 360 service connections that will be removed from the high-pressure (HP) steel main and an intermediate pressure (IP) polyethylene (PE) subsystem installed to reconnect these customers. Depth of cover (DOC) has been identified as a significant concern for these main segments as identified by 2018 and 2019 DOC surveys that found over 52% of the survey locations had DOC less than 90 cm, with 77 survey locations measuring less than 60 cm of cover. Poor DOC can lead to increased third-party damages. Additional risk factors include two unrestrained compression couplings (CCs), nine restrained CCs, and three suspect valves where, due to their installation dates, may have been tied in using unrestrained CCs (as discovered by an Integrity Assessment showing significant correlation between valves of this vintage with unrestrained CC tie-ins). Cathodic protection history for the past 20 years shows that over 15% of the readings taken each year were below the minimum requirements. Poor cathodic protection levels can lead to corrosion.	Pass	In Progress		Technical Evaluation awaiting further integrity assessment to confirm project scope and timing.	
London Area 04 UGL	**Div_04 - London**	Distribution Pipe	**Pass**	**100295**	Div_04: NPS 8 Port Stanley, London, Replacement	**2027**	$	15,500,877	Issue/Concern/Opportunity: The NPS 8 Port Stanley line is approximately 20 km of NPS 8 built in 1959, with unknown grade and wall thickness, bare and protected, and Dresser construction (some gas welded – such welds are usually susceptible to lack of fusion imperfections). There has been a history of a significant number of leaks due to corrosion on this single-feed system that provides natural gas to Port Stanley and St. Thomas, with about 13,000 customers including the St. Thomas hospital, a psychiatric hospital in St. Thomas and a retirement home in Port Stanley. External corrosion has created difficulties with repairs due to the inability to weld. In one repair case, it took Operations three weeks to locate a suitable weld location for a repair. Repairs often require the use of split sleeves. Depth of cover is a significant risk factor, with two exposed pipe sections being reported over creek crossings in December 2019. There are significant accessibility issues with locations of the pipe, making it difficult for emergency response and condition surveys. Some sections of pipe are heavily overgrown while other locations can be over 500 m from the nearest road. There are three below-grade stations that are considered confined spaces and which often flood, and must be evacuated before inspections and maintenance can occur. Gas supply from Lake Erie (New Dundee Comp) was known to have high moisture content and may contribute to internal corrosion. No isolation is built into the single feed system; so if supply needs to be shut down, all downstream customers would be affected. In 2000, 6.8 km of main were replaced due to corrosion and exposed pipe. In 2003, 230 meters were replaced due to a Class B leak under a river crossing. Three casings on the system are known to be shorted. An attempted pressure increase in 1970 resulted in numerous leaks from compression couplings and pipe; therefore, the pipe cannot be pressure-elevated. Assets: Port Stanley line is approximately 20 km of NPS 8 built in 1959. Related Programs: Not applicable.	Pass	In Progress		Technical Evaluation awaiting further integrity assessment to confirm project scope and timing.	
Toronto Area 10 EGD	**10 - Toronto**	Distribution Pipe	**Pass**	**735830**	TOR10YR - Birchmount South Sheppard Replacement - Network # 455	**2029**	$	2,868,726	TOR10YR - Birchmount South Sheppard Replacement - Network #455 Intermediate Pressure (IP) system is running close to capacity and not meeting growth needs. Plans to elevate pressure to 55 PSI system from 25 PSI requires upgrades and replacement of some mains and services. Scope: Replace and upgrade gas mains and services with 900 m NPS 8 PE (like for like), 17 service relays, 3 service reconnects, 100 m NPS 1.25 header, and compression coupling (CC) removals. Resources: NPL to execute. Solution Impact: Gas plant replacements are to meet pressure elevation requirements in system to meet growth requirements. Project Timing: To be determined.	Pass	Completed	Fail	IRPAs unable to defer, reduce or eliminate project scope.	
GTA East Area 30 EGD	**30 - Richmond Hill**	Distribution Pipe	**Pass**	**30167**	Elgin Mills Rd E - GTA East - Area 30 - 1351	**2030**	$	5,712,760	Elgin Mills Rd. E. - GTA East - Area 30 - 1351 Vintage steel pipes exhibit increased failures as they age, as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
Eastern Area 60 EGD	**60 - Ottawa**	Distribution Pipe	**Pass**	**30356**	Havelock St. - Eastern - Area 60 - 1215	**2029**	$	4,740,327	Havelock St. - Eastern - Area 60 - 1215 Vintage steel pipes exhibit increased failures as they age, as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
London Area 04 UGL	**Div_04 - London**	Distribution Pipe	**Pass**	**30286**	Dearness Dr - Southwest - London - 1396	**2030**	$	3,872,442	Note: includes bare protected pipe per region. Priority project. Dearness Dr - Southwest - London - 1396Vintage steel exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (Vintage Steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
Toronto Area 10 EGD	**10 - Toronto**	Distribution Pipe	**Pass**	**735854**	TOR10YR - Fenside and Lynedock Replacement - Network # 455	**2030**	$	3,820,359	TOR10YR - Fenside and Lynedock Replacement - Network #455 Intermediate Pressure (IP) system is running close to capacity and not meeting growth needs. Plans to elevate pressure to 55 PSI system from 25 PSI requires upgrades and replacement of some mains and services. Scope: Replace and upgrade gas mains and services with 150 m NPS 6 PE, 400 m NPS 4 PE, 2,700 m NPS 2 PE (like for like), 301 service relays, 46 service reconnects, and compression coupling (CC) removals. Resources: NPL to execute. Solution Impact: Gas plant replacements are to meet pressure elevation requirements in system to meet growth requirements. Permit – Creek Crossing	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
GTA East Area 30 EGD	**30 - Richmond Hill**	Distribution Pipe	**Pass**	**30163**	Axminster Dr - GTA East - Area 30 - 1842	**2027**	$	3,719,585	Axminster Dr. - GTA East - Area 30 - 1490 Vintage steel pipes exhibit increased failures as they age, as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
GTA East Area 30 EGD	**30 - Richmond Hill**	Distribution Pipe	**Pass**	**30170**	Rupert Ave - GTA East - Area 30 - 1815	**2028**	$	3,622,241	Rupert Ave. - GTA East - Area 30 - 1815 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
Toronto Area 10 EGD	**10 - Toronto**	Distribution Pipe	**Pass**	**735820**	TOR10YR - Amethyst and Cass Replacement - Network # 455	**2029**	$	3,355,737	TOR10YR - Amethyst and Cass Replacement - Network #455 Intermediate Pressure (IP) system is running close to capacity and not meeting growth needs. Plans to elevate pressure to 55 PSI system from 25 PSI requires upgrades and replacement of some mains and services Scope: Replace and upgrade gas mains and services with 2,350 m NPS 2 PE, 1,000 m NPS 4 PE (like for like), 98 service relays, 27 service reconnects, and compression coupling (CC) removals. Resources: NPL to execute. Solution Impact: Gas plant replacements are to meet pressure elevation requirements in system to meet growth requirements. Project Timing: To be determined.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
GTA West Area 20 EGD	**20 - Mississauga**	Distribution Pipe	**Pass**	**30121**	Haggert Ave_GTA West_Area 20_1477	**2028**	$	3,299,345	Haggert Ave. - GTA West - Area 20 - 1477 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
GTA West Area 50 EGD	**50 - Barrie**	Distribution Pipe	**Pass**	**30098**	000046, NRP - HNS Grove A1, 2025 - 2027 - 1612	**2031**	$	3,296,957	000046, NRP - HNS Grove A1, 2025 - 2027 - 1612Vintage steel exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (Vintage Steel) is requried to manage the increasing number of expected leaks that create increasing risk for the organization	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	

GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Pass	30115	Clarkson Rd - GTA West - Area 20 - 1829	2029	$	3,229,575	Clarkson Rd. 1 - GTA West - Area 20 - 1665 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: Two projects were created based on regional comments (Clarkson Rd. 1 - 1665 and Clarkson Rd. 2 - 1666).	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Pass	30175	Yonge St - GTA East - Area 30 - 1358	2029	$	3,208,017	Yonge St. - GTA East - Area 30 - 1358 Vintage steel exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Pass	30398	Div. 16 - Haldimand - Dunnville - Central Lane - VSM - Hamilton - 1361	2030	$	3,151,866	Div. 16 - Haldimand - Dunnville - Central Lane - Hamilton - 1361 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: There is significant overlap with the Bare and Unprotected (BU) Program. There is reduction due to amount of main that will be replaced in 2022. The significant overlap between three BU steel mains are to be replaced in 2022.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Pass	30125	Main St_GTA West_Area 20_ 1231	2030	$	3,095,049	Main St. - GTA West - Area 20 - 1231 Vintage steel pipes exhibit increased failures as they age, as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	30337	Bartholomew St - Eastern - Area 60 - 1116	2028	$	3,068,791	Bartholomew St - Eastern - Area 60 - 1116 Vintage steel exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (Vintage Steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Pass	30182	Euclid Ave-Peterborough-1106	2030	$	3,021,713	Euclid Ave. - Peterborough - 1106 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Pass	30015	Elm Ave. - Southwest - Windsor - 1295	2030	$	2,962,102	Elm Ave. - Southwest - Windsor - 1295 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Pass	30423	Garden Alley 2-Ganonoque-1494	2030	$	2,919,364	Garden Alley 2 - Ganonoque - 1494 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	30364	VSM - LePage Ave - Eastern - Area 60 - 1214	2030	$	2,876,012	LePage Ave - Eastern - Area 60 - 1214 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Pass	30195	William St N - Kawartha Lakes - Area 40 - 1816	2030	$	2,804,993	William St N - Kawartha Lakes - Area 40 - 1816Vintage steel exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (Vintage Steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
Northweste rn Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Pass	30157	Kenora- Seventh Ave N-Phase 1 VSM Replacement-1546	2030	$	2,803,498	Seventh Ave. N. - Kenora - 1546 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Pass	30044	Walker Rd - Southwest - Windsor - 1333	2029	$	2,779,979	Walker Rd. - Southwest - Windsor - 1333 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Pass	30012	Ducharme St - Southwest - Windsor - 1301	2029	$	2,755,755	Ducharme St - Southwest - Windsor - 1301 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
London Area 04 UGL	Div_04 - London	Distribution Pipe	Pass	30279	Briscoe St W Ph 2 - Southwest - London - 1736	2028	$	2,711,445	Briscoe St. W. 2 - Southwest - London - 1736 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Pass	30050	Dexter Dr WELL - Area 80 - 1169	2030	$	2,684,338	Dexter Dr. - Area 80 - 1169 Vintage steel pipes exhibit increased failures as they age, as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: Plan Year 1 and execute Year 2.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Pass	30129	Seagull Dr 2 - GTA West - Area 20 - 1675	2030	$	2,653,358	Seagull Dr. 2 - GTA West - Area 20 - 1675 Vintage steel pipes exhibit increased failures as they age, as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: Two projects were created based on regional comments (Seagull Dr. 1 - 1674 and Seagull Dr. 2 - 1675).	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Pass	30123	Joymar Dr 2 - Area 20 - 1671	2029	$	2,636,023	Joymar Dr. 2 - GTA West - Area 20 - 1671 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: Two projects were created based on regional comments (Joyman Dr. 1 - 1670 and Joyman Dr. 2 - 1671).	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
London Area 04 UGL	Div_04 - London	Distribution Pipe	Pass	30299	Gordon Ave - Southwest - London - 1482	2029	$	2,634,031	Note: includes bare protected pipe per region. Gordon Ave - Southwest - London - 1482Vintage steel exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (Vintage Steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Pass	30168	Paliser Cres S - GTA East - Area 30 - 1389	2030	$	2,626,568	Paliser Cres. S. - GTA East - Area 30 - 1389 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Pass	30420	Cedar Alley-Ganonoque-1455	2029	$	2,618,060	Cedar Alley - Ganonoque - 1455 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.	

Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Pass	30072	Riverside Dr WELL - Area 80 - 1810	2027	$	2,598,871	Riverside Dr - Area 80 - 1810Vintage steel exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (Vintage Steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Pass	30404	Div. 16 - Hamilton - Centennial Pkwy N - VSM - Hamilton - 1747	2030	$	2,493,097	Div. 16 - Hamilton - Centennial Pkwy. N. - Hamilton - 1747 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: Include steel main at southeast of Limeridge Mall and the strip malls just south of Violet as it will be isolated steel.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Pass	30162	Ashlar Rd - GTA East - Area 30 - 1841	2028	$	2,474,360	Ashlar Rd. - GTA East - Area 30 - 1489 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Pass	30169	Ruggles Ave - GTA East - Area 30 - 1706	2028	$	2,432,529	Ruggles Ave. - GTA East - Area 30 - 1706 Vintage steel pipes exhibit increased failures as they age, as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: This was updated based on regional feedback (Ruggles Ave. - 1706).	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Pass	30122	Joymar Dr 1- GTA West - Area 20 - 1670	2029	$	2,426,143	Joymar Dr. 1 - GTA West - Area 20 - 1670 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: Created two projects based on regional comments (Joyman Dr. 1 - 1670 and Joyman Dr. 2 - 1671).	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Pass	30179	Christena Cres 1 - Ajax - Area 40 - 1702	2030	$	2,407,782	Christena Cres. 1 - Ajax - Area 40 - 1702 Vintage steel pipes exhibit increased failures as they age, as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: Scope is to be broken up into two investments given the large scope and potential conservation concerns and close proximity to MTO right-of-way (ROW). Project will be adjusted based on regional comments (Christena Cres. 1 - 1702 and Christena Cres. 2 - 1704).	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
London Area 04 UGL	Div_04 - London	Distribution Pipe	Pass	30278	Briscoe St W - Southwest - London -1735	2028	$	2,384,333	Briscoe St. W. - Southwest - London - 1735 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Pass	30192	Simcoe Street-40-Kawartha Lakes-1060	2029	$	2,382,498	Simcoe Street - 40 - Kawartha Lakes - 1060 Vintage steel pipes exhibit increased failures as they age, as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Pass	49859	CHAT: Tweedsmuir LP, Chatham, Replacement	2027	$	2,373,854	Replace 2,300 m of 4-inch steel, bare, protected gas main (2.5 kPa) with 4,300 m of 2-inch plastic gas main (420 kPa) in the Tweedsmuir subdivision in the Municipality of Chatham-Kent. There are 167 services that will need to be replaced.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	30370	Montgomery Pl - Eastern - Area 60 - 1228	2030	$	2,335,190	Montgomery Pl. - Eastern - Area 60 - 1228 Vintage steel pipes exhibit increased failures as they age, as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	30365	Madawaska St - Eastern - Area 60 - 1072	2030	$	2,293,084	Madawaska St - Eastern - Area 60 - 1072 Vintage steel pipes exhibit increased failures as they age, as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Pass	100688	WIND: Riverside Aldyl A - Ph 2, Windsor, Replacement	2026	$	2,290,868	This project will replace the approximately 1.7km of 1978 vintage Aldyl-A PE main along Riverside Drive in Windsor, from Bertha Street to Clover Drive. This main is known to be very brittle, has a total of 4 known C leaks, and many lined services. A portion of this 4" PE main is lined in the former 6" S CT main installed in 1968 that continues on either side of Riverside Drive, making maintenance and new service connections extremely difficult. There are approximately 73 services renewals required. Main to be replaced with 700 m of 4" PE IP.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	30379	Queen Mary St - Eastern - Area 60 - 1103	2030	$	2,283,302	Queen Mary St. - Eastern - Area 60 - 1103 Vintage steel pipes exhibit increased failures as they age, as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Pass	49814	WIND: Tecumseh Rd E - Ph 2, Windsor, Replacement	2028	$	2,264,958	Phase 2 will replace 1,000 m of Prior to Records (PTR) / DL protected NPS 8 Steel (S) main from 10490 to 11168 Tecumseh Rd. E. with 1,000 m of 8-inch S Yellow Jacket (YJ). There are a total of 14 services and 3 main tie-overs. This main is either in too poor condition or laminated, and as a result cannot be welded on. In addition to weldability issues, several leaks have occurred over the last several years which have all resulted in high capital expenditures to repair them. This area requires a substantial amount of anodes to keep it cathodically protected. This area also contains a large amount of growth and development for which the district currently cannot service due to the lacking pipe weldability.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Pass	30405	Div. 16 - Hamilton - Crooks St 1 - VSM - Hamilton - 1745	2028	$	2,255,743	Div. 16 - Hamilton - Crooks St. 1 - Hamilton - 1745 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
London Area 04 UGL	Div_04 - London	Distribution Pipe	Pass	30300	Greenwood Ave - Southwest - London - 1428	2030	$	2,254,132	Greenwood Ave. - Southwest - London - 1428 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Pass	30117	Elizabeth St S 1 - GTA West - Area 20 - 1667	2028	$	2,241,593	Elizabeth St. S. 1 - GTA West - Area 20 -1667 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: Two projects were created based on regional comments (Elizabeth St. S. 1 – 1667 and Elizabeth St. S. 2 - 1668).	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Pass	30056	Flanders Ave STC - Area 80 - 1809	2029	$	2,219,383	Handers Ave. - Area 80 - 1156 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: Plan Year 1 and execute Year 2.	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Pass	740586	LOND- Camlachie Unlocatable Plastic Mains-Camlachie	2029	$	2,209,541	The town of Camlachie was serviced in 1973 with the first generation of plastic mains/services which is nearing the end of its life. Instead of tracerwire they installed some type of metallic tape. This has resulted in the mains and services being unlocatable	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Pass	738324	OBrien Ave Ph 2-Kapuskasing-1855	2027	$	2,165,981	OBrien Ave 1-Kapuskasing-1856Vintage steel exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (Vintage Steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Pass	30068	Oakwood St PTC - Area 80 - 2030	2028	$	2,135,397	Oakwood St - Area 80 - 2030 Vintage steel exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (Vintage Steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization	Pass	Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.

Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Pass	30470	King St. W. - Eastern - 1799	2027	$	2,133,728	King St. W. - Eastern - 1799 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization.	Pass		Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Pass	48976	HAMI: Gardiner Ave E, Dunnville, BU Replacement	2026	$	2,126,279	Project Specific: Install 560m of 4"PE main, 65m of 2"PE main and abandon related steel main. Also, to renew 24 residential services and tie-over 1 service. General: The bare unprotected program is to replace all the bare and unprotected steel mains within Union's franchise. These mains are more susceptible to leaks as they have not been cathodically protected since installation. Removing these mains from service will reduce potential for leaks due to corrosion. If this project spend is reduced or deferred, more maintenance dollars will have to be spent repairing leaks on pipe which is nearing end-of-life.	Pass		Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Pass	30062	Lavinia St FE - Area 80 - 1171	2030	$	2,123,458	Lavinia St. - Area 80 - 1171 Vintage steel pipes exhibit increased failures as they age, as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: Plan Year 1 and execute Year 2.	Pass		Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Pass	735487	TOR10YR - Birchmount & Foxbridge Replacement - Network # 277	2029	$	2,112,669	TOR10YR - Birchmount & Foxbridge Replacement - Network # 277 IP system running close to capacity and not meeting growth needs. Plans to elevate pressure to 55 PSI system from 25 PSI requires replacement of some mains and services Scope: Install Replace and Upgrade gas mains with 1500m NPS 2 PE, 1000m NPS 4 PE 32 Service Relays, CC removals Resources: NPL to execute Solution Impact: Gas Plant replacements and install to meet pressure elevation requirements in system to meet growth requirements Project Timing: TBD	Pass		Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Pass	735497	TOR10YR - Kingsdown and Ranstone Replacement - Network # 455	2029	$	2,100,286	TOR10YR - Kingsdown and Ranstone Replacement - Network # 455 IP system running close to capacity and not meeting growth needs. Plans to elevate pressure to 55 PSI system from 25 PSI requires replacement of some mains and services Scope: Replace and Upgrade gas mains with 1100m NPS 2 PE, 100m NPS 4 (Like for Like) 120 Service Relays, 91 Service Reconnects Resources: NPL to execute Solution Impact: Gas Plant replacements to meet pressure elevation requirements in system to meet growth requirements Project Timing: TBD	Pass		Completed	Fail	Potential project scope could be replaced with NPS 2. IRPAs not applicable and scope to be confirmed when project enters the detailed design phase.
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Pass	30429	Manse Alley -Ganonoque-1466	2028	$	3,987,004	Manse Alley - Ganonoque - 1466 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: Stone Street was done approximately 10 years ago.	Fail	NPS 2, cannot downsize or retire			
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Pass	30417	Arthur St - Cornwall - Eastern - 1727	2030	$	2,583,965	General: Vintage Steel Replacement Program is a proactive replacement program to renew aging vintage steel pipe assets before reaching their end of life. Vintage steel mains have shown signs of declining health due to the cumulative effect of poor, manufactured coating performance; construction practices; latent third-party damages to pipe coating; and the effect of stray currents from transit infrastructure such as subway and streetcars. The current failure projection model is forecasting an exponential increase in the number of corrosion-related failures, while the CS5 value framework and the 40-year risk projection are showing an increase in the safety risk associated with steel main failures. Vintage steel systems also have potential to include compression couplings, shallow installation depth and shallow assemblies making pipe susceptible to third-party damage, and manufactured defects associated with seam welds and fittings.	Fail	NPS 2, cannot downsize or retire			
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Pass	30399	Div. 16 - Haldimand - Fisherville - Erie Ave N 1 - VSM - Hamilton - 1728	2029	$	2,457,042	Div. 16 - Haldimand - Fisherville - Erie Ave N 1 - Hamilton - 1728 Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Comments: This project is best divided into two projects (Ph1 - Concession 5 Rd. and Ph2 - Erie Ave. N.). The estimate is to be adjusted after additional project is created. Conservation authority permits are required.	Fail	NPS 2, cannot downsize or retire			
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	101343	A60: Sparks St, Ottawa, Replacement	2028	$	2,263,773	Issue/Concern: Sparks Street's NPS 12 steel main is approaching end of life and a replacement is necessary. This main was installed in the 1960s and 1970s and has compression couplings, Dresser-style fittings, drips and blow-off valves. Sparks Street is a pedestrian path through the downtown core of Ottawa with no vehicular access; therefore, performing maintenance activities or accessing the site during emergencies is a challenge. Replacement work is timed ahead of planned third-party road construction work along Sparks and Albert Street that could create third-party damage to these components and result in loss of containment. It will also provide an opportunity to coordinate development and design work with the Sparks Business Improvement Area (BIA) along with planned utility work on Albert Street. Assets: Approximately 1,100 m of NPS 12 intermediate pressure (IP) steel pipe on Albert Street, 900 m of NPS 4 IP Polyethylene (PE) pipe on Sparks Street, and 175 m of NPS 4 PE pipe from Lyons to Wellington. Related Programs: Not applicable.	Fail	Investment Cancelled			
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	742622	St. Laurent NPS 12 XHP North	2026	$	70,769,956	Issue/Concern/Opportunity: Full replacement of the main comprising Network 6584 is required - the NPS 12 St. Laurent Ottawa North line is 13.3 km and operates at 275 psi as Network 6584. It runs from south of St. Laurent Control Station (6584:653:1969) to Rockcliffe Control Station (Station #6858A). It does not include the main south from St. Laurent Control Station to Industrial Avenue as well as the NPS 12 lateral main to Trans Alta (6584:1234:1235) but does include the NPS 12 lateral main along Tremblay Road (and does not include the crossing at the Rideau River to Station #61171A). General Concerns: Vintage steel mains have shown signs of declining health due to the cumulative effect of poor manufactured coating performance, construction practices, latent third-party damages to pipe coating, and the effect of stray currents from transit infrastructure such as subway and streetcars. The current failure projection model is forecasting an exponential increase in the number of corrosion-related failures, while the CS5 value framework and the 40-year risk projection are showing an increase in the safety risk associated with steel main failures. In addition to age, vintage steel mains are also susceptible to accelerated degradation and/or higher risk of third-party damage in the following ways: •Compression couplings •Shallow blow-off valve assemblies that could be damaged during excavation activities •Reduction in the original depth of cover •Continuous exposure to road salt and seasonal ground movement on bridge crossing assets •Lack of cathodic protection with pipe casings that could result in corrosion, causing excessive stress or shorts on the carrier pipe that is in contact with the casing, which could lead to the loss of containment •Manufacturing defects associated with seam welds and fittings that are weak points in the distribution system and could result in a loss of containment due to prolonged exposure to stress and corrosion •Latent damages to pipe coatings that were never reported to EGI for repair and became active corrosion sites, which could hamper the effect of the corrosion protection system and result in accelerated corrosion and potential loss of containment. Additional drivers from the recent Integrity and Risk program are being captured and prepared as part of the re-filing of the LTC project. This portion of the project replacing the main will ensure the continued operation of EGI's gas distribution system and will mitigate safety risks to employees, contractors, and the general public. This project will install 5.3 km NPS 12 Steel Gas Main and 321 m NPS 6 Steel Gas Main in 2025 and transfer services back on to the XHP on St Laurent from Brittany to Sandridge and on Sandridge.	Fail	An OEB Leave to Construct application for the project has been approved			
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	10294	St. Laurent NPS 12 XHP East/West	2025	$	33,906,621	Full replacement of the main comprising Network 6584 is required - the NPS 12 St. Laurent Ottawa North line is 13.3 km and operates at 275 psi as Network 6584. It runs from south of St. Laurent Control Station (6584:653:1969) to Rockcliffe Control Station (Station #6858A). It does not include the main south from St. Laurent Control Station to Industrial Avenue as well as the NPS 12 lateral main to Trans Alta (6584:1234:1235) but does include the NPS 12 lateral main along Tremblay Road (and does not include the crossing at the Rideau River to Station #61171A). General Concerns: Vintage steel mains have shown signs of declining health due to the cumulative effect of poor manufactured coating performance, construction practices, latent third-party damages to pipe coating, and the effect of stray currents from transit infrastructure such as subway and streetcars. The current failure projection model is forecasting an exponential increase in the number of corrosion-related failures, while the CS5 value framework and the 40-year risk projection are showing an increase in the safety risk associated with steel main failures. In addition to age, vintage steel mains are also susceptible to accelerated degradation and/or higher risk of third-party damage in the following ways: •Compression couplings •Shallow blow-off valve assemblies that could be damaged during excavation activities •Reduction in the original depth of cover •Continuous exposure to road salt and seasonal ground movement on bridge crossing assets •Lack of cathodic protection with pipe casings that could result in corrosion, causing excessive stress or shorts on the carrier pipe that is in contact with the casing, which could lead to the loss of containment •Manufacturing defects associated with seam welds and fittings that are weak points in the distribution system and could result in a loss of containment due to prolonged exposure to stress and corrosion •Latent damages to pipe coatings that were never reported to EGI for repair and became active corrosion sites, which could hamper the effect of the corrosion protection system and result in accelerated corrosion and potential loss of containment. Additional drivers from the recent Integrity and Risk program are being captured and prepared as part of the re-filing of the LTC project. This portion of the project will install approx 3.2 km NPS 12 XHP Steel Gas Main and 0.6 km of 4-inch SC and abandon approx. 2.5 km of NPS 12 SC and transfer service 9 to the new NPS 12 XHP since the Plastic is not being installed on Coventry. Installation to be done in 2024	Fail	An OEB Leave to Construct application for the project has been approved			

Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	10293	St. Laurent NPS 16 XHP North	2025	$	31,053,707	Full replacement of the main comprising Network 6584 is required - the NPS 12 St. Laurent Ottawa North line is 13.3 km and operates at 275 psi as Network 6584. It runs from south of St. Laurent Control Station (6584:653:1969) to Rockcliffe Control Station (Station #6B558A). It does not include the main south from St. Laurent Control Station to Industrial Avenue as well as the NPS 12 lateral main to Trans Alta (6584:1234:1235) but does include the NPS 12 lateral main along Tremblay Road (and does not include the crossing at the Rideau River to Station #61171A). General Concerns: Vintage steel mains have shown signs of declining health due to the cumulative effect of poor manufactured coating performance, construction practices, latent third-party damages to pipe coating, and the effect of stray currents from transit infrastructure such as subway and streetcars. The current failure projection model is forecasting an exponential increase in the number of corrosion-related failures, while the C55 value framework and the 40-year risk projection are showing an increase in the safety risk associated with steel main failures. In addition to age, vintage steel mains are also susceptible to accelerated degradation and/or higher risk of third-party damage in the following ways: •Compression couplings •Shallow blow-off valve assemblies that could be damaged during excavation activities •Reduction in the original depth of cover •Continuous exposure to road salt and seasonal ground movement on bridge crossing assets •Lack of cathodic protection with pipe casings that could result in corrosion, causing excessive stress or shorts on the carrier pipe that is in contact with the casing, which could lead to the loss of containment •Manufacturing defects associated with seam welds and fittings that are weak points in the distribution system and could result in a loss of containment due to prolonged exposure to stress and corrosion •Latent damages to pipe coatings that were never reported to EGI for repair and became active corrosion sites, which could hamper the effect of the corrosion protection system and result in accelerated corrosion and potential loss of containment. Additional drivers from the recent Integrity and Risk program are being captured and prepared as part of the re-filing of the LTC project. This portion of the project replacing the main will ensure the continued operation of EGI's gas distribution system and will mitigate safety risks to employees, contractors, and the general public. This project will install 2.4 km NPS 16 Steel Gas Main in 2024. The NPS 12 north section now has a new Project number C55 742622 20024458.	Fail	An OEB Leave to Construct application for the project has been approved
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	10288	St. Laurent IP PE - Lower Section	2025	$	20,970,011	Issue/Concern: General Concerns: Vintage steel mains have shown signs of declining health due to the cumulative effective of poor manufactured coating performance, construction practices, latent third-party damages to pipe coating, and the effect of stray currents from transit infrastructure such as subway and streetcars. The current failure projection model is forecasting an exponential increase in the number of corrosion-related failures, while the C55 value framework and the 40-year risk projection are showing an increase in the safety risk associated with steel main failures. In addition to age, vintage steel mains are also susceptible to accelerated degradation and/or higher risk of third-party damage in the following ways: •Compression couplings •Shallow blow-off valve assemblies that could be damaged during excavation activities •Reduction in the original depth of cover •Continuous exposure of road salt and seasonal ground movement on bridge crossing assets •Lack of cathodic protection with pipe casings that could result in corrosion causing excessive stress or shorts on the carrier pipe that is in contact with the casing, which could lead to the loss of containment •Manufacturing defects associated with seam welds and fittings that are weak points in the distribution system and could result in a loss of containment due to prolonged exposure to stress and corrosion •Latent damages to pipe coatings that were never reported to EGI for repair and became active corrosion sites, which could hamper the effect of the corrosion protection system and result in accelerated corrosion and potentially loss of containment. Site-Specific Concerns: Unable to determine leaks due to the close proximity of the NPS 12 470 psi system. Cathodic protection was not installed until the early 1970s. Approximately 429 services are off this network. Full replacement of main comprising Network 6584 is required - the NPS 12 St. Laurent Ottawa North line is 13.3 km and operates at 275 psi as Network 6584. It runs from south of St. Laurent Control Station (6584:653:1969) to Rockcliffe Control Station (Station #6B558A). It does not include the main south from St. Laurent Control Station to Industrial Avenue as well as the NPS 12 lateral main to Trans Alta (6584:1234:1235) but does include the NPS 12 lateral main along Tremblay Road (and does not include the crossing at the Rideau River to Station #61171A). In 2018, pressure increase to Avenue O was completed. In 2019/2020, approximately 3.1 km of plastic pipe was installed on Tremblay and the Avenues and the services transfered over to IP. Due to a road moratorium, 2 km of 6-inch PE IP main on St. Laurent between Donald St. and Montreal was brought forward from	Fail	An OEB Leave to Construct application for the project has been approved
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	10290	St. Laurent IP PE Ogilvie/St. Laurent	2026	$	10,714,040	Full replacement of the main comprising Network 6584 is required - the NPS 12 St. Laurent Ottawa North line is 13.3 km and operates at 275 psi as Network 6584. It runs from south of St. Laurent Control Station (6584:653:1969) to Rockcliffe Control Station (Station #6B558A). It does not include the main south from St. Laurent Control Station to Industrial Avenue as well as the NPS 12 lateral main to Trans Alta (6584:1234:1235) but does include the NPS 12 lateral main along Tremblay Road (and does not include the crossing at the Rideau River to Station #61171A). General Concerns: Vintage steel mains have shown signs of declining health due to the cumulative effect of poor manufactured coating performance, construction practices, latent third-party damages to pipe coating, and the effect of stray currents from transit infrastructure such as subway and streetcars. The current failure projection model is forecasting an exponential increase in the number of corrosion-related failures, while the C55 value framework and the 40-year risk projection are showing an increase in the safety risk associated with steel main failures. In addition to age, vintage steel mains are also susceptible to accelerated degradation and/or higher risk of third-party damage in the following ways: •Compression couplings •Shallow blow-off valve assemblies that could be damaged during excavation activities •Reduction in the original depth of cover •Continuous exposure to road salt and seasonal ground movement on bridge crossing assets •Lack of cathodic protection with pipe casings that could result in corrosion, causing excessive stress or shorts on the carrier pipe that is in contact with the casing, which could lead to the loss of containment •Manufacturing defects associated with seam welds and fittings that are weak points in the distribution system and could result in a loss of containment due to prolonged exposure to stress and corrosion •Latent damages to pipe coatings that were never reported to EGI for repair and became active corrosion sites, which could hamper the effect of the corrosion protection system and result in accelerated corrosion and potential loss of containment. Additional drivers from the recent Integrity and Risk program are being captured and prepared as part of the re-filing of the LTC project. This portion of the project is to install 800 m NPS 6, 525 m NPS 2 IP, transfer 27 services to IP from XHP, and abandon 1 station on Coventry and Cummings. In 2018, a pressure increase to Avenue O was completed. In 2019/2020, approximately 3.1 km of plastic pipe was installed on Tremblay and the Avenues and the services were transfered over to IP. Due to a road moratorium, a 2 km of 6-inch PE IP main on St. Laurent between Donald St. and Montreal was brought forward from 2021 to 2019/2020 and approximately 80 services.	Fail	An OEB Leave to Construct application for the project has been approved
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	742761	St. Laurent NPS 12 XHP South	2026	$	9,124,196	Issue/Concern/Opportunity: Replace Vintage Steel out of St Laurent Control south to north of Industrial Ave. Justification: Vintage Steel Program Assets: M119260689 Related Investments: 10288. 10290. 20292. 10293. 10294. 742622	Fail	An OEB Leave to Construct application for the project has been approved
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	10292	St. Laurent IP PE - Montreal to Rockcliffe	2026	$	4,186,311	General Concerns: Vintage steel mains have shown signs of declining health due to the cumulative effective of poor-manufactured coating performance, construction practices, latent third-party damages to pipe coating, and the effect of stray currents from transit infrastructure such as subway and streetcars. The current failure projection model is forecasting an exponential increase in the number of corrosion-related failures, while the C55 value framework and the 40-year risk projection show an increase in the safety risk associated with steel main failures. In addition to age, vintage steel mains are also susceptible to accelerated degradation and/or higher risk of third-party damage in the following ways: •Compression couplings •Shallow blow-off valve assemblies that could be damaged during excavation activities •Reduction in the original depth of cover •Continuous exposure of road salt and seasonal ground movement on bridge crossing assets •Lack of cathodic protection with pipe casings that could result in corrosion causing excessive stress or shorts on the carrier pipe that is in contact with the casing, which could lead to the loss of containment •Manufacturing defects associated with seam welds and fittings that are weak points in the distribution system and could result in a loss of containment due to prolonged exposure to stress and corrosion •Latent damages to pipe coatings that were never reported to EGI for repair and became active corrosion sites, which could hamper the effect of the corrosion protection system and result in accelerated corrosion and potentially loss of containment. Site-Specific Concerns: An inability to determine leaks due to the close proximity of the NPS 12 470 psi system is a concern. Cathodic protection was not installed until the early 1970s. Approximately 429 services are off this network. Full replacement of main comprising Network 6584 is required - the NPS 12 St. Laurent Ottawa North line is 13.3 km and operates at 275 psi as Network 6584. It runs from south of St. Laurent Control Station (6584:653:1969) to Rockcliffe Control Station (Station #6B558A). It does not include the main south from St. Laurent Control Station to Industrial Avenue as well as the NPS 12 lateral main to Trans Alta (6584:1234:1235) but does include the NPS 12 lateral main along Tremblay Road (and does not include the crossing at the Rideau River to Station #61171A). In 2018, pressure increase to Avenue O was completed. In 2019/2020, approximately 3.1 km of plastic pipe was installed on Tremblay and the Avenues and the services transfered over to IP. Due to a road moratorium, 2 km of 6-inch PE IP main on St. Laurent between Donald St. and Montreal was brought forward from 2021 to 2019/2020 and approximately 80 services.	Fail	An OEB Leave to Construct application for the project has been approved
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Pass	740604	NPS20 KOL - Parliament St.	2023	$	2,545,428	The NPS 20 assessment identifies risk results that exceeds EGI's risk threshold and supports the recommendation that this section of the pipeline (Parliament Street) requires replacement. The vintage steel replacement of the NPS 20 main on Parliament Street will help address known pipe integrity and operational field concerns by proactively replacing the steel main approaching intolerable risk due to failing pipes or pipes in poor condition. This project will replace approximately 300 m of NPS 20 HP steel main and will abandon approximately 300 m of the existing NPS 20 HP main on Parliament St. in Toronto. Related investment: 10088	Fail	N/A - Project in construction phase
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Pass	101277	Replacement - Vintage PE Lined Mains - Peterborough	2027	$	2,563,287	Issue/Concern/Opportunity: This is a planned replacement of approximately 320 m of vintage PE pipe (1974) lined in old cast iron mains, installed in back laneways on Elias Ave., Maitland Ave., Pearl Ave., and Boswell Ave. in Peterborough. Justification: Vintage PE mains are reaching their life expectancy. Mains are cased in cast iron, making leaks difficult to pinpoint. Assets: There are 1974 NPS 1 1/4 PE mains (approximately 320 m) to be replaced with new NPS 2 PE mains (approximately 960 m if dual main) and there are approximately 60 service relays. Related Investments: Not applicable.	Fail	NPS 2, cannot downsize or retire
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Pass	502423	A20: Homark Dr., Mississauga - 1" ST Replacement	2026	$	2,505,899	Issue/Concern/Opportunity: Recent service abandonments for residential demolitions have necessitated cut outs on the main due to corrosion concerns. 45 of the 91 services are Copper and therefore require replacement. Request to replace 1" VSM with PE and associated service upgrades. Justification: Value framework attached, completed Spring 2021 Assets: Related Investments:	Fail	NPS 2, cannot downsize or retire

Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Pass	100497	VSM - Firestone Road - 2" ST - PH1	2026	$	2,240,973	Issue/Concern/Opportunity: General Concerns: Vintage steel pipes exhibit increased failures as they age as steel mains are susceptible to external corrosion when barriers of pipe coatings and cathodic protection are compromised. The current pipe replacement rate (mains and services) is inadequate to prevent the average age of the population from increasing and hence reaching the end of their useful life. EGI has determined that a long-term proactive replacement program targeting higher-risk steel pipes installed on or before 1970 (vintage steel) is required to manage the increasing number of expected leaks that create increasing risk for the organization. Assets: Approximately 1623.3 m 2-inch SC Intermediate Pressure (IP) to be replaced by 2-inch PE IP. Related Investments: Investment code #735792 (PH 2) & 739942 (Eastside)	Fail	NPS 2, cannot downsize or retire
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Pass	13612	Service Relay Blanket - Area 10	2025	$	81,683,888	General: A distribution service refers to the pipe between the distribution main and the customer's meter set. Over the years, different materials have been used for this asset, including steel, copper, and varying resins of plastic, each with unique characteristics that contribute to their performance over time. Services can be repaired or replaced depending on asset condition and the nature of the issue exhibited. Generally, replacement is the preferred approach to mitigate unacceptable asset condition.	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Pass	48397	WATE: Dist-Repl-Contr-Mains Municipal	2025	$	57,981,534	General: Projects in the relocation category are capital expenditures required to replace or relocate segments of pipeline in order to accommodate municipal infrastructure work. The cost sharing for this work is managed through the Franchise Agreements established with municipalities. A consultative approach is used between the municipality and EGI to avoid conflicts with municipal infrastructure early in the planning stage. If a conflict is unavoidable, pipeline assets are typically relocated or replaced.	Fail	See investment description, IRPAs not applicable
All	01 - All	Distribution Pipe	Pass	750015	Aldyl A Proactive Replacement Program - EGD	2027	$	57,775,844	It is well known and studied in the North American gas industry that Aldyl A plastic mains have brittle-like cracking properties. The oxidation of the inner wall surface during manufacturing (also known as Low Ductile Inner Wall (LDIW)) and the large spherulites found in its microstructure causes pipe to be susceptible to premature failure in the form of cracking. Cracking in the Aldyl A pipe wall is further accelerated by additional stress intensifiers such as a large number of connections, squeeze-offs, and the presence of rock impingement points caused by rocky soil types, which significantly shorten the expected asset life of Aldyl A plastic mains. Aldyl A had an original design life of 50 years from the manufacturer (DuPont). Prior EGI analytics for the Aldyl A population was based solely on reliability modelling and forecasting, where we obtained some insight in forecasted future leak rates. EGI just recently developed an Aldyl A risk model that combines the reliability information (likelihood of failure) with a segmented consequence model to yield risk, like what was performed for the Vintage Steel population. The segmented consequence model considers geospatially variable risk factors like population densities, soil conditions (like rocky soil), etc. The preliminary findings from the Aldyl A risk model is raising some concerns for EGI in terms of the risk that some of the Aldyl A assets may pose in the near future. This risk may promote some targeted proactive replacements in order to manage risk.	Fail	See investment description, IRPAs not applicable
All	01 - All	Distribution Pipe	Pass	750016	Aldyl A Proactive Replacement Program - UG	2027	$	55,587,490	It is well known and studied in the North American gas industry that Aldyl A plastic mains have brittle-like cracking properties. The oxidation of the inner wall surface during manufacturing (also known as Low Ductile Inner Wall (LDIW)) and the large spherulites found in its microstructure causes pipe to be susceptible to premature failure in the form of cracking. Cracking in the Aldyl A pipe wall is further accelerated by additional stress intensifiers such as a large number of connections, squeeze-offs, and the presence of rock impingement points caused by rocky soil types, which significantly shorten the expected asset life of Aldyl A plastic mains. Aldyl A had an original design life of 50 years from the manufacturer (DuPont). Prior EGI analytics for the Aldyl A population was based solely on reliability modelling and forecasting, where we obtained some insight in forecasted future leak rates. EGI just recently developed an Aldyl A risk model that combines the reliability information (likelihood of failure) with a segmented consequence model to yield risk, like what was performed for the Vintage Steel population. The segmented consequence model considers geospatially variable risk factors like population densities, soil conditions (like rocky soil), etc. The preliminary findings from the Aldyl A risk model is raising some concerns for EGI in terms of the risk that some of the Aldyl A assets may pose in the near future. This risk may promote some targeted proactive replacements in order to manage risk.	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Pipe	Pass	48455	HALT: Services - Replacement	2025	$	45,261,053	The service relay account is for the annual district capital blanket budgeted for maintenance requirements associated with individual customer services that require replacement or repair due to their age and condition.	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Pass	4763	AMP Fitting Replacement - Area 20	2025	$	34,391,438	AMP Fittings are a below grade transition fittings. The inserted portion of copper tubing can fail due to internal corrosion. In these cases leaks develop immediately downstream of the AMP Fitting.	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Pass	48428	HAMI: Dist-Repl-Contr-Mains Municipal	2025	$	31,002,807	General: Projects in the relocation category are capital expenditures required to replace or relocate segments of pipeline in order to accommodate municipal infrastructure work. The cost sharing for this work is managed through the Franchise Agreements established with municipalities. A consultative approach is used between the municipality and EGI to avoid conflicts with municipal infrastructure early in the planning stage. If a conflict is unavoidable, pipeline assets are typically relocated or replaced.	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Pass	48288	WIND: Dist-Repl-Contr-Mains Municipal	2025	$	30,750,089	General: Projects in the relocation category are capital expenditures required to replace or relocate segments of pipeline in order to accommodate municipal infrastructure work. The cost sharing for this work is managed through the Franchise Agreements established with municipalities. A consultative approach is used between the municipality and EGI to avoid conflicts with municipal infrastructure early in the planning stage. If a conflict is unavoidable, pipeline assets are typically relocated or replaced.	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Pass	13605	Service Relay Blanket - Area 20	2025	$	28,256,270	General: A distribution service refers to the pipe between the distribution main and the customer's meter set. Over the years, different materials have been used for this asset, including steel, copper, and varying resins of plastic, each with unique characteristics that contribute to their performance over time. Services can be repaired or replaced depending on asset condition and the nature of the issue exhibited. Generally, replacement is the preferred approach to mitigate unacceptable asset condition.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Pass	4760	AMP Fitting Replacement - Area 10	2025	$	27,146,229	AMP Fittings are a below grade transition fittings. The inserted portion of copper tubing can fail due to internal corrosion. In these cases leaks develop immediately downstream of the AMP Fitting.	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	13609	Service Relay Blanket - Area 60	2025	$	25,505,646	General: A distribution service refers to the pipe between the distribution main and the customer's meter set. Over the years, different materials have been used for this asset, including steel, copper, and varying resins of plastic, each with unique characteristics that contribute to their performance over time. Services can be repaired or replaced depending on asset condition and the nature of the issue exhibited. Generally, replacement is the preferred approach to mitigate unacceptable asset condition.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Pass	13606	Service Relay Blanket - Area 30	2025	$	23,915,245	General: A distribution service refers to the pipe between the distribution main and the customer's meter set. Over the years, different materials have been used for this asset, including steel, copper, and varying resins of plastic, each with unique characteristics that contribute to their performance over time. Services can be repaired or replaced depending on asset condition and the nature of the issue exhibited. Generally, replacement is the preferred approach to mitigate unacceptable asset condition.	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Pass	48398	WATE: Services – Replacement	2025	$	22,952,304	The service relay account is for the annual district capital blanket budgeted for maintenance requirements associated with individual customer services that require replacement or repair due to their age and condition.	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Pipe	Pass	48348	LOND: Dist-Repl-Contr-Mains Municipal	2025	$	22,780,026	General: Projects in the relocation category are capital expenditures required to replace or relocate segments of pipeline in order to accommodate municipal infrastructure work. The cost sharing for this work is managed through the Franchise Agreements established with municipalities. A consultative approach is used between the municipality and EGI to avoid conflicts with municipal infrastructure early in the planning stage. If a conflict is unavoidable, pipeline assets are typically relocated or replaced.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Pass	48477	King: Relocation Mains - Municipal	2025	$	20,212,968	Replacement, relocation and lowering of mains and associated services due to municipal/FN's/provincial/federal re-construction projects. Cost recovery mechanism in place as per Franchise Agreement	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Pass	4660	Replacement Blanket - Area 10	2025	$	19,674,056	Through out the year there is a need to expedite short main replacement projects which typically have short notice. Examples of these types of jobs include cutting out a section of main/fitting which is leaking, removing blow-offs that require immediate attention, on going municipal works where we encounter unexpected gas plant - catch basin placements, structures, temporary main cut-out to access municipal plant - water mains etc.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass	102748	2029 Integrity Dig Program	2029	$	19,552,393	General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Pass	48430	HAMI: Services – Replacement	2025	$	17,615,187	The service relay account is for the annual district capital blanket budgeted for maintenance requirements associated with individual customer services that require replacement or repair due to their age and condition.	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Pass	102420	Relocation Program - Area 20	2025	$	16,553,588	General: Projects in the relocation category are capital expenditures required to replace or relocate segments of pipeline in order to accommodate municipal infrastructure work. The cost sharing for this work is managed through the Franchise Agreements established with municipalities. A consultative approach is used between the municipality and EGI to avoid conflicts with municipal infrastructure early in the planning stage. If a conflict is unavoidable, pipeline assets are typically relocated or replaced.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass	102747	2028 Integrity Dig Program	2028	$	16,340,559	General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Pipe	Pass	48350	LOND: Dist-Repl-Contr-Services	2025	$	16,325,037	The service relay account is for the annual district capital blanket budgeted for maintenance requirements associated with individual customer services that require replacement or repair due to their age and condition.	Fail	See investment description, IRPAs not applicable
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Pass	13607	Service Relay Blanket - Area 40	2025	$	15,944,319	This Business Case is created to group all Blanket Relay IDFs for all 7 areas into one IDF and one Business Case to simplify the Risk Assessment process. Financial tracking will be done on the individual Blanket Relay IDFs to provide area financial reporting.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass	736844	Independent Asset Integrity Review (IAIR) - (LUG)	2027	$	15,326,848	Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. This first phase of the project was completed last year. TIMP is currently developing plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Pass	4764	AMP Fitting Replacement - Area 30	2025	$	15,301,559	AMP Fittings are a below grade transition fittings. The inserted portion of copper tubing can fail due to internal corrosion. In these cases leaks develop immediately downstream of the AMP Fitting.	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Pass	48290	WIND: Dist-Repl-Contr-Services	2025	$	14,425,607	The service relay account is for the annual district capital blanket budgeted for maintenance requirements associated with individual customer services that require replacement or repair due to their age and condition.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass	102746	2027 Integrity Dig Program	2027	$	12,808,173	General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	4767	AMP Fitting Replacement - Area 60	2025	$	12,300,904	AMP Fittings are a below grade transition fittings. The inserted portion of copper tubing can fail due to internal corrosion. In these cases leaks develop immediately downstream of the AMP Fitting.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass	102744	2026 Integrity Dig Program	2026	$	11,905,393	General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Pass	48472	KING: Services - Replacement	2025	$	11,523,140	The service relay account is for the annual district capital blanket budgeted for maintenance requirements associated with individual customer services that require replacement or repair due to their age and condition.	Fail	See investment description, IRPAs not applicable
Northwester n Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Pass	745320	NPS 8 Bruce Lake Geohazard Remediation	2025	$	11,167,316	Issue/Concern/Opportunity: NPS 8 Bruce Lake at English River Crossing is exposed with four unsupported spans (17 m, 13.2 m, 7 m, and 4.3 m). A detailed hydrotechnical investigation revealed that that the 17 m span could potentially grow and cause failure of the pipeline in a 6 to 8 year flood due to vortex-induced vibration. Justification: A pipeline failure in a river has significant environmental, financial, reputational, operational and potentially health and safety impacts. This pipeline supplies 3 firm contracted customers (two mining companies and one hospital) in addition to approx. 1795 other customers. Remediation of the site is required to prevent failure of the pipeline. Assets: NPS 8 Bruce Lake Lateral	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Pipe	Pass	48453	HALT: Dist-Repl-Contr-Mains Municipal	2025	$	10,727,039	General: Projects in the relocation category are capital expenditures required to replace or relocate segments of pipeline in order to accommodate municipal infrastructure work. The cost sharing for this work is managed through the Franchise Agreements established with municipalities. A consultative approach is used between the municipality and EGI to avoid conflicts with municipal infrastructure early in the planning stage. If a conflict is unavoidable, pipeline assets are typically relocated or replaced.	Fail	See investment description, IRPAs not applicable

Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Pass	102212	INTE: Sault Ste Marie/Baseline: Retrofit ECDA to ILI	2025	$	10,304,300	Project Specific: ECDA to ILI program, supporting refinement of pipeline risk profile. Associated 2022 O&M spend for ILI General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Pass	13611	Service Relay Blanket - Area 80	2025	$	10,102,738	General: A distribution service refers to the pipe between the distribution main and the customer's meter set. Over the years, different materials have been used for this asset, including steel, copper, and varying resins of plastic, each with unique characteristics that contribute to their performance over time. Services can be repaired or replaced depending on asset condition and the nature of the issue exhibited. Generally, replacement is the preferred approach to mitigate unacceptable asset condition.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Pass	1290	Millhaven Retrofit	2025	$	9,605,393	Project Specific: ECDA to ILI program, supporting refinement of pipeline risk profile. Associated 2026 O&M spend for ILI General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections. Link to scope in ProjectWise: ow://awintegration.atna.at.ds:TRM PROD/Documents/DI9187ae1-c1f5-49bc-990d-f753f776aafc\	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Pipe	Pass	100444	Integrity Retrofit Program >30% SMYS	2028	$	9,559,382	General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass	49935	Depth of Cover Mitigation Program	2028	$	9,160,643	General: In compliance with the TSSA Code Adoption Document, EGI has an annual depth of cover survey program for all 30 per cent SMYS pipelines. These surveys may identify locations where remediation is required. The current cycle of depth of cover surveys will be completed in 2023 at which time a prioritized list of capital replacements will be created to plan for any identified required remediation.	Fail	See investment description, IRPAs not applicable
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Pass	13608	Service Relay Blanket - Area 50	2025	$	9,150,625	This Business Case is created to group all Blanket Relay IDFs for all 7 areas into one IDF and one Business Case to simplify the Risk Assessment process. Financial tracking will be done on the individual Blanket Relay IDFs to provide area financial reporting.	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	4665	Replacement Blanket - Area 60	2025	$	8,915,907	Through out the year there is a need to expedite short main replacement projects which typically have short notice. Examples of these types of jobs include cutting out a section of main/fitting which is leaking, removing blow-offs that require immediate attention, on going municipal works where we encounter unexpected gas plant - catch basin placements, structures, temporary main cut-out to access municipal plant - water mains etc. ***Regional replacement blanket investment is funding GL1072 Tenth Line & Innes Valve Replacement for leak repair, investment # 739106	Fail	See investment description, IRPAs not applicable
Head Office/All	00 - Head Office	Distribution Pipe	Pass	736833	TIMP Geohazard Mitigation (LUG)	2034	$	8,737,459	General: The Geohazard Mitigation program has been designed to comply with all applicable codes and standards. The program consists of the assessment and maintenance of the integrity of EGI's pipeline systems which may be impacted by geohazards. The assessment ensures asset's continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass	102754	2029 Integrity Retrofit Program	2029	$	8,288,105	Project Specific: Forecast note provided for 2026-2030, using average of 2023-2025 as placeholder. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Pipe	Pass	102761	2026 Integrity Dig Program	2026	$	7,795,302	Forecast: Forecast not provided for 2026-3030; average of 2020-2025 used as a placeholder. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Pass	102422	Relocation Program - Area 40	2025	$	7,603,249	General: Projects in the relocation category are capital expenditures required to replace or relocate segments of pipeline in order to accommodate municipal infrastructure work. The cost sharing for this work is managed through the Franchise Agreements established with municipalities. A consultative approach is used between the municipality and EGI to avoid conflicts with municipal infrastructure early in the planning stage. If a conflict is unavoidable, pipeline assets are typically relocated or replaced.	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Pipe	Pass	102764	2029 Integrity Dig Program	2029	$	7,290,328	Forecast: Forecast not provided for 2026-2030; average of 2020-2025 used as a placeholder. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Pass	747578	2025 Sudbury Integrity Digs	2025	$	7,032,453	2025 forecast: General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass	102753	2028 Integrity Retrofit Program	2028	$	6,926,634	Project Specific: Forecast note provided for 2026-2030, using average of 2023-2025 as placeholder. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Pass	14063	Copper Service Replacement - Area 80	2025	$	6,731,748	The proactive Copper Services Replacement program aims to remove all outstanding active copper services and replace these assets with new plastic services and anodeless risers as part of the Service Relay program. Additionally, EGI will be monitoring condition-based and customer-related drivers that trigger the need to replace these assets. Condition-based drivers are monitored through existing activities of the DIMP, as well as the Leak and Corrosion Survey programs. Copper services are also replaced through proactive vintage mains replacement programs and relocation projects.	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass	102424	Relocation Program - Area 60	2025	$	6,451,118	General: Projects in the relocation category are capital expenditures required to replace or relocate segments of pipeline in order to accommodate municipal infrastructure work. The cost sharing for this work is managed through the Franchise Agreements established with municipalities. A consultative approach is used between the municipality and EGI to avoid conflicts with municipal infrastructure early in the planning stage. If a conflict is unavoidable, pipeline assets are typically relocated or replaced.	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Pipe	Pass	102763	2028 Integrity Dig Program	2028	$	6,092,807	Forecast: Forecast not provided for 2026-3030; average of 2020-2025 used as a placeholder. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Pass	102203	NPS 12 Victoria Square Pipeline - Integrity Retrofit > 30% SMYS	2029	$	5,778,283	Issue/Concern/Opportunity: Permanent Launcher Retrofits - Need to revise the kicker line, new supports and new permanent launcher Justification: This will allow in-line inspection of both pipelines which is required as per the Pipeline integrity management program This project is part of the Gas Storage and Transmission System (GSTS) integrity management plan that satisfies the requirements of the Pipeline Integrity Management Program mandated by CSA Z662-11 clause 3.2 and 10.3.10 as audited by the TSSA. These features are compliance driven features that must be completed as part of this program. Assets: Permanent Launcher, Pipe Supports and Associated pipe in Station. Related Investments:	Fail	See investment description, IRPAs not applicable
Head Office/All	00 - Head Office	Distribution Pipe	Pass	736845	Independent Asset Integrity Review (IAIR) - (LEG)	2027	$	5,762,477	Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. This first phase of the project was completed last year. TIMP is currently developing plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass	102454	2027 Class Location Replacement Program	2027	$	5,381,585	General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS, unless previously designed, tested, operated, and maintained for a Class 4 location. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development which occurs in close proximity to EGI's pipelines typically triggers class location changes. An annual budget is required for EGI's pipeline system in order to meet the current standard requirements. Remediation includes pressure testing, installation of valves, remediating depth of cover issues, and pipeline replacement. This work ensures EGI is compliant and fosters the safety of the public and EGI's pipeline system.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass	102455	2028 Class Location Replacement Program	2028	$	5,182,057	General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS, unless previously designed, tested, operated, and maintained for a Class 4 location. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development which occurs in close proximity to EGI's pipelines typically triggers class location changes. An annual budget is required for EGI's pipeline system in order to meet the current standard requirements. Remediation includes pressure testing, installation of valves, remediating depth of cover issues, and pipeline replacement. This work ensures EGI is compliant and fosters the safety of the public and EGI's pipeline system.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass	102456	2029 Class Location Replacement Program	2029	$	5,021,685	General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS, unless previously designed, tested, operated, and maintained for a Class 4 location. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development which occurs in close proximity to EGI's pipelines typically triggers class location changes. An annual budget is required for EGI's pipeline system in order to meet the current standard requirements. Remediation includes pressure testing, installation of valves, remediating depth of cover issues, and pipeline replacement. This work ensures EGI is compliant and fosters the safety of the public and EGI's pipeline system.	Fail	See investment description, IRPAs not applicable
Waterloo Area 67 UGL	Div_67 - Waterloo	Distribution Pipe	Pass	733738	NPS 8 Port Elgin South Hampton	2026	$	4,717,261	Project-Specific: External Corrosion Direct Assessment (ECDA) to In-Line Inspection (ILI) Program, supporting refinement of pipeline risk profile. Associated 2026 Operations and Maintenance (O&M) spend for ILI. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30% Specified Minimum Yield Strength (SMYS). It includes installation costs for permanent ILI tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Pass	746643	NPS 4 Cochrane MOP Downgrade (IAIR)	2026	$	4,129,033	Project Specific: Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. This study was the Independent Asset Integrity Review (IAIR). TIMP has developed plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones. The Cochrane NPS 4 pipeline is a TIMP asset with pre-1980 vintage long seam welds and no inline inspection technologies available in this pipe diameter that can detect the presence of specific hazard uncertainties identified through the IAIR program. A pipeline replacement or a MOP downgrade is required to either eliminate the hazard uncertainty or reduce the potential consequence due to the identified hazards. The MOP downgrade option was preferred after stakeholder consultation. The scope will entail odorizing and pressure regulating the pipeline at Zucks Rd CMS. Alterations would also be necessary at Cochrane TBS downstream to accommodate a new inlet MOP. Any stray segments of pipe not affected by the above will be replaced (i.e. the segment of buried pipe between TCE property line and Zucks Rd CMS).	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Pass	102419	Relocation Program - Area 10	2025	$	4,062,023	General: Projects in the relocation category are capital expenditures required to replace or relocate segments of pipeline in order to accommodate municipal infrastructure work. The cost sharing for this work is managed through the Franchise Agreements established with municipalities. A consultative approach is used between the municipality and EGI to avoid conflicts with municipal infrastructure early in the planning stage. If a conflict is unavoidable, pipeline assets are typically relocated or replaced.	Fail	See investment description, IRPAs not applicable

Head Office/All	01 - All	Distribution Pipe	Pass	102762	2027 Integrity Dig Program	2027	$	4,021,048	Forecast: Forecast not provided for 2026-3030; average of 2020-2025 used as a placeholder. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Pass	2143	NPS 10 Sudbury Lateral - Yellek	2026	$	3,914,000	Project Specific Concerns: Sudbury Section 1 - Yellek - 2500m of NPS 10. 3 road crossings. Class 1 to 2. General Concerns: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30% SMYS. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development occurs in close proximity to EGI's pipelines which triggers annual class location changes; this work ensures EGI is compliant and fosters the safety of the public and the pipeline system. Assets: Sudbury Section 1 - Yellek - 2500m of NPS 10 pipe. Related Programs: N/A	Fail	See investment description, IRPAs not applicable
Head Office/All	00 - Head Office	Distribution Pipe	Pass	748917	2029 EDIMP ILI Retrofits and Pipeline Repairs (EGD)	2029	$	3,905,533	Issue/Concern/Opportunity: There are pipelines in the EDIMP program that need further analysis and inspection to be able to determine their conditions (fitness for service) and risk & reliability. The retrofits would make it possible to inspect a pipeline utilizing crawler or similar tools. Justification: Retrofitting the pipeline to be able to perform inspections. Some repairs may be required as a result of ILI and validation digs findings. The inspection results and corresponding integrity assessments can be utilized for future capital investment optimization. Assets: Various (EGD) Related Investments:	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Pass	737877	NPS 8 Moneta Porcupine Retrofit	2026	$	3,902,264	Issue/Concern: The condition monitoring of NPS 8 Moneta Porcupine is currently limited to ECDA which only targets external corrosion sites and coating disbondments. As a result there is limited knowledge of other hazards such as third party damages, seam flaws, manufacturing defects etc. To get complete information on the condition of the asset, Inline inspection is required which will be facilitated by retrofitting the pipeline. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of pipeline systems in the Union rate zone to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30% SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections. Project Specific: (External Corrosion Direct Assessment) ECDA to ILI program, supporting refinement of pipeline risk profile. Assets: NPS 8 Moneta Porcupine Related Programs: Integrity Management Program Link to ProjectWise Scope: pw://pwintegration.gtna.gt.ds:TRM_PROD/Documents/D{34f04bc4-ddc5-4077-be10-e5fa35170c81}	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Pass	733718	NPS 6 Kapuskasing Retrofit	2026	$	3,777,083	Project-Specific: External Corrosion Direct Assessment (ECDA) to In-Line Inspection (ILI) Program, supporting refinement of pipeline risk profile. Associated 2027 Operations and Maintenance (O&M) spend for ILI. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30% Specified Minimum Yield Strength (SMYS). It includes installation costs for permanent ILI tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Pass	733719	NPS 6 Cochrane Loop	2026	$	3,777,083	Project-Specific: External Corrosion Direct Assessment (ECDA) to In-Line Inspection (ILI) Program, supporting refinement of pipeline risk profile. Associated 2026 Operations and Maintenance (O&M) spend for ILI. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30% Specified Minimum Yield Strength (SMYS). It includes installation costs for permanent ILI tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Head Office/All	00 - Head Office	Distribution Pipe	Pass	748915	2029 EDIMP ILI Retrofits and Pipeline Repairs (UG)	2029	$	3,767,320	Issue/Concern/Opportunity: There are pipelines in the EDIMP program that need further analysis and inspection to be able to determine their conditions (fitness for service) and risk & reliability. The retrofits would make it possible to inspect a pipeline utilizing crawler or similar tools. Justification: Retrofitting the pipeline to be able to perform inspections. Some repairs may be required as a result of ILI and validation digs findings. The inspection results and corresponding integrity assessments can be utilized for future capital investment optimization. Assets: Various (UG) Related Investments:	Fail	See investment description, IRPAs not applicable
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Pass	102423	Relocation Program - Area 50	2025	$	3,730,772	General: Projects in the relocation category are capital expenditures required to replace or relocate segments of pipeline in order to accommodate municipal infrastructure work. The cost sharing for this work is managed through the Franchise Agreements established with municipalities. A consultative approach is used between the municipality and EGI to avoid conflicts with municipal infrastructure early in the planning stage. If a conflict is unavoidable, pipeline assets are typically relocated or replaced.	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Pass	747029	NPS 24 & 36 MSL Pipeline AC Mitigation Phase 2	2026	$	3,584,254	Scope Install a mitigation system consisting of a total of 2295 m of 2/0 copper mitigation wire, connected to the pipelines through decouplers at 10 locations, complete with 77 zinc anodes to cathodically protect the copper wire. The monitoring system with a total of 11 AC coupons and 11 DC coupons installed (at existing test posts where possible) and 3 new test stations along the MSL NPS 36 and NPS 24 pipelines, to facilitate the monitoring of AC current densities. Business Driver •The work is related to AC mitigation since the pipeline resides in HVAC line ROW and is susceptible to AC-Induced corrosion and AC-Induced voltage. •The estimate is done by Eng Const department and the work is divided into two stages, the first stage being the highest priority locations based on the previous ILI results and expected peaks. •The work is related to both CSA Z662/C22.3 and internal policy compliance. There is one location which exceeds the CSA thresholds for Health and Safety concerns. •Since the pipeline is susceptible to AC-Induced corrosion, the more we wait the higher risk we are accepting. I briefly reviewed the ILI results for this pipeline and compared the two runs (2012 and 2019) and it seems like we are seeing accelerated corrosion growth related to AC interference. The 2012 ILI results is not high quality as it is identifying a lot of internal corrosion that are not included in 2019 results (19 in 2012 vs 1 in 2019); however, the number of all metal loss anomalies (more than 10% depth and including internal ones) has grown from 23 to 94 since 2012 run. The deepest anomaly in 2019 run was at 46% which is concerning for a pipeline installed in 1991. Specifically, we have found three corrosion anomalies at around 50% depth which were not there in 2012 based on the ILI results and our digs (we have pictures of the same area showing no corrosion or minimal corrosion). The corrosion growth rate is the fastest growing AC-induced anomaly ever seen in Enbridge Gas. •The pipeline is operating at 27% SMYS (very close to Transmission threshold which is 30% SMYS) and runs completely in an urban area (GTA East).	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Pass	733619	NPS 12 Owen Sound Reinforcement Retrofit	2027	$	3,566,540	Project-Specific: External Corrosion Direct Assessment (ECDA) to In-Line Inspection (ILI) Program, supporting refinement of pipeline risk profile. Associated 2027 Operations and Maintenance (O&M) spend for ILI. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30% SMYS. It includes installation costs for permanent ILI tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Pass	502637	NPS 6 Iroquois Falls Lateral Retrofit	2026	$	3,526,722	Issue/Concern/Opportunity: Retrofit of 1958 vintage NPS 6 pipeline for inline inspection. Approx 5.8 km in length. Launcher at Hopkins Road, receiver at Iroquois Falls TBS. Rebuild valve nest at Iroquois Falls Compressor Station. Justification: TIMP retrofit Assets: NPS 6 Iroquois Falls Lateral Related Investments: None	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Pass	734921	NPS 8 Augusta	2026	$	3,526,722	Project Specific: ECDA to ILI program, supporting refinement of pipeline risk profile. Associated 2027 O&M spend for ILI. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections. The ProjectWise Link for the document is available here: pw://pwintegration.gtna.gt.ds:TRM_PROD/Documents/D{572e41eb-0dca-4d72-8650-0882a8b11ecf}	Fail	See investment description, IRPAs not applicable
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Pass	733734	NPS 6 Dupont	2026	$	3,425,133	Project-Specific: External Corrosion Direct Assessment (ECDA) to In-Line Inspection (ILI) Program, supporting refinement of pipeline risk profile. Associated 2025 Operations and Maintenance (O&M) spend for ILI. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30% Specified Minimum Yield Strength (SMYS). It includes installation costs for permanent ILI tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Head Office/All	00 - Head Office	Distribution Pipe	Pass	748916	2028 EDIMP ILI Retrofits and Pipeline Repairs (EGD)	2028	$	3,264,004	Issue/Concern/Opportunity: There are pipelines in the EDIMP program that need further analysis and inspection to be able to determine their conditions (fitness for service) and risk & reliability. The retrofits would make it possible to inspect a pipeline utilizing crawler or similar tools. Justification: Retrofitting the pipeline to be able to perform inspections. Some repairs may be required as a result of ILI and validation digs findings. The inspection results and corresponding integrity assessments can be utilized for future capital investment optimization. Assets: Various (EGD) Related Investments:	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass	746222	NPS 6 Picton Line Lowering	2025	$	3,258,988	General: In compliance with the TSSA Code Adoption Document, EGI has an annual depth of cover survey program for all 30 per cent SMYS pipelines. This project covers the lowering of 520 m of NPS 6 steel main on the picton line. The line has areas of cover less than 60 cm in agricultural land which requires remediation per the TSSA.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass	741487	NPS 3 Long Sault MOP Downgrade	2025	$	3,155,224	Project Specific: Downgrade the NPS 3 Long Sault MOP Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. This first phase of the project was completed last year. TIMP is currently developing plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones.	Fail	See investment description, IRPAs not applicable
Head Office/All	00 - Head Office	Distribution Pipe	Pass	748913	2028 EDIMP ILI Retrofits and Pipeline Repairs (UG)	2028	$	3,148,470	Issue/Concern/Opportunity: There are pipelines in the EDIMP program that need further analysis and inspection to be able to determine their conditions (fitness for service) and risk & reliability. The retrofits would make it possible to inspect a pipeline utilizing crawler or similar tools. Justification: Retrofitting the pipeline to be able to perform inspections. Some repairs may be required as a result of ILI and validation digs findings. The inspection results and corresponding integrity assessments can be utilized for future capital investment optimization. Assets: Various (UG) Related Investments:	Fail	See investment description, IRPAs not applicable

GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Pass		742395	NPS 24 & 36 MSL Pipeline AC Mitigation	2025	$	3,119,759	Scope Install a mitigation system consisting of a total of 2295 m of 2/0 copper mitigation wire, connected to the pipelines through decouplers at 21 locations, complete with 77 zinc anodes to cathodically protect the copper wire. The monitoring system with a total of 11 AC coupons and 11 DC coupons installed (at existing test posts where possible) and 3 new test stations along the MSL NPS 36 and NPS 24 pipelines, to facilitate the monitoring of AC current densities. Business Driver •The work is related to AC mitigation since the pipeline resides in HVAC line ROW and is susceptible to AC-Induced corrosion and AC-Induced voltage. •The estimate is done by Eng Const department and the work is divided into two stages, the first stage being the highest priority locations based on the previous ILI results and expected peaks. •The work is related to both CSA Z662/C22.3 and internal policy compliance. There is one location which exceeds the CSA thresholds for Health and Safety concerns. •Since the pipeline is susceptible to AC-Induced corrosion, the more we wait the higher risk we are accepting. I briefly reviewed the ILI results for this pipeline and compared the two runs (2012 and 2019) and it seems like we are seeing accelerated corrosion growth related to AC interference. The 2012 ILI results is not high quality as it is identifying a lot of internal corrosion that are not included in 2019 results (19 in 2012 vs 1 in 2019); however, the number of all metal loss anomalies (more than 10% depth and including internal ones) has grown from 23 to 94 since 2012 run. The deepest anomaly in 2019 run was at 46% which is concerning for a pipeline installed in 1991. Specifically, we have found three corrosion anomalies at around 50% depth which were not there in 2012 based on the ILI results and our digs (we have pictures of the same area showing no corrosion or minimal corrosion). The corrosion growth rate is the fastest growing AC-induced anomaly ever seen in Enbridge Gas. •The pipeline is operating at 27% SMYS (very close to Transmission threshold which is 30% SMYS) and runs completely in an urban area (GTA East).	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Pass		741994	NPS20 KOL Parliament St. Relocation	2028	$	3,119,427	A portion of NPS20 KOL Parliament St. is installed with low depth of cover with approval from engineering with additional protection for pipe installed under the sidewalk due to site limitations and potential permitting constraints related to drilling under the bridge's foundation. This investment is created to access the current installation and evaluate if the segment (100m) can be left "AS INSTALLED (in C55#740604)" OR consideration needs to be made to install the pipeline under the bridge's foundation with increased depth of cover.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Pass		747582	2025 NPS 30 Don Valley Integrity Digs	2025	$	2,939,773	Issue/Concern/Opportunity: ILI on NPS 30 results determine metal loss on NPS 30 pipe in 3 locations Justification: Investigation for potential repair required to determine if actual metal loss as occurred Assets: Distribution Pipe (NPS 30) Related Investments:	Fail	See investment description, IRPAs not applicable
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Pass		48382	BRAN: Services – Replacement	2025	$	2,791,423	The service relay account is for the annual district capital blanket budgeted for maintenance requirements associated with individual customer services that require replacement or repair due to their age and condition.	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Pass		738676	Sudbury Lateral Duschany	2027	$	2,690,793	Project Specific: Replace 2115m NPS 10 on Sudbury. General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development occurs in close proximity to EGI's pipelines which triggers annual class location changes; this work ensures EGI is compliant and fosters the safety of the public and the pipeline system.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass		742686	NPS 4 New Liskeard MOP Downgrade	2025	$	2,639,665	Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. This first phase of the project was completed last year. TIMP is currently developing plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones. Scope description: In the Independent Asset Integrity Review (IAIR), this pipeline was highlighted for high hazard uncertainties associated with the vintage ERW seam. These hazards cannot be assessed with existing ILI technology which is limited to NPS 6 pipe and larger. Downgrading and odorizing the pipeline would mitigate the high uncertainties associated with the vintage ERW seam and remove the pipeline from TIMP. Downgrade MOP from 1000 psi to 689 psi by installing a regulator at the CMS. Modify the New Liskeard TBS to accommodate the new station inlet pressure as needed; existing regulators may require replacement.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Pass		747577	2025 Picton Integrity Digs	2025	$	2,565,322	2025 forecast: ILI digs estimated based on previous years inspection plan. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Pass		1289	Thurlow MOP Downgrade	2025	$	2,503,616	Downgrade the NPS 6 Thurlow MOP from 1000 psi to 609 psi by adding regulation at Thurlow CMS. Modify Airport Rd TBS and Elmwood TBS to accommodate the new station inlet pressure as needed; existing regulators may require replacement. A small segment of pipe between TCE and ENB metering stations may be replaced as part of this project. Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. TIMP is currently developing plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones. The ProjectWise Link to the scope is available here: pw:\\pwintegration.gtha.gt.ds:TRM_PROD\Documents\.Transmission Pipelines\Thurlow Township NPS6\2025 MOP Downgrade\	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Pass		748831	NPS 8 East Valley Integrity Dig HDD	2026	$	2,496,161	General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections. NPS 8 East Valley Lancaster to Alexandria pipeline was inspected in 2022 with dig program in 2023 and 2024. The 2024 Dig ID 4089 discovered numerous indications which required repair via cutout. Due to the vicinity of the dig to the railway track, a landing spot for the downstream stopple was not available. These features were temporarily repaired and require permanent repair via HDD Assets: NPS 8 East Valley Lancaster to Alexandria	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Pass		4792	Copper Service Replacement - Area 10	2025	$	2,388,591	The proactive Copper Services Replacement program aims to remove all outstanding active copper services and replace these assets with new plastic services and anodeless risers as part of the Service Relay program. Additionally, EGI will be monitoring condition-based and customer-related drivers that trigger the need to replace these assets. Condition-based drivers are monitored through existing activities of the DIMP, as well as the Leak and Corrosion Survey programs. Copper services are also replaced through proactive vintage mains replacement programs and relocation projects.	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Pass		48534	SUDB: Services - Replacement	2025	$	2,364,099	The service relay account is for the annual district capital blanket budgeted for maintenance requirements associated with individual customer services that require replacement or repair due to their age and condition.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Pass		742685	NPS 4 Smooth Rock Falls MOP Downgrade	2027	$	2,266,019	Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. This first phase of the project was completed last year. TIMP is currently developing plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones.	Fail	See investment description, IRPAs not applicable
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Pass		2147	Brantford North - McLean School Road	2026	$	2,259,332	Project Specific: Brantford North - McLean School Road - 530m of NPS 12. Campground. Class 1 to 2. General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development occurs in close proximity to EGI's pipelines which triggers annual class location changes; this work ensures EGI is compliant and fosters the safety of the public and the pipeline system.	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Pipe	Pass		733736	NPS 6 Customer Retrofit	2028	$	2,234,270	Project-Specific: External Corrosion Direct Assessment (ECDA) to In-Line Inspection (ILI) Program, supporting refinement of pipeline risk profile. Associated 2024 Operations and Maintenance (O&M) spend for ILI. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30% Specified Minimum Yield Strength (SMYS). It includes installation costs for permanent ILI tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools. and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Pipe	Pass		48355	LOND: Dist-Repl-Compy-Services	2025	$	2,223,154	The service relay account is for the annual district capital blanket budgeted for maintenance requirements associated with individual customer services that require replacement or repair due to their age and condition.	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Pass		2146	Sudbury Lateral - East of Jocko Point	2025	$	2,205,582	Project Specific: Sudbury Lateral - East of Jocko Point - 500m NPS 10 river crossing Class 1 to 2. General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development occurs in close proximity to EGI's pipelines which triggers annual class location changes; this work ensures EGI is compliant and fosters the safety of the public and the pipeline system.	Fail	See investment description, IRPAs not applicable
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Pass		748829	NPS 10 Dominion East Culvert Geohazard Remediation	2027	$	2,175,646	Issue/Concern/Opportunity: A failing concrete culvert that crosses our pipe is causing significant ground erosion creating a gully that's encroaching towards our NPS 10 Dominion East line which will eventually cause it to become exposed and span unsupported across the gully. Project scope would be to replace the concrete culvert and armour the eroded gully with riprap to prevent further erosion. Assets: NPS 10 Dominion East	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Pipe	Pass		738674	London West NPS 12	2027	$	2,152,634	Class Location Replacement - Replace 868m NPS 12 General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS, unless previously designed, tested, operated, and maintained for a Class 4 location. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development which occurs in close proximity to EGI's pipelines typically triggers class location changes. An annual budget is required for EGI's pipeline system in order to meet the current standard requirements. Remediation includes pressure testing, installation of valves, remediating depth of cover issues, and pipeline replacement. This work ensures EGI is compliant and fosters the safety of the public and EGI's pipeline system.	Fail	See investment description, IRPAs not applicable
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Pass		734062	Campbell St Station (ILI receiver site)	2028	$	2,151,324	Issue/Concern: Existing station footprint could not facilitate future in-line inspection (ILI) work. Receiver will need to extend outside of station onto adjacent private property. New property owner plans to build hostel on the property which might not be able to accommodate EGI's temporary working space needs for any ILI activities beyond 2018/2019. New station must be in place by 2024 (or 6 years from the next successful ILI). For permanent relocation of station to a location upstream from current location: Land of at least 30mx40m to accommodate removal of pigs from the receiver and room for parking on-site to support current operations; a new station will be rebuilt in the new location to meet current and future flows; a boiler and heat exchanger system is required to preheat the gas; NPS 6 ST IP and/or NPS 6/8 XHP main extension (length TBD) is required to tie the new site tie back to the existing network; the section of NPS 8 XHP downstream of the new station location will NOT be replaced and will be inspected using a crawler tool. Assets: Campbell St Station, NPS 8 Barrie to Collingwood line Related Programs: Integrity Management Program	Fail	See investment description, IRPAs not applicable
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	4766	AMP Fitting Replacement - Area 40	2025	$	5,954,530			
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	102425	Relocation Program - Area 80	2025	$	5,846,042			
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	48323	CHAT: Dist-Repl-Contr-Services	2025	$	5,611,557			
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	740712	HAMI: Leakage Replacement Blanket	2025	$	4,031,287			
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	3430	Anode Blanket - Area 10	2025	$	3,794,339			

GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	4663	Replacement Blanket - Area 40	2025	$	3,369,189
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	48580	NE: Dist-Repl-Contr-Mains Municipal	2025	$	3,324,280
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	4661	Replacement Blanket - Area 20	2025	$	3,243,886
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	48409	WATE: Anodes	2025	$	3,200,063
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48364	LOND: Anodes	2025	$	3,141,358
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	4671	Anode Blanket - Area 60	2025	$	2,920,174
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	48302	WIND: Anodes	2025	$	2,736,925
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	740717	WIND: Leakage Replacement Blanket	2025	$	2,571,419
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Fail	Dollar Threshold	102421	Relocation Program - Area 30	2025	$	2,538,972
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	740714	LOND: Leakage Replacement Blanket	2025	$	2,445,224
Head Office/All	01 - All	Distribution Pipe	Fail	Dollar Threshold	6124	Depth of Cover Mitigation Program	2028	$	2,389,846
Head Office/All	00 - Head Office	Distribution Pipe	Fail	Dollar Threshold	736835	TIMP Geohazard Mitigation (LEGD)	2027	$	2,371,425
Head Office/All	01 - All	Distribution Pipe	Fail	Dollar Threshold	503432	Bridge Crossing Repair Program	2026	$	2,231,887
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Fail	Dollar Threshold	503431	Bridge Crossing Repair Program	2026	$	2,178,883
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733448	TOR10YR - Evans Ave Replacement- Network # 123_368_373	2029	$	2,099,183
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	30188	Prince St-Bowmanville-1846	2029	$	2,093,240
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	30092	Ross St - Area 50 - 1210	2030	$	2,083,524
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	30085	Ferris Ln - Area 50 - 1201	2030	$	2,073,696
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	738675	Sudbury Lateral Sturgeon Falls	2028	$	2,072,823
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	739903	HAMI: Ancaster - Hamilton - VSM - Phase 1 - 2027	2027	$	2,050,068
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30360	James St - Eastern - Area 60 - 1112	2029	$	2,043,133
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30355	Hamilton St - Eastern - Area 60 - 1056	2028	$	2,042,057
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48811	LOND - Jacqueline BU - London	2026	$	2,040,925
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	30269	Div. 06 - Tillsonburg - Potters Rd - VSM - Southeast - Waterloo - 1375	2029	$	2,039,808
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	48242	Kelly Lake Inco Line	2029	$	2,038,822
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	30402	Haldimand - Selkirk - Erie St S 1 - Hamilton - 1854	2028	$	2,034,807
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	49747	WIND: Tecumseh Rd W, Windsor, Replacement	2028	$	2,031,766
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735819	TOR10YR - Bay Mills and Birchmount Services Replacement - Network # 455	2029	$	2,021,340
Halton Area 17 UGL	Div_17 - Halton	Distribution Pipe	Fail	Dollar Threshold	503196	HALT: Anodes	2025	$	2,017,767
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733683	TOR10YR - Weston - Verobeach and Belleglade Replacement	2028	$	2,003,656
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	30432	North Alley-Ganonoque-1468	2028	$	1,997,451
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30339	Bell St - Eastern - Area 60 - 1052	2027	$	1,989,600
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	738059	Haldimand - Selkirk - Erie St S - Hamilton - 1853	2028	$	1,988,882
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48856	LOND - PH 2 Stevenson & Bydges BU - London	2027	$	1,981,574
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	30120	Gordon St_GTA West_Area 20_1227	2028	$	1,979,012
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	48517	THUN: Anodes	2025	$	1,965,790
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	4669	Anode Blanket - Area 40	2025	$	1,956,934
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	48576	NBAY: Services - Replacement	2025	$	1,951,169
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	735948	AR40: VSM Replacement - Wilson Rd S Oshawa Ph 1 Dieppe Ave to Olive Ave	2026	$	1,950,724
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30349	Emily St - Eastern - Area 60 - 1101	2027	$	1,944,503
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	4667	Anode Blanket - Area 20	2025	$	1,938,389
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	30111	Z74, NRP - HNS Queens Park B, 2023 - 2025 - 1652	2029	$	1,938,045
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	30131	Sproule Dr 2 - GTA West - Area 20 - 1677	2029	$	1,923,276
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	30018	Wallace Ave - Southwest - Windsor - 1350	2030	$	1,919,961
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	30010	Delaware Ave - Southwest - Windsor - 1364	2028	$	1,907,572
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	48442	HAMI: Anodes	2025	$	1,904,005
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735792	VSM - Firestone Road - 2" ST - PH2	2026	$	1,882,643
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	30267	Div. 06 - Tillsonburg - Brownsville Rd - VSM - Southeast - Waterloo - 1391	2029	$	1,870,345
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	4673	Anode Blanket - Area 80	2025	$	1,867,232
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733681	TOR10YR - Weston - St Lucie Replacement	2027	$	1,858,148
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	30187	Poplar Ave 2 - Ajax - Area 40 - 1681	2029	$	1,856,494

Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735822	TOR10YR - Scarden and Tourmaline Replacement - Network # 455	2030	$	1,856,221
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	738323	Byng Ave 2-Kapuskasing-1851	2027	$	1,843,542
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	30144	Finlayson St-Thunder Bay-1870	2028	$	1,842,887
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	7604	A10: Kipling Ave & Lake Shore Blvd W, Etobicoke, PH2 Replacement	2026	$	1,842,863
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	746640	NPS 2 Englehart MOP Downgrade (IAIR)	2026	$	1,837,747
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30346	Elm St E - Eastern - Area 60 - 1147	2030	$	1,832,920
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	736585	NPS 8 Leamington North (South Section) Retrofit	2026	$	1,825,951
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735839	TOR10YR - Colingwood and Dempster Replacement - Network # 455	2030	$	1,819,449
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	733714	NPS 6 Hawtrey Trans. Station Take-off Replacement	2027	$	1,799,435
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	749097	CHAT: Chatham 55 Aerial Crossing, Chatham, Replacement	2025	$	1,798,657
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735821	TOR10YR - Aragon and Malamute Replacement - Network # 455	2030	$	1,793,581
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	48524	TBAY: 33-21-600 Centennial Park Exposed NPS 8	2029	$	1,793,205
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733666	TOR10YR - Bellman to N Carson Replacement-Network # 123_368_373	2029	$	1,788,047
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733800	TOR10YR - Weston - Coral Gable Replacement	2029	$	1,787,408
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733806	TOR10YR - Gaydon and Highbury Replacement Standardization - Network # 152_154	2029	$	1,786,824
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733447	TOR10YR - Parklawn - Aldercrest to Lunness North Replacement	2028	$	1,785,520
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	738325	Circle St 2-Kapuskasing-1848	2027	$	1,784,407
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Fail	Dollar Threshold	741485	NPS 4 Tupperville IAIR Abandonment	2025	$	1,779,445
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30390	Trenton Ave - Eastern - Area 60 - 1181	2029	$	1,778,203
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48891	LOND - Fellner & Langmuir, Ashland & Wilton BU - London	2028	$	1,773,261
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	30028	Morand St - Southwest - Windsor - 1656	2030	$	1,769,390
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733679	TOR10YR - Albright and Roseland Replacement-Network # 123_368_373	2030	$	1,764,124
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	30196	Windsor Dr-Ajax-1193	2028	$	1,752,205
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	48336	SARN: Dist-Repl-Contr-Services	2025	$	1,750,923
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30383	Riordon Ave - Eastern - Area 60 - 1102	2030	$	1,737,829
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733805	TOR10YR - Starview and Weston Replacement Standardization - Network # 152_154	2030	$	1,731,730
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	733722	NPS 12 Kirkwall-Dominion Tie-over	2027	$	1,727,860
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	735641	Brantford Transmission Station Take-off Retrofit ECDA to ILI 2027	2027	$	1,727,860
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30393	William St - Eastern - Area 60 - 1092	2028	$	1,719,131
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735501	TOR10YR - Ionview South Replacement - Network # 455	2029	$	1,718,203
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733674	TOR10YR - Eltham and Delma Replacement-Network # 123_368_373	2030	$	1,707,354
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	30037	Spring Garden Rd - Southwest - Windsor - 1658	2028	$	1,707,233
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	748975	HAMI: Mohawk and Upper Kenilworth NPS 4 Valve Leakage	2026	$	1,706,766
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	30204	Eyre St - Northeast - 1286	2027	$	1,703,305
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733804	TOR10YR - Yorkdale and Wallasey Replacement Standardization - Network # 152_154	2030	$	1,699,500
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	30033	Rholaine Dr - Southwest - Windsor - 1299	2028	$	1,698,024
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	740710	BRAN: Leakage Replacement Blanket	2025	$	1,696,632
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	30110	Z1193, NRP - HNS Brock Park B, 2024 - 2025 - 1613	2027	$	1,696,493
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	739905	Ancaster - VSM - Hamilton - Phase 2 - 2028	2027	$	1,695,715
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	48507	THUN: Dist-Repl-Compy-Mains Municipal	2025	$	1,695,592
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735847	TOR10YR - Birchmount North Ellesmere Replacement - Network # 455	2030	$	1,690,314
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733673	TOR10YR - Mitcham and Fulham Replacement - Network # 123_368_373	2030	$	1,688,642
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	49743	WIND: Riverside Aldyl A - Ph 1, Windsor, Replacement	2027	$	1,679,630
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	30071	Queen St LINC - Area 80 - 1150	2030	$	1,676,002
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	30105	Pr#58, NRP - 2023 - High Street - Collingwood - 1653	2030	$	1,669,795
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733682	TOR10YR - Weston - Gulfstream Replacement	2027	$	1,663,831
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	503161	TOR10YR - Parklawn A1 D - Beta and Aldercrest Replacement	2030	$	1,656,363
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	739461	Grand Marais Rd W - Southwest - Windsor - 2020	2027	$	1,652,657
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48917	LOND - Cheapside & Gammage BU - London	2026	$	1,650,074

Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30353	Gore St W - Eastern - Area 60 - 1097	2030	$	1,649,579
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735852	TOR10YR - Valentine and York Mills Replacement - Network # 455	2030	$	1,646,063
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	740713	KING: 22-YY-049 Leakage & Replacement Blanket	2025	$	1,643,106
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Fail	Dollar Threshold	741484	NPS 3 Ingleside MOP Downgrade	2025	$	1,637,024
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	503167	TOR10YR - Parklawn - Lanor and Valermo Replacement	2028	$	1,634,160
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	744286	SARN: Leakage Replacement Blanket	2025	$	1,632,983
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	30243	Div. 06 - Brantford - Dundas St E - Southeast - Waterloo - 1827	2028	$	1,632,113
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	48866	HAMI: Glassco Ave N, Hamilton, BU Replacement	2026	$	1,631,322
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733671	TOR10YR - Browns and Finsbury Replacement- Network # 123_368_373	2030	$	1,629,319
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	747158	NPS 4 Haileybury MOP Downgrade Phase 2	2025	$	1,627,351
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	7656	VSM - Bramalea and Balmoral Rd	2026	$	1,626,500
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	30089	Oak St 1 - Area 50 - 1654	2030	$	1,622,352
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30333	Ainsley Dr - Eastern - Area 60 - 1723	2029	$	1,616,593
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	734812	SUDB: RR 15 Property Line, Chelmsford, Replacement	2027	$	1,614,476
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	48590	NBAY: Anodes	2025	$	1,609,757
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30387	Spring St - Eastern - Area 60 - 1047	2029	$	1,586,939
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733678	TOR10YR - Sunset and Burlington Replacement- Network # 123_368_373	2030	$	1,583,422
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	49742	CHAT: Ridgetown LP, Ridgetown, Replacement	2026	$	1,571,031
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30374	Ogden Ave - Eastern - Area 60 - 1076	2030	$	1,568,561
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	Dollar Threshold	748825	NPS 4 Texas Gulf Concentrator Takeoff Replacement (IAIR)	2028	$	1,562,598
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	736506	A10: Wilson Avenue, Toronto, PE Main Installs	2028	$	1,562,232
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	48994	WIND: Laird & Centre MIP, Essex, Replacement	2028	$	1,560,198
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	1272	Brantford North Retrofit	2026	$	1,556,574
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	30250	Brantford - Ontario St - Southeast - Waterloo - 1840	2028	$	1,541,865
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	30260	Norfolk County Rd. 21 - Southeast - Waterloo - 1325	2027	$	1,541,318
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	741614	A80: Black Creek PH 4 MP (RL) main replacement	2026	$	1,540,158
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	30057	Hillcrest Ave STC - Area 80 - 1176	2029	$	1,521,330
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	503168	TOR10YR - Parklawn - Beta and Gamma North Replacement	2028	$	1,518,975
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733670	TOR10YR - Westhead Replacement- Network # 123_368_373	2029	$	1,518,783
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	49812	WIND: Oak St - Ph 2, Leamington, Replacement	2030	$	1,513,228
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	Dollar Threshold	748817	NPS 2 Calstock MOP Downgrade (IAIR)	2027	$	1,512,597
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	30272	Div. 06 - Tillsonburg - Victoria St - VSM - Southeast - Waterloo - 1324	2030	$	1,507,059
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	1282	Owen Sound Section 2 Retrofit	2029	$	1,506,506
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Fail	Dollar Threshold	746223	NPS 8 Dominion Line Lowering	2025	$	1,502,170
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	8258	A80: Woodington Rd, NFalls . VS Replacement	2026	$	1,489,592
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	503165	TOR10YR - Parklawn - Hallmark to Lunness Replacement	2029	$	1,487,190
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	503158	TOR10YR - Parklawn - Parklawn A1 F-Sheldon and Lunness Replacement	2028	$	1,486,703
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	736395	NPS 10 Dominion East Receiver	2026	$	1,479,899
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	741850	BRAN- Middleton Townline Rd Corroded Main Repl, Middleton	2027	$	1,466,668
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	733723	NPS 8 Dover Centre Retrofit	2025	$	1,464,966
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	48293	WIND: Dist-Repl-Compy-Services	2025	$	1,463,795
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	744287	WATE: Leakage Replacement Blanket	2025	$	1,456,709
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	733553	NPS 6 Imperial Oil Retrofit Phase 1	2025	$	1,439,579
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	30048	Burleigh Hill Dr - Area 80 - 1131	2028	$	1,428,181
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	30067	Niagara Wine Route 2 NOTL- Area 80 - 1191	2030	$	1,410,496
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	30022	Lanoue St - Southwest - Windsor - 1354	2027	$	1,398,077
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	4768	AMP Fitting Replacement - Area 80	2025	$	1,394,689
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	744272	CHAT: Leakage Replacement Blanket	2025	$	1,393,162
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	503160	TOR10YR - Parklawn -A1 B-Delta Replacement	2027	$	1,380,925

Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733675	TOR10YR - Browns Line at Horner Replacement-Network # 123_368_373	2030	$	1,370,239
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Fail	Dollar Threshold	100091	Corrosion Program Rectifier Groundbed	2025	$	1,355,016
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	747659	SARN Kember Ave and Brenchley St Replacement BU- Sarnia	2025	$	1,334,772
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735491	TOR10YR - Treverton & Stratton Replacement - Network # 455	2030	$	1,333,451
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	102672	Campbellford Replacement Phase 4 Kent St	2027	$	1,332,966
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735495	TOR10YR - Moorecroft and Sedgewick Replacement - Network # 455	2030	$	1,326,732
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	30139	Byng Ave 1-Kapuskasing-1850	2030	$	1,319,068
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	48817	HAMI: Sydenham Rd , Flamborough, BU Replacement	2026	$	1,316,880
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	101631	HAMI: Crestview Replacement, Ancaster, Leakage	2025	$	1,314,865
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	30208	Galt St 1 - Northeast - 1690	2029	$	1,306,000
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	735465	SUDB: Copper Cliff Replacement	2026	$	1,305,940
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	30154	OBrien Ave Ph 1-Kapuskasing-1856	2029	$	1,297,230
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	Dollar Threshold	748822	NPS 2 TCE-Keewatin Odorization (IAIR)	2027	$	1,286,570
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733802	TOR10YR - Lilac and Griffith Replacement Standardization - Network # 152_154	2029	$	1,280,133
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Fail	Dollar Threshold	30176	Yonge St 2 - GTA East - Area 30 - 1707	2029	$	1,277,197
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	30214	Janet St 1 - Northeast - 1699	2028	$	1,273,087
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733622	HAMI: Rainham Rd Ph1, Dunn, BP Replacement	2027	$	1,265,749
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	30140	Circle St 1-Kapuskasing-1847	2030	$	1,260,340
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	100693	King - King Street Replacement: VSM and Patches (Prescott)	2029	$	1,254,984
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	740716	THUN: Leakage Replacement Blanket	2025	$	1,249,309
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	744288	SUDB: Leakage Replacement Blanket	2025	$	1,241,442
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	30285	Creston Ave - Southwest - London - 1734	2028	$	1,240,097
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	503156	TOR10YR - Parklawn - Parklawn A1 C-Gamma Replacement	2027	$	1,232,940
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	30400	Div. 16 - Haldimand - Fisherville - Erie Ave N 2 - VSM - Hamilton - 1730	2030	$	1,230,709
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	102257	WIND: County Rd 27 Ph 2, Lakeshore, Replacement	2028	$	1,228,547
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733667	TOR10YR - Browns Evans Gair Replacement-Network # 123_368_373	2030	$	1,226,692
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735853	TOR10YR - Fenelon and Graydon Hall Replacement - Network # 455	2030	$	1,223,772
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	30052	Erie St STC - Area 80 - 1159	2030	$	1,216,759
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	48487	KING: Anodes	2025	$	1,209,252
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	7646	HR - 160-260 Chester Lee Blvd	2027	$	1,200,674
Head Office/All	00 - Head Office	Distribution Pipe	Fail	Dollar Threshold	745523	2026 EDIMP ILI Retrofits and Pipeline Repairs (EGD)	2026	$	1,199,277
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	749030	NPS 26 Keele to Alden Geohazard Remediation	2026	$	1,199,277
Halton Area 17 UGL	Div_17 - Halton	Distribution Pipe	Fail	Dollar Threshold	740711	HALT: Leakage Replacement Blanket	2025	$	1,199,011
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	48930	HAMI: Lock St E., Dunnville, BU Replacement	2025	$	1,191,570
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30352	George St - Eastern - Area 60 - 1088	2028	$	1,187,900
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733623	HAMI: Rainham Rd Ph2, Dunn, BP Replacement	2027	$	1,183,949
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	14147	Copper Service Replacement - Area 40	2025	$	1,182,400
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	30077	Summer St NFalls- Area 80 - 1137	2029	$	1,182,328
Head Office/All	01 - All	Distribution Pipe	Fail	Dollar Threshold	100225	Rectifier Program - All Areas	2026	$	1,178,009
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	2142	Sudbury Section 1 Sturgeon River	2024	$	1,173,532
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30388	Stanley Ave - Eastern - Area 60 - 1069	2029	$	1,172,340
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	744023	HAMI: Depew and CN Leakage, Hamilton	2025	$	1,166,693
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735498	TOR10YR - Bertrand and Birchmount Replacement - Network # 455	2030	$	1,163,381
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	48796	WIND: County Rd 27 Ph 1, Lakeshore, Replacement	2028	$	1,150,816
Head Office/All	00 - Head Office	Distribution Pipe	Fail	Dollar Threshold	745524	2027 EDIMP ILI Retrofits and Pipeline Repairs (EGD)	2027	$	1,148,871
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	501116	WATE: Dist-Repl-Compy-Services	2025	$	1,143,814
Head Office/All	00 - Head Office	Distribution Pipe	Fail	Dollar Threshold	745525	2026 EDIMP ILI Retrofits and Pipeline Repairs (UG)	2026	$	1,133,847
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	49721	CHAT: Base Line, Wallaceburg, Replacement	2025	$	1,132,125
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	49889	WIND: Caille Ave, Lakeshore, VSM Replacement	2027	$	1,118,298
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	30235	Brant - High St - Southeast - Waterloo - 1834	2028	$	1,115,221
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	746644	NPS 4 TCPL – Vermillion Bay Takeoff Replacement (IAIR)	2026	$	1,088,951
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	503159	TOR10YR - Parklawn - A1 E-Alderbrae and Hallmark Replacement	2027	$	1,085,179
Head Office/All	00 - Head Office	Distribution Pipe	Fail	Dollar Threshold	745526	2027 EDIMP ILI Retrofits and Pipeline Repairs (UG)	2027	$	1,076,317

GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	30109	Pr165, NRP - 2026 - Peel Street - Collingwood - 1617	2028	$	1,070,733
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Fail	Dollar Threshold	4668	Anode Blanket - Area 30	2025	$	1,069,519
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735492	TOR10YR - Mooregate and Treverton Replacement - Network # 455	2030	$	1,053,936
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733803	TOR10YR - Westin and Jasmine Replacement Standardization - Network # 152_154	2030	$	1,044,681
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	2698	Weston Rd & Imogene trespassing main	2025	$	1,044,490
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	30219	Laforest Ave - Northeast - 1270	2030	$	1,037,544
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	49510	Dartington Bay Bridge - NPS 2 Replacement	2028	$	1,036,411
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	30189	Prospect St-Bowmanville-1086	2030	$	1,035,205
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	30200	Colborne St W 1 - Northeast - 1682	2029	$	1,031,886
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	30065	Neff St PTC - Area 80 - 1165	2029	$	1,020,246
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	11127	Copper Service Replacement - Area 20	2025	$	1,016,130
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Fail	Dollar Threshold	103419	30: VSM - Major Mackenzie, Sussex To Newkirk, Replacement	2025	$	1,015,801
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	30029	Barton St - Southwest - Windsor - 1657	2030	$	1,012,082
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	502017	A80: Ridge Rd.N .Fort Erie, VS Replacement	2028	$	991,363
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	1794	NPS 10 Sudbury Lateral - Michaud Rd	2028	$	989,622
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733672	TOR10YR - Homer and Orianna Replacement-Network # 123_368_373	2030	$	983,871
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30376	Othello Ave - Eastern - Area 60 - 1096	2029	$	970,297
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	746426	Wilson Avenue (Dufferin - Billy Bishop) Replacement	2024	$	964,849
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30358	Highgate Rd - Eastern - Area 60 - 1166	2029	$	948,338
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	1267	Imperial Oil Cogen Retrofit	2025	$	938,856
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	737082	A80: Forkes Rd E, Port Colborne, VPE Replacement	2026	$	937,744
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	746085	LOND - Linwood BU - London	2027	$	925,065
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	30410	Div. 16 - Hamilton - Province St N - Hamilton - 1416	2029	$	918,700
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	748847	NPS 6 TCE-Picton Take-off Replacement (IAIR)	2028	$	913,753
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Fail	Dollar Threshold	4662	Replacement Blanket - Area 30	2025	$	902,015
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	100470	Bannerman Crt. and Nordic Crt, Whitby	2026	$	893,742
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	30080	Welland St PTC- Area 80 - 1173	2028	$	882,752
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733799	TOR10YR - Weston - Verobeach and Palms Replacement	2028	$	878,006
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	4765	AMP Fitting Replacement - Area 50	2025	$	855,336
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	748324	SARN Errol Rd W and Ellwood Ave Replacement BU Sarnia	2027	$	851,153
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48928	BRAN - Schafer Side Rd. Repl. BU - Norfolk	2026	$	846,758
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	745564	Don Valley Geotech Drill Project	2025	$	839,901
Halton Area 17 UGL	Div_17 - Halton	Distribution Pipe	Fail	Dollar Threshold	48458	HALT: Dist-Repl-Compy-Services	2025	$	835,772
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	740715	NBAY: Leakage Replacement Blanket	2025	$	831,838
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733654	HAMI: Upper Gage Ave, Hamilton, BP Replacement	2027	$	826,611
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	Dollar Threshold	744289	TIMM: Leakage Replacement Blanket	2025	$	810,625
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	503169	TOR10YR - Parklawn - Delta North Replacement	2029	$	805,093
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	Dollar Threshold	48572	TIMM: Indirect Materials-Replacements	2025	$	800,941
Head Office/All	00 - Head Office	Distribution Pipe	Fail	Dollar Threshold	745521	2025 EDIMP ILI Retrofits and Pipeline Repairs (UG)	2025	$	794,096
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	Dollar Threshold	748824	NPS 3 TCE-Dryden Replacement (IAIR)	2027	$	790,388
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30347	Elm St W - Eastern - Area 60 - 1726	2028	$	785,689
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	748849	NPS 10 TCE-English River Take-off Replacement (IAIR)	2028	$	784,408
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48849	BRAN - Otterville Rd. (James to Middleton) Repl. BU - Otterville	2027	$	783,860
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	30079	Victoria St STC- Area 80 - 1148	2028	$	780,385
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	48951	SARN - Errol Rd W & Newell St. Leakage - Sarnia BU	2027	$	778,636
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	48851	WIND: County Rd 31 & Essex County Rd 2, Lakeshore, Replacement	2026	$	777,338
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	48509	THUN: Dist-Repl-Compy-Services	2025	$	776,201
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	30183	Howard Ave 1 - Kawartha Lakes - Area 40 - 1692	2028	$	773,320
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	101214	SARN - Eastlawn Ave Replacement BU- Sarnia	2025	$	767,427
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	102673	Campbellford Replacement Phase 5 Pellissier St & Bridge St	2027	$	765,609
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	48781	WIND: Laird IP, Essex, Replacement	2026	$	748,992

Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	738603	NPS 8 Blandford Retrofit	2026	$	748,797
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	101193	SARN - Lakeshore Rd. BU Leakage - Sarnia BU	2026	$	747,205
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	746642	NPS 2 x 4 TCPL – South River TBS Takeoff Replacement (IAIR)	2026	$	742,899
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	747210	NPS 6 Imperial Oil Retrofit Phase 2	2026	$	742,899
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	48433	HAMI: Dist-Repl-Compy-Services	2025	$	740,255
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	737756	Replacment-Taunton Rd W and Coronation	2028	$	739,597
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	101543	LOND - SCLAIR Pipe Replacement- Mount Brydges	2030	$	718,897
Halton Area 17 UGL	Div_17 - Halton	Distribution Pipe	Fail	Dollar Threshold	49456	HALT-BronteCreekBridge-Oakville	2030	$	715,211
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	48954	HAMI: Rainham Road, Walpole BP Repl	2027	$	699,176
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	30190	Regent St - Kawartha Lakes - Area 40 - 1697	2028	$	694,972
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	733743	NPS 12 Guelph Reinf-Guelph Tie-over	2026	$	692,104
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	30232	Tanguay Ave - Northeast - 1280	2029	$	688,539
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	49752	WIND: Tecumseh Rd E - Ph3, Windsor, Replacement	2026	$	686,630
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48955	BRAN -Northern Ave. (Adams to Connaught) Repl. BU - Delhi	2026	$	686,149
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	102262	WIND: Woodslee, Lakeshore, Replacement	2027	$	684,037
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	748844	NPS 2 Canadore College PRS Take-off Replacement (IAIR)	2028	$	677,658
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	30099	000071, NRP - Wellington D2 - 2023 - 2025 - 1651	2027	$	650,814
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	502933	TOR10YR - Dubray to Cornelius Replacement Standardization - Network # 161_169_172	2030	$	649,088
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	48986	HAMI: Cheapside Rd Ph1, Walpole, BU Replacement	2026	$	645,805
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	503164	TOR10YR - Parklawn A1 A - Horner Replacement	2028	$	645,248
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	743698	CHAT: Dawn Mills Rd, Dresden, Replacement	2026	$	641,276
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	48771	SARN - Highway Dr and Lynwood Ave Replacement - Sarnia BU	2028	$	633,408
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	7639	A10: 46-68 Goodview Rd (North), North York, Noded Header Replacement	2025	$	628,512
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	Dollar Threshold	748826	NPS 2 TCE-Beardmore Takeoff Replacement (IAIR)	2028	$	622,728
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	739942	VSM - Firestone Road - 2" ST - Eastside	2025	$	616,402
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733652	HAMI: Hamilton Mountain East Ph2, Hamilton, BU Replacement	2026	$	611,198
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	747717	HAMI: 1831 Hwy 3, Moulton-Leakage	2025	$	600,513
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	749798	LOND Bayfield River Crossing Replacement - Bayfield	2025	$	599,552
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	30076	Shurie Rd - Area 80 - 1154	2028	$	597,282
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	48936	WATE - Hamilton St. Repl. BU - Cambridge	2025	$	596,691
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	739316	WATE - Knightswood Blvd Guelph General Replacement	2025	$	596,630
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	48831	SARN-Point Edward LP Leakage - Sarnia BU	2025	$	591,903
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	4664	Replacement Blanket - Area 50	2025	$	579,284
Halton Area 17 UGL	Div_17 - Halton	Distribution Pipe	Fail	Dollar Threshold	503061	Halt: Hairop drive, Milton, BU Replacement	2026	$	578,262
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48845	BRAN - Maple Blvd and Willow Beach Repl. - Port Ryerse	2027	$	577,930
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	30108	Pri62, NRP - 2025 - Cameron Street - Collingwood - 1616	2029	$	574,679
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	745517	2025 EDMP ILI Retrofits and Pipeline Repairs (EGD)	2025	$	573,556
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	Dollar Threshold	746641	NPS 2 Matheson TCE Takeoff Replacement (IAIR)	2026	$	572,822
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	7651	121 – 151 L'Amoreaux Dr Steel Header Replacements	2026	$	563,954
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Fail	Dollar Threshold	742687	NPS 10 Panhandle Walker Road Crawler Retrofit	2025	$	563,314
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	1702	Bloor St. W. & The Kingsway Replacement	2026	$	559,769
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	48910	HAMI: South Coast Dr, Walpole, BP Repl	2025	$	557,958
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	30104	Pri57, NRP - 2024 - Collins Street - Collingwood - 1614	2027	$	547,774
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	4670	Anode Blanket - Area 50	2025	$	547,506
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	502861	Morrison THP Replacement	2026	$	539,675
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	30074	Rose St - Area 80 - 1134	2028	$	535,623
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	48549	SUDB: Anodes	2025	$	533,553
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	503325	A80: Lundys Lane Reg. Rd 20 Niagara Falls, VS Replacement	2028	$	531,519
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	49511	WATE_Waterloo-3 Concession St. Bridge Crossing Cambridge General Replacement	2026	$	510,231
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	48256	INTE: Dominion East NPS 8: Retrofit for 2021 ILI	2021	$	504,881
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	23126	Concord St isolated Steel Replace with Main St PE, Ottawa	2029	$	499,768
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48923	LOND - Tecumseh Ave BU - London	2025	$	479,642

London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	749126	8" Goderich Line Exposure Replacement - Clinton	2025	$	479,642
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	748846	NPS 2 Verner TBS Take-off Replacement (IAIR)	2028	$	468,181
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	100505	HR - 200-250 Bridletowne Circle	2026	$	467,849
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	735817	TOR10YR - Bay Mills and Birchmount Replacement - Network # 455	2030	$	460,413
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48918	LOND - Wharncliffe & Baseline BU - London	2025	$	459,586
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	48782	WIND: Lacasse (St Denis to Tecumseh Rd E), Windsor, Replacement	2025	$	455,660
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	49722	WIND: Bertha Ave, Windsor, Replacement	2027	$	452,341
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	4666	Replacement Blanket - Area 80	2025	$	447,297
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	749751	CHAT: Electric Line Leakage, Chatham, Replacement	2025	$	441,900
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	747576	2025 NPS 10 Guelph Integrity Digs	2025	$	438,133
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	30332	Adelaide St - Eastern - Area 60 - 1828	2029	$	432,377
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	741950	LOND - The Parkway BU- London	2030	$	432,343
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	745914	SARN 947 Bentpath Line Aerial Crossing Replacement- Sombra	2025	$	431,678
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	100506	HR - 1040 Bridletowne Circle	2026	$	428,555
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	748418	SARN Petrolia Line and Mandaumin Rd Replacement- Enniskillen	2025	$	426,470
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48860	LOND - Cathcart & Inkerman BU - Ingersoll	2029	$	422,142
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	749092	WATE - 209683 Highway 26 NPS 6 ST 3450kPa Main Lowering	2026	$	417,129
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	746743	NBAY Victoria Crescent Bridge Pipeline Replacement	2026	$	413,854
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	Dollar Threshold	102490	TIMM: Anodes	2025	$	408,234
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	739778	HAMI: Hamilton-19 Westbrook Rd Bridge, Hamilton, Replacement	2025	$	404,789
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	739779	HAMI: Hamilton-20 Westbrook Rd Bridge, Hamilton, Replacement	2025	$	404,789
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	2562	Sheppard & Markham Compression Couplings	2027	$	399,078
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733621	HAMI: Main St E, Dunnville, BP Replacement	2027	$	393,185
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	739237	SARN- Petrolia Line and Telfer Rd Replacement- St Clair	2025	$	383,714
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48828	LOND-Sycamore & St Julien - London	2028	$	378,689
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	747574	2025 NPS 8 Chatham East Integrity Digs	2025	$	375,542
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	747575	2025 NPS 8 Dominion West Integrity Digs	2025	$	375,542
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	745497	SARN Murphy Rd at Exmouth St BU Leakage - Sarnia	2029	$	372,246
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	49746	WIND: County Rd 27 Ph 3, Lakeshore, Replacement	2027	$	371,905
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48956	BRAN - Connaught Ave. (Hwy 3 to Delcrest) Repl. BU - Delhi	2026	$	369,560
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48829	LOND - Dalmage & Wood BU - London	2029	$	366,904
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	748845	NPS 2 Betty Rd PRS Take-off Replacement (IAIR)	2028	$	366,735
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	48515	THUN: Indirect Materials-Replacements	2025	$	361,756
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	735537	HAMI: Steel Riser Replacement Proposal	2025	$	358,432
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48826	LOND- Whetter & Wellington BU - London	2025	$	356,944
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	747298	WATE - 209518 Highway 26 NPS 6 ST 3450kPa Main Lowering	2026	$	354,768
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48759	LOND - Talbot Line BU - Talbotville	2028	$	352,779
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48797	LOND - Kent & Central BU - London	2029	$	351,839
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	744129	BRAN- Second Concession Exposed Main Repl, Middleton	2026	$	351,493
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	745870	20-8023 Mclaughlin Rd N/ Queen St W Repair	2025	$	349,787
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	48553	NE: Whittaker St., Sudbury, Replacement	2027	$	347,217
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	100900	HAMI - Wentworth St N NPS 8 Foreign Utility Contact	2025	$	346,077
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	733733	NPS 10 Ford Essex Engine	2025	$	344,515
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	733801	TOR10YR - Weston - Bradstock to Veroboeach Replacement	2029	$	342,873
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	48937	WATE - Glen Morris (Selkirk to Stanley) Repl. BU - Cambridge	2026	$	332,456
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	736572	Shallow Main - High Street from Dunlop to Park St	2025	$	331,998
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	747807	NPS 20 Queensway Crawler in-Line Inspection	2025	$	323,975
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	736168	HAMI: Golf Links Rd Replacement Exposed 8" IP in Creek, Ancaster, Replacement	2027	$	322,895
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	734593	SUDB: Bancroft Dr and Bellevue Ave, Valves Replacement	2026	$	319,915
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	736516	3665 Flamewood Replacement Copper Relay	2025	$	318,933
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	30034	River View Line - Southwest - Windsor - 1381	2029	$	317,118
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	48970	HAMI: Conc 10, Walpole, BU Replacement	2026	$	316,332

Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	2334	Meadowvale & Sheppard CC Replacement	2026	$	316,212
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48850	BRAN - Norfolk St. (Dover to Dead End) Repl. BU - Otterville	2025	$	306,810
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	103520	Red Maple Dr Lincoln - 1-inch steel main replacement	2028	$	306,171
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	749764	45-25-653 TIMM Main St Kirkland NPS 2 Replacement	2025	$	303,029
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	743644	98 George Henry Blvd. North York - LP header replacement	2025	$	296,254
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	745287	20-8017 Amaranth Bridge Repair	2026	$	292,624
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	740848	SARN Oil Springs Line (Sarnia 10) Aerial Crossing Replacement- St Clair	2026	$	289,457
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	742155	20-8014 MAIN ST AND QUEEN ALTON (Repair)	2027	$	280,324
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48882	LOND - Tweedsmuir BU - London	2028	$	275,248
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	48581	NBAY: Dist-Repl-Comp-Services	2025	$	275,150
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	745857	HAMI: King St E, Hamilton, BU Replacement	2026	$	274,736
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	49729	WIND: Devonshire Rd, Windsor, Replacement	2027	$	274,210
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	743696	CHAT: Talbert St , Dresden, Replacement	2026	$	267,107
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	749376	Maitland & Erindale Main Replacement	2025	$	264,161
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	743462	Sarnia-4 Petrolia Line and Barretts Lane Bridge Repair	2027	$	261,545
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48881	LOND - Riverside Dr & Whamcliffe BU - London	2029	$	261,448
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	746943	King: Kingston Lateral CVT Abandonment #1165 Collins Bay Road	2025	$	251,812
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	739194	SARN - Vidal St Walking Bridge Valve Install - Sarnia	2029	$	251,084
Hamilton Area 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	749642	HAMI: Talbot St NPS 8 Valve Leak Replacement, Hamilton	2025	$	248,290
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	741862	LOND - LLRP 2024 - ISD Producer Stations (ROWE Enervi	2025	$	247,685
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	100744	King: 22-23-600 Collins Bay NPS10 Shallow Pipe	2024	$	244,617
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	749533	Montreal Rd & Center St Main Replacement	2025	$	243,497
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	746451	HAMI: Brant St E, Cayuga, BU Repl	2025	$	236,985
Halton Area 17 UGL	Div_17 - Halton	Distribution Pipe	Fail	Dollar Threshold	741907	Halt_8350 Esquesing line replacement	2025	$	236,044
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733645	HAMI: Rifle Range Rd, Hamilton, BP Replacement	2027	$	235,929
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	745582	A50: 9Line Rail Replacement	2025	$	235,150
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	48977	HAMI: Haldimand Rd 55, Walpole BP Repl	2027	$	232,484
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	741855	BRAN- Mohawk Street Repl BU, Brantford	2027	$	231,408
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	740474	CHAT: Jane Rd Leakage, Replacement, Thamesville	2025	$	227,652
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	748859	Cardinal Cogen AC Mitigation	2025	$	222,009
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	745495	SARN Church St and Mara St BU Leakage- Sarnia	2029	$	221,596
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48863	BRAN - Wellington St. E. (Dover to Oxford) Repl. BU - Otterville	2025	$	218,482
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	747806	NPS 20 Winston Churchill ILI	2025	$	215,983
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	740351	LOND - Briscoe & Mackay BU - London	2025	$	215,839
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	48779	WIND: Maidstone Ave & Talbot St, Essex, Replacement	2027	$	215,551
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48852	LOND - St Neots & Ridout BU - London	2029	$	211,232
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	740354	LOND - Metcalfe St & Regent Aband. BU - St Thomas	2029	$	211,232
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48833	BRAN - Concession Rd. 12 Repl. BU - Norfolk	2027	$	211,094
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	48479	KING: Dist-Replacement Company Services	2025	$	210,983
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	48541	SUDB: Dist-Repl-Comp-Services	2025	$	210,751
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	740540	WIND: Cty Rd 34 BU, Cottam, Replacement	2025	$	210,414
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733643	HAMI: Powerline Rd W, Ancaster, BU Replacement	2026	$	210,278
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	741884	WIND: Jefferson Rd, Replacement, Windsor	2024	$	209,843
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	1693	Bayview & Steeles CC Replacement	2025	$	206,897
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	748300	72 - 94 Timberbank Blvd. LP Header Replacement	2026	$	206,689
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	743373	Havenbrook - Low Pressure Header Replacement	2024	$	205,246
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	733836	SARN - Oil Heritage Rd and Douglas Line Exposed Main	2029	$	203,136
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Fail	Dollar Threshold	23827	Charles St Shallow Pipe	2025	$	202,191
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	102255	WIND: Bayshore Dr, Leamington, Replacement	2025	$	196,124
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733642	HAMI: Seneca Dr, Ancaster, BP Replacement	2027	$	195,890
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	48865	WIND: County Rd 2 & Riverside Rd, Lakeshore, Replacement	2027	$	194,025
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	745855	HAMI: Glenmount Ave, Hamilton, BU Replacement	2026	$	193,905
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	503048	HAMI: West Hamilton, Hamilton, BP Replacement	2027	$	193,737

London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	503339	LOND - Wonham St BU - Ingersoll	2029	$	191,786
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	741947	LOND - Avalon St BU - London	2028	$	186,953
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	743459	London-03 Coldstream Rd and Quaker Lane Bridge Repair	2026	$	184,817
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	734743	King: Bath and Gardiners Valve Replacement (Kingston)	2028	$	181,372
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	736400	A80: Johnston St, Port Colborne. VS Replacement	2025	$	179,492
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	502019	A80: Regional Rd 65, West Lincoln. Replacement	2028	$	178,299
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	745984	SARN 3540 Kimball Rd Dresser Replacement- Mooretown	2026	$	176,399
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48808	LOND - Church & Water BU - Beachville	2030	$	175,952
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	748719	THUN: Services – Replacement	2025	$	172,409
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	1692	Bayview & St. Leonards Compression Couplings	2026	$	171,956
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	734615	SUDB: Second Ave & Centre St, Espanola, Valve Replacement	2028	$	169,559
Head Office/All	01 - All	Distribution Pipe	Fail	Dollar Threshold	745654	LEG RMU Upgrade SG	2025	$	168,947
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	743711	Eastern-03 Cty Rd 40 - Cold Creek Repair	2024	$	168,910
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	745125	LOND - Finkle BU - Woodstock	2025	$	165,898
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Dollar Threshold	745592	A50: 17 King St Replacement	2027	$	162,747
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	101164	CHAT: Ridge St BU , West Lorne, Replacement	2025	$	161,880
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	749763	22-25-605 Strathcona Bridge Repairs Eastern 15	2025	$	161,238
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48913	LOND - Borden St. BU - London	2030	$	155,843
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	738990	33-23-604 TBAY - Oliver Rd - NPS4 - Exposed Main	2027	$	151,841
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	744302	Bridge Crossing Matheson St Kenora Northwest-07 (formerly Thunder Bay-04)	2024	$	151,099
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	739783	HAMI: Hamilton-2 Concession 4 Rd Bridge, Walpole, Repair	2025	$	150,971
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	502679	SARN- Duncan St Replacement BU - Brigden	2028	$	150,878
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	745861	HAMI: Beach Rd, Hamilton, BU Replacement	2026	$	150,863
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	742945	KING: 22-24-XXX Seymour St Bridge Crossing - Madoc - Eastern-11	2027	$	150,684
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	7649	HR - 201 Bridletowne Circle	2025	$	147,082
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48919	LOND - Putnam Rd. BU - London	2029	$	145,960
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48876	LOND - Summit & Oxford BU - London	2029	$	145,789
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	Dollar Threshold	742741	45-27-602 TIMM - NPS4 Exposed Main - Holtyre	2027	$	145,303
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	743738	Eastern-20 Long Sault Parkway Bridge Repair	2024	$	145,098
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	48953	HAMI: Hamilton Mountain East Ph1, Hamilton, BP Replacement	2027	$	144,226
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	101192	SARN - Vidal & Cromwell Leakage - Sarnia BU	2031	$	139,244
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48824	BRAN - St Patrick St. Replacement BU - Port Dover	2026	$	137,675
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	743405	22-24-613 Harmony Bridge Replacement (Eastern-6)	2025	$	137,458
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	739745	Sarnia Industrial Line Environmental Monitoring	2025	$	136,879
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	743713	Eastern-05 - Harmony Rd Bridge Repair	2027	$	133,463
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	Dollar Threshold	748551	WATE - 810 9th Ave E Owen Sound Leakage Replacement	2025	$	128,128
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	736468	A60: Boyce HP to IP	2026	$	125,924
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	102251	CHAT: Gordon St & Elm St, Chatham-Kent, Replacement	2026	$	125,702
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	100843	HAMI: 295 Dundas St E 6" ST IP Shallow Main Waterdown	2028	$	125,361
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48873	LOND - Burslem BU - London	2028	$	124,768
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	741854	BRAN- Dundas Street Repl BU, Brantford	2027	$	123,776
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	733732	NPS 12, 10 Baldoon Phase 1	2024	$	122,004
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	748958	TBAY Waverly and Agoma Valve Replacement	2025	$	120,953
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733626	HAMI: Haldimand Rd 20, Walpole, BP Replacement	2027	$	120,117
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	8202	Ottawa Gate Station - Integrity Retrofit > 30% SMYS	2022	$	119,991
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	Dollar Threshold	49816	WIND: Mersea Rd 2 - Ph 2, Leamington, Replacement	2024	$	119,910
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	746470	60-B-SV6 Kemptville Creek @ Bridge St. S. (Kemptville) Repair	2024	$	118,975
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	743730	Eastern-14 Newburgh Rd Napanee River Bridge Repair	2024	$	117,114
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	738989	SSM: 293 Bay Street, Sault Ste Marie, Rooftop Main	2028	$	116,969
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	749062	NGLT Cornwall Bridge repairs	2027	$	114,887
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48958	BRAN - Churchill (Connaught to Argyle) Repl. BU - Delhi	2026	$	114,249

Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	743426	A46 Sudbury Net New Rectifier Install	2025	$	114,217
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48935	BRAN - Colborne St. at Johnson Rd. Repl. BU - Brantford	2026	$	113,717
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	742942	KING: 22-27-XXX Rawdon St - Bridge Crossing Stirling (Eastern-07)	2027	$	113,013
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	734616	NE: Wellington St, SSM, Replacement	2026	$	112,563
Halton Area 17 UGL	Div_17 - Halton	Distribution Pipe	Fail	Dollar Threshold	741404	Bridge Crossing Concession 5 @ Grindstone Creek Halton-02	2025	$	111,399
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	735710	SARN- Zone St Leakage BU- Wyoming	2028	$	109,422
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733649	HAMI: Osler Dr @ Rail Trail, Dundas, BP Replacement	2027	$	108,923
Halton Area 17 UGL	Div_17 - Halton	Distribution Pipe	Fail	Dollar Threshold	503060	Halt: Avon Cres, Oakville, BU Replacement	2025	$	107,919
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	747236	30 Elm Dr E- rectifier	2025	$	107,078
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48929	BRAN - Lawrence Rd Repl. BU - Norfolk	2025	$	106,772
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	749524	NPS 10 Sarnia North - ILI launch (EDIMP)	2025	$	106,404
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail	Dollar Threshold	48325	CHAT: Dist-Repl-Compy-Services	2025	$	101,487
Head Office/All	00 - Head Office	Distribution Pipe	Fail	Dollar Threshold	749106	2025 EDIMP - NPS 10 Dawn West Pipeline	2025	$	100,145
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	745496	SARN Montcalm Ave and London Rd BU Leakage - Sarnia	2028	$	93,676
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	48939	HAMI: Haldimand Rd 12, Rainham, BP Replacement	2027	$	93,640
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	748756	EDIMP NPS 12 Fisher Ave Crawler ILI	2025	$	93,593
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	737504	33-22-610 TBAY - Margaret St at Balsam St - NPS6 Valve Repl	2025	$	93,432
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733632	HAMI: Port Maitland/Secord Rd, Dunnville, BP Repl	2027	$	92,994
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	736571	Wilson Rd and Taunton Rd, Oshawa Corrosion	2025	$	92,695
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	740506	NE: Ferguson St. Rooftop meterset relocation, North Bay	2027	$	92,133
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	100748	King: 22-22-617 Rooftop Piping 945 Gardiners Road - Cataraqui Town Centre	2027	$	91,487
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	502825	TBAY: 33-25-602 Ackland's / Dryden GM Main & Customer Station	2027	$	91,105
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733650	HAMI: Fleming Ave, Dundas, BP Replacement	2027	$	91,056
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	741361	BRAN- Bostwick Road Exposed Main Repl. Norfolk County	2026	$	90,708
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Dollar Threshold	749066	40-K04-048	2026	$	89,946
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	749067	60-A05-700 – 47 Spencer St, Ottawa	2026	$	89,946
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	749068	60-P02-010 – John St N, Arnprior	2026	$	89,946
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	746831	BRAN- Papple Rd Leaking Valve Repl, Brantford	2024	$	89,933
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	736704	NPS 30 Don River Post-Construction Monitoring	2026	$	88,917
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	48337	SARN: Dist-Repl-Compy-Services	2025	$	87,159
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	1691	Bayview & Post Compression Couplings	2026	$	86,970
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	501665	LOND - Murray St. BU - London	2029	$	85,529
London Area 64 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	48922	LOND - Lexington & Wharncliffe BU - London	2030	$	85,460
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	749049	Bracebridge-13 Liddard St	2026	$	85,039
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	749050	North Bay-73 Fourth Ave	2026	$	85,039
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	749051	Sudbury-77 Eyre St	2026	$	85,039
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	749054	Belleville- 23 Catherine St	2026	$	85,039
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	749065	Belleville-25 George St	2026	$	85,039
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Dollar Threshold	738889	Isolation Valve Mississauga	2026	$	83,949
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	739782	HAMI: Hamilton-31 Park St E Bridge, Dundas, Replacement	2025	$	82,771
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	734382	A-60 Bellfield St - Main Replacement	2026	$	82,616
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	Dollar Threshold	100504	A10: Kipling Ave & Lake Shore Blvd W, Etobicoke, PH1 Replacement	2021	$	81,112
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	49623	NBAY: 955 McKeown Ave, North Bay	2027	$	80,724
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	738993	33-23-605 TBAY - Ford St at Victoria Ave - NPS4 Valve Repl	2026	$	80,451
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	739780	HAMI: Hamilton-29 Alma St Bridge, Dundas, Replacement	2027	$	78,571
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	749046	80707-0034 - rectifier	2026	$	77,953
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	740346	HAMI: Depew and Industrial Valve Leakage, Hamilton	2024	$	76,853
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48904	BRAN - Windham St. Repl. BU - Simcoe	2025	$	76,704
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Dollar Threshold	100737	SUDB: Southview & Martindale, Sudbury, Valve Nest protection	2026	$	74,647
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	747772	A60: 1190 Richmond Replacement	2025	$	74,065
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	742907	A80: Park St. Rectifier, NFalls	2024	$	71,385
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	743780	60-B001 Greens Creek Bridge Repair	2024	$	71,385
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	Dollar Threshold	739598	33-23-606 TBAY - Main St - NPS4 Valve Repl - Geraldton	2026	$	71,138

Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	743425	A22 Port Hope Rectifier	2025	$	69,894
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	746220	:A16 Rectifier and Ground Bed – Stoney Creek-13	2025	$	69,894
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	Dollar Threshold	746221	A04 AC Mitigation – Dawn to Komoka Pipeline – Mt. Brydges	2025	$	69,894
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	49638	NBAY: 205 Main St E, North Bay	2026	$	69,315
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	Dollar Threshold	749865	22-25-606 Cat. Town Centre Block Valve Leak Repair	2025	$	67,138
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	Dollar Threshold	49627	New Liskeard Mall, New Liskeard	2029	$	66,609
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	48964	BRAN - Clyde St. and North Court St. Repl. BU - Norwich	2027	$	66,400
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	Dollar Threshold	743787	60-B-EV4 Mill Creek @ NW of King St (L'Original) Bridge Repair	2024	$	65,960
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733629	HAMI: Victoria Ave E, Dunnville, BP Replacement	2027	$	65,871
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733634	HAMI: Peacock Point, BP Replacement	2027	$	65,871
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Dollar Threshold	733658	HAMI: Stoney Creek, BP Replacement	2027	$	65,871
London Area 64 UGL	Div_04 - London	Distribution Pipe	Fail	Dollar Threshold	741949	LOND - Easy St BU - London	2029	$	65,442
Halton Area 17 UGL	Div_17 - Halton	Distribution Pipe	Fail	Dollar Threshold	503030	Halt: King St, Oakville, BU Replacement	2025	$	65,157
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	Dollar Threshold	741857	WATE- Blair Road Repl. BU, Cambridge	2027	$	60,274
Halton Area 17 UGL	Div_17 - Halton	Distribution Pipe	Fail	Dollar Threshold	742342	Halt_1215 Pinegrove shallow main replacement	2025	$	59,955
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	Dollar Threshold	746464	A80: Ball Ave, Replacement, St. Catharines	2025	$	58,840
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail		743712	Eastern-04 - Glen Miller Bridge - Trent River Repair	2025	$	58,245
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail		745264	20-B003 Lakeshore Rd Bridge Repair	2026	$	57,961
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail		743788	60-B-EV9 Raisin River @ Bridge St. (Williamstown) Bridge Repair	2026	$	57,565
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail		743783	60-B008 Rideau River @ Porter's Island Bridge Repair	2027	$	57,444
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail		49624	NBAY: 198 Hughes Rd, North Bay	2026	$	56,010
Northweste rn Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail		735679	45-22-000 TIMM Grierson Rd Valve Replacement	2026	$	55,615
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail		48984	HAMI: Mohawk Rd E, Hamilton, BP Replacement	2027	$	54,246
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail		733656	HAMI: Barnaby St /Waterloo St, Hamilton, BP Replacement	2027	$	54,246
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail		101047	A20 Rectifier Ground Bed - Lakeshore Rd. W.	2026	$	53,539
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail		742876	A20 Rectifier & Groundbed - Steeles Ave, Brampton	2025	$	53,539
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail		743422	A60 Rectifier Install Ottawa Hunt Club Rd	2024	$	53,539
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail		743732	Eastern-18 Main St South Mountain Bridge Repair	2028	$	50,784
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail		100928	HAMI: Park St, Jarvis BP Repl	2027	$	50,372
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail		48983	HAMI: Park St S, Hamilton BP Replacement	2027	$	48,219
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail		742153	20-B008 MISSISSAUGA RD CREDIT RIVER (Repair)	2026	$	47,971
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail		746042	HAMI: East 17th St Leakage Repl, Hamilton, Leakage	2025	$	47,964
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Pipe	Fail		742903	A02 Rectifier & Ground Bed - 1458 County Rd 27, Belle River	2024	$	46,596
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail		48966	BRAN - Carmen St. Repl. BU - Norwich	2026	$	46,127
Northweste rn Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail		744397	Bridge Crossing Hwy #11 East Bridge (Kapuskasing) Northwest-15 (formerly Timmins-04)	2024	$	42,519
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail		743506	10-B008 West Don River Bridge Repair	2027	$	42,508
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail		23147	Toronto Island NPS 2 Feed Relocation	2025	$	42,347
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail		100557	A10: Brimley Rd & St. Clair Ave, Toronto, Valve Replacement	2021	$	42,347
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail		733659	HAMI: Burlington St E, Hamilton, BP Replacement	2027	$	41,761
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail		49719	WIND: 2200 - 2204 County Rd 27, Lakeshore, Replacement	2028	$	41,656
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail		743785	60-B012 Rideau River @ Bridge St. (Manotick) Bridge Repair	2024	$	41,641
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail		745763	60-B-NV3 Bonnechere River @ Stewart St. (Renfrew) Bridge Repair	2024	$	39,262
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail		745265	20-B007 Queen St E Bridge Crossing Repair	2026	$	38,977
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail		733647	HAMI: Melvin Av, Hamilton, BP Replacement	2027	$	38,747
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail		49621	NBAY: 128 McIntyre St W, North Bay	2026	$	37,324
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail		743729	Eastern-13 Centre St Napanee Bridge Repair	2028	$	37,311
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail		739811	BRAN-Spalding Drive Leak Repair, Brantford	2025	$	37,172
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail		742164	20-B018 MILL ST AND JOHN CALEDON (Repair)	2024	$	36,882
Northeaste rn Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail		49673	Kingsmount Blvd, Bannister Tees Replacement, SSM	2025	$	35,254
London Area 64 UGL	Div_04 - London	Distribution Pipe	Fail		742892	A04 Rectifier & Ground Bed - Wellington & York	2024	$	34,947

Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	733657	HAMI: Hamilton Core, BP Replacement	2027	$	34,873
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	501115	BRAN: Dist-Repl-Compy-Services	2025	$	34,625
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	733633	HAMI: Canborough Rd, Canborough, BP Reolacement	2027	$	33,151
Halton Area 17 UGL	Div_17 - Halton	Distribution Pipe	Fail	503028	Halt: Kingsway Dr. Burlington BU Replacement	2025	$	31,759
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	733609	HAMI: Cheapside Rd Ph2, Walpole, BP Replacement	2027	$	30,998
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	49607	LOND-London Lines Replacement	2021	$	30,885
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	736646	LOND - LLRP 2023 - ISD Producer Stations (Lagasco)	2024	$	30,750
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	733655	HAMI: Wellington St N /Wilson St, Hamilton, BP Replacement	2027	$	30,137
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	735796	NPS 12 Waterloo-Erbsville Take-Off Project, Dig Site 37	2024	$	29,551
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	745130	NPS 10 Sarnia South Line - Crawler ILI	2024	$	29,155
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	733631	HAMI: North Shore/Hutchinson, Moulton, BP Replacement	2027	$	29,061
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	749058	A10: 28 Welsford Gdns, Replacement	2025	$	29,038
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	741486	NPS 4 Haileybury MOP Downgrade Phase 1	2024	$	28,356
Northweste rn Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	739007	NPS 4 Holtyre Ramore IAIR Replacement	2024	$	27,614
Northweste rn Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	748279	TIMM: Services – Replacement	2025	$	27,461
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	48963	BRAN - Given Rd at Lyndoch Rd Repl. BU - Norfolk	2027	$	27,301
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Pipe	Fail	743383	30-B008 Beaver River Bridge Repair	2024	$	25,910
Northweste rn Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	744422	Kirkland Lake Lateral Replacement - CLEAN UP	2024	$	25,786
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	101194	SARN - Christina St at Highbury Pk Leakage - Sarnia BU	2024	$	25,252
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	741723	HAMI: 491 Upper Wentworth Leakage, Hamilton, Leakage	2023	$	23,982
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	733646	HAMI: Glen/Dromore, Hamilton, BP Replacement	2027	$	23,248
Northweste rn Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	48566	TIMM: Dist-Repl-Compy-Services	2025	$	23,158
Niagara Area 80 EGD	80 - Niagara	Distribution Pipe	Fail	22444	Niagara ILI Retrofits - Network 8980 & 8983 - NPS 8 & NPS 12	2023	$	22,798
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	738878	HAMI: Jackson St Valve Replacement, Hamilton, Replacement	2024	$	22,361
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	733498	Area 40 - New Rectifier - 40-M02-Trans	2023	$	22,115
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	733651	HAMI: Mohawk Rd W, Hamilton, BP Replacement	2027	$	21,957
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	745493	SARN St Clair Parkway at Bunker Ave BU Leakage-Corunna	2029	$	20,087
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	733648	HAMI: Hamilton East, BP Replacement	2027	$	19,374
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail	743755	NPS 6 Delhi Integrity Digs	2024	$	18,090
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	743819	NPS 12 Ottawa South OGS to Riverside	2024	$	17,999
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	733720	NPS 6 Shell Retrofit	2024	$	12,518
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	749406	22-25-602 King Pitt Rd Leak Repair - Kingston	2025	$	12,353
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	100691	King - Giant Tiger Tee Retirement (Napanee)	2029	$	12,052
Head Office/All	01 - All	Distribution Pipe	Fail	743758	NPS 12 Ottawa N - OGS to St Laurent Dist. Integrity Digs	2024	$	11,999
Eastern Area 60 EGD	60 - Ottawa	Distribution Pipe	Fail	743789	60-B-NV1 Petawawa River @ Petawawa Blvd Bridge Repair	2026	$	11,993
Northweste rn Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	739764	TBAY: Red River Road	2025	$	11,649
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	733644	HAMI: Woodbridge Rd, Hamilton, BP Replacement	2027	$	11,624
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail	747198	WATE - 1780 3rd Ave East Owen Sound Leakage Replacement	2025	$	11,550
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	743938	22-24-601 66 Bridge St Valve Replacement	2024	$	10,774
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	734706	King: Thin Wall and Copper Pipe Replacement (Various Locations in Area)	2027	$	10,763
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	744269	KING: 22-24-603 33 Parker St Leak Repair - Belleville	2024	$	9,517
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	748283	BRAN- 585 Colborne Street Freeze Off Repair, Brantford	2025	$	7,385
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail	101177	WIND: Tecumseh Rd E - Ph6, Windsor, Replacement	2025	$	6,488
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	49651	NBAY: Mattawa Bridge - North Bay 18	2024	$	6,142
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail	746665	BRAN-Easement Survey & Registration 2024-Simcoe	2025	$	5,876
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail	503239	A10: 21 Potsdam Rd, North York, HDR Replacement	2022	$	4,235
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	742941	22-24-602 Sidney St - Leak/Corrosion Repair	2024	$	1,971
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail	1183	INTE: Destec Retrofit	2025	$	297
Northweste rn Area 33 UGL	Div_33 - Thunder Bay	Distribution Pipe	Fail	739469	33-24-601 TBAY - Balsam St - NPS8 Main Repl - Thunder Bay	2024	$	275
Northweste rn Area 45 UGL	Div_45 - Timmins	Distribution Pipe	Fail	503380	TIMM: Timmins 33 Rectifier	2025	$	137
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Pipe	Fail	743427	A46 North Bay-85 Net New Rectifier Install	2024	$	103
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail	742822	SARN- Gypsie Flats Rd and Oil Springs Line Leakage - Oil Springs	2024	$	(541)

Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail			745946	BRAN- Lehman Dam Side Road Repl Restorations-Delhi	2024	$	(663)					
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail			741759	SARN 1513 Pantry School Rd Leakage- Dawn	2024	$	(847)					
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Pipe	Fail			746288	WATE - 119 Albert St Waterloo Leakage Replacement	2024	$	(941)					
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail			744322	SARN Gypsie Flats Rd Bridge Leakage- Oil Springs	2024	$	(1,002)					
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail			741849	BRAN- Highway 6 Leakage Repl, Woodhouse	2024	$	(1,145)					
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Pipe	Fail			48967	BRAN - King St. (Third to Fifth) Repl. BU - Tillsonburg	2024	$	(1,258)					
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Pipe	Fail			49007	WIND: Somme Valve, Windsor, Replacement	2024	$	(1,417)					
London Area 04 UGL	Div_04 - London	Distribution Pipe	Fail			733531	LOND - Waterloo St at Horton St Leakage BU-London	2024	$	(2,146)					
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Pipe	Fail			48846	SARN - Errol Rd E Leakage - Sarnia BU	2024	$	(14,558)					
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Pipe	Fail			741578	KING: 22-24-609 Newburgh Bridge Leak Repair - Main Street Eastern-16	2024	$	(85,645)					
Toronto Area 10 EGD	10 - Toronto	Distribution Pipe	Fail			745913	Lawrence Heights - header abandonment	2025	$	(91,992)					
Head Office Support	Div_54 - Head Office Support	Distribution Pipe	Fail			500515	TRANSIT: Dist-Repl-Mains Transit Relocation	2025	$	(5,197,212)					
Head Office/All	01 - All	Distribution Pipe	Fail	Dollar Threshold		102428	Relocation Program - Transit	2025	$	(29,539,419)					
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Pipe	Fail	Emergent Safety		49633	SUDB: Mackenzie St Replacement, Sudbury	2025	$	3,042,788					
GTA West Area 50 EGD	50 - Barrie	Distribution Pipe	Fail	Emergent Safety		502369	A50: Big Bay Point VPM Aldyl A	2025	$	2,556,448					
GTA West Area 20 EGD	20 - Mississauga	Distribution Pipe	Fail	Emergent Safety		7660	VPM - Erin Township	2026	$	2,404,604					
GTA East Area 40 EGD	40 - Whitby	Distribution Pipe	Fail	Emergent Safety		102671	Campbellford Replacement Phase 3 Front St	2026	$	2,391,706					
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Pipe	Fail	Emergent Safety		739785	HAMI: Hamilton 17-1&2 Rainham Rd Dunn/Byng Bridge, Dunnville, Replacement	2026	$	2,274,220					
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Stations	Pass			103426	BRAN- 16U-601 Brantford Gate Station, Station Rebuild(Capital Maintenance)	2026	$	14,020,744	The Brantford Gate Station is located at 253 Governors Rd E in Brantford, Ontario originally constructed in 1956. The station has 3 pressure cuts; one 4960 kPa, three outlets at 1900 kPa and one 1240 kPa into a high pressure and intermediate pressure distribution system and is fed from a lateral at 6160 kPa from Brantford trans/Galt Gate Station 17U301 Transmission Pipeline. The station supplies gas to 54,000 customers (including 20 contract sites). If the station were to be lost we would need to interrupt Stelco & IOL, retract their overruns (if applicable), and possibly request above contracted volumes from TCE if they were available. Issue/Concern/Opportunity: Rebuild entire station to address station integrity issues, maintenance/operational issues. The station has integrity and maintenance issues and requires rebuild to add capacity before 2031. The station is built on the west side of the property which is sloped, leading to issues with water in the spring and there is known Mercury contamination from past instrument use. It is proposed to relocate the station to the east side of the property which is land that is already owned by the Company. Dating back to 2015, the station has had 183 trouble calls/Emergencies from issues with the relief valves, boiler repairs, lost communications, to needing to make manual changes to the station set points for Gas Control. The station is designed with operator regulators and full capacity reliefs and the redesign will include a monitor operator configuration with a remote control valve on the 4960 KPA system that will avoid having to send a Technician to site and allow Gas Control to better manage flows in the network. The station has issues with noise. There used to be a regulator building but it was removed due to integrity concerns in light of the upcoming rebuild, which has been deferred since 2022. Since then the station has been out of compliance for Noise Emissions. FIMP Assessment discovered Significant Corrosion on the outlet header piping and had recommended station rebuild in 2022/2023. The pipe has not been reinsulated since the inspection. Telemetry & Electrical: The existing Electrical system does not meet current EGI electrical installation standards and the RTU building is not climate controlled. This poses a potential electrical hazard and faulty wiring may result in lost communications. A new natural gas generator for backup power will also be required. The pipeline requires ILI by 2027 date and by completing this rebuild at the same time as the ILI retrofit permanent facilities can be used. Related Investments – launcher/receiver installation Alternatives Due to the lack of space at the site, the station cannot be rebuilt on the existing footprint and needs to be relocated, as such the construction cannot also be	Fail	See investment description, IRPAs not applicable
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Stations	Pass			735540	LOND - 12F-501 Payne Kimball Rebuild	2029	$	9,591,419	Issue/Concern/Opportunity: 12F-501 Payne Kimball has obsolete Jetstream pressure regulation equipment. Obsolete pressure control equipment cold increase the risk of an overpressure or under-pressure scenario. Due to the regulators being obsolete, maintenance may be impracticle. There is no meter bypass and there are ergonomic concerns. The piping and equipment layout presents ergonomic concerns and limits the ability for an employee to perform work and could lead to a potential LTI and has been risk ranked as a Medium risk. Justification: Complete rebuild is required. Assets: 9S-147H is similar to Mersea Rd 11 Trans with Odourant, backup generator. Related Investments: Not applicable.	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass			502429	WIND-03D-301 Leamington North Gate Station - 2025	2025	$	7,385,976	Issue/Concern: The Gate & Feeder Station Replacement Program manages the proactive replacement of component groups with the highest probability of failure, non-compliant assets, and the realization of opportunities for multiple component group replacements per station location as required. The Leamington North Gate station has obsolete heating equipment and there are two boilers (circa 1985) that are problematic and have experienced glycol containment issues. The boiler controls have malfunctioned several times over the last 2/3 years. The station piping presents ergonomic concerns as some sections are at ankle height. This investment will deal with the Heating equipment. Investment # 743287 will consist of the remaining rebuild. Justification: Rebuild the station at the existing site; build a new IP station at a new location (essentially breaking the station into two new stations). Region will complete the IP portion of the station rebuild. Assets: 03D-301 Leamington North Gate Related Programs: N/A	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Stations	Pass			101556	2029 District Station Rebuilds Program	2029	$	7,288,283	Issue/Concern: The stations identified in this business case fall into one of the following categories: Below-ground box replacements: Removal of below-ground stations improves life cycle cost of stations due to accelerated corrosion related to salting and flooding, increased O&M costs related to increased paint frequency, and the requirement for two at a box when work is performed. An additional and very important benefit to the elimination of below-ground boxes is the improvement of worker health and safety by eliminating the need to handle potentially contaminated water, and non-egonomic work conditions. Obsolete Regulators: The criteria for this category is that there are no spare parts available, or parts are no longer approved for use on new installations, or a combination of poor performance and manufacturer availability. Low Pressure Districts: The failure of a low pressure district can have disastrous downstream impacts in the event of over-pressure protection failure. The outlets of these stations feed customers who may not have individual regulators at their meter sets. This additional line of defense is not present to protect customer piping. Double Boot-style Regulators: Stations with both operator and monitor boot-style regulators have a common failure mechanism as a result of debris in the gas stream. Replacement of one boot-style regulator with a non-boot regulator reduces the vulnerability of failure. Increased Capacity: Stations that are operating over designed capacity due to system growth are targeted for replacement to maintain gas supply. Loss of Containment: Station experiencing loss of containment (leaks) and high maintenance calls to repair equipment are also identified for replacement. Asset: District station assets Related Program: N/A	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass			503369	Lisgar Station	2025	$	6,610,364	Issue/Concern/Opportunity: The Lisgar Gate Station is located at a highly populated area in the City of Mississauga. The station is situated in an urban setting and is surrounded by residential buildings, a commercial plaza, and a church. The station has multiple feeds (two transmission lines and one XHP CER line) and various outlets to the local distribution networks. In the event of a major incident, the consequence would be significant given the close proximity to houses and buildings. Justification: The following issues and deficiencies have been identified: Heating: The Heating system has been deemed unreliable as it has reached its end-of-life cycle usage. The placement of the heat exchangers in the basement of the Boiler building has caused maintenance roadblocks along with flooding concerns. Only heating issue will be part of this project. Scope has been split based on the critical urgency level and was agreed with operations team. Communication Standard: Based on the current Communication Standard, the approved model is DIGI WR-31/21 modem's in order to support communication path from field to SCADA network. The DIGI WR-31 model is no longer being supported or available for purchase. As a result, we are looking to align the new approved communication standard to the SD-WAN Model across the corporation including GDS and STO business units. This SD-WAN model has been proven and rolled out amongst LP & GTM in 2023. SD-WAN will organically replace the current structure of DIGI from 2024 and beyond. There will be 3 categories to select from based on the specific station perimeters deemed by SCADA/TIS. Forecast Breakdown: (Execution Year) Assets: Distribution Station Assets at the Lisgar Gate Station. Related Program: AFF - 219 - NPS 24 Lisgar to Pine Valley - permanent launcher support (23192)	Fail	See investment description, IRPAs not applicable

Hamilton Area 16 UGL	**Div_16 - Hamilton**	Distribution Stations	**Pass**	**101345**	HAMI - 16X-218R: Hillcrest Station, Station Rebuild	**2028**	$	6,238,422	16X-218R: The FIMP group has carried out an inspection of the Hillcrest Station in 2023 and the intention of the inspection was to assess the integrity of the piping at the facility. Performed a visual, UT, and RT (glycol lines only) inspection for all above grade piping within the building and dug out ~0.5m at every riser to assess the soil to air interfaces. We were unable to assess/inspect any of the below grade piping outside of the building due to the location of the piping. In the station drawings it seems as if a lot of the inlet/outlet/cross-over piping and valves are within the station fence line, however, in reality they are located just outside of the fence line in a rocky/treed area and difficult to reach. Overall, the piping itself was in relatively good condition and the UT spot checks showed that most of the piping had an NWT that was 'overdesigned' and was thicker than what was reported in the original BoM's. FIMPs recommendation is to recoat and touch up some of the paint coating that has failed as part of the rebuild. FIMP was able to touch up some of the bad areas (regulation area) during our inspection remediation work. There are ongoing noise concerns during peak flows when HDD is the highest. As the station is in a high-density area along the escarpment, the noise issues need to be remediated. The regulators at this facility are not in a repairable shape due to obsolete equipment. Also, the building where the regulators are housed is not in great condition. This site also required a new boiler which was replaced in 2023. This station is a critical site; hence the scope is full rebuild. As the station falls in CAT 2 SCADA, the station can be built to current standards within the available land space, hence no new purchase of land is required. Also, the station requires inlet and outlet pressure/temperature, flow measurement, building gas detectors, and heating system functionality. Due to budget constraints in 2024, multiple options are being considered such as trying to replace the regulators and a building assessment is also being carried out to check the condition of the building and remediation options to be considered based on the report from the consultant. Customer Impacts: If Hillcrest station (16X-218R STN) was taken offline during design day conditions, and the range of customers impacted is 5,000-20,000 customers. This includes St.Joseph's Hospital.	Fail	See investment description, IRPAs not applicable
Sarnia Area 04 UGL	**Div_03 - Sarnia**	Distribution Stations	**Pass**	**734697**	SARN: 13F-503 Churchill Rd. Trans Stn	**2026**	$	5,543,870	Issue/Concern/Opportunity: Aging heater is a concern related to the reliable and safe delivery of natural gas. The heating system components ensure that gas temperatures within the distribution system remain above a site-specific targeted setpoint, as the reduction in temperature caused by pressure regulation can have detrimental effects on equipment performance. Loss of Heating System Function: Loss of the heating system function could result in two scenarios, (1) frost heave or (2) pressure control failure due to the freezing of station components. Frost heave occurs when the gas is cooled due to the pressure reduction and causes an upward swelling of soil around public or private property near the gas main. Freezing of station components such as creating large ice buildup around valves can prevent operation if gas isolation is required. This could result in the loss of pressure control and potentially lead to an overpressure or underpressure situation. The financial impact includes commodity loss, service disruptions, increased network leak surveys and system checks, repairs or replacement of company-owned property, or damages caused to public, commercial or industrial property. Inoperable systems will lead to a failure to maintain operational supply to customers. Justification: Heater replacement is required. Assets: 13F-503 Related Investments: INV CODE 734670 NOTE: This project could potentially be combined with Sarnia Industrial Station rebuild (under inv code noted above). If not, it will be a separate project for the heater replacement only. The execution and design team will evaluate the options closer to the execution year.	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	**Div_04 - London**	Distribution Stations	**Pass**	**49805**	Hensall Trans_14N-302STN_Rebuild	**2025**	$	5,329,821	Issues and Concerns: - Glycol spill occurred at Hensall Transmission – 2013. Station is connected directly to the Dawn-to-Parkway system and is a major feed into Forest-Hensall-Goderich (3450 kPa MOP; services approximately 40,000 customers) – system is not sufficiently back-fed from Kerwood Transmission Station & Stratford Gate Station which would result in significant outages Stations Engineering completed a risk assessment in 2018 for LUG indirect line heaters due to multiple glycol leaks across Province– plan was endorsed by Directors in 2019 and Hensall was identified for replacement in 2023 Heaters are same as units replaced at Byron Transmission Station; heater failed when project deferred, and Region had to manage risk through winter until full station replacement was completed – increased O/M expenses Heating system is approximately 50 years old, requires support from 3rd party contractors to maintain operation, and fails multiple times per year – approximately $30k in O/M annually Commercial power failure occurs multiple times per year impacting SCADA and operation of odourant system Backup generator ensures odourant system remains online – multiple power outages resulted in system staying fed by battery backup and requires mobilization of technician to install temporary backup generator to ensure injection system operates (battery backup only functional for ~ 2 hours and should be ~8 hours) Liquids present in station inlet dry gas filter which could result in freeze-off of regulators Project scope increased from heater replacement to full station replacement due to growth - growth project was cancelled this year due to Twin Creeks project but risk of heater failure wasn't addressed Project Scope: Installation of 1-CWT Heater, Filter & Back Up Generator Materials ordered and arrived for original scope Region initiated discussions with Stations Engineering to reduce scope to 1-heater replacement for 3450 kPa cut not 420 kPa cut – still working on solution Utilize TFS resources to reduce costs and move capital work to internal resources	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	**60 - Ottawa**	Distribution Stations	**Pass**	**7751**	KEMPTVILLE GATE	**2027**	$	5,184,042	Kemptville Gate Station is located on EGI-owned property of approximately 2,825 m2 fenced compound in the Municipality of North Grenville, Ontario, approximately 37 km south of Ottawa, within a rural area. This station accepts natural gas from TC Energy and provides supply to XHP networks, through components within the Measurement system, Pressure Control system , Heating system, Odourant system, and Telemetry system. This station supplies natural gas to approximately 3,256 customers in the Kemptville area. The following issues have been identified at this station: Pipe, Valves & Others: The existing valves at this site have experienced issues in performance and operation. Maintenance has been performed to attempt to remediate the valves; however, the valves have deteriorated to the point where the reliability is no longer acceptable. Heating: The existing boilers at this site are 22 years old and have reached end of life based on condition review and performance. Pressure Control: The Regulation system is installed within a building currently in disrepair with several leaks. The operator and monitor regulators are both double-boot style regulators and are both susceptible to boot failure should they be exposed to significant debris in the system. Repairs have been made where possible but the building continues to deteriorate. Also, the working space inside the building produces an ergonomic/safety risk to EGI employees. This will require addition of filtration or regulation replacement. Furthermore, a new building will be required to address safety/ergonomic issues at the station. Odourization: The building has containment but does not meet current standards. There are no issues with the current system. Telemetry & Electrical: The Telemetry and Electrical systems do not meet current EGI standards, do not contain backup power supply in the event of power loss, and are approaching end of useful life. RTU has been upgrade by Telemetry in 2024 to the current RTU Standard of CNPM. Communications Standard: SD WAN Communication Standard Justification (C55) Based on the current Communication Standard, the approved model is DIGI WR-31/21 modem's in order to support communication path from field to SCADA network. The DIGI WR-31 model is no longer being supported or available for purchase. As a result, we are looking to align the new approved communication standard to the SD-WAN Model across the corporation including GDS and STO business units. This SD-WAN model has been proven and rolled out amongst LP & GTM in 2023. SD-WAN will organically replace the current structure of DIGI from 2024 and beyond. There will be 3 categories to select from based on the specific station perimeters deemed by SCADA/TIS.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	**30 - Richmond Hill**	Distribution Stations	**Pass**	**1013**	MARKHAM GATE	**2029**	$	5,170,961	Markham Gate Station Pipe, Valves & Others: Updated Mechanical Piping is required for this station. The existing valves at this site have experienced issues in performance and operation of the valves. Maintenance has been performed to attempt to remediate the valves, however, the valves have deteriorated to the point where the reliability is no longer acceptable Heating System: Updated heating is required at this station. New Heat Exchanger is required including the associated piping for the glycol inlet and outlet to heating element. New boiler building will be procured as the existing building is within the ESA classification. Pressure Control: Not Required Odorant System: New Odorant system is required. This would include a new Odorant building including tank (Assume 500G – Enbridge standard). New Odorant cabinet including 2 new pumps and associated tubing from the tank equipment to cabinet. New sight glass for injection point is required. New odorant building to be outfitting with new electrical distribution and internal/external lighting. Galvanized building stairs to be accounted for. Telemetry/Electrical: New Control Wave Micro unit required and associated connections. Account for 1 new pressure transmitter and 1 new temperature transmitter. The telemetry and electrical systems do not meet current EGI standards, do not contain backup power supply in the event of power loss, and are approaching end of useful life. The existing RTU is obsolete and is required to be upgraded to current standards along with new communications equipment in order to eliminate cyber security threats. New Telemetry building will be required to be installed in new compliance location. Measurement: No information provided. Building: New Odorant Building required (See Odorant Scope for details). Additionally, new boiler building will need to be procured. An engineering assessment of the site layout has identified a conflict with the location of the telemetry or boiler Buildings with respect to the ESA Area Classification Compliance/Civil: Minor Site Grading will be required and new crash bar access and 2 sides of site. This rebuild is combined with the FIMP investment #501091 (Oracle/SAP #20021482).	Fail	See investment description, IRPAs not applicable
Hamilton Area 16 UGL	**Div_16 - Hamilton**	Distribution Stations	**Pass**	**735038**	HAMI: 18W-603, Hamilton Takeoff & Carlisle Gate, Rebuild	**2026**	$	4,947,346	18W-603: The Hamilton Take-off is the major feed into the City of Hamilton feeding Hamilton Gates 1&2 and the only point of odorization for these stations. The customer loss with the Hamilton Takeoff going offline on a design day is anticipated to be > 120,000 customers between the Halton and Hamilton including over 80 contracts (both firm and interruptible) in Hamilton including Dofasco, McMaster, Hamilton General Hospital, and St Josephs Hospital and deferral to load shed would be required. The site was originally constructed in 1994 and has not had significant replacements of equipment. During the cold weather experienced this past winter, the existing odorant system was operating at maximum capacity, and another cabinet is required to be added. The existing building is from 1990 and does not meet our standard and does not have space for additional equipment. The site is surrounded by a marshy area with Bronte Creek to the north. The odourant injection point at this site is below grade and there is no leak detection, alarm, etc. The site has experienced some gradual heaving and there is evidence that some of the electrical cables doing through the building walls have been damaged. Due to the site configuration and the existing system being at capacity, replacement of the odourant building and relocation of the odourant injection point to be on above grade piping is recommended. This will also ensure we can keep the existing odourant system running until the switchover as the volume of odourant would be very significant for temporary injection facilities. For 2026, the plan is to replace the existing odourant system, odourant building and piping. As a future phase, the regulators should be replaced with modern control valves to ensure reliability and reduce maintenance costs. Station is equipped with Wizard control valves which require a specialized operator and equipment to be inspected in house. For that reason, third party inspection is required making its inspection very costly. Due to the increase cost this inspection is not carried as regularly as other stations.	Fail	See investment description, IRPAs not applicable

London Area 04 UGL	**Div_04 - London**	Distribution Stations	**Pass**	**734674**	LOND: 14O-503R Highbury and Cheapside Dist Stn	**2025**	$	4,764,560	Issue/Concern/Opportunity: The station has obsolete regulators (Grove regulators) where replacement parts are no longer available. In the event of a failure, no replacement parts are available. In addition, the station is receving liquids and only has a dry gas filter installed. There are concems with the potential of liquids entering the pressure control equipment and potentially impacting the performance of these assets. There is a single bypass valve that does not meet the current design standards and could impact manual bypass operations. The site has a large pressure drop and heat is required to prevent heaving. Justification: Complete station rebuild is required. Assets: 14O-503R Related Investments: Not applicable.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	**30 - Richmond Hill**	Distribution Stations	**Pass**	**1011**	SCHOMBERG GATE	**2025**	$	4,745,691	Schomberg Gate Station is located on EGI-owned property of approximately 1,250 m2 fenced compound in the Township of King, Ontario, approximately 3 km from the town of Pottageville, within a rural/urban area, in close proximity to Kettleby. This station accepts natural gas from TC Energy and provides supply to two separate XHP networks, though components within the Measurement system, Pressure Control system, Heating system, Odourant system, and Telemetry system. This station supplies natural gas to approximately 23,501 customers in the King Region. The following issues have been identified at this station: Compliance: An engineering assessment of the site layout has identified a conflict with the location of the Telemetry or Boiler buildings with respect to the Electrical Safety Authority (ESA) Area Classification requirements which has identified that an ignition source is in close proximity to a potential leak source, as defined within the Electrical Codes and Standards. Measurement: The current system does not provide measurement of the individual outlet supplies. Visibility to each outlet supply provides greater redundancy to the existing measurement and improved response capabilities. Valve & Piping: The existing valves at this site have experienced issues in performance and operation of the valves. Maintenance has been performed to attempt to remediate the valves; however, the valves have deteriorated to the point where the reliability is no longer acceptable. Heating: The existing boilers at this site have experienced trouble call/failures over the recent years, including failures of the motors and pumps, burner lock-outs and exchanger failures. Due to recent and upcoming customer growth in the King area, the existing heating system will not be capable of supplying the heating requirements to meet the demand. Pressure Control: The Regulation system is undersized and not capable of supplying the demand required to meet the customer growth in the King area. The configuration of the existing regulators is double boot, posing an undesired higher risk and high associated ongoing maintenance costs. Telemetry & Electrical: The existing electrical system does not meet current EGI electrical installation standards. This poses a potential electrical hazard and faulty wiring may result in lost communications. Additional Scope: Replacement of 24 m NPS 6 road crossing NW 2103 is required in order to ensure the pipeline does not exceed the required %SMYS to be designated an Integrity Management Program (IMP) main and require retrofit and inspection. The deadline or this replacement is June 11, 2024.	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	**20 - Mississauga**	Distribution Stations	**Pass**	**735335**	GTAW Parkway Gate Station Rebuild Phase 2	**2025**	$	4,625,468	Project: Parkway East Phase 2. Phase 1 commenced in 2021. Issue/Concern/Opportunity: The following sub-assets will be rebuilt due to the issues described below: Regulators: Two existing Becker control valves, i.e., NPS-8 and NPS-6 downstream operators – PRV-0502 and PRV-0504, Runs 9 and 10 on TC Energy feed (quantity is two) are defective and will not lock up; therefore, replacement is required. Currently, the inlet valve from the TC Energy feed is used to completely shut off the TC Energy feed; otherwise, the control valves will bleed by and affect nominations in the summer, automated TC Energy inlet valve for emergency shutoff from TC Energy, as well as to ensure inlet valve is closed to avoid bleed by of Becker control valves in summer conditions (CLOSE ONLY VALVE). Flow control valves on the TC Energy feed are Fairchild's (will replace with DNGPs – RUNS 9/10) not a computer-controlled regulator and do not sense downstream pressure. Isolation valves for each run are operational. DNGP should also replace Fairchild for 12-inch Union East – CV replacement (12-inch closest to Boiler building - RUN 1); 4th Fairchild is on the MSL – not required – disconnect and replace with VRP pilot (pressure control only due to downstream system operation). The station can be down to facilitate work as system can be fed from Parkway West. An additional five Jordan motors that are obsolete are to be replaced with Rotork motors (quantity is five). Due to capacity constraints and designing for future flow provided by Distribution Optimization Engineering (DOE) / TSP, Run 1 T4 Becker is to be replaced with T1 Becker (NPS 12). Run 3 has undersized isolation valves (currently NPS 8) and will need upsizing to NPS 16. Civil: There is no urethane layer between the pipe support cradle and the bottom of the pipe. A single new Odourant building is required. The wall between the Pressure Transmitter and Remote Terminal Unit (RTU) room is to be opened up for entire building to be RTU room. Demolition of existing Generator building is required. The Storage building is to be removed due to end of life. Piping & Valves: An increase in pipe size near heaters to NPS 30 along with inlet/outlet HX valves to ensure flow requirements can be achieved. Upsizing downstream header and inlet pipe to regulators to NPS 30 is required to ensure it can handle capacity requirements. Odourant: The Odourant system is a metallic odourant building without adequate containment with a rusted containment pan. The fill connection is outdoors. Supports are not fire-rated and no Fire Suppression system is installed. Grating within the building is not safe for accessing valves and equipment. A new Odourant building is required. Two 5,000 GAL odourant tanks complete with electric pumps are to be installed. Low-flow and high-flow pumps with full redundancy on winter pumps on each outlet are required. Switchover between pumps should be automated. Telemetry & Electrical: Existing obsolete Bristol 3330 is to be replaced with Control Wave Micro. Additional electrical wiring and cabling (including power	Fail	See investment description, IRPAs not applicable
Head Office Support	**Div_54 - Head Office Support**	Distribution Stations	**Pass**	**48744**	Distribution Operations Station Painting	**2032**	$	4,593,794	Issue/concern: This is a centrally managed program in the Union rate zone to apply high performance paint to stations where existing paint has begun to fail or wear off of the facilities on which it has been applied. The Station Painting Program is a significant corrosion mitigation practice. The frequency and criteria for high performance painting at station sites is specifically prescribed in the Corrosion Control Standard Operating Practice (SOP) and is its documented and committed practice on its compliance with the applicable codes for corrosion control on above-grade station assets. This work will improve compliance and ensure the safety and reliability of EGI assets by reducing the risk of leaks and piping and/or equipment failure due to significant corrosion. Assets: Related Programs (enter N/A if not applicable):	Fail	See investment description, IRPAs not applicable
GTA East Area 40 EGD	**40 - Whitby**	Distribution Stations	**Pass**	**7749**	BOWMANVILLE GATE	**2027**	$	4,465,998	Issue/Concern: Bowmanville Gate Station is located on fenced EGI-owned property of approximately 700 m2 in Clarington, Ontario. It is approximately 5 km north of Newcastle Ontario, within a rural area. This station accepts natural gas from TC Energy and provides supply to two separate XHP networks, through a measurement system, pressure control system, gas pre-heat system, odourant injection system, and telemetry and controls system. This station supplies natural gas to approximately 61,000 customers in an area that spans from Bowmanville to Lindsay. The following issues have been identified at this station: Valves and Piping: The existing valves at this site have experienced issues in performance and operation of the valves. Maintenance has been performed to attempt to remediate the valves; however, the valves have deteriorated to the point where the reliability is no longer acceptable. The inlet piping to the heat exchanger shows signs of deterioration and should be replaced. The station is located close to Hwy 35/115 and its proximity to traffic puts it at a higher risk. The piping is to be relocated away from the road, as far as practical. Measurement: The current system does not provide measurement of the individual outlet supplies. Visibility to each outlet supply provides redundancy to the existing measurement, odourant injection reliability, and improved response capabilities. The turbine meter is to be replaced with a Coriolis meter. Heating: The existing boilers at this site are 18 years old, they have had 42 trouble call/failures over the life of the heating system, including failures of the motors and pumps, burner lock-outs and exchanger failures. The system, including buildings, will require replacement as it approaches end of life. Odourization: The odourant system was installed in 1999. The current configuration of the odourant system does not ensure adequate containment of the odourant product in the event of a leak and does not meet the current engineering standards and approvals. The building is an old-style, rusted metallic odourant building without adequate containment and a new building, tank, and Odourant Injection system will be required. Telemetry and Electrical: The existing Electrical system does not meet current EGI electrical installation standards. This poses a potential electrical hazard and faulty wiring may result in lost communications. Other: Odourant deliveries - a third-party company is used for traffic control during deliveries. Additional land, not included in this business case, may be identified under a separate business case for station expansion to improve safety during odourant deliveries off of Hwy 35/115. Asset: Bowmanville gate station assets.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	**10 - Toronto**	Distribution Stations	**Pass**	**744670**	Crash Wall - Station B	**2025**	$	4,100,016	Scope: Installation of a crash wall to the west of the existing feeder station at Station B (405 Eastern Ave). This is a requirement due to the proximity of the new building currently under Consuction at the site and the existing metrolinx rail tracks. Investment created to replace 3640-1.	Fail	See investment description, IRPAs not applicable
GTA West Area 50 EGD	**50 - Barrie**	Distribution Stations	**Pass**	**7758**	THORNTON GATE	**2028**	$	4,078,056	Scope updated on February 23, 2023 **Updated for Electrical Scope - May 2, 2023 *** Scope updated on April 10, 2024 • Heating System: Updated heating is required at this station. New Heat Exchanger is required including the associated piping for the glycol inlet and outlet to heating element. New boilers can fit within the limits of the existing building. New modulating boilers are required. Existing heat exchangers were inspected in 2022 and might not need an upgrade • Pressure Control: No changes required • Odorant System: No changes required • Telemetry/Electrical: No changes required • Measurement: No changes required • Compliance/Civil: Site Grading will be required and new security Fencing (Galvanized) including new swing gate and crash bar access This rebuild is combined with the FIMP investment #736608(Oracle/SAP #20022844).	Fail	See investment description, IRPAs not applicable
Head Office Support	**Div_54 - Head Office Support**	Distribution Stations	**Pass**	**743908**	GDS Critical Station Security Upgrade Program (LUG)	**2025**	$	4,022,236	This investment is a program to remediate the physical and cyber security related threats stations identified by the identified high priority pipeline facilities identified in Annex B of the Framework Standard - Physical Security in Annex B (buildings or rooms in the field that contain Operational Technology (OT) and Information Technology (IT), SCADA control rooms, security control rooms). This program will be remediated by approaching approximately 5 sites per year (there are some in LEG franchise as well). The risk assessment is complete as per the corporate standard and a pilot is commencing at Hamilton Gate 1/2. Details for GDS risk assessment are underway.	Fail	See investment description, IRPAs not applicable

GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	7769	KEELE AND STEELES/CNR FEEDER	2025	$	3,992,430	Keele and Steeles/CNR Feeder Station is located on 3,000 m2 compound in the city of Vaughan , Ontario, approximately 1.5 km from York University, within an urban area in close proximity to CNR Railway Corridor. This station accepts natural gas from EGI XHP pipeline and provides supply to three separate XHP networks and an HP network, through components within the Pressure Control system, Heating system, Odourant system, and Telemetry system. This station supplies natural gas to approximately 20,000 customers in Vaughan and Toronto area. The following issues have been identified at this station: Valve & Piping: the existing valves at this site have experienced 10 failures and leak issues in performance and operation of the valves. Maintenance has been performed to attempt to remediate the valves; however, the valves have deteriorated to the point where the reliability is no longer acceptable. Pressure Control: The configuration of the existing regulators was installed in 1990 and is double boot, posing an undesired higher risk and high associated ongoing maintenance costs. The existing regulators have reached end of life. Telemetry & Electrical: Grounding system should be reviewed and upgraded if necessary. Back up generator is on site but is not connected. Generator needs to be commissioned. Communications Standard: SD WAN Communication Standard Justification (C55) Based on the current Communication Standard, the approved model is DIGI WR-31/21 modem's in order to support communication path from field to SCADA network. The DIGI WR-31 model is no longer being supported or available for purchase. As a result, we are looking to align the new approved communication standard to the SD-WAN Model across the corporation including GDS and STO business units. This SD-WAN model has been proven and rolled out amongst LP & GTM in 2023. SD-WAN will organically replace the current structure of DIGI from 2024 and beyond. There will be 3 categories to select from based on the specific station perimeters deemed by SCADA/TIS.	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	3455	Hanmer District Station	2029	$	3,983,921	Issue/Concern: EGI has a high pressure (HP) to intermediate pressure (IP) district station located inside a building. The regulator station is located in the garage of a house and is not to current EGI standards. The station is located close to a school, hospital, shopping complex, and dense residential population. The Integrity team is planning an inline inspection of the Vital NPS 12 (Network 6582) and additional space is required for a receiver. Assets: Station# 6B005A Related Program(s): N/A	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	749266	Decanting Stations - Virtual Asset CNG	2026	$	3,964,810	Issue/Concern/Opportunity: As we work through IRP we are seeking non-traditional options to maintain safe, reliable networks. A virtual pipeline concept is a method where pressure reducing stations and CNG tube trailers can be utilized to defer traditional reinforcements. The new assets can provide two main use cases: 1) Primary - construction, station rebuilds, integrity work, emergency response, and 2) Secondary use - winter peak shaving. Justification: This is a way to provide options to minimize capital spend requirements for potential reinforcements in a non-traditional manner. Related Investments: 7 CNG tube trailers	Fail	See investment description, IRPAs not applicable for CNG
London Area 64 UGL	Div_04 - London	Distribution Stations	Pass	734695	LOND: 15Q-603 Customer Transmission Station, Heater Replacement	2027	$	3,872,626	Issue/Concern/Opportunity: Heater age (per integrity) is a concern. Loss of Heating System Function: Loss of the heating system function could result in two scenarios, (1) frost heave or (2) pressure control failure due to the freezing of station components. Frost heave occurs when the gas is cooled due to the pressure reduction and causes an upward swelling of soil around public or private property near the gas main. Freezing of station components such as creating large ice buildup around valves can prevent operation if gas isolation is required. This could result in the loss of pressure control and potentially lead to an overpressure or underpressure situation. The financial impact includes commodity loss, service disruptions, increased network leak surveys and system checks, repairs or replacement of company-owned property, or damages caused to public, commercial or industrial property. Inoperable systems will lead to a failure to maintain operational supply to customers. FIMP will assess the site closer to execution to determine if additional components require replacement. Assets: 15Q-603 Related Investments: Not applicable. This rebuild is combined with the FIMP investment #503090 (Oracle/SAP #64-21-311).	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	7752	NIAGARA GATE	2029	$	3,785,974	Niagara Gate Station is located on EGI-owned property of approximately 1,900 m2 fenced compound in the Town of Niagara-on-the-Lake , Ontario, approximately 7 km from Niagara-on-the-Lake, ON, within a rural area. This station accepts natural gas from TC Energy and provides supply to an XHP network, through components within the Measurement system, Pressure Control system, Heating system, Odourant system, and Telemetry system. This station supplies natural gas to approximately 6,800 customers in the Niagara Region. The following issues have been identified at this station: Heating: The existing boilers at this site are 15 years old, they have had numerous trouble call/failures recently, including failures of the motors and pumps, burner lock-outs and exchanger failures, and are at end of life. Repairs have been made but the reliability of the heating system is no longer acceptable. The proposal is to replace the existing boiler system with a CWT outside of any hazardous area. Telemetry & Electrical: The existing Electrical system does not meet current EGI electrical installation standards. This poses a potential electrical hazard and faulty wiring may result in lost communications. A new natural gas generator for backup power will also be required. This rebuild is combined with the FIMP investment #501097 (Oracle/SAP #20021887).	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	3620	MOUNTAIN RD GATE	2028	$	3,741,747	Mountain Road Gate Station is located on EGI-owned property of approximately 1,800 m2 in a fenced compound in Niagara Falls, Ontario, approximately 10 km from Niagara Falls, within a rural/urban area. This station accepts natural gas from TC Energy and provides supply to one NPS 12 XHP network (Glendale), one NPS 12 HP network (Dorchester), and one NPS 8 IP network (Lundy's Lane). The gate station includes a measurement system, pressure control system, heating system, odourant system, and telemetry system. This station supplies natural gas to approximately 85,700 customers in the Niagara region. The following issues have been identified at this station: Valves & Piping: Valve actuators have been installed on the outlet valves and on the heat exchanger isolation and bypass valves, but programming is required to control the actuators with the Remote Terminal Unit (RTU). Valves are functioning well but are all original valves that were installed during the installation of the gate station (approximately 30 years) and may need to be replaced due to age. Measurement: The inlet is metered by a relatively new NPS 12 ultrasonic meter (approximately 10 years). The current system does not provide measurement of the individual outlet supplies. Visibility to each outlet supply provides greater redundancy to the existing measurement and improved response capabilities. Outlet metering is to be connected to SCADA and visible to the Gas Control group. Heating: Three existing boilers at this site are old boilers that are approximately 20 years old. They have had 10 trouble call/failures over the recent years, including failures of the motors and pumps, burner lock-outs and exchanger failures. The existing heat exchanger was installed in 1995 and will be at end of life by the rebuild date. Due to recent and upcoming customer growth in the Niagara Falls area, the existing heating system will not be capable of supplying the heating requirements to meet the demand. Fuel gas station to the boilers is metered but conversion of the generator from diesel to natural gas will require it to be upsized. In 2024 the glycol tank failed FIMP inspection and needs to be replaced with a due date of 2029. Based on initial analysis from Engineering conventional boilers will be required and CWT are not large enough. Pressure Control: The configuration of the existing regulators are all boot-style regulators, posing an undesired higher risk and high associated ongoing maintenance costs. The regulators will have to be replaced. In addition, an upstream filter should be installed. Odourization: The odourant injection system is a combination of Link and Wilroy pumps which are located in a separate building from the tank. The Pump building has no containment if a leak is experienced. The tank sits in a metallic odourant building without adequate containment which will have to be replaced with a functional building with proper containment, and ancillary equipment including fire suppression and gas detection. The current configuration of the odourant system does not meet the current engineering standards and approvals. The odourant package should be replaced.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	746132	22-25-700 Lennox GS SMS Maintenance Program	2025	$	3,498,819	Assessment and implementation of a comprehensive boiler upgrade program at Lennox GS. Year 1 (2025): Assessment, capital requisition, material requisition and receipt, implementation plan, complete readiness activities for Year 2, and organizing of people resources Year 2 (2026): Replace control valves & update programming Year 3 (2027): Completion of work, clean up, closure and commissioning	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Stations	Pass	16434	2028 District Station Rebuilds Program	2028	$	3,409,916	Issue/Concern: The stations identified in this business case fall into one of the following categories: Below-ground box replacements: Removal of below-ground stations improves life cycle cost of stations due to accelerated corrosion related to salting and flooding, increased O&M costs related to increased paint frequency, and the requirement for two at a box when work is performed. An additional and very important benefit to the elimination of below-ground boxes is the improvement of worker health and safety by eliminating the need to handle potentially contaminated water, and non-ergonomic work conditions. Obsolete Regulators: The criteria for this category is that there are no spare parts available, or parts are no longer approved for use on new installations, or a combination of poor performance and manufacturer availability. Low Pressure Districts: The failure of a low pressure district can have disastrous downstream impacts in the event of over-pressure protection failure. The outlets of these stations feed customers who may not have individual regulators at their meter sets. This additional line of defense is not present to protect customer piping. Double Boot-style Regulators: Stations with both operator and monitor boot-style regulators have a common failure mechanism as a result of debris in the gas stream. Replacement of one boot-style regulator with a non-boot regulator reduces the vulnerability of failure. Increased Capacity: Stations that are operating over designed capacity due to system growth are targeted for replacement to maintain gas supply. Loss of Containment: Station experiencing loss of containment (leaks) and high maintenance calls to repair equipment are also identified for replacement. Asset: District station assets Related Program: N/A	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	48743	Distribution Operations Station Maintenance Blankets	2032	$	3,409,901	Issue/Concern: Station Blankets - Spend is also allocated to each region to ensure they have capital available for unforeseen maintenance challenges. These challenges can be leaks or failures that require short turnaround times for remediation, particularly if there has not been a specific project identified for affected assets. Asset: System Station Assets Related Program: N/A	Fail	See investment description, IRPAs not applicable
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Stations	Pass	734683	SARN: 12F-205 Novacor Moore Trans	2026	$	3,054,418	Issue/Concern/Opportunity: The heater short cycles and there are visible condition issues. The regulators' design is insufficient causing operational concerns and will be redesigned in this project to meet current standards. Justification: Complete rebuild is required. Assets: 12F-205 Related Investments: Not applicable.	Fail	See investment description, IRPAs not applicable

Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	3622	SUMMERSTOWN GATE	2028	$	3,044,843	Summerstown Gate Station is located on EGI-owned property of approximately 1,000 m2 fenced compound in South Glengarry Township, Ontario, approximately 16 km from Cornwall, Ontario, within a rural area. This station accepts natural gas from TC Energy and provides supply to an XHP network, through components within the measurement system, pressure control system, heating system, odourant system, and telemetry system. This station feeds 265 customers. The following issues have been identified at this station: Valves & Piping: The existing valves at this site have experienced issues in performance and operation of the valves. Maintenance has been performed to attempt to remediate the valves; however, the valves have deteriorated to the point where the reliability is no longer acceptable. The existing inlet and bypass valves are flange by flange and have experienced leaks through these flanges. Flanged valves on the station inlets are more prone to leaks and more difficult to repair. Odourization: The odourant system was installed in 1998. The current configuration of the odourant system does not ensure adequate containment of the odourant product in the event of a leak and does not meet the current engineering standards and approvals. Telemetry & Electrical: The existing electrical system does not meet current EGI electrical installation standards. This poses a potential electrical hazard and faulty wiring may result in lost communications. A backup generator is required to ensure operation during a power outage. Tower: Tower is to be removed as it is not required for SCADA communications. Communications Standard: SD WAN Communication Standard Justification (C55) Based on the current Communication Standard, the approved model is DIGI WR-31/21 modem's in order to support communication path from field to SCADA network. The DIGI WR-31 model is no longer being supported or available for purchase. As a result, we are looking to align the new approved communication standard to the SD-WAN Model across the corporation including GDS and STO business units. This SD-WAN model has been proven and rolled out amongst LP & GTM in 2023. SD-WAN will organically replace the current structure of DIGI from 2024 and beyond. There will be 3 categories to select from based on the specific station perimeters deemed by SCADA/TIS.	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	7748	BETHEL GATE	2025	$	2,877,218	"Bethel Gas Station currently feeds a lone legacy EGD corn drier customer as well as ~20 legacy UG customers. The issue associated with this station is when the corn drier comes on during temperatures below 0 degrees. It is also noteworthy that there is no contract with the corn drier customer. The following issues have been identified with this station: PIPE VALVES & OTHERS: Station isolation and bypass valves leak and require replacement with current standard Cameron isolation valves. The valves don't hold completely and you can't bypass the entire station, as there is no traditional bypass. HEATING SYSTEM: Currently has insufficient heating. Pilot heating system would be required. Full boiler system and HEX will not be required as gas loads are minimal for a Gate Station. This could potentially a CWT. PRESSURE CONTROL: Self operated regulators control the pressure out of Bethel gate station. As a result, outlet pressures set points are set lower than need be to accommodate fluctuations in pressure that is inherent in a self-operated regulator. Downstream systems are then subjected to pressure swings and could result in an over pressure or under pressure situation.Fluctuations on the TCPL line is also a frequent occurence. ODOURANT: The existing bypass odourant system has no direct way to measure odourant levels which means that odourant levels must be managed. The odourant system must be upgraded to include level measurement and control. Also, the system does not allow for control of odourant into the pipeline and odourant content fluctuates without detection. The odourant system must be replaced. Looking at the possibility of a sweep tank based on low flow. TELEMETRY/ELECTRICAL: An outdated RTU controls the station and must be upgraded to current standards for maintenance and reliability. This includes replacement of the building and RTU. No redundancy is included for gas metering. ESA Compliance issues regarding area classification so the RTU Building will not only have to be replaced but relocated. This RTU upgrade and relocation will require land acquisition. Bringing Hydro to the site would be the best. Due to the lack of Hydro, there is no yard lighting, no lighting in the odourant building, and no methane detection in the odourant building. Electrical service upgrade is required as the station is solely powered by solar power with battery backup. Winter operations leave this station vulnerable to power loss due to low sunlight. Instead of installing a generator, the solar panels can be reused for backup power (much like Gatineau) – perhaps just an upgrade to the solar charger. Modem and firewall would be included with the new RTU. New instrumentation would include outlet temperature/pressure, and meter (inlet pressure was replaced last year and can be reused). A new tower is also required - current tower is mounted on side of RTU building, and is showing signs of degradation. Currently there is no heating for the regulators and through the winter, gas control sees the outlet temperature drop below low alarms. There is also the electrical classification issue at this station.	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	734628	TIMM: Smooth Rock Falls CMS, TBS, and DRS Relocations/Retirements	2028	$	2,806,292	Issue/Concern/Opportunity/Justification: Project may include modifications to whole town system. The project includes building new Town Border Station (TBS) at TC Energy. The existing Customer Meter Station (CMS) will be removed and the old TBS will be repurposed as Distribution Regulation Station (DRS). Scope is to be further defined in the future. Assets: Station #41501002 (TBS), 41501005 (CMS), 41502002 (DRS) Related Program: Not applicable.	Fail	See investment description, IRPAs not applicable
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Stations	Pass	503334	CHAT - 07G-601 Chatham North Gate	2029	$	2,643,700	Issue/Concern/Opportunity: Converted BS&B and heat exchanger replacement is required. There have already been several environmental spills (glycol) as a result of condition failures from these converted heaters and is known on the risk register. Also, the condition of the heaters is creating risks around reliability and the ability to adequately provide heat. Justification: Potential for reliability issues with the safe and reliable delivery of natural gas. In addition, Possible glycol leaks from heating system equipment or piping inside building (indoor equipment typically includes boilers, pressure relief, glycol recirculation pumps, air extractors, instruments/controls, gauges, expansion tanks). Possible leaks from heating system equipment or piping located outside on station property (outdoor equipment typically includes the heat exchanger, overpressure burst disk, air extractors, instruments/controls, gauges, and atmospheric glycol expansion tank) Assets: 07G-601 Related Investments: Not applicable.	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	503333	WIND - 06C-502 Patillo Rd station rebuild	2027	$	2,639,623	Issue/Concern/Opportunity: heater system contains 4000-5000L of glycol; converted NATCO out of date; obsolete regulators Justification: Replace heater and regs Assets: 06C-502 Patillo Rd Station Related Investments: N/A	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	3614	BOND HEAD GATE	2027	$	2,522,884	This rebuild is combined with the FIMP investment #736639 (Oracle/SAP #64-22-316). Bond Head Gate Station is located on EGI-owned property of approximately 1,900 m2 fenced compound in the village of Bond Head, Ontario, approximately 8.5 km west of Bradford Ontario, within a rural area, in close proximity to several homes. This station accepts natural gas from TC Energy and provides supply to two separate XHP networks and one IP network, through components within the measurement system, pressure control system, heating system, odourant system, and telemetry system. This station supplies natural gas to approximately 60,000 customers in the Alliston, Orangeville, Bradford, and northern York Region. The following issues have been identified at this station: 1. Install filter/separator to address build up and liquids issues experienced at this site and liquids in the downstream system 2. Install Welker pilot filters to reduce sulfur buildup in regulator pilots 3. Upgrade aging Fisher 399's with E-body EZR upgrade kits 4. RTU / Odourant Injection building vents introduce a hazardous area conflict. Recommend sealing side vents on east/west walls of building and replacing with louvered doors on North and South sides of building. Communications Standard: SD WAN Communication Standard Justification (C55) Based on the current Communication Standard, the approved model is DIGI WR-31/21 modem's in order to support communication path from field to SCADA network. The DIGI WR-31 model is no longer being supported or available for purchase. As a result, we are looking to align the new approved communication standard to the SD-WAN Model across the corporation including GDS and STO business units. This SD-WAN model has been proven and rolled out amongst LP & GTM in 2023. SD-WAN will organically replace the current structure of DIGI from 2024 and beyond. There will be 3 categories to select from based on the specific station perimeters deemed by SCADA/TIS.	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	101626	WIND - 05A-203 LaSalle Boismier Ave - Heater replacement	2028	$	2,514,050	Issue/Concern/Opportunity: Heater controls are located within the hazardous area and are not rated to be within this zone. There is obsolete heating equipment; BS&B style heater that is on the risk register is to be replaced. Justification: Station needs to be rebuilt with new CWT 770 or CWT 140. Noise & Emission study is recommended. Assets: 05A-203 LaSalle Boismier Ave. Related Investments: Not applicable.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734775	King: Augusta CMS 2-87-02-001 Rebuild	2029	$	2,244,342	Station Rebuild required: •This is a check meter station (CMS) only - no regulation, take off directly from Trans Canada. •Located within Trans Canada compound. •1958 year built, 6895kpa pressure passes thru the station unregulated •Inadequate equipment: orifice meter for measurement, small RT Building, no filtration, the line was made piggable in 2022 • Significant work needed to install the barrels for the launcher and receiver •There is not odourization at the CMS and as such the Augusta Lateral is unodourized	Fail	See investment description, IRPAs not applicable
Head Office/All	00 - Head Office	Distribution Stations	Pass	743906	GDS Critical Station Security Upgrade Program (LEG)	2025	$	2,231,887	This investment is a program to remediate the physical and cyber security related threats stations identified by the identified high priority pipeline facilities identified in Annex B of the Framework Standard - Physical Security in Annex B (buildings or rooms in the field that contain Operational Technology (OT) and Information Technology (IT), SCADA control rooms, security control rooms). This program will be remediated by approaching approximately 5 sites per year (there are some in LUG franchise as well). The risk assessment is complete as per the corporate standard and a pilot is commencing at Hamilton Gate 1/2. Details for GDS risk assessment are underway.	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	502503	London/Samia IRR Program	2026	$	2,172,663	Issue/Concern/Opportunity: Review of Inside Regulator Rooms (IRR) in the LUG system and remediation as required Justification: We no longer allow IRRs as part of our standard designs as they pose various operational risks. Assets: Assets span the entire LUG system, review was done for all areas Related Investments:	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	48456	HALT: Plan(T)-Dist-Stn Measuring/Corrosion Stn	2025	$	2,151,419	Issue/Concern: Station Blankets - Spend is also allocated to each region to ensure they have capital available for unforeseen maintenance challenges. These challenges can be leaks or failures that require short turnaround times for remediation, particularly if there has not been a specific project identified for affected assets. Asset: System Station Assets Related Program: N/A	Fail	See investment description, IRPAs not applicable

Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	734941	TIMM: Iroquois Falls TBS, Station Rebuild	2028	$	2,072,823	Issue/Concern/Opportunity: The current station is experiencing frost heave due to a large pressure cut and the soil conditions that is leading to pipe movement. The existing regulation building has moved as a result and a rebuild of all regulation is required to remediate the issues. The scope will include the demolition and removal old the Regulator building. The site will receivel new fencing, grading improvements, and a new Remoter Terminal Unit (RTU) building (currently mounted outside on side of boiler building). The station is experiencing odourant injection issues, related to the Co-Gen facility. Due to the reduction in load as a result of the Co-Gen customer no longer requiring natural gas, setting Odourization injection rates with the current equipment is difficult for all flow patterns. The existing Heating building does not have adequate containment in the event of a glycol leak and will be addressed as part of this project. When the piping is remediated due to the frost heave, the site will be reduced to include only one filter. Assets: 41701002 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	100918	TBAY: 33-23-700 Arthur St TBS, Thunder Bay, Station Rebuild	2028	$	2,072,823	Issue/Concern/Opportunity: Based on 2021 Stations Engineering review, a full station rebuild is required including new inlet filter, ERX telemetry, and a CWT 1155. The most likely risk is regulation failure. The worst case scenario is significant system outage, as Thunder Bay North system backbone pipelines all lead to this station. Also, this station lies at the quadrant of a major MTO intersection. Assets: Station ID 30202014 Related Program: There are no related CS5 investments.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	734511	Martin Grove Feeder Station - Rebuild Project	2025	$	2,002,703	"Pipe, Valves & Others: Updated Mechanical Piping is required for this station New Valve's,(NPS 24 outlet NPS 30) fittings and other associated materials. New Station Inlet required due to inlet valve not being able to seal. Valve needs to be replaced with piggable valve for 20-30% SYMS III capacity. Existing Isolation flange kit will need to be replaced as it is a below grade weld x flange connection, additionally valve has shown signs of leaks. Outlet (NPS 30) valve is not operable and needs to be replaced. Heating System: Updated heating is required at this station. This would be conventional Boiler System - The station to have a design capacity of 375,000 m3/hr, the station requires 4 MMBTU heat (currently has 2.5 MMBTU available) – replace 2 MMBTU with 3 MMBTU and 750,000 BTU with 1 MMBTU (modulating boilers) Existing boiler building is good condition .Spacing requirements for new boilers will need to be reviewed. Pressure Control: New Regulation required to various flow ranges. Only 8" Control Valve run is operating (4" run shut in as the station never runs low enough flow through the station to be operable and 12" has never been required as the 8" can handle all of the flow) Replacement of Control Valve's to be included in scope of work along with inlet/outlet valves and CV runs including Isolation Valves (Inlet & Outlet valve on each run do not seal) New sense lines need to be replaced. Old Copper lines present. Odorant System: Not Required Telemetry/Electrical: New Control Wave Micro unit required and associated connections. Isolation kit required on station outlet SSD Kit. Measurement: Annubar is sized correct. No requirement for replacement. Building: New RTU Building Required, Concrete Pre-Cast Building, Existing RTU building to be removed. Compliance/Civil: Site Grading will be required and new security Fencing (Galvanized) including new swing gate and crash bar access. Existing Lands fall under a Hydro One corridor. Limited structures will be approved. Potential Receiver barrel needs to be considered at this location from Launcher location of Audubon. Communications Standard: SD WAN Communication Standard Justification (CS5)	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	48291	WIND: Plan(T)-Dist-Stn Measuring/Corrosion Stn	2032	$	1,946,145	Issue/Concern: Station Blankets - Spend is also allocated to each region to ensure they have capital available for unforeseen maintenance challenges. These challenges can be leaks or failures that require short turnaround times for remediation, particularly if there has not been a specific project identified for affected assets. Assets (2021): 04A-505I 111 Arnaud (733501), 06A-501C ADM#1 (733395), 06B-528I Coco Paving (502552), 08F-601 Dover Center (502550), 06B-607I Ford/Nemak (502549), 05A-601 Front & Malden (501512), 06B-101I Hiram Walker (503522), 07I-371 Howard & Mitton Line (503666), 03D-212C JEM Farms (503737), 04D-602 Mersea Gate (733495), 07I-401 Mull Gate (502461), 07K-405 Pegg LA (733698), Regulator Replacements (503638), 06A-612R Sunset Distribution (502551), 04D-102R Talbot & Clark (501511), 03R-104C Thiessen Flower Shop (503011), 07D-507C Truly Green (503665), 05A-309R Lasalle Gate (735790), 07G-631R St. Andrews Terrace (735789) Related Program: N/A	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	48473	KING: Plan(T)-Dist-Stn Measuring/Corrosion Stn	2025	$	1,876,688	Issue/Concern: Station Blankets - Spend is also allocated to each region to ensure they have capital available for unforeseen maintenance challenges. These challenges can be leaks or failures that require short turnaround times for remediation, particularly if there has not been a specific project identified for affected assets. Asset: System Station Assets Related Program: N/A	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	48400	WATE: Plan(T)-Dist-Stn Measuring/Corrosion Stn	2024	$	1,830,554	Issue/Concern: Station Blankets - Spend is also allocated to each region to ensure they have capital available for unforeseen maintenance challenges. These challenges can be leaks or failures that require short turnaround times for remediation, particularly if there has not been a specific project identified for affected assets. Asset: System Station Assets Related Program: N/A	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Stations	Pass	9965	2026 Telemetry	2026	$	1,781,755	Telemetry systems are required to monitor and control our pipeline system. Applicable Codes: Z662, Sec 11.26.4 provides code requirement for safe and reliable communication. The Telemetry system includes communication paths from the instrumentation at our stations to Gas Control and it allows them to monitor EGI Distribution conditions. Gas flow: For gas supply to meet nominations Leak detection: Indicated by large pressure drops Overpressure protection and Pressure Control: Condition monitoring equipment by gas control ensures gas delivery to the customers in a controlled and safe manner. Included in this program are upgrades to the Telemetry network that include: 1)Cyber Security - Ongoing upgrades to Scada system to ensure compliance with EI Cyber security standards and proposed CSA code 2)Legacy equipment - 3330 Bristol units(10/yr) must be replaced with Control Wave Micro units 3) RTU Progamming Manual - Development of manual detailing programming standards for design, security and expansion 4)SCADA - Development of maintenance layer of Scada to allow site reporting of gas consumption for boiler gas, odourant pump strokes and usage tracking, boiler diagnostics, remote engineering and automation of gate/feeder stations 5)Broadband Communication - Development of broadband links between major stations to support security (i.e. intrusion detection)	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	101103	HAMI: Combined 16Y-106R Kenora & Bancroft & 16Y-107R Bancroft & Nash, Hamilton, Vault Station Rebuild	2025	$	1,770,505	16Y-106R & 16Y-107R are underground vault station which has drainage concerns where the station is sinking further into the ground and the flooding (approximately 1 foot of water in both vaults) has washed away the gravel quite a few times. The location of the station is in a pit which makes it difficult to access the station to carry out any maintenance. There is also extensive amount of corrosion of station piping. Also, a temporary repair to the south outlet Kerotest valve was previously performed as it was leaking but this is not a guaranteed fix. As land is difficult to be found in this area, it was decided to combine 16Y-106R and 16Y-107R into one enclosure station.	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	48431	HAMI: Plan(T)-Dist-Stn Measuring/Corrosion Stn	2024	$	1,763,673	Issue/Concern: Station Blankets - Spend is also allocated to each region to ensure they have capital available for unforeseen maintenance challenges. These challenges can be leaks or failures that require short turnaround times for remediation, particularly if there has not been a specific project identified for affected assets. Asset: System Station Assets Related Program: N/A	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	3608	BROCKVILLE GATE	2028	$	1,760,680	Brockville Gate Station is located on EGI-owned property approximately 5 km from the town of Brockville, Ontario. This station accepts natural gas from TC Energy and provides supply to two separate XHP networks. Station components include measurement, gas preheat system, pressure regulation, odourant injection and a telemetry system. This station supplies natural gas to approximately 19,463 customers in Brockville region. The following issues have been identified at this station: Pipes, Valves & Others: The existing valves at this site have experienced issues in performance and operation of the valves. Valve maintenance has been unable to remediate the problem and the valves have deteriorated to the point where the reliability is no longer acceptable. All valves will have to be replaced. The inlet of the regulator runs is a challenge every year. Heating: The boiler system was replaced in 2019. However, the glycol tank and heat exchanger will need to be replaced and relocated to meet Electrical Safety Authority (ESA) requirements. Residual glycol impacts are to be evaluated and removed as required, as a result of glycol release that was reported from a boiler inside the Boiler building. Pressure Control: The regulator station has boot-style regulators posing an undesired higher risk and high associated ongoing maintenance costs. Engineering has identified that boot-style regulators operating as both monitor and operating regulators is unacceptable. The regulator runs will have to be rebuilt. Odourization: The odourant system was installed in 2000. A new Odourant building will have to be installed to ensure adequate containment in the event of a leak. The injection pumps are located in the regulator room and will have to be relocated into the Odourant building to meet current standards. Telemetry and Electrical: The size of the Remote Terminal Unit (RTU) building is not an issue but the leaky roof is. This building not only houses the RTU but also the St. Lawrence Control Centre (CC) (this is the gas control hub for Leeds, Brockville, Bethel, St. Lawrence, Summerstown and Lancaster Gate stations, as well as International Bridge CDN and USA, and Lisgar). The transfer switch, main panel, and junction box are located in the old RTU room, which is attached to the instrumentation room, but does not violate the Electrical code. Boilers were recently replaced and can be reused as well as the inlet/outlet and tank pressure transmitters. New temperature transmitters and a new tank level gauge are needed. The ultrasonic electronics should be upgraded. The main disconnect should be taken off the Hydro pole and moved to the electrical/RTU room. There should be an upgrade to the CC Uninterruptible Power Supply (UPS) system (specifically for the network switches). The odourant tank is located in an old-style, steel building. The RTU is an older Control Wave Micro (CWM), but could suffice; however, its UPS should be upgraded. There is no boiler room CO detector. The odourant injection system should be separated from the regulators. There is no weather station.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	735207	2029 RTU Upgrade Program	2029	$	1,749,680	Issue/Concern: The forecast in this category includes projects to replace all the existing remote terminal units and replace with current technology, the ControlWave Micro introduced in 2003. Many current Remote Telemetry Units (RTUs) are 3330/3310 which have been obsolete since 2009 and are no longer supported by the manufacturer. This is a standardized approach that ensures enhanced control and current communication protocols for SCADA Gas Control, odourization, measurement data collection and volume nominations. Starting in 2024, the SCADA RTU lifecycle project will take over as the current technology will be 21 years old. The benefit of these projects will be smooth migration of in-service RTU fleet to current technology using a standardized approach. Currently, these legacy RTUs are at end-of-life and deferring this work may increase failure rate drastically due to the "wear-out" effect. Asset: System Station Assets Related Program: N/A	Fail	See investment description, IRPAs not applicable

Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	101158	TIMM: 45-24-700: Porcupine Dome Mine SMS, Rebuild	2028	$	1,746,085	Issue/Concern/Opportunity: Station needs to be raised or relocated due to seasonal flooding. Mine site has been built up around the station and there is no place for Spring thaw and/or rainwater to run off. Justification: The most likely risk/scenario is above-grade frozen valves/assets. The worst-case scenario is the inability to isolate and/or shut down the station in an emergency (i.e., injury, fire, or explosion) due to frozen flood waters. Assets: Station ID 42199002 Related Investments: 735784 (the heater replacement for this station)	Fail	See investment description, IRPAs not applicable	
Head Office/All	01 - All	Distribution Stations	Pass	9966	2027 Telemetry	2027	$	1,741,005	Telemetry systems are required to monitor and control our pipeline system. Applicable Codes: Z662, Sec 11.26.4 provides code requirement for safe and reliable communication. The Telemetry system includes communication paths from the instrumentation at our stations to Gas Control and it allows them to monitor EGI Distribution conditions. Gas flow: For gas supply to meet nominations Leak detection: Indicated by large pressure drops Overpressure protection and Pressure Control: Condition monitoring equipment by gas control ensures gas delivery to the customers in a controlled and safe manner. Included in this program are upgrades to the Telemetry network that include: 1)Cyber Security - Ongoing upgrades to Scada system to ensure compliance with EI Cyber security standards and proposed CSA code 2)Legacy equipment - 3330 Bristol units(10/yr) must be replaced with Control Wave Micro units 3) RTU Programming Manual - Development of manual detailing programming standards for design, security and expansion 4)SCADA - Development of maintenance layer of Scada to allow site reporting of gas consumption for boiler gas, odourant pump strokes and usage tracking, boiler diagnostics, remote engineering and automation of gate/feeder stations 5)Broadband Communication - Development of broadband links between major stations to support security (i.e. intrusion detection)	Fail	See investment description, IRPAs not applicable	
Head Office/All	01 - All	Distribution Stations	Pass	9553	NGT Maintenance Capital for company/fleet NG refueling stations (2021 to 2032)	2032	$	1,734,619	Maintenance capital for refueling stations for EGD NGT Fueling stations only Issue/concern: The EGD Fleet department can achieve fuel cost savings and reduced emission benefits by operating the 800-plus fleet vehicles on natural gas versus diesel or gasoline. This presents an opportunity for the EGD Fleet Department to realize fuel savings and promotes the use of natural gas to other fleet operators as an alternate source for fueling vehicles at a lower cost with lower emissions. By demonstrating the use of natural gas, EGD can achieve growth in the marketplace, while realizing fuel savings. Assets: EGD currently operates 19 Natural Gas Vehicle (NGV) fueling stations on company yards. The stations includes; Amprior Yard, Barrie Yard, Beamsville Yard, Thorold Office, Brampton, Brockvill yard, Ottawa Office, Kellfield yard, Kennedy Road Yard, Midland Gate Station, Oshawa Office, Port Colbourne Yard, Peterborough yard, Shelburne Gate Station, South Merkvill, Station B, Stayner Gate Station, Enbridge Training Centre, and the VPC Office. In addition, EGD will installing two new NGT stations to fuel recently converted vehicles and dedicated light duty trucks. These two new stations (Tecumseh Storage facility and Tallman Truck Center (Kemptville)) will also, need to be maintained. Related Program: N/A	Fail	See investment description, IRPAs not applicable	
GTA East Area 40 EGD	40 - Whitby	Distribution Stations	Pass	7766	DURHAM 23 FEEDER	2024	$	1,722,361	Durham Road 23 Feeder Station is located on EGI-owned property of approximately 150 m2 fenced compound in the Township of Whitby , Ontario, approximately 3 km east of Ajax, Ontario, within a rural area in proximity to commercial establishments. This station accepts natural gas from EGI XHP and provides supply to an HP network, through components within the Pressure Control system, Heating system, and Telemetry system. This station supplies natural gas to approximately 35,000 customers in Ajax and Whitby areas. The following issues have been identified at this station: Heating: The existing controls on the Heating system have become obsolete, parts are no longer available, and the system is failing to maintain adequate heating requirements. Telemetry & Electrical: The Telemetry and Electrical systems do not meet current EGI standards and are approaching end of useful life. The existing Remoter Terminal Unit (RTU) is obsolete and is required to be upgraded to current standards along with new communications equipment in order to eliminate cybersecurity threats.	Fail	See investment description, IRPAs not applicable	
Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	735206	2028 RTU Upgrade Program	2028	$	1,719,579	Issue/Concern: The forecast in this category includes projects to replace all the existing remote terminal units and replace with current technology, the ControlWave Micro introduced in 2003. Many current Remote Telemetry Units (RTUs) are 3330/3310 which have been obsolete since 2009 and are no longer supported by the manufacturer. This is a standardized approach that ensures enhanced control and current communication protocols for SCADA Gas Control, odourization, measurement data collection and volume nominations. Starting in 2024, the SCADA RTU lifecycle project will take over as the current technology will be 21 years old. The benefit of these projects will be smooth migration of in-service RTU fleet to current technology using a standardized approach. Currently, these legacy RTUs are at end-of-life and deferring this work may increase failure rate drastically due to the "wear-out" effect. Asset: System Station Assets Related Program: N/A	Fail	See investment description, IRPAs not applicable	
Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	735204	2026 RTU Upgrade Program	2026	$	1,706,341	Issue/Concern: The forecast in this category includes projects to replace all the existing remote terminal units and replace with current technology, the ControlWave Micro introduced in 2003. Many current Remote Telemetry Units (RTUs) are 3330/3310 which have been obsolete since 2009 and are no longer supported by the manufacturer. This is a standardized approach that ensures enhanced control and current communication protocols for SCADA Gas Control, odourization, measurement data collection and volume nominations. Starting in 2024, the SCADA RTU lifecycle project will take over as the current technology will be 21 years old. The benefit of these projects will be smooth migration of in-service RTU fleet to current technology using a standardized approach. Currently, these legacy RTUs are at end-of-life and deferring this work may increase failure rate drastically due to the "wear-out" effect. Asset: System Station Assets Related Program: N/A	Fail	See investment description, IRPAs not applicable	
Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	735205	2027 RTU Upgrade Program	2027	$	1,700,751	Issue/Concern: The forecast in this category includes projects to replace all the existing remote terminal units and replace with current technology, the ControlWave Micro introduced in 2003. Many current Remote Telemetry Units (RTUs) are 3330/3310 which have been obsolete since 2009 and are no longer supported by the manufacturer. This is a standardized approach that ensures enhanced control and current communication protocols for SCADA Gas Control, odourization, measurement data collection and volume nominations. Starting in 2024, the SCADA RTU lifecycle project will take over as the current technology will be 21 years old. The benefit of these projects will be smooth migration of in-service RTU fleet to current technology using a standardized approach. Currently, these legacy RTUs are at end-of-life and deferring this work may increase failure rate drastically due to the "wear-out" effect. Asset: System Station Assets Related Program: N/A	Fail	See investment description, IRPAs not applicable	
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	48504	TBAY & TIMM: Plan(T)-Dist-Stn Measuring/Corrosion Stn	2024	$	1,689,991	Issue/Concern: Station Blankets - Spend is also allocated to each region to ensure they have capital available for unforeseen maintenance challenges. These challenges can be leaks or failures that require short turnaround times for remediation, particularly if there has not been a specific project identified for affected assets. Asset: System Station Assets Related Program: N/A	Fail	See investment description, IRPAs not applicable	
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	13034	SCRW:Station-Renewal In-Place	2025	$	1,676,446	Issue/Concern: Due to the age of the facility, the compressor station experiences process safety concerns (lack of automation, unit valves, electrostatic discharge (ESD), dehydration and incinerator systems), obsolescence issues (compressor, building, electrical), code concerns (location of recycle valve/line), lack of auxiliary power, inability to support site security devices such as cameras, and setback concerns related to neighbouring occupied buildings and the nearby rail line. Assets: Crowland Compressor Station Justification: Modernize the facility to comply with current code and design standards. Related Program: This project is under consideration in conjunction with an overall Crowland upgrade. Issues related to the wells and gathering system should be considered together with the compressor station's issues/concerns.	Fail	See investment description, IRPAs not applicable	
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	30539	HAMI: 12W-201 Hagersville Sandusk Station, Jarvis, Station Rebuild, Growth	2026	$	1,664,258	12W-201 Hagersville Sandusk Station, was flagged up by DOE as the station is flowing 28% over capacity for Winter 22/23. However, since there is no significant growth within the area, this investment is to be risk assessed under Distribution Stations portfolio. The station also has considerable amount of frost heave due to higher downstream flow and would require a heater installation. However, the current station is not designed to accommodate a heater. Therefore, it must be relocated (land purchase) and rebuilt to 9.S-144H which is a larger station with a CWT 140 heater. The current station is also located in a flood plane area; hence the station needs to be relocated. The investment is part of a multi-year plan, where land was purchased in 2023 with materials to be purchased in 2025 and station construction to take place in 2026. The expected in-service date is December 2026.	Fail	See investment description, IRPAs not applicable	
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	101199	KING: 29501001 Cornwall East Town Border Station, rebuild	2029	$	1,664,122	Issue/Concern: With the decline in much of the area's industrial load (i.e., Domtar, Cortaulds, Celanese, and ICI Chemicals), it has been extremely difficult to balance the two stations since they tend to overtake each other. This has resulted in control issues with pressure regulation, measurement and odourization issues and concerns. A redesign is required to mitigate the concerns. This rebuild is combined with the FIMP investment #501080 (Oracle/SAP #64-21-329).	Fail	See investment description, IRPAs not applicable	
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	501160	NE: 43202054 Inco Smelter, Station Modifications	2026	$	1,662,815	Issue/Concern/Opportunity: Station needs to be assessed to determine corrosion. At a minimum the following needs to be completed: Replace pipe supports with new style w/ rubber isolation. Sand blast and apply high performance coating and new insulation on existing sections that are corroded and do not require replacement. Excavate, examine, re-wrap piping and repair grading for inlet piping. Abandon post reg outside of the building. Consider filter replacement with better configuration. Remove building if there are no noise or environmental concerns. Justification: Repair damages and mitigate future station corrosion. Assets: 43202054 Related Investments: N/A	Fail	See investment description, IRPAs not applicable	
Head Office/All	01 - All	Distribution Stations	Pass	16430	2028 Telemetry	2028	$	1,660,780	Telemetry systems are required to monitor and control our pipeline system. Applicable Codes: Z662, Sec 11.26.4 provides code requirement for safe and reliable communication. The Telemetry system includes communication paths from the instrumentation at our stations to Gas Control and it allows them to monitor EGI Distribution conditions. Gas flow: For gas supply to meet nominations Leak detection: Indicated by large pressure drops Overpressure protection and Pressure Control: Condition monitoring equipment by gas control ensures gas delivery to the customers in a controlled and safe manner. Included in this program are upgrades to the Telemetry network that include: 1)Cyber Security - Ongoing upgrades to Scada system to ensure compliance with EI Cyber security standards and proposed CSA code 2)Legacy equipment - 3330 Bristol units(10/yr) must be replaced with Control Wave Micro units 3) RTU Programming Manual - Development of manual detailing programming standards for design, security and expansion 4)SCADA - Development of maintenance layer of Scada to allow site reporting of gas consumption for boiler gas, odourant pump strokes and usage tracking, boiler diagnostics, remote engineering and automation of gate/feeder stations 5)Broadband Communication - Development of broadband links between major stations to support security (i.e. intrusion detection)	Fail	See investment description, IRPAs not applicable	
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	101347	WIND - 05B-401R Smith Ind Park - Station Rebuild with Heater	2028	$	1,646,627	Issue/Concern/Opportunity: Significant frost heave and potential for regulator freeze off Justification: Rebuild station with CWT 140 heater Assets: 05B-401R Smith Ind Park Related Investments: N/A Inlet/Outlet piping requires painting.	Fail	See investment description, IRPAs not applicable	
Head Office/All	01 - All	Distribution Stations	Pass	101552	2029 Telemetry	2029	$	1,641,558	Telemetry systems are required to monitor and control our pipeline system. Applicable Codes: Z662, Sec 11.26.4 provides code requirement for safe and reliable communication. The Telemetry system includes communication paths from the instrumentation at our stations to Gas Control and it allows them to monitor EGI Distribution conditions. Gas flow: For gas supply to meet nominations Leak detection: Indicated by large pressure drops Overpressure protection and Pressure Control: Condition monitoring equipment by gas control ensures gas delivery to the customers in a controlled and safe manner. Included in this program are upgrades to the Telemetry network that include: 1)Cyber Security - Ongoing upgrades to Scada system to ensure compliance with EI Cyber security standards and proposed CSA code 2)Legacy equipment - 3330 Bristol units(10/yr) must be replaced with Control Wave Micro units 3) RTU Programming Manual - Development of manual detailing programming standards for design, security and expansion 4)SCADA - Development of maintenance layer of Scada to allow site reporting of gas consumption for boiler gas, odourant pump strokes and usage tracking, boiler diagnostics, remote engineering and automation of gate/feeder stations 5)Broadband Communication - Development of broadband links between major stations to support security (i.e. intrusion detection)	Fail	See investment description, IRPAs not applicable	

Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	102728	2025 RTU Upgrade Program	2025	$	1,593,872	Issue/Concern: The forecast in this category includes projects to replace all the existing remote terminal units and replace with current technology, the ControlWave Micro introduced in 2003. Many current Remote Telemetry Units (RTUs) are 3330/3310 which have been obsolete since 2009 and are no longer supported by the manufacturer. This is a standardized approach that ensures enhanced control and current communication protocols for SCADA Gas Control, odourization, measurement data collection and volume nominations. Starting in 2024, the SCADA RTU lifecycle project will take over as the current technology will be 21 years old. The benefit of these projects will be smooth migration of in-service RTU fleet to current technology using a standardized approach. Currently, these legacy RTUs are at end-of-life and deferring this work may increase failure rate drastically due to the "wear-out" effect. Asset: System Station Assets Related Program: N/A	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	734688	LOND: 13O-206R London Baseline Reg Station	2028	$	1,562,598	Issue/Concern/Opportunity: New building, new fencing, noise attenuation, filter upgrade (growth/capacity improvement). Justification: Partial Rebuild Assets: 13O-206R Related Investments: none	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	48577	NBAY & SUDB: Plan(T)-Dist-Stn Measuring/Corrosion Stn	2024	$	1,487,358	Issue/Concern: Station Blankets - Spend is also allocated to each region to ensure they have capital available for unforeseen maintenance challenges. These challenges can be leaks or failures that require short turnaround times for remediation, particularly if there has not been a specific project identified for affected assets. THIS COVERS SUDB AS WELL. INV COLLAPSED INTO THIS PROGRAM. Asset: System Station Assets Related Program: N/A Related Investments: 741970 Englehart TBS fence repair drawdown 8/9/23 742298 NE: Vale Clarabelle Thawshed Pilot Post drawdown 9/11/2023 742605 NE: Domtar SMS Fence repair 4080 Drawdown 9/20/2023 743238 NE:Vic Mine boiler replacement 33180 draw down 10/2/2023 743360 NE: Barnett gearbox replacement 2100 drawn down 10/11/2023 743512 NE: Parry Sound TBS Insulation 6900 drawn down 11/02/2023 743573 NE Coniston PCS A-leak repairs, 89,999 drawn down 11/22/2023 744059 NE: Lasalle TBS Insulation repair 8,767 drawn down 02/01/2024 745237 NE:Chelmsford TBS Heat Trace Repair 10,000 drawn down 4/4/2024 745343 NE: Canadore College PRS Fence Repair 24,000 drawn down 4/9/2024 735698 NE: Inco Divisional Shop Modifications drawn down 4/23/2024 746006 NE: Ferguson Rd TBS Heat Trace drawn down 6/19/2024 746007 NE: Garson Coniston PRS driveway drawn down 6/19/2024 746152 NE: Burks Falls DRS - Fence Drawdown 7/9/24 746267 NE: 43202071 Nickel Refinery fence modification drawn down 7/24/2024 746305 NE 43601001 Balls Dr TBS pilot heating drawn down 7/31/2024	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	101360	WIND - 04B-401R Howard and Pike - Rebuild with Heater	2028	$	1,479,442	Issue/Concern/Opportunity: Large pressure drop (3450kPa to 420kPa) results in regulator and pilot frosting over; significant frost heave is seen at this site; corrosion concerns Justification: Rebuild station with a CWT 140 Assets: 04B-401R Howard & Pike Related Investments: 03B-102R County Rd 20 & Con Rd 3	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	503174	TBAY: English River PCS Rebuild	2026	$	1,474,001	Issue/Concern/Opportunity: Station rebuild is requested as the current station lacks an inlet filter and has inadequate heating given the station capacity. This station also does not have telemetry, which would be beneficial to provide accurate round-the-clock outlet pressure monitoring. Relocation of the station closer to Highway 17 would also be beneficial as the driveway is 0.5km long and very rough in the winter. Relocation would reduce winter plowing expenses and allow for better site access for maintenance. Assets: Station #30701001. Related Investments: Not applicable.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	3624	Victoria Square Gate - Odorant + Heating Upgrade	2028	$	1,456,546	Pipe, Valves and Others: Current actuators on the inlet, outlet and heat exchanger valves need to be commissioned and programmed for remote control by Gas Control in the Remoter Terminal Unit (RTU). The RTU will have to be upgraded to accommodate the additional input/output (I/O) as its current capacity is full. NPS 8 Becker control valve was replaced in 2016. Fuel gas supply and meter set will be required to replace outdated station. Measurement: The existing Measurement system is scheduled for upgrade in 2019 and it is expected that this work will be sufficient for operation in 2024. No upgrade to the Measurement system is included in this business case. Heating System: Existing Heating system is not in compliance with the Area Classification and will require boiler building relocation. The boilers have recently been replaced and should continue to operate. The boiler building is location in a classified area and will have to be moved and/or remediated. Exhaust fans may resolve the issue but this will be determined in detailed engineering. Heat exchangers were recently inspected (2015/2016) and will not require replacement. Pressure Control: Low flow regulator run was added in 2017. No additional work is required on the regulation runs. Odourant: Install a new Odourant building as the current metallic odourant building is without adequate containment. This building rusts, leaks in rain and spill response is hampered due to difficulty wrapping the building. The tank has bottom connections to feed the injection pumps. Odourant pumps are also in a different building and will be located appropriately in the same building as the 3,500 gallon odourant tank. This tank will have to be upsized. Telemetry/Electrical: RTU replacement is required from an old Bristol 3330 to a new control wave RTU. RTU upgrade is required as the current design has no available expansion capacity to accommodate new actuator, measurement inputs, additional methane and CO sensing. This will require a new RTU building. Electrical Safety Authority (ESA) compliance Issues will be resolved by relocating electrical equipment. Upgrades to station wiring will be required to allow for new instrumentation. The electrical service will be upgraded to accommodate the new station loads. A new station grounding network, updated anti-climb tower, and updated instrumentation will be installed to meet current standards. A generator (installed 1999) and UPS system will be installed for backup power requirements in the event of a power outage. A new modem and firewall, improved station lighting, odourant tank instruments, and a weather station will be installed to meet current standards. Electrical upgrades are required.	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	502662	NE: 42801004 - Cobalt TBS, Rebuild	2025	$	1,450,976	Issue/Concern/Opportunity: Frost heave in the spring. Rebuild required (addition of heater & new pad). Justification: Station requires rebuild with the addition of a heater to prevent frost heave damage in spring and to protect the gas supply of the downstream system. Assets: Station 42801004 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	100914	TIMM: Val Rita TBS, Rebuild	2025	$	1,395,825	Issue/Concern/Opportunity: Rebuild is required due to excessive frost heaving. Needs a station heater. Sweep tank tubing is too low to the ground. The fence requires replacement. Grade/runoff work, station is in a low area where burms, ditching, and culverts are in need of repair/replacement. The most likely risk is failure/leak (transmission pressure). The worst case scenario is injury/fatality due to catastrophic failure. Also, risk of shutdown during winter conditions, including customer loss, potential uncontrolled release, and/or brand/reputation risk.\ Execution of this project will be undertaken by Alliance Partner to ensure it is successfully completed by 12/31/22. See the attached photo for additional clarity. Please see the attached photos for further clarification. Assets: Station ID 41406001 Related Program: There are no related CSS investments.	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	502088	TIMM: 45-22-702 Kirkland Lake (Northland) Power SMS Rebuild	2028	$	1,373,491	Issue/Concern/Opportunity/Justification: Station needs to be rebuilt. Due to safe working pressures and min. inlet pressures, they want to change 6 of 8 EZR with EZH for the integrity work upcoming. The EZR is a top entry and easy for the Techs to complete maintenance on when required. The EZH must have the head removed in order to complete any type of internal. The head on a 3 inch PN 100 EZH weighs 200 lbs. We are experiencing meter issues at this station (burn out a turbine, about 1 per year), the filter size is in question, the 1st cut regulators were installed on the vertical piping and are crammed in a corner and there is no heater here (where we would install if built today). Assets: Station #42501013. Related Investments: None.	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	502506	Hamilton IRR Program	2025	$	1,365,919	Issue/Concern/Opportunity: Review of Inside Regulator Rooms (IRR) in the LUG system and remediation as required Justification: We no longer allow IRRs as part of our standard designs as they pose various operational risks. Assets: Assets span the entire LUG system, review was done for all areas Related Investments:	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	48352	LOND: Plan(T)-Dist-Stn Measuring/Corrosion Stn	2025	$	1,363,414	Issue/Concern: Station Blankets - Spend is also allocated to each region to ensure they have capital available for unforeseen maintenance challenges. These challenges can be leaks or failures that require short turnaround times for remediation, particularly if there has not been a specific project identified for affected assets. Asset: System Station Assets Related Program: N/A	Fail	See investment description, IRPAs not applicable
GTA East Area 40 EGD	40 - Whitby	Distribution Stations	Pass	7763	CATHCART & STEWART DISTRICT	2027	$	1,325,124	Cavan Border Station, or Cavan Feeder Station, or Cathcart and Stewart District, is located on Enbridge owned property of approx 800 m2 fenced compound in the Township of Monaghan, Ontario, approximately 7km west of Peterborough, within a rural community, in close proximity to residential homes. This station accepts natural gas from Enbridge XHP pipeline and provides supply to 2 separate XHP networks and an IP network, through components within the Pressure Control system and Telemetry system. The following issues have been identified at this station: VALVE & PIPING: the existing valves at this site have experienced issues in performance and operation of the valves. Maintenance has been performed to attempt to remediate the valves, however, the valves have deteriorated to the point where the reliability is no longer acceptable . PRESSURE CONTROL: the current regulator configuration requires a high level of maintenance requirements in order to meet the compliance inspection procedures, resulting in high maintenance costs and employee safety threats. TELEMETRY & ELECTRICAL: The RTU is an old Bristol 3330 and the electrical system does not meet current ESI standards, and are approaching end of useful life. The existing RTU is obsolete and is required to be upgraded to current standards along with new communications equipment in order to eliminate cyber security threats.	Fail	See investment description, IRPAs not applicable

GTA West Area 50 EGD	50 - Barrie	Distribution Stations	Pass	7756	RUGBY GATE	2026	$	1,319,023	Rugby Gate Station is located on EGI-owned property of approximately 1,350 m2 fenced compound in the Township of Oro-Medonte, Ontario, approximately 7 km from Orillia, within a rural area. This station accepts natural gas from TC Energy and provides supply to an XHP network, through components within the Measurement system, Pressure Control system , Heating system, Odourant system, and Telemetry system. This station supplies natural gas to approximately 20,000 customers in the Coldwater, Midland area. The following issues have been identified at this station: Measurement: The current system does not provide measurement of the individual outlet supplies. Visibility to each outlet supply provides greater redundancy to the existing measurement and improved response capabilities. Valve & Piping: The existing piping within this station have been assessed to be in poor corrosion condition with identified degradation of the piping. HEATING: the existing boilers at this site are 16 years old, they have had 5 trouble call/failures over the past year including failures of the motors and pumps, burner lock-outs and exchanger failures. Due to recent and upcoming customer growth in the Barrie area, the existing Heating system will not be capable of supplying the heating requirements to meet the demand. Odourization: The Odourant system was installed in 2003. The current configuration of the Odourant system does not ensure adequate containment of the odourant product in the event of a leak and does not meet the current engineering standards and approvals. Telemetry & Electrical: The existing Electrical system does not meet current EGI electrical installation standards. This poses a potential electrical hazard and faulty wiring may result in lost communications. Compliance: The existing Boiler building is located within a hazardous area and will have to be relocated.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	101001	14365A - BIRMINGHAM & KIPLING DISTRICT	2028	$	1,288,832	Issue/Concern/Opportunity: (from Field) Inlet valve issues Justification: Inlet valve issues Assets: District Station 14365A	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734758	King: Strathcona TBS 2-81-02-001 Rebuild	2027	$	1,276,213	Station Rebuild - Upgrade to modern - rebuild . Obsolete regulator hardware and measurement equipment. Old orifice meter with lack of available parts. Maintenance of the station would be difficult due to the lack of availability of parts. This rebuild is combined with the FIMP investment #736614 (Oracle/SAP #64-22-300).	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	100833	WATE: 21T-301 Salem Gate Station, Salem, Station Rebuild (Capital Maintenance), Obsolete CWT Heater,Projit 07-22-711	2028	$	1,264,422	Issue/Concern/Opportunity: Obsolete heater system, needs to be replaced. Heater is also undersized for what it currently needs. In 2019 the 1st cut of the station was rebuilt. When this happened the connection for the 1st cut was taken upstream of the heater. since then, only the 2nd cut is heated. Station ops would like both cuts to be heated as there's concerns on frost heave at the two down stream stations that cut feeds. Justification: Ensure reliable and safe operation of Salem Gate Station and elora south & Alma stations Assets: 21T-301 Salem Gate Station Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	503830	61171A - HURDMAN FILTER UPSTREAM OF EXISTING HURDMAN DIST	2027	$	1,242,474	2022 estimate only for material purchasing Issue/Concern/Opportunity: (from Field) Justification: Assets:	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	733809	Parliament & Winchester Station Replacement - Execution Phase	2028	$	1,188,120	Phase 2 (Execution Phase) of the Parliament and Winchester Station Replacement Phase 2 project was created because original investment 1217 exceeded 5-years. The first station purchased in 2017 will not be used for this station rebuild and will be repurposed for future projects.	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	100615	WATE: 17T-202 North Dumfries Distribution Station, North Dumfries, Station Rebuild (Obsolete Heater)	2029	$	1,158,145	Issue/Concern/Opportunity: Operational and environmental risks associated with the station. - Heating system is antiquated. Nadco indirect heater >30 years old. - Replacement parts for heating system difficult to source and lead time is long, which is an issue in case of emergency repairs. - Lots of ignition issues experienced. Ignition system is unreliable - SMC technician has to frequently visit to restart ignition especially during warmer winter days. - Estimated to require an additional 48 manhours per winter season, to keep heating system operating properly - Sizable amount of glycol used by heater, potential for spills and there's no containment system. Adjacent to the station are farmlands and several large homes. Justification: Heater replacement is recommended to ensure reliable and safe operation of heating system, and reduce environmental risks. Assets: North Dumfries Distribution Station (17T-202) This rebuild is combined with the FIMP investment #503101 (Oracle/SAP #64-21-323).	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	101084	HAMI: 16Y-201R Cascade & Lanark, Hamilton, Vault Station Rebuild	2025	$	1,117,036	16Y-201R is an underground vault station that has corrosion issues where pipe and vent are shorted due to vault boxes. Cannot be tested due to valve being non-operable. Station rebuild needs to be immediately addressed as further deferral increases the likelihood that the vaulted station may fail due to lack of replacement parts. The station has drainage concerns where the station is sinking further into the ground and the flooding (approximately 1 foot of water in both vaults) has washed away the gravel quite a few times. The location of the station is in a pit which makes it difficult to access the station to carry out any maintenance. There is also extensive amount of corrosion of station piping.	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	503214	WATE: 19S-603 Waterloo-Laurel Creek Station, Waterloo, Station Rebuild (Capital Maintenance) glycol leak obsolete CWT heater	2026	$	1,077,155	Issue/Concern/Opportunity: The heating system at Laurel Creek Station is very old, and previously experienced a glycol leak due at a pressure switch. Also, the heating system uses underground glycol lines, and is in close proximity to a body of water (Columbia Lake) as well as ORCA lands. Justification: Replacement heating system will reduce risk of above grade / underground glycol leaks, which is costly from a financial and environmental perspective. Assets: 19S-603 Waterloo-Laurel Creek Station Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	101131	HAMI: 16X-225R South Bend & Upper James Station, Hamilton, Vault Station Rebuild	2025	$	1,072,086	16X-225R is an underground vault station which has drainage concerns where the station is sinking further into the ground and the flooding (approximately 1 foot of water in both vaults) has washed away the gravel quite a few times. The location of the station is in a pit which makes it difficult to access the station to carry out any maintenance. Also, there is no token relief present to alert monitor operation leading to overpressure if operator and monitor were to fail. Other than the drainage concerns, the station is in decent shape. The station needs to be relocated when rebuilt as the station is on the edge of someone's backyard which requires purchase of land.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	17403	NGT Existing customer Maintenance Capital - (+2027)	2032	$	1,071,130	Issue/concern: EGI Fleet operators can continue to achieve fuel cost savings and reduced emission benefits by investing in the wellbeing of the NGV station. This can be achieves by adopting continuously upgrading the major NGV equipment as part of the maintenance strategy. By upgrading the major NGV equipment, EGD can extend the life cycle of the equipment, resulting in a more cost effective way of operating the NGV stations. Assets: There is a number of current NGV Station EGI maintains.	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	735226	WATE: 19U-201 Guelph West Gate Stn. Heater Replacement	2029	$	1,062,943	Issue: This heater is old and takes a lot of maintenance to keep it running throughout the winter. It's also quite large and holds a large amount of glycol with external above ground glycol lines. Justification: There is a wetland beside the station and a glycol leak could be quite damaging to that ecosystem. Technician time and labour is extensive and replacing with a CWT could allow for tech to focus on other issues. Asset: 19U-201	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	100617	WATE: 18U-504 Cambridge East Distribution Station, Heater Replacement (Obsolete Heater) 07-24-701	2029	$	1,047,668	Issue/Concern/Opportunity: Heating system is starting to become obsolete. Efficiency of the boiler is poor and SMC has noticed that the frequency of issues with the boiler has significantly increased over recent years, many fixes required to keep boiler running. Also, the heating system uses glycol as the transfer medium via above grade transfer lines. Justification: Heater replacement is recommended to ensure reliable and safe operation of heating system and reduce environmental risks. Assets: Cambridge East Distribution Station (18U-504) This rebuild is combined with the FIMP investment #503100 (Oracle/SAP #64-21-322).	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	503332	WIND - 06B-403 California Ave station	2025	$	1,038,196	Issue/Concern/Opportunity: There are asbestos concerns. The converted NATCO heating system is out of date. There are hazardous area concerns. The maintenance of station is an ergonomics concern. The residential neighbourhood location not ideal. There is no containment for glycol. Justification: Station rebuild. Assets: 06B-403 Related Investments: Not applicable. Update: 2025-Jan-09 - Rebuild was removed from project name as this project scope and budget was reduced. 2025 Scope of Work oReplace the heater oOrder the regulators and reliefs for the District to replace. [There were other comments about the need for a welder and if replacement parts would be like for like and therefore the same size to easily replace. oRemoval of the glycol tank would be part of the WBS for dismantlement and not part of the Capital budget. 2026 Scope of Work ofilter support replacement, and odoor installation within the internal wall of the mechanical building.	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	737316	TIMM: Customer SMS, Kapuskasing Odourant Addition	2028	$	1,036,411	Issue/Concern/Opportunity: Adding a MOIS system with the ~500 gallon tank, and a building. Justification: Stations Engineering has identified that this customer requires odorant to be in compliance with code Assets: 41401011 Related Investments: NA	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	740307	WATE: 23R-602 Rothsay Distribution Station, Full Station Rebuild, Obsolete heater and load growth	2026	$	1,029,533	Issue/Concern/Opportunity: Contract customer increased loads driving full station rebuild. Current 140 heater cannot keep up and is undersized. Full rebuild would include heater upgrade Justification: Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	735730	TIMM: Monteith CMS	2029	$	1,004,337	Issue/Concern/Opportunity: Evaluate sites and consider if they want to install permanent regulation, or provision for regulation. Alternatively, build a skid for this site and plumb it in, and store it at that site. Then it could be taken somewhere else temporarily if needed. GPS 48.851041, -80.702847 Justification: We do not currently have regulation on this section of transmission pressure pipe. Assets: STN 41901001 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	101125	HALT - Centennial and Guelph Line Vault Station	2027	$	1,001,875	Issue: Replacement of vault station. This is part of on-going initiative to ultimately eliminate all vault stations in the district. 18X-603R	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	101126	HALT: 17X-321R Industrial St, Halton, Vault Station Rebuild	2025	$	1,001,875	17X-321R is an underground vault station identified as part of Below Ground Vault Replacement Program, an ongoing initiative to eliminate vault stations in the district. The station has drainage issues (station full to the brim with water) along with the relief in the last 2 years. Station parts to be purchased in 2024. The expected in-service date is December 2025.	Fail	See investment description, IRPAs not applicable

Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	502704	NE: 43601001 - Balls Dr TBS, Rebuild	2028	$	984,591	Issue/Concern/Opportunity: Station requires a complete rebuild to a 9.5-146H with monitor-operator regulator setup or complete decommissioning with upgrade of Muskoka Falls #43602001 & potentially add another 1210 to 420 kPa cut along Cedar Lane. Current station location is in parking lot of mall with limited property, may be advantageous to reinforce Muskoka Falls w/ new PRS and decommission Balls Drive TBS. Justification: Rebuilding station will eliminate reliablity concerns and improve the downstream system. Assets: Station 43601001 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	101133	HAMI: 16K-342R, Ferrie and Wellington Vault Station Replacement	2025	$	980,095	16K-342R is an underground vault station which has drainage concerns where the station is sinking further into the ground and the flooding (approximately 1 foot of water in both vaults) has washed away the gravel quite a few times. The location of the station is in a pit which makes it difficult to access the station to carry out any maintenance. There is also extensive amount of corrosion of station piping. Also, there is no token relief present to alert monitor operation leading to overpressure if operator and monitor were to fail. The relief Kerotest valve is leaking and requires immediate repair.	Fail	See investment description, IRPAs not applicable
Northeastern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	100920	TIMM: 45-23-700 Hearst TBS Rebuild	2024	$	973,250	Issue/Concern/Opportunity: According to a geological investigation completed on this station in 2021 it was determined that the existing facilities have undergone movements (frost heave, sinking, erosion) which have caused structural damages between the existing buildings and interconnecting pipeline facilities. The operations department also confirmed that heaving/ movements have been an ongoing issue at this station since it was rebuilt in 2004. There is a need to replace the station or remediate existing soil, due to extensive ground movement and assets. This site was constructed new in 2005 and experienced significant movement by 2008. The site has been reworked once already and now requires additional work. A cost analysis should be considered to compare reworking the existing site versus relocating the station. Assets: Station ID 41301001 Related Program: There are no related C55 investments.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	746188	22-25-707 Trenton TBS - Boiler Replacement & E-Gen Install	2025	$	942,977	Current boiler is over 30 years old and spare parts are becoming obsolete. There is no redundant heating available at this station and there is a large contract customer downstream (DND Trenton). This station also required a back up generator because of the contract customer	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	737100	NE: 44604001 - Powassan TBS Rebuild	2028	$	932,770	Issue/Concern/Opportunity: Rebuild TBS to include PRS or tie over main on Big bend Ave. The PRS has severe frost heave and the TBS should be rebuilt to company standards. PRS down the street can be abandoned/removed. Justification: Rebuild the station will improve reliability and ergonomics at the station. Risk of freeze off will be reduced and the PRS can be removed. Assets: 44604001 - Powassan TBS Related Investments:	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	18818	BAY & SCOLLARD DISTRICT LP	2027	$	916,003	Issue/Concern: SPRING BELOW GROUND BOX AGE: 11.8 Customer Count: 154 Utilization: 0.1674586 # of Regs/Avg Size: 4 / 0in - Although station is underground, the inspector suggested it should not be priority for rebuild as its in good condition overall Assets: Related Program (if applicable): N/A	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	101068	NE: 13403001 - Customer, Rebuild	2027	$	913,347	Issue/Concern/Opportunity: Frost heaving at station that requires civil work and new supports. Station also requires addition of heater to help mitigate heaving in the future. Continued frost heave could cause pipe bending and fittings to become misaligned which could result in a leak. Justification: Major contract customer that would be financially impacted by shut down of the gas service. Assets: Station 13403001 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	18890	MILTON & OXFORD DISTRICT	2025	$	904,829	Issue/Concern: Net Ops Score: 5 BOOT ABOVE GROUND AGE: 26 Customer Count: 198245 Utilization: 0.1682232 6" axis, station is ok shape. # of Regs/Avg Size: 4 / 0in Submitted by: Joe D. Assets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	503183	Albion Feeder Station Control Valve Upgrade	2025	$	901,983	At Albion Gate, valve FS4201D controls the flow rate from the EGT line to the TC Energy Kings North outlet. All gas flowing to TC Energy must pass through the valve; there is no bypass, isolation, or redundancy included in the existing design. If this valve (FS4201D) failed (and required maintenance), the inlet to both the EGI system and TC Energy's outlets would be affected. The original purpose of the valve was to control flow to TC Energy to their contractual limit when flows on the EGT line were at their peaks. This control would guarantee the inlet pressure to the station feeding the EGI XHP systems which would be sufficient during peak operations. It was expected that this valve would be primarily 100% open and only be in service on the coldest of high-market demand days. Utilization was expected to be less than 10% of the winter days. In the winter period November 1, 2020 to February 25, 2021, the valve had been less than 100% open, 50% of the time (1407 hours / 2788 hours – source SCADA). Gas Control has utilized this valve more often for two purposes: (1) to carry higher pressure to Albion Gate for the distribution station; and (2) to maintain the operation of Parkway West compression within tolerances. Parkway West compressors are each 40,000 HP plus units. For the units to operate in their limited emission mode, both the volume pumped by the compressor and the lift across the compressor must be maintained within specific ranges. Using FS4201D at Albion to limit flow to TC Energy allows the EGT line to act as a buffer for the compression. Compression volumes and lift can be maintained by operating the EGT line at higher pressure on warmer days. Communications Standard: SD WAN Communication Standard Justification (C55) Based on the current Communication Standard, the approved model is DIGI WR-31/21 modem's in order to support communication path from field to SCADA network. The DIGI WR-31 model is no longer being supported or available for purchase. As a result, we are looking to align the new approved communication standard to the SD-WAN Model across the corporation including GDS and STO business units. This SD-WAN model has been proven and rolled out amongst LP & GTM in 2023. SD-WAN will organically replace the current structure of DIGI from 2024 and beyond. There will be 3 categories to select from based on the specific station perimeters deemed by SCADA/TIS. Risks: With no bypass and a single valve, a failure of the valve to open when needed will not allow EGI to deliver contracted quantities to TC Energy. Although this station rarely operates in summer months, summer would be the only time to work on the valve controls. Recommendation: Identify the appropriate design for the control valve feeding TC Energy Kings North that will meet EGI's control, bypass, and maintenance	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	735235	WATE: 215-601 Fergus 1st Trans Stn FIMP, Heater Replacement, Obsolete heater (Capital Maintenance)	2029	$	898,056	Heating System Replacement Assumed to be 150k for Heating Replacement	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	101081	HALT-Winston Churchill & 10 Side Rd	2029	$	896,965	Issue/Concern/Opportunity: Corrosion fault, pipe and vent is shorted to vault boxes, Can't be tested due to valve non-operable Justification: Part of Below Ground Vault replacement Program. Deferral increases likelihood that the vaulted station may fail because of the lack of replacement parts. Related Investment: 100514 combine this vault station with Hall Rd Relocation Vault station replacement.	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	503331	WIND - 06C-401 Manning Rd station rebuild	2029	$	893,900	Issue/Concern/Opportunity: FIMP acquired boiler assessment; Heater system contains 4000-5000L of glycol; Justification: heater replacement Assets: 06C-401 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	100992	18M-301 Hensall Gate	2025	$	892,533	Ergonomic issue Undersized heater Possible hazardous area concerns Equipment that should be removed Access issues No backfeed 381 Customers Affected	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	100996	13P-101R Sovereign & Gore	2027	$	872,560	Issue/Concern/Opportunity: There is frost heave impacting the road outside of station. Stations where a high pressure reduction occurs can be subject to freezing of station components, which may cause a loss of pressure control if there is moisture in the gas, heaving of the station piping if there is moisture in the ground surrounding the station, or the temperature reduction of the gas could cool the downstream piping and impact the surrounding grounds including the potential to damage roads. The effects of the Joule-Thomson Effect. Ice buildup is visible on the downstream components and the station assembly is misaligned due to heaving. Consequence on a 35DD ION: The southeast corner of London will have low pressures and areas dropping below minimums. Approximate number of customers Lost: 3,600+, Major customers lost: large Customer Assets: Tembec Spruce Falls SMS (41402004) Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	502700	WIND - 06B-401 Grand Marais - reg repl & liquid tank	2030	$	871,592	Issue/Concern/Opportunity: Liquids in regs; IP regulators are axial flows which are high maintenance and not ideal for this scenario Justification: Addition of liquids tank to remove any liquid from entering regulators; upgrade regulators Assets: 06B-401 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	502472	16P-501R Medina Gate & MOP Upgrade	2026	$	869,312	This rebuild is combined with the FIMP investment #736637 (Oracle/SAP #64-22-314). Frost Heave Containment Issue 379 Customers Affected	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	502162	A80 LP District Station Risk Mitigation Program	2025	$	860,728	Issue/Concern/Opportunity: In response to the Columbia Gas Incident that occurred on Sept. 23, 2018, EGI Stations Engineering completed a comprehensive review of both the existing Design Policies and Procedures, and an assessment of the existing LP Systems across LUG and LEG areas to remediate any high risk items. High risk items were completed in 2019. A regional review of the existing LP stations to develop both short/long term strategies to minimize the additional risks identified in the 2019 review and to include mitigation work into the 10 year asset plans This review to be completed by Nov 2020. This program has been put together to execute on the short-term recommendations from Stations Engineering for A80. Justification: Area 80 has 138 active LP Stations that have a number of concerns that will be addressed as short term and longer term risk treatments. The short term plan has the following rankings from station engineering 1) Rank High, 33 stations, common defects: High OPP concerns (i.e. vents too low, restriction on relief vents), Immediate rebuild due to condition/design configuration (i.e. single run stations with inadequate OPP, single run serving single sourced networks, inaccessible inlet/outlet valves, corrosion, age) 2) Rank Medium, 49 stations, common defects: Missing ERX on network, Missing 2nd layer of OPP, Sense line trees/sense line off relief stack, Cross installation of pressure control manufacturers, ERX Sense line issues 3) Rank Low, 56 stations, common defects: Protection required, Station will be shortly abandoned, No immediate OPP concerns but requires confirmation of orifice sizes for regulators Assets: LP District Stations Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	736870	WATE: 31Q-402R Wickien Gate, Boiler Addition, Proj#	2028	$	852,856	-Our latest station settings review shows a model that requires this station to be flowing at approximately 50 PSI to match the outlet of Owen Sound Gate. We tried this in the past and it did help support the low section around Springmount and west side of Owen Sound. The negative result was damage to the county roadway by frost heave on the station outlet under the road bed. The frost heave caused significant enough damage to the road to require warning signs be installed for drivers to slow down. -The action we took at the time was to set the station low enough that it wouldn't flow. 45 and 40 PSI -The station would benefit greatly with the addition of a station heater so we could flow without risk of municipal damage.	Fail	See investment description, IRPAs not applicable

Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	733756	SSM: Goulais Ave TBS Algoma 4, Boiler Replacement	2026	$	850,385	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 3 x Viessmann 1.05M Heater installed in 1993 at this station are set to be replaced in 2023 (Heater to be 30 years old at time of replacement). Heater will have met the replacement criteria at this time. Added issue per discussion with D Watson, consider Generator addition at same time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 45101117 - Goulais Ave TBS Algoma 4 Related Investments: NA	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	100829	WATE: 19U-601 Guelph Highway 24 Gate Station, Guelph, Station Rebuild (Capital Maintenance), Proj# 07-21-711	2027	$	818,289	Issue/Concern/Opportunity: Due to severe icing issues, accessing and turning of station valves has been very difficult during the winter seasons. In addition, frost heave issues has caused visible damage on Highway 124, which may become a concern with the City of Guelph. Also, Highway 24/124 will be rebuilt with roundabouts near where the station is located in the future, which will require the station to be moved. Justification: Risk Assessment in 2018 deemed station a L1 C4 RRIII issue. In the event this station were to freeze off on an average winter day (=25DD=-7deg C), we would lose 2837 customers, none being contract, as this is the sole feed into the area. Assets: Guelph Highway 24 Gate Station 19U-601 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	733375	TBAY: New Station at Mercury Ave & Maple Station Retirement (Atikokan)	2028	$	812,287	2022 spend for material purchasing only Issue/Concern/Opportunity: Retire Maple Crescent station (30703019) in Atikokan and build a new station at the old Mercury St DRS (48.76022756, -91.6102990). This is to accommodate an improved station location and retire the Maple station (which will no longer be required after completing the new Mercury station build). Maple Crescent DRS has also experienced multiple leaks, resulting in numerous odour calls and complaints at the station. Fixable leaks have already been repaired, but some are unable to repaired economically on this outdated station configuration. Execution planned with internal Regional Company Crew. Assets: 30703019 Related Investments:	Fail	See investment description, IRPAs not applicable
Hamilton Area 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	735149	HAMI: 14X-104 Caledonia North Station, Haldimand, Maintenance	2025	$	804,333	14X-104, Caledonia North Station, is in a low-lying area near roadside ditch with the ditch being occasionally washed leading to erosion along with constant humming (load issue) and the station freezing over between Nov - May. Additionally, the station is a trip hazard, the station valves are hard to turn, access to the station is from the side fence gate which is on private property, and extensive corrosion with metal flaking off with the paint. Hence a station relocation is needed to combat these issues. The station is very badly corroded and has leaks on flanges. Due to safety concerns, the station techs do not feel comfortable to repair/test. Now that investment #739185 which includes the installation of the new expanded capacity Caledonia North Dist Station is installed (Oct/24), this investment #735149 would only require the installation of 6"PE I.P. main from the new Caledonia North Station (Stanley Ave) to the 4"PE main on Argyle St N and the abandonment of the old Caledonia North Station. This work is to be carried out in 2025.	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	102993	TBAY: Martha at Red River Station Rebuild	2029	$	803,470	Issue/Concern/Opportunity/Justification: Rebuild and relocation of the Martha at Red River station is recommended by station engineering as a remediation for the issues with the valves. Geotech, surveying, and property purchase required. The valves are not able to be utilized as intended, and reads are occurring at the outlet valve. Other issues as this station include but are not limited to : ⁉Single valve bypass (single valve between 2 MOPs) ⁉Small working area around the station ⁉Testing concerns on the regulator and relief valve ⁉Potential concerns on the corner of 2 streets (protected by a concrete sidewalk wall) - 48.440176, -89.240989 Assets: Station ID 30203126. Related Investments: There are no other related C55 investments.	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	7760	VINELAND GATE	2027	$	796,543	Scope Work: Heating System: The existing heating system will be removed and replaced with a CWT unit outside of any hazardous area. ineland Gate Station is located on Enbridge owned property of approx 2000 m2 fenced compound in Licoln Ontario, approximately 5 km from town, within a rural/urban area, in close proximity to Vineland. This station accepts natural gas from TCPL and provides supply to 2 separate XHP networks, through components within the Measurement system, Pressure Control system , Heating system, Odourant system, and Telemetry system. This station supplies natural gas to approximately 7000 customers in Thorold Region.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	7773	NEILSON RD FEEDER	2027	$	793,164	Neilson Rd Feeder Station is located on Enbridge owned property of approx 1,100 m2 fenced compound in the City of Scarborough , Ontario, approximately 300m from Malvern Shopping complex, within a urban residential area, in close proximity to several residential homes. This site has received numerous noise complaints from residents in the area. This station accepts natural gas from Enbridge XHP and provides supply to separate HP and IP networks, through components within the Pressure Control system, Heating system, and Telemetry system. This station supplies natural gas to approximately 80,000 customers in Markham and Scarborough area. The following issues have been identified at this station: MEASUREMENT: the current system does not provide measurement of the individual outlet supplies. Visibility to each outlet supply provides greater redudancy to the existing measurement and improved response capabilities. TELEMETRY & ELECTRICAL: the existing electrical system does not meet current EGI electrical installation standards. This poses a potential electrical hazard and faulty wiring may result in lost communications OTHER: Compliance issue with Canadian Electrical Code (wiring and grounding) and Ontario Building Code (inadequate lighting)	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	739155	HALT: Georgetown TBS Rebuild, 21X-401R	2025	$	787,641	Issue/Concern/Opportunity: Frost Heaving of outlet piping is resulting in damage to municipal roads. The station needs a heating system upgrade. In addition, a growth project had been scheduled in 2029 which would drive a station rebuild. Justification: Frost heave issue needs to be resolved so as not to damage municipal infrastructure. Because a full rebuild is forecasted for 2029 it is recommended that the rebuild be advanced to reduce the total expenditure in this asset over time. Asset - Georgetown TBS 21X-401R station rebuild was set for 2029 (HALT FBPSTN 2029_21X-401R).	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	101608	WIND - 06D-401 Belle River Gate - Replace heater	2027	$	772,502	Issue/Concern/Opportunity: Converted NATCo boiler system reaching end of life cycle Justification: Proposed replacement with a CWT 385. If project is deferred let FIMP know as heater inspection may be required. Assets: 06D-401 Belle River Gate Related Investments: This rebuild is combined with the FIMP investment #736649 (Oracle/SAP #64-22-3221.	Fail	See investment description, IRPAs not applicable
Hamilton Area 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	735047	HAMI:15W-371, VOORTMAN STN, Heater Replacement	2026	$	764,928	The current heating system is not adequate for the loads that is being noticed at the station as the heater can barely keep up with the heating demands. Due to this, the station has extreme frost heave issues. Also, this station only has single cut regulation which is adding to the frost heave issues.	Fail	See investment description, IRPAs not applicable
Hamilton Area 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	746309	HAMI - 16X-218R: Hillcrest Station, Building Assessment, Regulator and Relief Change	2025	$	744,335	This investment is linked to 101345. Due to budget constraints, the project has been split into multiple phases. This investment captures the building assessment that is to be carried out in 2024 and regulator and relief change to be carried out in 2025.	Fail	See investment description, IRPAs not applicable
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Stations	Pass	503639	BRAN: 17U-302 Brantford Transmission Station, Brantford, Orifice Plate Removal (Capital Maintenance), Proj#	2028	$	734,860	Issue/Concern/Opportunity: Need to replace existing orifice meter with a turbine meter (140 or 230), straightening veins, and auto oiler. Justification: Address maintainability issue with orifice filter (freezing in winter), as well as to accurately measure future flow for telemetry system due to rapid growth in Brantford area. Station Operations has identified an issue with the odorant system under "low flow conditions" measurement isn't being read properly by the existing orifice plate which leads to not enough odorant being added to the systems outlets. The proposed solution is to replace the old orifice plate with a new turbine meter. This would require a filter Seperator be installed upstream of the meter. Additions would include the filter, meter, straightening veins, auto oiler. telemetry upgrades. Telemetry upgrades would be meter pressure and temperature and auto oiler. Existing RTU would have to be reviewed to see if there's 3 spots left for inputs. All pipe is 12" Steel Asset: 17U-302 Brantford Transmission Station. Related Program: N/A	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	7759	THOROLD TOWNLINE GATE	2029	$	721,943	Thorold Townline Gate Station is located on Enbridge owned property of approx 4350 m2 fenced compound in Thorold, Ontario, approximately 5 km from town, within a rural/urban area, in close proximity to Thorold Park. This station accepts natural gas from TCPL and provides supply to 1 XHP network, through components within the Measurement system, Pressure Control system , Heating system, Odourant system, and Telemetry system. The following issues have been identified at this station: MEASUREMENT: the current system does not provide measurement of the individual outlet supplies. Visibility to each outlet supply provides greater redudancy to the existing measurement and improved response capabilities. PRESSURE CONTROL: the regulation system is undersized and not capable of supplying the demand required to meet the customer growth in the Thorold area. The configuration of the existing regulators are double boot , posing an undesired higher risk and high associated ongoing maintenance costs. TELEMETRY & ELECTRICAL: the existing electrical system does not meet current EGI electrical installation standards. This poses a potential electrical hazard and faulty wiring may result in lost communications.	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Stations	Pass	9552	NGT Existing customer Maintenance Capital - (Until 2026)	2026	$	703,298	Maintenance capital for refueling stations for external customer stations only Issue/concern: EGI fleet operators can continue to achieve fuel cost savings and reduced emission benefits by investing in the wellbeing of the NGV station. This can be achieved by adopting and continuously upgrading their NGV equipment as part of the maintenance strategy. By upgrading major NGV equipment, EGI can extend the life cycle of the equipment, resulting in a more cost-effective way of operating the NGV stations. Assets: There are a number of current NGV stations EGI maintains	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	733869	TBAY: Belrose PCS, Boiler Replacement	2029	$	703,036	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: Laars HH-3050 Heater installed in 2005 at this station are set to be replaced in 2029 (Heater to be 25 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 30201003 - Belrose PCS Related Investments: NA	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	734625	TIMM: Val Gagne TBS Rebuild	2026	$	680,308	Issue/Concern/Opportunity/Justification:The station piping has shifted significantly. Not equipped with station heater. Single cut from transmission pressure to 40 psi. No telemetry. Power is available. No metering. Assets: Station #41801001 Related Investments: none	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734761	King: Esco SMS	2030	$	677,927	Station Rebuild -Egonomic and OS	Fail	See investment description, IRPAs not applicable
Hamilton Area 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	101129	HAMI: 16W-204R Binkley Station, Hamilton, Vault Station Rebuild	2025	$	677,204	16W-204R is an underground vault station that requires immediate attention as the control valves for the long sense have snapped off. There is no way to open or close the control valves without shutting down the whole station. The station also has drainage concerns and piping is corroded, and the station is placed in a very tight location which is making it difficult to access the station to carry out maintenance work and is causing disruption to Neighbours as the station is located at the edge of someone's backyard. Please see attached photos. The network is sustained without this station down to the design temperature of -22.6C and warmer. The lowest predicted pressure is 159 kPa in this scenario. The other stations feeding into this network do not flow over capacity in this scenario and are assumed to be at 380 kPa out - King St E Trans, Ewen Rd & CNR Tracks, and Olympic Dr. Interruptible customers are flowing as well.	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	742846	NE: Essar #7 and backup station - Boilers and gen	2028	$	673,667	Issue/Concern/Opportunity: Replacement of 2 boilers and addition of backup generator. Large industrial customer requires both boilers running at all times . Control logic errors, cracked support, cannot remove tray for maintenance. No backup generator present. Justification: Risk of large contract customer going down. Assets: 45101125 Essar #7 Related Investments: 733756 - Essar Goulais Feed boilers	Fail	See investment description, IRPAs not applicable

Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	743918	A60: Ramsayville Rd District Station	2025	$	668,782	Issue/Concern/Opportunity: - We are having odourization issues on Ramsayville road and have had to put odourizers at the farm taps of 7 services in that area. A new station at Ramsayville Road & Mitch Ownes would resolve the issue. Justification: - With more constant flow, we will be able to get properly odourized gas thought the main and be able to eliminate the odourizers at the individual services. Assets: Installation of new XHP to HPPE station as well as 1.65km of 2" HPPE and approximately 5m of 2" xHP Steel.	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	101085	HAMI: 16V-604, Lynden Gate Stn, Heating System Replacement	2026	$	651,543	The current heating system is not adequate for the loads and is susceptible to failure as the boiler is reaching end of life. When the heater is down, the station is noticing extreme frost heave issues. Also, this station only has single cut regulation which is further adding to the frost heave issues. Additionally, the valves at this station are hard to turn and the regulation also cannot be adjusted as they are seized. Hence, the current heating system needs to be replaced with CWT 140.	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	49057	WATE: 19R-501R Wellesley Distribution Station, Wellesley Twp, Station Rebuild (Load Growth), Capacity Restore, Proj# 07-21-703	2028	$	647,757	Issue/Concern/Opportunity: Station will be at/over capacity in winter of 2022. Rebuild of the station is required. Justification: Restore capacity to the Wellesley area, which is experiencing rapid growth. The new station will accommodate an additional 3000m3/h which will meet a 10 year growth projection. •5516kPa inlet provided based on requirement to maintain 365 kPa out. oNOTE: The 365 kPa outlet causes pressures between Wellesley and St Clements to go below min pressures (135kpa) during 2018 winter. •Minimum inlet pressure needs to be lowered to 365kP to accommodate an additional load of 118.5m^3/hr diversified to 100.6m^3/hr @5lbs on the customer station. (CARS# 527528) oThus, regulators in this transmission station require to be changed accordingly due to this request. Asset: Wellesley station, 19R-501R Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	1012	LEEDS GATE	2026	$	647,610	Leeds Gate Station is located on Enbridge owned property of approx 2,600 m2 fenced compound in Leeds County, Ontario, approximately 6 km north of Gananoque, within a rural area. This station accepts natural gas from TCPL and provides supply to an HP networks, through components within the Measurement system, Pressure Control system, Heating system, Odourant system, and Telemetry system. This station supplies natural gas to approximately 28 customers in rural area north of Gananoque. The following issues have been identified at this station: PIPE, VALVES & OTHERS: n/aHEATING: n/aPRESSURE CONTROL: n/aODOURIZATION: The current configuration of the odourant system does not ensure adequate containment of the odourant product in the event of a leak and does not meet the current engineering standards and approvals. TELEMETRY & ELECTRICAL: The telemetry and electrical systems do not meet current EGD standards, and are approaching end of useful life. The existing RTU is obsolete and is required to be upgraded to current components along with new communications equipment in order to eliminate cyber security threats. There are also questions on whether or not the existing building can handle the weight of the RTU panel. New yard lighting required.	Fail	See investment description, IRPAs not applicable
Northwester n Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	100922	TIMM: Swastika TBS, Station Rebuild	2029	$	629,719	Issue/Concern/Opportunity: Requires heat and two-cut regulation to alleviate frost heaving. Pipeline valve nest requires DBB isolation installed. The most likely risk/scenario is increased risk of failure/leak (transmission pressure). The worst case scenario is injuries/fatalities due to catastrophic failure. Shut down of station during winter conditions can lead to Town outage (operational reliability risk). Please see the attached photos for further clarification. Assets: Station ID 42501002 Related Program: There are no related C55 investments.	Fail	See investment description, IRPAs not applicable
Northwester n Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	734623	TIMM: Opasatika TBS Rebuild	2028	$	621,847	Issue/Concern/Opportunity/Justification: The station piping has shifted significantly. Not equipped with station heater. Single cut from transmission pressure to 40 psi. No telemetry. Power is available. No metering. Assets: Station #41407001 Related Investments: none	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	18965	MCCOWAN AND SHEPPARD DISTRICT	2027	$	617,896	Issue/Concern: PILOT BELOW GROUND BOX AGE: 7.6 Customer Count: 1734 Utilization: 0.1485516 poor location, to close to curb side # of Regs/Avg Size: 4 / 0in Assets: Related Program (if applicable): N/A	Fail	See investment description, IRPAs not applicable
Head Office/All	00 - Head Office	Distribution Stations	Pass	17404	NGV Rental VRA's - (2026-2032)	2032	$	608,669	Issue/concern: Individual customers and arenas can achieve fuel cost savings, fuel handling savings and reduced emission benefits by operating their cleaning machines, fork lift trucks and individual light duty vehicles on natural gas versus propane or gasoline. This presents an opportunity to grow EGD's NGV rental refueling business and promotes the use of natural gas to customers as an alternate source for fueling cleaning machines, fork lift trucks and individual light duty at a lower cost, reduce fuel handling cost with lower emissions. By providing NGV VRA equipment to customers on a rental basis, EGD can achieve growth in the marketplace, while fully recovering costs. Assets: There are currently over 200 plus Vehicle Refueling Appliances (VRA) customers that EGD is successfully servicing, including: - City of Toronto - City of Ottawa - Other small City arenas and some private customers In addition, there are a number of confirmed new NGV customers that need to be serviced as well as a number of potential customers that EGD's marketing department have been working with. These customers are: - Three City of Ottawa Arenas - (New Installed) (confirmed for 2018) - Two City of Ottawa - (New Installed) (potential for 2019-2020) Related Program (if applicable): Issue/concern: Individual customers and arenas can achieve fuel cost savings, fuel handling savings and reduced emission benefits by operating their cleaning machines, fork lift trucks and individual light duty vehicles on natural gas versus propane or gasoline. This presents an opportunity to grow EGD's NGV rental refueling business and promotes the use of natural gas to customers as an alternate source for fueling cleaning machines, fork lift trucks and individual light duty at a lower cost, reduce fuel handling cost with lower emissions. By providing NGV VRA equipment to customers on a rental basis, EGD can achieve growth in the marketplace, while fully recovering costs. Assets: There are currently over 200 plus Vehicle Refueling Appliances (VRA) customers that EGD is successfully servicing, including: - City of Toronto - City of Ottawa - Other small City arenas and some private customers In addition, there are a number of confirmed new NGV customers that need to be serviced as well as a number of potential customers that EGD's marketing department have been working with. These customers are: - Three City of Ottawa Arenas - (New Installed) (confirmed for 2018) - Two City of Ottawa - (New Installed) (potential for 2019-2020) Related Program (if applicable): BC 2368	Fail	See investment description, IRPAs not applicable
Northwester n Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	734626	TIMM: Fauquier TBS Rebuild	2029	$	602,602	Issue/Concern/Opportunity/Justification: The station piping has shifted significantly. Not equipped with station heater. Single cut from transmission pressure to 40 psi. No telemetry. Power is available. No metering. Assets: Station #41405001 Related Investments: none	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Stations	Pass	10301	2026 Header stations rebuilds	2026	$	599,639	Header Stations are the pressure regulating point at the transition from the distribution system to private property. Failure causing over-pressure could unintentionally introduce high pressure gas into the customers' property. Leak or loss of containment at a header station can lead to an explosion or fire. The Header Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-standard configuration: Configuration that doesn't meet current engineering standards which are based upon safe and reliable operation. A single run station would be an example of a non-standard configuration. Boot-style regulators: Stations with both operator and monitor boot-style regulators have a single common failure mechanism resulting from debris in the gas stream. Replacement of one boot style regulators with a non-boot style regulator reduces the vulnerability of failure of both the operator and the monitor regulator from a single failure mechanism. Unsafe installation locations: Header stations may also be included in the replacement program because their location is out of compliance with spacing requirements, such as distance from building openings or conflicts of the electrical hazardous area classification. Replacement may also be triggered because the station location is susceptible to damage from its environment, such as falling debris or traffic. Poorly performing components: If a particular header station has required significant maintenance work, it would be included in the rebuild program. Poor condition: A station may have significant deterioration of the assets that would require replacement. This would include significant pitting from corrosion, inability for a relief valve to reset, or a regulator to not hold set point despite a complete service. Obsolete Regulators: The criteria for this category is that there are no spare parts available, they are no longer approved for use or new installations or a combination poor performance and manufacturer availability. When an obsolete regulator fails, it cannot be easily replaced and a disruption in service to the customer may result. Increased Capacity: Stations that are operating over designed capacity due to increased customer load are targeted for replacement to maintain gas supply. The Header Station Rebuild Program mitigates the risks associated with poorly performing stations, as the potential failure of a header station may carry substantial risks. A single header station may service hundreds of customer and the consequence of a station failure can be significant. Stations are evaluated to validate downstream customer impacts, asset condition, and workers' health and safety to ensure maximum risk reduction and benefit for each replacement.	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Stations	Pass	10361	2026 Sales stations rebuilds	2026	$	599,639	Issue/Concern: Sales Stations are the final pressure control point prior to entering into a customer's building. Operational failure of a sales station such as loss of containment can lead to an explosion or fire. Some factors included in this risk category are damage to property, injuries to members of the public, and the cost to repair the damaged assets. Over-pressure at a sales station can lead to over-pressure in the customer piping system, causing potential leaks in the downstream system or inside customer premises. This could result in consequences of ignition within the customer's property. Under-pressure at a sales station can lead to loss of service for customers, which is particularly a problem if the gas is used for process, home heating, or for life safety generators. The Sales Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-conforming installations: The design or configuration of some sales stations does not allow for required maintenance work (compliance work) to be completed without customer interruptions. Installation practices have evolved such that an older station may require a rebuild to ensure operational integrity. Design or configuration of a sales station may not allow for required maintenance work (compliance work) to be completed without customer interruptions. Obsolete parts: The failure of obsolete regulators would cause excessive delay to repair since parts are not readily available. This could lead to a disruption in service and may impact the safe and reliable delivery of natural gas to customers. Unsafe installation locations: Stations may be exposed to the elements, located in potentially hazardous locations, lack proper clearances and be susceptible to potential threats from third-party damages. Development and encroachment may also increase the risk of a sales station. Any of these issues could result in a rebuild. Integrity of a station: A station may be subject to corrosion and degrading paint and pipe coating due to age or environment may decrease the integrity of the piping and components. The effects of time and/or frost heaving can impact alignment that may cause a station to be rebuilt. Based on the historical replacement rate of the sales station population, and comparing to the condition assessment findings, it is expected that the replacement rate should increase as part of the Asset Plan. The Sales Station Rebuild Program will target approximately 100 stations per year to address the issues above. Asset: Sales station assets. Related Program: N/A	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	7781	EASTGATE AND DIXIE DISTRICT	2029	$	596,849	Eastgate & Dixie Feeder Station is located on hydro utility corridor within a fenced compound in the City of Mississauga , Ontario, within a urban area, in close proximity to a commercial/industrial area. This station accepts natural gas from Enbridge XHP pipeline and provides supply to XHP network and an IP network, through components within the Pressure Control system , Heating system, and Telemetry system. This station supplies natural gas to approximately 20,000 customers in City of Mississauga. The following issues have been identified at this station: COMPLIANCE : an engineering assessment of the site layout has identified a conflict with the location of the Telemetry Buildings with respect to the ESA Area Classification requirements which has identified that an ignition source is in close proximity to a potential leak source, as defined within the Electrical Codes and Standards. TELEMETRY & ELECTRICAL: The telemetry and electrical systems do not meet current EGI standards, and are approaching end of useful life. The existing RTU is obsolete and is required to be upgraded to current standards along with new communications equipment in order to eliminate cyber security threats. The existing Telemetry building is in disrepair, with leaks and fills with water causing threats to the electrical components. For Electrical and Controls: Upgrade RTU, instrument, generator and ATS, Lighting and electrical. 30 Ft max tower may require upgrade as well.	Fail	See investment description, IRPAs not applicable
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Stations	Pass	100627	BRAN: 11V-101 Port Dover South Distribution Station, Port Dover, Station Rebuild (Telemetry)	2028	$	595,937	Issue/Concern/Opportunity: Installation of telemetry at Port Dover South allows visibility on the key low pressure point in the Eastern Transmission system and helps Gas Control with optimizing operation of Lobo and Bright compressor stations to optimize inlet pressures to Ingersoll and Oxford Gate stations. Justification: Allows for optimization of Dawn/Parkway operation, as well as transmission gate stations that feed Eastern Transmission system such as Ingersoll and Oxford Gate. Assets: Port Dover South station (11V-101)	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	101198	KING: 22-25-705 College and Sidney DRS (27801009) Rebuild	2026	$	595,761	Need to relocate the station due to corrosion from road salt and possible widening of road in future. This station has a corrosion leak/repair in 2014. It is currently located at a busy intersection and very close to residential houses and sidewalks. NOTE: This project to be completed at the same time as Sidney Street (Belleville) Catch Basin constructed around main C55 Investment: 735793	Fail	See investment description, IRPAs not applicable
Northwester n Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	48527	TBAY: Clark & Niven DRS Rebuild	2026	$	593,420	Project includes rebuilding the station and relocating it to the north on Niven Street. The current station is experiencing frost heaving, and is not located in an ideal location. Assume Alliance Partner. Station #30703025 Related investments:	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	101088	HALT-Third Line and QEW Vault Station	2025	$	576,776	Issue/Concern/Opportunity: drainage is an issue , close to the CN tracks ,Replace the boot on relife as it was seeping Vault station replacement. Also, drainage is an issue and station is close to the CN tracks.	Fail	See investment description, IRPAs not applicable

Head Office/All	01 - All	Distribution Stations	Pass	10362	2027 Sales stations rebuilds	2027	$	574,435	Issue/Concern: Sales Stations are the final pressure control point prior to entering into a customer's building. Operational failure of a sales station such as loss of containment can lead to an explosion or fire. Some factors included in this risk category are damage to property, injuries to members of the public, and the cost to repair the damaged assets. Over-pressure at a sales station can lead to over-pressure in the customer piping system, causing potential leaks in the downstream system or inside customer premises. This could result in consequences of ignition within the customer's property. Under-pressure at a sales station can lead to loss of service for customers, which is particularly a problem if the gas is used for process, home heating, or for life safety generators. The Sales Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-conforming installations: The design or configuration of some sales stations does not allow for required maintenance work (compliance work) to be completed without customer interruptions. Installation practices have evolved such that an older station may require a rebuild to ensure operational integrity. Design or configuration of a sales station may not allow for required maintenance work (compliance work) to be completed without customer interruptions. Obsolete parts: The failure of obsolete regulators would cause excessive delay to repair since parts are not readily available. This could lead to a disruption in service and may impact the safe and reliable delivery of natural gas to customers. Unsafe installation locations: Stations may be exposed to the elements, located in potentially hazardous locations, lack proper clearances and be susceptible to potential threats from third-party damages. Development and encroachment may also increase the risk of a sales station. Any of these issues could result in a rebuild. Integrity of a station: A station may be subject to corrosion and degrading paint and pipe coating due to age or environment may decrease the integrity of the piping and components. The effects of time and/or frost heaving can impact alignment that may cause a station to be rebuilt. Based on the historical replacement rate of the sales station population, and comparing to the condition assessment findings, it is expected that the replacement rate should increase as part of the Asset Plan. The Sales Station Rebuild Program will target approximately 100 stations per year to address the issues above. Asset: Sales station assets. Related Program:N/A	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Stations	Pass	10541	2027 Header stations rebuilds	2027	$	574,435	Header Stations are the pressure regulating point at the transition from the distribution system to private property. Failure causing over-pressure could unintentionally introduce high pressure gas into the customers' property. Leak or loss of containment at a header station can lead to an explosion or fire. The Header Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-standard configuration: Configuration that doesn't meet current engineering standards which are based upon safe and reliable operation. A single run station would be an example of a non-standard configuration. Boot-style regulators: Stations with both operator and monitor boot-style regulators have a single common failure mechanism resulting from debris in the gas stream. Replacement of one boot style regulators with a non-boot style regulator reduces the vulnerability of failure of both the operator and the monitor regulator from a single failure mechanism. Unsafe installation locations: Header stations may also be included in the replacement program because their location is out of compliance with spacing requirements, such as distance from building openings or conflicts of the electrical hazardous area classification. Replacement may also be triggered because the station location is susceptible to damage from its environment, such as falling debris or traffic. Poorly performing components: If a particular header station has required significant maintenance work, it would be included in the rebuild program. Poor condition: A station may have significant deterioration of the assets that would require replacement. This would include significant pitting from corrosion, inability for a relief valve to reset, or a regulator to not hold set point despite a complete service. Obsolete Regulators: The criteria for this category is that there are no spare parts available, they are no longer approved for use on new installations or a combination poor performance and manufacturer availability. When an obsolete regulator fails, it cannot be easily replaced and a disruption in service to the customer may result. Increased Capacity: Stations that are operating over designed capacity due to increased customer load are targeted for replacement to maintain gas supply. The Header Station Rebuild Program mitigates the risks associated with poorly performing stations, as the potential failure of a header station may carry substantial risks. A single header station may service hundreds of customer and the consequence of a station failure can be significant. Stations are evaluated to validate downstream customer impacts, asset condition, and workers' health and safety to ensure maximum risk reduction and benefit for each replacement.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734768	King: Ault Foods SMS (Lactalis/Parmalt - Winchester)	2027	$	570,448	Station Rebuild -Ergonomic and OS - Relocate from existing location as it is a very high traffic area that represents high risk to damage by vehicles	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733764	NBAY: Eloy TBS, Boiler Replacement	2026	$	566,923	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 1.5M Raypac Heater installed in 2001 at this station are set to be replaced in 2026 (Heater to be 25 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43201009 - Eloy TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	501375	2025 Fire Suppression and Auto Transfer Generator	2025	$	556,034	Issue/Concern/Opportunity: 59 sites need auto transfer generators - as of now 16 have auto transfer generators, this is due to code compliance with building code. Justification: 59 auto transfer generators which need to be installed for the emergency lighting based on the building code, maintaining 30 minutes of light to meet code requirements. Additional compliance requirements to be accordance with the LEG Building Standard to install with methane and CO gas detectors in the boiler building as per page 26. The building standard is being integrated and the above requirement will still be considered requiring the boiler buildings to be equipped through this installation program. Buildings with Gas Burning assets require CO and CH4 Detectors, buildings with gas require CO detectors. This work is in accordance with Code Sections: Ontario Building Code Sections: 9.10.1.3, 3.2.2.71, 3.2.4.1, 3.2.9.1, 3.2.9.2 to 3.2.9.7, 3.3.1.5.(1) and 3.3.5.2 Assets: 75 LUG Stations Related Investments:	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	18815	BAYVIEW & BYNG DISTRICT	2025	$	554,663	Issue/Concern: Net Ops Score: 3 BOOT BELOW GROUND BOX AGE: 24.9 Customer Count: 187887 Utilization: 0.2057958 maintenance completed this year/ trouble free/painted this year # of Regs/Avg Size: 4 / 0in Submitted by: Tom R. - Below ground station - Visible Corrosion Assets: Related Program (if applicable): REVISED: Issue/Concern: BOOT BELOW GROUND BOX AGE: 24.9 Customer Count: 187887 Utilization: 0.2057958 maintenance completed this year/ trouble free/painted this year # of Regs/Avg Size: 4 / 0in -Below ground station - Visible Corrosion Assets: Related Program (if applicable): N/A	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Stations	Pass	16432	2028 Header stations rebuilds	2028	$	537,221	Header Stations are the pressure regulating point at the transition from the distribution system to private property. Failure causing over-pressure could unintentionally introduce high pressure gas into the customers' property. Leak or loss of containment at a header station can lead to an explosion or fire. The Header Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-standard configuration: Configuration that doesn't meet current engineering standards which are based upon safe and reliable operation. A single run station would be an example of a non-standard configuration. Boot-style regulators: Stations with both operator and monitor boot-style regulators have a single common failure mechanism resulting from debris in the gas stream. Replacement of one boot style regulators with a non-boot style regulator reduces the vulnerability of failure of both the operator and the monitor regulator from a single failure mechanism. Unsafe installation locations: Header stations may also be included in the replacement program because their location is out of compliance with spacing requirements, such as distance from building openings or conflicts of the electrical hazardous area classification. Replacement may also be triggered because the station location is susceptible to damage from its environment, such as falling debris or traffic. Poorly performing components: If a particular header station has required significant maintenance work, it would be included in the rebuild program. Poor condition: A station may have significant deterioration of the assets that would require replacement. This would include significant pitting from corrosion, inability for a relief valve to reset, or a regulator to not hold set point despite a complete service. Obsolete Regulators: The criteria for this category is that there are no spare parts available, they are no longer approved for use on new installations or a combination poor performance and manufacturer availability. When an obsolete regulator fails, it cannot be easily replaced and a disruption in service to the customer may result. Increased Capacity: Stations that are operating over designed capacity due to increased customer load are targeted for replacement to maintain gas supply. The Header Station Rebuild Program mitigates the risks associated with poorly performing stations, as the potential failure of a header station may carry substantial risks. A single header station may service hundreds of customer and the consequence of a station failure can be significant. Stations are evaluated to validate downstream customer impacts, asset condition, and workers' health and safety to ensure maximum risk reduction and benefit for each replacement.	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Stations	Pass	16433	2028 Sales stations rebuilds	2028	$	537,221	Issue/Concern: Sales Stations are the final pressure control point prior to entering into a customer's building. Operational failure of a sales station such as loss of containment can lead to an explosion or fire. Some factors included in this risk category are damage to property, injuries to members of the public, and the cost to repair the damaged assets. Over-pressure at a sales station can lead to over-pressure in the customer piping system, causing potential leaks in the downstream system or inside customer premises. This could result in consequences of ignition within the customer's property. Under-pressure at a sales station can lead to loss of service for customers, which is particularly a problem if the gas is used for process, home heating, or for life safety generators. The Sales Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-conforming installations: The design or configuration of some sales stations does not allow for required maintenance work (compliance work) to be completed without customer interruptions. Installation practices have evolved such that an older station may require a rebuild to ensure operational integrity. Design or configuration of a sales station may not allow for required maintenance work (compliance work) to be completed without customer interruptions. Obsolete parts: The failure of obsolete regulators would cause excessive delay to repair since parts are not readily available. This could lead to a disruption in service and may impact the safe and reliable delivery of natural gas to customers. Unsafe installation locations: Stations may be exposed to the elements, located in potentially hazardous locations, lack proper clearances and be susceptible to potential threats from third-party damages. Development and encroachment may also increase the risk of a sales station. Any of these issues could result in a rebuild. Integrity of a station: A station may be subject to corrosion and degrading paint and pipe coating due to age or environment may decrease the integrity of the piping and components. The effects of time and/or frost heaving can impact alignment that may cause a station to be rebuilt. Based on the historical replacement rate of the sales station population, and comparing to the condition assessment findings, it is expected that the replacement rate should increase as part of the Asset Plan. The Sales Station Rebuild Program will target approximately 100 stations per year to address the issues above. Asset: Sales Stations assets. Related Program:N/A	Fail	See investment description, IRPAs not applicable
Chatham Area 04 UGL	Div_02 - Chatham	Distribution Stations	Pass	743811	CHAT 07G-201 Baldoon Trans Phase II - Heater and RTU	2025	$	536,191	Obsolete heating equipment contains 20,000 L of glycol and is on the risk register. Justification: Replace regulators and heaters. Assets: 07G-201 Baldoon Transmission Related Investments: Not applicable.	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	735272	LOND: 13O-401 White Oaks	2026	$	532,908	Issue/Concern/Opportunity: Heater Age (per integrity) Justification: Replace Heater Assets: 13O-401 White Oaks Reg Station Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Stations	Pass	101554	2029 Header stations rebuild	2029	$	520,592	Header Stations are the pressure regulating point at the transition from the distribution system to private property. Failure causing over-pressure could unintentionally introduce high pressure gas into the customers' property. Leak or loss of containment at a header station can lead to an explosion or fire. The Header Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-standard configuration: Configuration that doesn't meet current engineering standards which are based upon safe and reliable operation. A single run station would be an example of a non-standard configuration. Boot-style regulators: Stations with both operator and monitor boot-style regulators have a single common failure mechanism resulting from debris in the gas stream. Replacement of one boot style regulators with a non-boot style regulator reduces the vulnerability of failure of both the operator and the monitor regulator from a single failure mechanism. Unsafe installation locations: Header stations may also be included in the replacement program because their location is out of compliance with spacing requirements, such as distance from building openings or conflicts of the electrical hazardous area classification. Replacement may also be triggered because the station location is susceptible to damage from its environment, such as falling debris or traffic. Poorly performing components: If a particular header station has required significant maintenance work, it would be included in the rebuild program. Poor condition: A station may have significant deterioration of the assets that would require replacement. This would include significant pitting from corrosion, inability for a relief valve to reset, or a regulator to not hold set point despite a complete service. Obsolete Regulators: The criteria for this category is that there are no spare parts available, they are no longer approved for use on new installations or a combination poor performance and manufacturer availability. When an obsolete regulator fails, it cannot be easily replaced and a disruption in service to the customer may result. Increased Capacity: Stations that are operating over designed capacity due to increased customer load are targeted for replacement to maintain gas supply. The Header Station Rebuild Program mitigates the risks associated with poorly performing stations, as the potential failure of a header station may carry substantial risks. A single header station may service hundreds of customer and the consequence of a station failure can be significant. Stations are evaluated to validate downstream customer impacts, asset condition, and workers' health and safety to ensure maximum risk reduction and benefit for each replacement.	Fail	See investment description, IRPAs not applicable

Head Office/All	01 - All	Distribution Stations	Pass	101558	2029 Sales stations rebuilds	2029	$	520,592	Issue/Concern: Sales Stations are the final pressure control point prior to entering into a customer's building. Operational failure of a sales station such as loss of containment can lead to an explosion or fire. Some factors included in this risk category are damage to property, injuries to members of the public, and the cost to repair the damaged assets. Over-pressure at a sales station can lead to over-pressure in the customer piping system, causing potential leaks in the downstream system or inside customer premises. This could result in consequences of ignition within the customer's property. Under-pressure at a sales station can lead to loss of service for customers, which is particularly a problem if the gas is used for process, home heating, or for life safety generators. The Sales Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-conforming installations: The design or configuration of some sales stations does not allow for required maintenance work (compliance work) to be completed without customer interruptions. Installation practices have evolved such that an older station may require a rebuild to ensure operational integrity. Design or configuration of a sales station may not allow for required maintenance work (compliance work) to be completed without customer interruptions. Obsolete parts: The failure of obsolete regulators would cause excessive delay to repair since parts are not readily available. This could lead to a disruption in service and may impact the safe and reliable delivery of natural gas to customers. Unsafe installation locations: Stations may be exposed to the elements, located in potentially hazardous locations, lack proper clearances and be susceptible to potential threats from third-party damages. Development and encroachment may also increase the risk of a sales station. Any of these issues could result in a rebuild. Integrity of a station: A station may be subject to corrosion and degrading paint and pipe coating due to age or environment may decrease the integrity of the piping and components. The effects of time and/or frost heaving can impact alignment that may cause a station to be rebuilt. Based on the historical replacement rate of the sales station population, and comparing to the condition assessment findings, it is expected that the replacement rate should increase as part of the Asset Plan. The Sales Station Rebuild Program will target approximately 100 stations per year to address the issues above. Asset: Sales Stations assets. Related Program:N/A	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	735163	A80: Lake and Louisa DIST STN - Aband and lay IP main	2025	$	519,565	Issue/Concern/Opportunity: (from Field) • Single run station is very deep in box. • Difficult to operate/maintain This LP network is fed by 5 stations, Approval by DOE that this station can be aband and replaced with IP main and services as per Option 1 which is the preferred Justification: Assets: District Station 87172A	Fail	See investment description, IRPAs not applicable
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Stations	Pass	739028	WIND 07I-303R WALNUT & MAIN LP REPLACEMENT	2025	$	506,929	Issue/Concern/Opportunity: Single Run. Single Feed. Inadequate OPP. Justification: Risk Assets: LP STN Related Investments:	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	101086	HAMI: 16K-601 Hamilton Gate 3, Hamilton, Full Station Rebuild	2029	$	502,169	The Hamilton Gate 3 Station needs a whole rebuild driven by integrity concerns. The station does not operate at full capacity. An early review of the heating system indicates that a redesign is required to improve the operation at the site. Furthermore, the property drains into the Boiler room depending on the amount of snowfall. The rebuild will address this water runoff concern. This rebuild is combined with the FIMP investment #503085 (Oracle/SAP #64-21-305).	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	101096	HAMI: 17X-415R, York and Broadway Dist Stn, Frost Heave Issues	2032	$	502,169	Due to a lack of heating system and the station having single cut regulations, the station has extreme frost heave issues. Hence a heater needs to be added to combat frost heave issues.	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	103529	HAMI: 12Z-301 Port Maitland Rymer Station, Haldimand, Heater Installation	2024	$	502,169	12Z-301, Port Maitland Rymer Station, has frost heaving issues due to lack of station heating, hence a heater needs to be installed. The RTU building is very old, a new building needs to be installed along with moving the RTU equipment to the new building. The station also needs re-grading along with replacement of the station fencing. Material order to be carried out in 2023 and execution to be carried out in 2030.	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	735037	HAMI: 16Y-101 Woodward bio Gas, Hamilton, Electrical Failures	2025	$	502,169	16Y-101, Woodward BioGas Station, was flagged by the stations techs as needing installation of RTU building, smart valve and re-wiring of electrical lines due to electrical failures, leading to a potential ignition source if there is a gas leak.	Fail	See investment description, IRPAs not applicable
Northwester n Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	734943	TIMM: Kirkland Lake CMS (Kenogami) - Long-Term Odorant Solution	2025	$	482,184	Currently the MOIS at Kenogami is odorizing both the 4 and 8 inch, however as Northland Power (Kirkland Lake Co-Gen) contract has changed and they are no longer pulling gas 24/7, long periods of zero flow will be registered by the turbine meter at Kenogami CMS. UPDATE FEB. 15, 2022: THIS COPPERLEAF INVESTMENT IS FOR THE LONG-TERM SOLUTION AT THIS STATION, WHICH SCOPE IS CURRENTLY BEING DEVELOPED BY STATIONS ENGINEERING. The short-term solution is captured by Investment 736672	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	101113	A80: EIGHTH AVE LOUTH & 5TH ST DISTRICT	2026	$	479,711	Issue/Concern/Opportunity: (from Field) No test points to check lock up Justification: No test points to check lock up Assets: District Station 87180A	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733758	NBAY: Ski Club/Trout Lake TBS, Boiler Replacement	2026	$	479,464	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 500 Raypak Heater installed in 1992 at this station are set to be replaced in 2024 (Heater to be 32 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43001016 - Ski Club/Trout Lake TBS Related Investments: NA This rebuild is combined with the FIMP investment #736632 (Oracle/SAP #64-22-309).	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	735034	Lowville_18X-101STN_Rebuild	2025	$	478,190	Issue/Concern/Opportunity: Single feed to Campbellville, no filter, requires operator monitor, heater undersized, and no filtration. The scope is to build a monitor-operator system, upgrade regulation, install Remote Terminal Unit (RTU) and replace heater.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	735182	2936953 MEADOWVALE & GENERATION DISTRICT	2025	$	476,688	Issue/Concern/Opportunity: (from Field) • Below ground box • Corrosion. • Box fills with water Assets: District Station 2936953	Fail	See investment description, IRPAs not applicable
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Stations	Pass	100610	BRAN: 12S-202 Dist Stn, CWT install/glycol line removal, SCADA	2026	$	464,877	Issue/Concern/Opportunity: Operational and environmental risks associated with this station. - Heating system is antiquated. Boiler is >18 years old. HEX is >40 years old. - Replacement parts for boiler are very difficult to source and lead time is long, which is an issue in case of emergency repairs. Justification: Replacement of the heating system will alleviate concerns about parts and support availability, and eliminate risks associated with environmental contamination. Assets: Customer Distribution Station (12S-202).	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	738908	17536A FENMAR & STEELES DISTRICT	2028	$	456,009	Issue/Concern/Opportunity: (from field) • Below ground box •Welder Required to repair hinges •Move below ground box to above ground Assets: District Station 17536A	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	18964	CALEDONIA & RAITHERM DISTRICT	2027	$	450,710	Issue/Concern: BOOT ABOVE GROUND BOX AGE: 19.2 Customer Count: 187887 Utilization: 0.1671717 6" 399s above ground. Tight # of Regs/Avg Size: 4 / 0in Assets: Related Program (if applicable): N/A	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	746778	4009545 - Finch & Kenview District STN Rebuild	2025	$	450,589	Issue/Concern/Opportunity: Heaving, in a ditch. Justification: Assets: District Station 4009545 Related Investments:	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	100835	KING: Belleville Sidney St TBS (27801001) Valve Upgrades	2028	$	433,966	2 regulator run outlet convenience valves have been identified that are not rated for the potential pressure they are exposed to during operational checks and need to be replaced. A multi-phased approach will be employed for this replacement project to replace valves, piping and flanges with properly rated components. There is risk for potential employee injury, equipment over pressurization and process upset. Plant failure, brand image, system reliability. This rebuild is combined with the FIMP investment #501087 (Oracle/SAP #64-21-327).	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	738246	NBAY: 43805002 Cumberland Beach TBS Heater Install	2026	$	433,367	Issue/Concern/Opportunity: Heater install and rebuild required due to frost issues. Justification: Station rebuild will result in greater reliability and improve the integrity of the system Assets: 43805002 Cumberland Beach TBS Related Investments:	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	101094	HAMI: 16W-203, Summit Trans Stn, Heating System Replacement	2025	$	430,527	16W-203 requires heating system replacement (i.e. boilers) as the boilers at this station are very old and the parts for the boilers are had to attain due to parts being obsolete. As the heater is over 10 years old, during heating season, the heating system is more susceptible to leaks and there is currently no way to monitor for leaks other than physically checking the piping for leakage, which is time consuming and glycol leaks are very difficult to detect in a timely manner. Also, the station has considerable amount of corrosion and pitting on piping.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Distribution Stations	Pass	736636	Bluewater/Mandaumin/Airport	2025	$	430,527	Issue/Concern/Opportunity: The station is scheduled for modifications/rebuild as part of the Asset Management Plan. An assessment of the station will be completed to verify the existing condition of the gas and glycol carrying pipe and components at the facility. This assessment will be used to validate whether the future planned work at the site will address any existing condition issues or whether the scope must be increased to remediate new issues found during the assessment. Any pressure vessels and tanks on the station site will be included in the assessment to ensure compliance with CSA Z662 and API requirements, verifying that they remain fit for continued service. Piping covered by insulation will have the insulation removed for assessment, or a technology not requiring insulation removal will be used to verify condition of insulated piping. Below grade piping will be assessed using a combination of direct and indirect inspection technologies. All exposed above grade piping will be visually assessed and non-destructive examination performed as deemed necessary by the visual inspection. Justification: Assets: Station ID: 13G-503 Related Investments:	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	18963	YORKGATE & FINCH DISTRICT	2027	$	421,600	Issue/Concern:BOOT BELOW GROUND BOX AGE: 10 Customer Count: 11352 Utilization: 0.1913964 Slamshut and below ground-verify requirement # of Regs/Avg Size: 3 / 0in - Minor corrosion on piping & regs - Below ground station. Rebuild to above ground - Boot style regs Assets: Related Program (if applicable): N/A	Fail	See investment description, IRPAs not applicable

Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	101073	NE: 42601002 - Englehart TBS, Relocation	2026	$	419,523	Issue/Concern/Opportunity: There is 1.5 km of unodourized gas from TC Energy pipeline to inlet of the existing TBS. The NPS2 transmission inlet line to the station has unodourized gas that could go undetected in the event of a leak due to the properties (colourless and odourless) of natural gas. Odourant is added within the station compound. However, the Odourant system is installed at the TBS which is in a populated area. The station requires relocation. Note, that the station bypass valve is also leaking on the unodourized side. A rebuild of the station and possible relocation to ensure that the natural gas is odourized appropriately. Justification: Station feeds town of Englehart and large customer. Assets: Station 42601002 Related Investments: 746640	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	735247	WATE: 23R-602 Rothsay Trans Stn,FIMP	2025	$	415,278	Heating System Assumed to be 150k for Heating System Replacement	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	7757	SANDALWOOD GATE	2027	$	411,007	Sandalwood Gate Station is located on Enbridge owned property of approx 3,800 m2 fenced compound in Brampton, Ontario, approximately 6 km from town center, within an urban area, in close proximity to Sandalwood Secondary School and Robert Lee Public Schools, as well as being located within a densely populated area. This station accepts natural gas from TCPL and provides supply to an XHP network, through components within the Measurement system, Pressure Control system , Heating system, Odourant system, and Telemetry system. This station supplies natural gas to 1 customer in Mississauga. The following issues have been identified at this station: TELEMETRY & ELECTRICAL: the existing electrical system does not meet current EGI electrical installation standards. This poses a potential electrical hazard and faulty wiring may result in lost communications.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	7765	DOWNSVIEW FEEDER	2029	$	409,946	"Downsview Feeder Station is located on Enbridge owned property of approx 450 m2 fenced compound in the City of Toronto (North York) , Ontario, adjacent to the Humber River Regional Hospital within a urban area, in close proximity to residential subdivisions and a major hospital facility. This station accepts natural gas from Enbridge XHP pipeline and provides supply to a HP and IP networks, through components within the Pressure Control system , Heating system, and Telemetry system. The following issues have been identified at this station: COMPLIANCE : an engineering assessment of the site layout has identified a conflict with the location of the Telemetry or Boiler Buildings with respect to the ESA Area Classification requirements which has identified that an ignition source is in close proximity to a potential leak source, as defined within the Electrical Codes and Standards. Additionally require, Beckers installed approx 2014 - Jersey barriers required & heated huts for control valves"	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	18889	KIPLING & NORTH QUEEN DISTRICT	2026	$	407,868	Issue/Concern: BOOT ABOVE GROUND AGE: 26 Customer Count: 199245 Utilization: 0.1353307 N/W corner close to intersection 4" axis very close to traffic. Station condition is ok but loation is an issue # of Regs/Avg Size: 4 / 0in Assets: Related Program (if applicable): N/A	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	101359	WIND 05A-201 Turkey Creek	2025	$	399,508	Issue/Concern/Opportunity: There is no station heat. The IP cut is at risk for freeze-off due to large pressure drop (3450kPa to 420kPa). Frost heave, fish-mouth supports, and ankle-level pipe are all concerns. Justification: Eliminate risk of regulator freeze-off and frost heave by adding a CWT 385, rebuild regulator runs (ankle-level and fish-mouth supports). Mercury remediation is needed. Assets: 05A-201 Turkey Creek	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	21404	Electrical Upgrades + Repair	2025	$	398,755	Issue/Concern:The Lighting at current stations is not per standard and need some improvements to keep it efficient. Need to improve Lighting coverage for site work light Need to Replace incandescent to Led Assets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734752	King: Baywood (Woodbine & Earnhart) 2-84-02-181 DRS Rebuild	2026	$	391,177	Station Rebuild - OS- relocate full rebuild -2023	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	30518	22-25-701 Eastern_Picton_28103006STN_Upgrade	2025	$	390,313	Station upgrades required due to community expansion on downstream networks. A full rebuild of the 1st cut (Station # 28103006 Picton TBS) is required due to capacity limit, pressure drop around the existing heater, and an IOPP issue with the existing relief valve. Note that there are 3 stations/cuts at the same property. The new station (1st cut) will include a new filter, a new CWT-1155 heater (enough to supply heat to all 3 stations on site), and new NPS 4 regulators. The new station capacity will be 15380 m3/h. See "Station Cost Breakdown" for class 5 cost estimate and details of equipment required. 2025.03.20 LMH: Adjusted 2025 spend for pre-work only to get AFE processed so that we can order the heater. Will adjust to total value once full costs are known.	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	734672	Kenwood_12K-301STN_New Heater	2025	$	385,888	Issue/Concern/Opportunity: Heater is outdated, has had issues in the past and is too small for current capacity. Replace with CWT 770. Glycol lines are corroded and need to be replaced as soon as possible Assets: 12K-301 Related Investment: PH 2 # 745607	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	18816	BRIMLEY & ELESMERE DISTRICT	2027	$	384,363	Issue/Concern: BOOT BELOW GROUND BOX AGE: 22 Customer Count: 98960 Utilization: 0.1275728 399s, signs of corrosion, old station # of Regs/Avg Size: 4 / 0in - Below ground station - Visible corrosion Assets: Related Program (if applicable): N/A	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	18896	LAKESHORE & WALDEN CIRCLE DISTRICT	2027	$	381,964	Issue/Concern: Net Ops Score: 4 SPRING ABOVE GROUND AGE: Customer Count: 199245 Capacity Concerns Utilization: 0.5 Old Station # of Regs/Avg Size: 4 / 0in Submitted by: Joe C. Assets: Related Program (if applicable).	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	746941	22-25-702 Grafton TBS Upgrades - Heater and Filter	2026	$	377,455	Upgrades required as a result of Haldimand Shores community expansion recently completed. The upgrades were missed during the project development and filing with OEB. Oct. 10, 2024 - Station Design to be submitted by Kingston and have the full station assessed before design of new heater, complete with filter.	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	735155	LOND: 21L-201 Goderich Gate	2029	$	376,626	Issue/Concern/Opportunity: Heater age (per integrity) is a concern. Justification: Replace heater. Assets: 21L-201 Related Investments: Not applicable.	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	1043	CAWTHRA AND QUEENSWAY DISTRICT	2026	$	365,770	Cawthra and Queensway Feeder Station is located on EGI-owned property of approximately 175 m2 fenced compound in the City of Mississauga, Ontario, within an urban area, within 30 m of residential homes in a densely populated subdivision. This station accepts natural gas from EGI XHP pipeline and provides supply to an IP network, through components within the Pressure Control system, and Telemetry system. This station supplies natural gas to approximately 10,000 customers in the City of Mississauga. The following issues have been identified at this station: Valve & Piping: The piping material and components used within this station have been identified as sub-standard with improper construction methods used during construction. Pressure Control: The configuration of the existing regulators is double boot, posing an undesired higher risk and high associated ongoing maintenance costs. Telemetry & Electrical: The Telemetry and Electrical systems do not meet current EGI standards and are approaching end of useful life. The existing Remote Terminal Unit (RTU) is obsolete and is required to be upgraded to current standards along with new communications equipment in order to eliminate cybersecurity threats. Additionally, new instrumentation, a lighting upgrade, and a tower upgrade which is compliant based on space available is required.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	735181	3226575 SHEPPARD & MORNINGSIDE DISTRICT	2025	$	365,339	Issue/Concern/Opportunity: (from Field) • Below ground box • Corrosion. • Box lid issues Assets: District Station 3226575	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	502663	NE: 44702001 - Rutherglen TBS, Rebuild	2028	$	362,744	Issue/Concern/Opportunity: Frost heave in the spring and station requires heat due to large pressure cut 1000 psi to 60 psi. Civil work required to build up and level station. Potentially a rebuild. Justification: Modifications required at station to prevent frost heave and further damage to the station. Assets: Station 44702001 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734794	King: Invista BCF-93 (III) - Kingston	2028	$	362,744	Obsolete equipment requiring full rebuild to meet current standards Station Rebuild -Ergonomic and OS - review sooner for CNG - Identified AC and clearance issues to high voltage transformers	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734755	King: Finch Concession 4-5 DRS (2-94-01-038)	2028	$	357,562	Station Rebuild -Corrosion risers - rebuild Station is operational with flaking corrosion	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734762	King: Joyceville Penitentiary Unit 56	2028	$	357,562	Station Rebuild - OS - rebuild	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	746127	King: 22-24-703 Customer SMS Boiler Repairs	2024	$	356,513	This project is short term to repair the customer's boilers to make it through the 2024 summer and 2025 winter peak shaving season. A separate investment will be raised as part of a strategy to ensure a comprehensive program is put in place for this station and heaters.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	1715	C.N.E. & LAKESHORE DISTRICT STATION REBUILD 15817A	2028	$	352,022	Net Ops Score: District Rebuild Program - Rebuild (In-Place) C.N.E. & LAKESHORE DISTRICT STATION Station Number 15817a - Replace Regulators as they are Mooney flow grid regulators with no parts available - Significant corrosion as it;s a below ground box BOOT BELOW GROUND BOX Single Source AGE: 21 Customer Count: 37 Utilization: 0.07791636 BGB # of Regs/Avg Size: 4 / 0in Submitted by:	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	7755	PETAWAWA GATE	2024	$	351,899	TELEMETRY/ELECTRICAL Telemetry work required to install Methane Monitoring, CO sensor and monitoring, ESA Compliance Issues, Station wiring, Electrical service Upgrade, Station Grounding, Tower, Inlet Flow Meter, Outlet Flow Meters, UPS Required, Generator, Modem & Firewall, Station Lighting Upgrade, and Weather Station.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734756	King: Maple Ridge Farms DRS	2029	$	346,496	Station Rebuild -Corrosion risers - rebuild	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	501535	Elizabethtown/Bethel - Electrical	2028	$	345,310	TELEMETRY & ELECTRICAL: The telemetry and electrical systems do not meet current EGI standards, and are approaching end of useful life. The existing RTU is obsolete and is required to be upgraded to current standards along with new communications equipment in order to eliminate cyber security threats. The existing Telemetry building is in disrepair, with leaks and fills with water causing threats to the electrical components. The building in classified area and may require more land to move it in general purpose area. For Electrical and Controls: Upgrade RTU with UPS , instrument, grounding, Lighting and electrical, methane detection.	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	502698	WIND - 03D-322C Leamington Hospital - rebuild	2025	$	329,034	Issue/Concern/Opportunity: Station is outdated; regulators are obsolete, significant corrosion, valves are degrading (almost inoperable) Justification: Rebuild station to today's standards Assets: 03D-322C Related Investments:	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	501491	Dixie and Derry District	2024	$	328,243	•The meter base is unsafe to work on being too close to the fence and not enough clearance to work safely. Further the meter bae is too close to venting blowoffs (within hazardous area) •There are lights, switches and receptacles which are not approved •There are gaps in the building and animals have been getting inside •Exposed power wiring outside •No site safety (gated fence) with potential access to our building/RTU/junction boxes •Junction box inside is not explosion proof Project Scope •Relocate meter base on new hydro pole and upgrade site wiring. Install new RTU building with new electrical and RTU panel. Remove unused equipment off of old building and make safe. Install new fence and re-gravel the compound.	Fail	See investment description, IRPAs not applicable

Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	100560	Telemetry Team Business Continuity	2023	$	319,722	Issue/Concern/Opportunity: This investment contains multiple initiatives. They ensure any Windows 7 equipment to be replaced with Windows 10 compatible versions. Also, critical spare parts will be purchased and stock at TOC/Ottawa/Niagara to allow timely access when needed. Individual initiatives include: 1) Mothership associated hardware Windows 10 migrations 2) Spare radio/communication equipment 3) Spare instruments (Coriolis transmitter, pressure/temperature transmitters, Maxmeters) at TOC/Ottawa/Niagara for fast access 4) Spare RTU equipment 5) Calibration tools Windows 10 migrations 6) North Pickering Storage Room equipment 7) HART handheld and multimeter upgrades	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	745384	NE: 43202071 Nickel Refinery SMS modifications	2027	$	317,514	FY21: Scope includes the replacement of outdoor junction boxes and Albion and Parkway West which are leaking and RTU alarms clean-up. Issue/Concern/Opportunity: Regulators cannot be tested due to bottle style station layout, relief valve isolation difficult to operate creating safety concern. Severe corrosion on piping within regulator building. Assets: Station 43202071 Related Investments: Not applicable.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	739695	Sales Stations Rebuilds Area 30	2025	$	311,072	Issue/Concern: Sales Stations are the final pressure control point prior to entering into a customer's building. Operational failure of a sales station such as loss of containment can lead to an explosion or fire. Some factors included in this risk category are damage to property, injuries to members of the public, and the cost to repair the damaged assets. Over-pressure at a sales station can lead to over-pressure in the customer piping system, causing potential leaks in the downstream system or inside customer premises. This could result in consequences of ignition within the customer's property. Under-pressure at a sales station can lead to loss of service for customers, which is particularly a problem if the gas is used for process, home heating, or for life safety generators. The Sales Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-conforming installations: The design or configuration of some sales stations does not allow for required maintenance work (compliance work) to be completed without customer interruptions. Installation practices have evolved such that an older station may require a rebuild to ensure operational integrity. Design or configuration of a sales station may not allow for required maintenance work (compliance work) to be completed without customer interruptions. Obsolete parts: The failure of obsolete regulators would cause excessive delay to repair since parts are not readily available. This could lead to a disruption in service and may impact the safe and reliable delivery of natural gas to customers. Unsafe installation locations: Stations may be exposed to the elements, located in potentially hazardous locations, lack proper clearances and be susceptible to potential threats from third-party damages. Development and encroachment may also increase the risk of a sales station. Any of these issues could result in a rebuild. Integrity of a station: A station may be subject to corrosion and degrading paint and pipe coating due to age or environment may decrease the integrity of the piping and components. The effects of time and/or frost heaving can impact aligment that may cause a station to be rebuilt. Based on the historical replacement rate of the sales station population, and comparing to the condition assessment findings, it is expected that the replacement rate should increase as part of the Asset Plan. The Sales Station Rebuild Program will target approximately 100 stations per year to address the issues above. Asset: Sales station assets. Related Program: N/As:	Fail	See investment description, IRPAs not applicable
Waterloo Area 67 UGL	Div_67 - Waterloo	Distribution Stations	Pass	738476	WATE: 26Q-271 Allan Park, Class 7 Station Rebuild, class c leak repairs and corrosion	2026	$	310,080	Issue/Concern/Opportunity: There are 4 good "c" leaks on this station on the outlet just before going into the plastic risers. The station would need to be shut down for these leaks to be fixed. We would lose 44 customers to my count. 1 being Telesat Canada which has numerous meters on satellites and one at the very North end being a chicken barn. Justification: Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	101057	32311A - WILLIAM & PRESTON LAKE DISTRICT	2026	$	309,137	Issue/Concern/Opportunity: (from Field) Minor heaving, Minor corrosion Justification: Minor heaving, Minor corrosion Assets: District Station 32311A	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	735302	33525A Bathurst & Rutherford hp-ip	2028	$	307,100	Issue/Concern/Opportunity: (from Field) Station sitting low requiring a station raise and install with new box Assets: District Station 33525A Justification:	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734793	King: Invista BCF-93 (Kingston)	2026	$	306,139	Station Rebuild -Ergonomic and OS - review sooner for CNG due to Kingston Lateral Replacement - Identified AC and clearance issues	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	734690	LOND: 17M-601 Centralia Stn	2025	$	305,691	Issue/Concern/Opportunity: Pool heater, no spill containment Justification: Heater replacement. Further work TBD Assets: 17M-601 Related Investments: none	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	734400	NE: 43203229 - Charlotte St PRS Abandonment	2026	$	305,439	Issue/Concern/Opportunity: Pitting corrosion on both risers seems to be substantial, and the existing 621 reg is obsolete. New scope is pipe reinforcement on the two 420kPa systems along Struthers St between Adelaide St and Charlotte St. Existing station will be abandoned and removed. Justification: Station abandonment will prevent any further issues with the existing station. Assets: 43204045 - Charlotte PRS Related Investments:	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	502772	WIND - 06B-314R Isabelle Place LP - rebuild	2027	$	305,143	Issue/Concern/Opportunity: rebuild LP station due to improper OPP and regulation Justification: Company initiative to fix all LP stations by 2024. Rebuild using Lakeside enclosed station. Assets: 06B-314R Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	18915	ELM ST & OAK ST DISTRICT LP	2026	$	301,609	Issue/Concern: Net Ops Score: 4 SPRING ABOVE GROUND Single Source AGE: 38.8 Customer Count: 39 Utilization: 0.04615977 # of Regs/Avg Size: 2 / 0in Submitted by: Assets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable
Sarnia Area 04 UGL	Div_03 - Sarnia	Distribution Stations	Pass	734670	SARN: 13F-501 Sarnia Industrial	2030	$	301,301	Issue/Concern/Opportunity: The station is located on leased property that is limited in size and makes it difficult to install a required filter. In addition, the heater is past its average lifespan and there are other ergonomic concerns. There is an opportunity to merge the station with 13F-503 Churchill Rd Station and will be assessed during this project. Justification: Entire rebuild, potentially relocate. Assets: 13F-501 Related Investments: 13F-503 may potentially be merged with this station in a relocation.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	7778	WOODBINE & CNR FEEDER	2026	$	299,819	Pipe, Valves & Others: Not required. Heating System: Not required. Pressure Control: Not required. Odourant System: Not required. Telemetry/Electrical: Not required. Measurement: Not required. Civil: Minor site grading, emergency egress gate and two sides of site will be required.	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	748371	GDS Critical Security Upgrade Ottawa Gate Station	2025	$	299,365	Project is aimed to enhance security across critical station sites by the upgrading the station's security systems. The upgraded security measures will establish remote monitoring of assets for quick and timely interventions and by electronic access control into the station and its buildings. This investment is a program to remediate the physical and cyber security related threats stations identified by the identified high priority pipeline facilities identified in Annex B of the Framework Standard - Physical Security in Annex B (buildings or rooms in the field that contain Operational Technology (OT) and Information Technology (IT), SCADA control rooms, security control rooms). This program will be remediated by approaching approximately 5 sites per year (there are some in LUG franchise as well). The risk assessment is complete as per the corporate standard and a pilot is commencing at Hamilton Gate 1/2. Details for GDS risk assessment are underway.	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	748372	GDS Critical Security Upgrade Winston Churchill	2025	$	299,365	Project is aimed to enhance security across critical station sites by the upgrading the station's security systems. The upgraded security measures will establish remote monitoring of assets for quick and timely interventions and by electronic access control into the station and its buildings. This investment is a program to remediate the physical and cyber security related threats stations identified by the identified high priority pipeline facilities identified in Annex B of the Framework Standard - Physical Security in Annex B (buildings or rooms in the field that contain Operational Technology (OT) and Information Technology (IT), SCADA control rooms, security control rooms). This program will be remediated by approaching approximately 5 sites per year (there are some in LUG franchise as well). The risk assessment is complete as per the corporate standard and a pilot is commencing at Hamilton Gate 1/2. Details for GDS risk assessment are underway.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	101056	31428A - RAM FOREST & WESLEY CORNERS	2027	$	295,914	Issue/Concern/Opportunity: (from Field) Minor heaving, Valve issues. Justification: Minor heaving, Valve issues. Assets: District Station 31428A	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	733765	SUD: Chelmsford, Boiler Replacement	2028	$	293,358	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 385 CWT Heater installed in 2009 at this station are set to be replaced in 2027 (Heater to be 18 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 44301004 - Chelmsford Related Investments: NA	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	735301	33300A ISLINGTON & HWY # 407 HP DIST	2028	$	291,356	Issue/Concern/Opportunity: (from Field) • low, watermaker Assets: District Station 33300A	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	735276	LOND: 15J-401 Forest Gate Transmission Station	2029	$	291,258	Issue/Concern/Opportunity: Heater age (per integrity) Justification: replace heater Assets:15J-401 Forest Gate Related Investments: n/a	Fail	See investment description, IRPAs not applicable

GTA East Area 40 EGD	40 - Whitby	Distribution Stations	Pass	735168	44512A YANKEE LINE & RUSSELL DISTRICT	2026	$	285,235	Issue/Concern/Opportunity: (from Field) • as per email from Marty Bown on Sept 27, 2023 - this is just an old station that never had a box over it so it's been exposed to weather for decades and is in bad shape. It's also in a terrible location at the bottom of a ditch surrounded by trees / vegetation – actually just about a month ago a tree came down, fell on the station and damaged it – broke two sections of pipe, luckily on the IP side and not the XHP side. The slope to get to the station is pretty steep and the parking is terrible. Assets: District Station 44512A	Fail	See investment description, IRPAs not applicable	
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	739693	Sales Stations Rebuilds Area 10	2025	$	284,577	Sales Stations are the final pressure control point prior to entering into a customer's building. Operational failure of a sales station such as loss of containment can lead to an explosion or fire. Some factors included in this risk category are damage to property, injuries to members of the public, and the cost to repair the damaged assets. Over-pressure at a sales station can lead to over-pressure in the customer piping system, causing potential leaks in the downstream system or inside customer premises. This could result in consequences of ignition within the customer's property. Under-pressure at a sales station can lead to loss of service for customers, which is particularly a problem if the gas is used for process, home heating, or for life safety generators. The Sales Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues Non-conforming installations: The design or configuration of some sales stations does not allow for required maintenance work (compliance work) to be completed without customer interruptions. Installation practices have evolved such that an older station may require a rebuild to ensure operational integrity. Design or configuration of a sales station may not allow for required maintenance work (compliance work) to be completed without customer interruptions. Obsolete parts: The failure of obsolete regulators would cause excessive delay to repair since parts are not readily available. This could lead to a disruption in service and may impact the safe and reliable delivery of natural gas to customers. Unsafe installation locations: Stations may be exposed to the elements, located in potentially hazardous locations, lack proper clearances and be susceptible to potential threats from third-party damages. Development and encroachment may also increase the risk of a sales station. Any of these issues could result in a rebuild. Integrity of a station: A station may be subject to corrosion and degrading paint and pipe coating due to age or environment may decrease the integrity of the piping and components. The effects of time and/or frost heaving can impact alignment that may cause a station to be rebuilt. Based on the historical replacement rate of the sales station population, and comparing to the condition assessment findings, it is expected that the replacement rate should increase as part of the Asset Plan. The Sales Station Rebuild Program will target approximately 100 stations per year to address the issues above.	Fail	See investment description, IRPAs not applicable	
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	100777	KING - Under rated valve Trenton TBS 27601001	2026	$	283,462	This station has 2 regulator run outlet convenience valves that have been identified that are not rated for the potential pressure they are exposed to during operational checks will be replaced.There is risk for potential employee injury, equipment over pressurization and process upset. Plant failure, brand image, system reliability Replacing plant items to maintain reliability	Fail	See investment description, IRPAs not applicable	
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	735173	32564A - MILL RD & KING SIDEROAD DISTRICT	2025	$	282,983	Issue/Concern/Opportunity: (from Field) station has heavy corrosion May need to install 55m of 2" XHP GM to replace the 1" ST XHP GM to the station Justification: Assets: District Station 32564A	Fail	See investment description, IRPAs not applicable	
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	502773	WIND - 06B-517R Ypres LP - rebuild	2025	$	280,160	Issue/Concern/Opportunity: rebuild LP station due to improper OPP and regulation Justification: Company initiative to fix all LP stations by 2024. Lakeside station build. Assets: 06B-517R Related Investments:	Fail	See investment description, IRPAs not applicable	
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	735375	WIND: 07H-402R Peter St Station LP	2025	$	280,160	Issue/Concern/Opportunity: LP System needs better OPP Justification: Rebuild station with mon-op set-up and relief valves Assets: 07H-402R Peter St LP Related Investments: N/A	Fail	See investment description, IRPAs not applicable	
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	748373	GDS Critical Security Upgrade Hamilton Trafalgar Take Off Station	2025	$	278,017	Project is aimed to enhance security across critical station sites by the upgrading the station's security systems. The upgraded security measures will establish remote monitoring of assets for quick and timely interventions and by electronic access control into the station and its buildings. This investment is a program to remediate the physical and cyber security related threats stations identified by the identified high priority pipeline facilities identified in Annex B of the Framework Standard - Physical Security in Annex B (buildings or rooms in the field that contain Operational Technology (OT) and Information Technology (IT), SCADA control rooms, security control rooms). This program will be remediated by approaching approximately 5 sites per year (there are some in LEG franchise as well). The risk assessment is complete as per the corporate standard and a pilot is commencing at Hamilton Gate 1/2. Details for GDS risk assessment are underway.	Fail	See investment description, IRPAs not applicable	
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	748374	GDS Critical Security Upgrade Bronte Gate Station	2025	$	278,017	Project is aimed to enhance security across critical station sites by the upgrading the station's security systems. The upgraded security measures will establish remote monitoring of assets for quick and timely interventions and by electronic access control into the station and its buildings. This investment is a program to remediate the physical and cyber security related threats stations identified by the identified high priority pipeline facilities identified in Annex B of the Framework Standard - Physical Security in Annex B (buildings or rooms in the field that contain Operational Technology (OT) and Information Technology (IT), SCADA control rooms, security control rooms). This program will be remediated by approaching approximately 5 sites per year (there are some in LEG franchise as well). The risk assessment is complete as per the corporate standard and a pilot is commencing at Hamilton Gate 1/2. Details for GDS risk assessment are underway.	Fail	See investment description, IRPAs not applicable	
Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	748375	GDS Critical Security Upgrade Station B	2025	$	278,017	Project is aimed to enhance security across critical station sites by the upgrading the station's security systems. The upgraded security measures will establish remote monitoring of assets for quick and timely interventions and by electronic access control into the station and its buildings. This investment is a program to remediate the physical and cyber security related threats stations identified by the identified high priority pipeline facilities identified in Annex B of the Framework Standard - Physical Security in Annex B (buildings or rooms in the field that contain Operational Technology (OT) and Information Technology (IT), SCADA control rooms, security control rooms). This program will be remediated by approaching approximately 5 sites per year (there are some in LEG franchise as well). The risk assessment is complete as per the corporate standard and a pilot is commencing at Hamilton Gate 1/2. Details for GDS risk assessment are underway.	Fail	See investment description, IRPAs not applicable	
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734779	King: Cornwall Centre PRS	2029	$	276,193	Station upgrade - OS - upgrade to modern	Fail	See investment description, IRPAs not applicable	
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	21386	Instrument Upgrades + Support	2025	$	275,416	Issue/Concern: Replacement of obsolete instruments to address the issue of accuracy found in recent years. SCOPE To replace obsolete instruments to address the issue of accuracy found in recent years. Part of it to buy HART communicator to configure E&H Coriolis flow meter. Assets: Related Program (if applicable): FY20: Procure new ILI equipment to replace the old unit. FY21: Replace aging or troublesome flow transmitter at PEC. Install CO detectors in Boiler Buildings.	Fail	See investment description, IRPAs not applicable	
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	18916	HIGHWAY #3 & HOUSE RD DISTRICT	2028	$	274,355	Issue/Concern: Net Ops Score: 4 SPRING ABOVE GROUND Single Source AGE: 35 Customer Count: 21 Utilization: 0.1328891 Inlet below grade valve located 3' from station and other below grade valves are in same close proximity and Vent for casing also right beside station # of Regs/Avg Size: 2 / 0in Submitted by: Assets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable	
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	735175	20702A DIXIE & BRITANNIA DISTRICT	2026	$	272,612	Issue/Concern/Opportunity: (from Field) Kerotest Valves passing severely Assets: District Station 20782B	Fail	See investment description, IRPAs not applicable	
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	735174	20782B DERRY & TOMKEN IP DISTRICT	2025	$	271,412	Issue/Concern/Opportunity: (from Field) Kerotest Valves passing severely Assets: District Station 20782B	Fail	See investment description, IRPAs not applicable	
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	749729	Bond Head Gate Boiler Replacement	2025	$	269,429	Issue/Concern/Opportunity: To replace a boiler that failed and requires immediate remediation. Justification: Asset failed and is required to maintain safe and reliable operations. Assets: Related Investments:	Fail	See investment description, IRPAs not applicable	
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	735298	85075A HIGHWAY 3 & SNIDER RD DISTRICT	2028	$	264,759	Issue/Concern/Opportunity: (from Field) Corrosion Justification: Corrosion Assets: District Station 85075A	Fail	See investment description, IRPAs not applicable	
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	23766	ST. PAUL & SANDFIELD DISTRICT (ALEXANDRIA)	2025	$	261,478	Issue/Concern: Poor overall, upgrade to 627s and larger box, paint Box very small, causes worker to work in awkward positions for routine work Assets: SPRING ABOVE GROUND Single Source AGE: Install date unknown Customer Count: 35 Utilization: 0.05	Fail	See investment description, IRPAs not applicable	
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	18887	DELORAINE & YONGE DISTRICT	2027	$	256,091	Issue/Concern: BOOT BELOW GROUND BOX AGE: 21.5 Customer Count: 187887 Capacity Concerns Utilization: 0.4223174 # of Regs/Avg Size: 4 / 0in - Below ground station - Visible Corrosion - Station being pushed outwards towards box. Box being pushed in towards station. Assets: Related Program (if applicable): N/A	Fail	See investment description, IRPAs not applicable	
Northweste rn Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	733769	TIMM: South Porcupine/Crawford TBS, Boiler Replacement	2029	$	251,084	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 250,000 btu BS&B Heater installed in 1996 at this station are set to be replaced in 2024 (Heater to be 28 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 41902029 - South Porcupine/Crawford TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable	
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733823	NBAY: Ravensglen TBS, Boiler Replacement	2029	$	251,084	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: BS&B Heater installed in 2004 at this station are set to be replaced in 2029 (Heater to be 25 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43901001- Ravensglen TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable	
Northeaste rn Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	502661	NE: 45401095 - Great Northern Rd TBS, Boiler Replacement	2025	$	250,021	Issue/Concern/Opportunity: Boiler has failed, flow is currently being biased to Second Line TBS to help. Replacement with new boiler and controls Justification: Station requires boiler replacement to prevent freeze off and shutting gas to the downstream system. Assets: Station 45401095 Related Investments: N/A	Fail	See investment description, IRPAs not applicable	
Northweste rn Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	100945	TBAY: Longlac TBS, Heater Replacement	2026	$	249,297	Issue/Concern/Opportunity: Need to replace aging boiler system (1991 vintage) equipped with below-grade glycol lines. Also, need to replace the heater with an appropriate size stand-alone heater. There is also a need to remove the existing Micro Odourant Injection System (MOIS). Note that the Longlac TBS is on the sites of concern for mercury contamination. The most likely risk/scenario is increased risk of an environmental incident. The worst case scenario is leakage of the below-grade boiler glycol lines, which could have an environmental impact and require cleanup. There is also the potential for loss of regulation during the winter, resulting in brand/reputation damage. Please see the attached photos for further clarification. Assets: Station ID 31101002 Related Program: There are no related C55 investments.	Fail	See investment description, IRPAs not applicable	
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	18907	MAYFIELD & DIXIE DISTRICT	2027	$	249,270	Issue/Concern: Net Ops Score: 3 SPRING ABOVE GROUND Single Source AGE: 21.1 Customer Count: 28 Utilization: 0.1156751 Needs to be relocated # of Regs/Avg Size: 4 / 0in Submitted by: Randy R. Assets: Related Program (if applicable).	Fail	See investment description, IRPAs not applicable	

Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	18913	LAKE & MCNEELEY DISTRICT (CARLETON PLACE)	2027	$	249,270	Issue/Concern: Net Ops Score: BOOT ABOVE GROUND BOX AGE: 22.4 Customer Count: 4069 Utilization: 0.2005294 All regs tied into same sense lines. Rebuild in place # of Regs/Avg Size: 4 / 0in Submitted by: Assets: Related Program (if applicable).	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	735180	12377A PURPLE DUSK TRAIL & NEILSON DISTRICT	2025	$	248,159	Issue/Concern/Opportunity: (from Field) • Below ground box Assets: District Station 12377A	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	743604	A60: 6B979A - BIRCH @ SANDRIDGE DISTRICT	2027	$	244,872	Issue/Concern/Opportunity: station replacement if the St Laurent replacement program goes ahead in 2024 as the existing 12 NPS SC XHP will be replaced along Sandridge. Justification: Station rebuild required due to main replacement Assets: Stn 6B979A, inlet 6584.1723:1821 1.26 NPS ST XHP, outlet 6548:184:9656 2 NPS ST IP Related Investments: SLPRP More details to come in 2024.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	739580	LEG - ERX Cloudlink Modem Replacement	2025	$	244,688	Issue/Concern/Opportunity: Lost of communications related to Rogers Network (3G) communication for our ERX field device Justification: Required to ensure continuous operation of our field communication device Assets: ERX Modem Device (Cloudlink) Related Investments: None	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733766	NBAY: West St TBS, Boiler Replacement	2028	$	243,557	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 1155 CWT Heater installed in 2010 at this station are set to be replaced in 2027 (Heater to be 17 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43801001 - West St TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	18918	PORTAGE & MAYFAIR DISTRICT LP	2027	$	243,273	Issue/Concern: Net Ops Score: 5 SPRING ABOVE GROUND AGE: 51.4 Customer Count: 550 Utilization: 0.1936065 # of Regs/Avg Size: 1 / 0in Submitted by: Assets: Related Program (if applicable).	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	101122	81210A - ROXBOROUGH & RIDGE DISTRICT LP	2028	$	236,377	Issue/Concern/Opportunity: (from Field) Corrosion Justification: Corrosion Assets: District Station 81210A	Fail	See investment description, IRPAs not applicable
GTA East Area 40 EGD	40 - Whitby	Distribution Stations	Pass	736665	SRP2024, (40)Station Rebuild 42183A Brock and 3rd Conc SRP	2028	$	236,377	Issue/Concern/Opportunity: Scope: Station 42183A Rebuild Reinforcement - Pressure regulation upgrades are required to meet the downstream forecasted demands. The reason upgrades are required is to meet capacity requirements to feed network. Assets: District station rebuild Related Proeram: Not aoolicable	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	18851	ONTARIO & DEERE DISTRICT LP	2028	$	233,258	Issue/Concern: SPRING ABOVE GROUND AGE: 38.9 Customer Count: 202 Utilization: 0.0477441 # of Regs/Avg Size: 1 / 0in Assets: Related Program (if applicable): N/A	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	18893	BOVAIRD & MISSISSAUGA DISTRICT	2027	$	233,258	Issue/Concern: Net Ops Score: 3 BOOT ABOVE GROUND BOX AGE: 11.2 Customer Count: 77069 Capacity Concerns Utilization: 0.5911455 1" EZR - May have grade issues. # of Regs/Avg Size: 4 / 0in Submitted by: Sean S Assets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	742633	Essar Plant Backfeed - Boilers	2025	$	233,133	Issue/Concern/Opportunity: Replacement of 2 boilers. Large industrial customer requires both boilers running at all times . Control logic errors, cracked support, cannot remove tray for maintenance. Justification: Risk of large contract customer going down. Assets: 15100083 Essar Plant Backfeed Related Investments:	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	18832	ONEIDA LANE DISTRICT LP	2028	$	232,885	Issue/Concern: Net Ops Score: 4 SPRING ABOVE GROUND Single Source AGE: 46.1 Customer Count: 17 Utilization: 0.02252649 # of Regs/Avg Size: 2 / 0in Submitted by: Assets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	735172	30988A CONCESSION 2 & TWMARC DISTRICT	2026	$	231,792	• Access - station is in a flooded ditch just off the roadway, and is located beside train tracks • Corrosion • Excessive Heaving - photos shows station on pretty severe angle Assets: District Station 30988A	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	747087	A60: Chesterton Dr Header Station	2025	$	230,669	Issue/Concern/Opportunity: Inside Reg Station Relocation. A 'station' (not banded and not previously maintained by SO) feeding part of an LP header in a Ottawa. There is an inside LP station in a confined space that feeds about 40-50 residential units at an Ottawa Community Housing site. Justification: Safety - Inside regulator in a confined space and access issues Assets: The station is a 2" IP inlet with a 4" LP outlet. There is room across the street to install a proper station to feed this small network, with a short run of new inlet piping. Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Distribution Stations	Pass	48993	Sandwich Station Assessment and Remediation	2025	$	226,769	Issue/Concern: Heater, Pressure Drop,Glycol,Pipe Integrity Assets: Sandwich Station Related Programs: Not applicable	Fail	See investment description, IRPAs not applicable
Waterloo Area 67 UGL	Div_67 - Waterloo	Distribution Stations	Pass	747322	Strausburg 1st Cut Repair & Mitigation	2025	$	224,468	Issue/Concern/Opportunity: This station is the main feed to all of Kitchener/Waterloo. It flows approximately 132,000 m3/h . at peak flow and each regulator run can sustain 66,000 m3/h. The cut has three regulator runs therefore requiring two to be functional at all times. The week of November 25th one of the regulators broke down and now this station has no redundancy. The two functioning regulator runs will can handle the flow but if another regulator breaks, we may lose the KW area. The long-term strategy is to replace these regulators with FLs that have less turbulence in them. For now, we are looking at fixing the broken regulator and swapping the pilots on the other two in order to maintain a more consistent functionality to avoid those regs also breaking down. The cause is thought to be the boot in the EZR not handing the high flow. Justification: If we don't fix this regulator and swap the pilots we risk losing Kitchener/Waterloo main feed. Assets: 18T-501 1st Cut (three NPS 6 EZRs 60% Trims) Related Investments:	Fail	See investment description, IRPAs not applicable
GTA East Area 40 EGD	40 - Whitby	Distribution Stations	Pass	102465	CAMPBELLFORD GATE	2026	$	223,834	STATION NAME: Campbellford Gate Station STATION NUMBER: 40066A VALVE & PIPING : 2" EZR – EZH. Station bypass needs relocating below grade (Not high priority). ODOURIZATION: YZ Pumps 500 gal tank. HEATING: Boilers and boiler system approx 5 years old. CIVIL ASSETS: Fence and compound in good repair.	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	747006	Halton Hills CoGen Odourant Tank, 19K-303V	2026	$	223,503	Issue/Concern/Opportunity: Halton Hills Take-Off Station (19K-303V) needs an additional mois odourant cabinet Justification: Increased load being taken by Atura power (increasing to take their full contracted gas volume) Assets: Halton Hills Take-Off Station (19K-303V) Related Investments: none	Fail	See investment description, IRPAs not applicable
GTA East Area 40 EGD	40 - Whitby	Distribution Stations	Pass	735304	2885749 Taunton and Gillett	2026	$	223,217	Issue/Concern/Opportunity: (from Field) •frost heave Justification: Assets: District Station 2885749	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734769	King: Customer SMS 2-95-01-027 (Comwall)	2026	$	221,100	Station Rebuild - Service from grasshopper goes under building catwalk - can't complete regulator lockup - station meter run has no bypass - meter change would require a customer shut off Station FID: 806454968	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	502509	Eastern (LUG) IRR Program	2025	$	217,372	Issue/Concern/Opportunity: Review of Inside Regulator Rooms (IRR) in the LUG system and remediation as required Justification: We no longer allow IRRs as part of our standard designs as they pose various operational risks. Assets: Assets span the entire LUG system, review was done for all areas Related Investments:	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	735186	3226642 LATIMER & ROSELAWN DISTRICT STATION	2025	$	215,129	Issue/Concern/Opportunity: (from Field) • Below ground box Assets: District Station 3167988	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	739689	Header Stations Rebuilds Area 10	2025	$	213,923	Header Stations are the pressure regulating point at the transition from the distribution system to private property. Failure causing over-pressure could unintentionally introduce high pressure gas into the customers' property. Leak or loss of containment at a header station can lead to an explosion or fire. The Header Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-standard configuration: Configuration that doesn't meet current engineering standards which are based upon safe and reliable operation. A single run station would be an example of a non-standard configuration. Boot-style regulators: Stations with both operator and monitor boot-style regulators have a single common failure mechanism resulting from debris in the gas stream. Replacement of one boot style regulators with a non-boot style regulator reduces the vulnerability of failure of both the operator and the monitor regulator from a single failure mechanism. Unsafe installation locations: Header stations may also be included in the replacement program because their location is out of compliance with spacing requirements, such as distance from building openings or conflicts of the electrical hazardous area classification. Replacement may also be triggered because the station location is susceptible to damage from its environment, such as falling debris or traffic. Poorly performing components: If a particular header station has required significant maintenance work, it would be included in the rebuild program. Poor condition: A station may have significant deterioration of the assets that would require replacement. This would include significant pitting from corrosion, inability for a relief valve to reset, or a regulator to not hold set point despite a complete service. Obsolete Regulators: The criteria for this category is that there are no spare parts available, they are no longer approved for use on new installations or a combination poor performance and manufacturer availability. When an obsolete regulator fails, it cannot be easily replaced and a disruption in service to the customer may result. Increased Capacity: Stations that are operating over designed capacity due to increased customer load are targeted for replacement to maintain gas supply. The Header Station Rebuild Program mitigates the risks associated with poorly performing stations, as the potential failure of a header station may carry substantial risks. A single header station may service hundreds of customer and the consequence of a station failure can be significant. Stations are evaluated to validate downstream customer impacts, asset condition, and workers' health and safety to ensure maximum risk reduction and benefit for each replacement.	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	733843	NE: Espanola DRS & Domtar SMS, Station Rebuild	2027	$	207,282	Issue/Concern/Opportunity: The station both the Domtar and Espanola cuts do not meet our current station design criteria for velocity, pipe size and ability to perform isolation and equipment bypass for maintenance and/or emergency. Electrical and Telemetry deficiencies requiring the telemetry system to be replaced. Regulation will also require proper heat trace. Station requires full rebuild next to existing - requiring new property, fence, possible blasting, boiler upgrade. Justification: Current station setup has multiple electrical and telemetry deficiencies. The site is not properly isolated from the pipeline system or the customers piping and it's causing downed plant on our Espanola Lateral. Station rebuild would meet current station design criteria correcting deficiencies and would allow for proper maintenance and bypass in an emergency. Assets: Station 43202143 - Espanola DRS, 43202080 - Domtar SMS Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	501161	NE: 43202154 - Bil-Mur PRS, Rebuild	2028	$	207,282	Issue/Concern/Opportunity: Frost heaving at station that will require the station to be rebuilt. Justification: Assets: Station 43202154 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
London Area 64 UGL	Div_64 - London	Distribution Stations	Pass	734668	LOND: 13O-210R Hale and Burslem	2028	$	207,282	Issue/Concern/Opportunity: LP risk assessment - High Risk Justification: Station rebuild - part of LP System staying in place Assets: 13O-210R Related Investments: None	Fail	See investment description, IRPAs not applicable

London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	734678	LOND: 13O-212R Highbury and Brydges	2028	$	207,282	Issue/Concern/Opportunity: LP risk assessment - High Risk Justification: Station rebuild - part of LP System staying in place Assets: 13O-212R Related Investments: none	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	735052	HALT: Saputo, rebuild	2028	$	207,282	Heavy corrosion Bad location safety concern for evacuation, relocate required	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	736626	Summit Trans Station	2028	$	207,282	Issue/Concern/Opportunity: The station is scheduled for modifications/rebuild as part of the Asset Management Plan. An assessment of the station will be completed to verify the existing condition of the gas and glycol carrying pipe and components at the facility. This assessment will be used to validate whether the future planned work at the site will address any existing condition issues or whether the scope must be increased to remediate new issues found during the assessment. Any pressure vessels and tanks on the station site will be included in the assessment to ensure compliance with CSA Z662 and API requirements, verifying that they remain fit for continued service. Piping covered by insulation will have the insulation removed for assessment, or a technology not requiring insulation removal will be used to verify condition of insulated piping. Below grade piping will be assessed using a combination of direct and indirect inspection technologies. All exposed above grade piping will be visually assessed and non-destructive examination performed as deemed necessary by the visual inspection. Justification: Assets: Station ID: 16W-203 Related Investments:	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	18909	BRAMALEA & ADVANCE BLVD. DISTRICT	2027	$	205,440	Issue/Concern: BOOT ABOVE GROUND AGE: 22.5 Customer Count: 60281 Utilization: 0.1534899 Station entrance/compound to be cleaned up. Holes filled # of Regs/Avg Size: 4 / 0in Assets: Related Program (if applicable): N/A	Fail	See investment description, IRPAs not applicable
Northwester n Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	100942	TBAY: Red Rock TBS, Heater Replacement	2029	$	205,027	Issue/Concern/Opportunity: Need to replace oversized boiler system equipped with below-grade glycol lines. Also, need to replace the heater to an appropriate size. The station is considerably oversized as a result of the Red Rock Mill closure and does not experience accurate control due to low flows. The Red Rock TBS is on the sites of concern for mercury contamination. The most likely risk/scenario is increased risk of an environmental incident. The worst case scenario is leakage of the below-grade boiler glycol lines, which could have a significant environmental impact and require cleanup. There is also the potential for loss of regulation during the winter, resulting in brand/reputation damage. Please see the attached photos for further clarification. Assets: Station ID 30401002 Related Program: There are no related C55 investments.	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	733762	SUD: Barrydowne, Boiler Replacement	2026	$	204,092	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 315 CWT Heater installed in 2009 at this station are set to be replaced in 2026 (Heater to be 17 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43202019 - Barrydowne DRS Related Investments: NA	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	736628	White Oaks Stn	2028	$	202,922	Issue/Concern/Opportunity: The station is scheduled for modifications/rebuild as part of the Asset Management Plan. An assessment of the station will be completed to verify the existing condition of the gas and glycol carrying pipe and components at the facility. This assessment will be used to validate whether the future planned work at the site will address any existing condition issues or whether the scope must be increased to remediate new issues found during the assessment. Any pressure vessels and tanks on the station site will be included in the assessment to ensure compliance with CSA Z662 and API requirements, verifying that they remain fit for continued service. Piping covered by insulation will have the insulation removed for assessment, or a technology not requiring insulation removal will be used to verify condition of insulated piping. Below grade piping will be assessed using a combination of direct and indirect inspection technologies. All exposed above grade piping will be visually assessed and non-destructive examination performed as deemed necessary by the visual inspection. Justification: Assets: Station ID: 13O-401 Related Investments:	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733757	NBAY: Muskoka Falls TBS, Boiler Replacement	2026	$	201,825	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 385 CWT Heater installed in 2009 at this station are set to be replaced in 2024 (Heater to be 15 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43602001 - Muskoka Falls TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	736630	St. Mary's 1st stage	2028	$	201,787	This rebuild is combined with the FIMP investment #736633 (Oracle/SAP #64-22-310). Issue/Concern/Opportunity: The station is scheduled for modifications/rebuild as part of the Asset Management Plan. An assessment of the station will be completed to verify the existing condition of the gas and glycol carrying pipe and components at the facility. This assessment will be used to validate whether the future planned work at the site will address any existing condition issues or whether the scope must be increased to remediate new issues found during the assessment. Any pressure vessels and tanks on the station site will be included in the assessment to ensure compliance with CSA Z662 and API requirements, verifying that they remain fit for continued service. Piping covered by insulation will have the insulation removed for assessment, or a technology not requiring insulation removal will be used to verify condition of insulated piping. Below grade piping will be assessed using a combination of direct and indirect inspection technologies. All exposed above grade piping will be visually assessed and non-destructive examination performed as deemed necessary by the visual inspection. Justification: Assets: Station ID: 16O-301 Related Investments:	Fail	See investment description, IRPAs not applicable
Northwester n Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	733772	TBAY: Vermillion Bay PCS, Boiler Replacement	2028	$	201,064	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 770 CWT Heater installed in 2012 at this station are set to be replaced in 2027 (Heater to be 15 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 30801001 - Vermillion Bay PCS Related Investments: NA	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	734664	LOND: 10M-503R Main and Shackleton	2029	$	200,867	Issue/Concern/Opportunity: Frost heave - impacting road outside of station Justification: Add heater/ readjust piping below ground Assets: 10M-503R Related Investments: none	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	734691	LOND: 15R-608R Walter and Fyfe Reg Stn	2029	$	200,867	Issue/Concern/Opportunity: LP Risk Assessment Justification: Station rebuild - part of LP System staying in place Assets: 15R-608R Related Investments: none	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	735065	HAMI: 16X-349I & 16X-350I, Customer Station	2029	$	200,867	16X-349I is no longer in use and has been closed off but the customer wants to keep the station in place just in case they require additional loads in the future. 16X-350I is still active and flowing. The station has obsolete equipment which needs to be changed to the current station standards, one of the regulator runs is currently not running and the regulators currently installed have no replacement parts. The plan is to rebuild this station and replace it with a PFM station, which is to be carried out by our commercial crew.	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	736082	NE: 45101001 - Sault Primary, Control Valve Modifications	2026	$	198,423	Issue/Concern/Opportunity: Outstanding work in the Control program for the Primary Control Valves. The DVC controllers to be upgraded, as well as repair/replacement of transmitters, switches, and analogue input card. Justification: Modifications will improve reliability and the reaction of the control valves in various failure situations. Assets: 45101001 - Sault Primary Related Investments:	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	736611	Kempville GATE FIMP	2028	$	197,820	Justification: FIMP inspection to assess station condition ahead of planned rebuild to support scoping activities Assets: Station ID: 6A150A	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	101119	21116A - DERRY & HISTORIC TRAIL	2024	$	196,260	Issue/Concern/Opportunity: (from Field) Corrosion Justification: Corrosion Assets: District Station 21116A	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	101120	21102A - BRESLER & AIRPORT	2024	$	195,750	Issue/Concern/Opportunity: (from Field) Corrosion Justification: Corrosion Assets: District Station 21102A	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	747740	A60: Station Alteration Work	2025	$	194,348	Station alteration work to avoid full station rebuilds. Stations for 2025 execution: •A60: 61422A - Cioil St, CFB Uplands District •A60: 68882A - Landsdowne and Hillsdale District •A60: 68467A - Ogilvie and Cummings District Scope for the stations listed above include new regulators, new inlet riser piping and valves.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	735311	3381554 MCCOWAN AND SHEPPARD DISTRICT	2025	$	194,305	Issue/Concern/Opportunity: (from Field) • Below ground box Assets: District Station 3381554	Fail	See investment description, IRPAs not applicable
Northwester n Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	733770	TIMM: Porcupine PCS, Boiler Replacement	2028	$	191,736	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 2 x 315 CWT Heater installed in 2008 at this station are set to be replaced in 2026 (Heater to be 18 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 41901015 - Porcupine PCS Related Investments: NA	Fail	See investment description, IRPAs not applicable

GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	735303	35053A Dufferin Langstaff (langstaff & 407)	2026	$	190,685	Issue/Concern/Opportunity: (from Field) • in a ditch, watermaker, needs to be raised Assets: District Station 35053A	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	736629	Beachville Domtar	2028	$	189,979	Issue/Concern/Opportunity: The station is scheduled for modifications/rebuild as part of the Asset Management Plan. An assessment of the station will be completed to verify the existing condition of the gas and glycol carrying pipe and components at the facility. This assessment will be used to validate whether the future planned work at the site will address any existing condition issues or whether the scope must be increased to remediate new issues found during the assessment. Any pressure vessels and tanks on the station site will be included in the assessment to ensure compliance with CSA Z662 and API requirements, verifying that they remain fit for continued service. Piping covered by insulation will have the insulation removed for assessment, or a technology not requiring insulation removal will be used to verify condition of insulated piping. Below grade piping will be assessed using a combination of direct and indirect inspection technologies. All exposed above grade piping will be visually assessed and non-destructive examination performed as deemed necessary by the visual inspection. Justification: Assets: Station ID: 14R-104 Related Investments:	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	738922	A80: KILLALY ST W EAST OF HWY 3 W DIST STN	2028	$	182,655	Issue/Concern/Opportunity: (from Field) corrosion on station Justification: Assets: District Station 85021A	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	739613	King: Power Dam DRS Valve Replacements	2028	$	181,372	The station bypass valve is not operable and the isolation valve for the RV assembly is leaking. The RV isolation valve is a non-standard plug valve. This project will see the replacement of the inoperable bypass valve and leaking RV isolation valve. Presentation, Maps and Background Information (cut and paste this string into the ProjectWise address line): pw:\\pwintegration.gtna.gt.ds:TRM_PROD\Documents\.Stations\Eastern\29501080 Power Dam Rd\2023 Valve Replacements - Station Bypass and RV Isolation\Project Management\Comwall System and Power Dam DRS Issues	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	734565	TBAY: 500 Toledo St MUB Rebuild	2027	$	180,819	Issue/Concern/Opportunity: Station rebuild required due to clearance issues. Assets: Station 30203449. Related Investments: None.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	18814	COXWELL & EASTERN AVENUE DISTRICT	2026	$	176,102	Issue/Concern: Net Ops Score: 3 BOOT ABOVE GROUND AGE: 28.4 Customer Count: 98960 Utilization: 0.2857571 Starting to show its age but works well. Corrosion is not that bad on station and overall condition of station is ok # of Regs/Avg Size: 4 / 0in Submitted by: Andrew - Corrosion on most of station components - Axial flow Regs which are labour intensive to repair and maintain - Forms indicated Rebuild in Place, but recommend just to replace Regs & re paint as otherwise station is in good conditionAssets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	745869	HALT: Guelph Line & #1 Side Rd Rebuild, 18X-502R	2026	$	172,178	Class 7 station on Guelph line and Sideroad 1 is running at 30psi with 2x - B35R. The B35Rs will relieve once the pressure gets bumped up with the back-feed from Cedars springs (Project 17-24-373). DOE recommends Guelph Line & #1 Side Rd station - 18X-502R (currently set to 200 kPa) be upgraded as it goes to a no-flow state with the proposed main extension. Upgrading the station would make the overall network healthier and allow for a back feed to the network. Existing station will be cut out and abandon in 2024, as the new feed from Cedar Springs will support the existing customers, and a new station will need to be installed in 2025 to supply backfeed.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	735300	31335A GILBERT& YONGE DISTRIUCT (AURO	2028	$	170,836	Issue/Concern/Opportunity: (from Field) • Station raise req'd • Axial flow regs • Corrosion Assets: District Station 31335A	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733821	NBAY: New Liskeard TBS, Boiler Replacement	2029	$	170,737	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 385 CWT Heater installed in 2010 at this station are set to be replaced in 2029 (Heater to be 19 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 42701002- New Liskeard TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	747244	NE:45401065 Desbarat TBS Frost Heave	2026	$	170,077	Issue/Concern/Opportunity. - Frost Heave causing unknown amount of stress on pipe. Concerns for wall loss on risers in engineering model. At minimum an assessment of above and below ground pipe required to determine fitness for service. The cost of assessment and precautions needed approach a significant portion of simply replacing this station. New customer load from grain dryer downstream would increase flow through station and potentially exacerbate frost issues. As the assessment alternative also does not include any mitigation costs from any eventual conclusions; the preferred alternative is replacement Assets: 45401065 Desbarat TBS Related Investments:	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	101153	6B435A - CORKSTOWN & WESTDALE DISTRICT	2028	$	169,601	Issue/Concern/Opportunity: (from Field) 621 regulators Justification: 621 regulators Assets: District Station 6B435A	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	735164	6B631A MCCARTHY DR AND HUNT CLUB RD	2028	$	169,601	Issue/Concern/Opportunity: (from Field) Justification: Assets: District Station 6B631A	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	735165	6B602A STARTOP DISTRICT XHP	2028	$	169,601	Issue/Concern/Opportunity: (from Field) • Low in box - access issues Justification: Assets: District Station 6B602A	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	738891	A60: Campbell & McNabb District (61128A)	2026	$	169,298	Issue/Concern/Opportunity: (from field) The issue is station location, please look for safer option. Protection was stuck by small vehicle in 2020. Current location is low in ditch. Assets: District Station 61128A	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	733865	TBAY: Kenora TBS, Boiler Replacement	2028	$	167,899	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 385 CWT Heater installed in 2013 at this station are set to be replaced in 2028 (Heater to be 15 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 31201001 - Kenora TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
GTA West Area 50 EGD	50 - Barrie	Distribution Stations	Pass	746929	50024A - Barrie Gate Station - Boiler 3 Replacement	2025	$	167,645	Issues/Concerns: Barrie Gate Station - We have 3 Thermal Solutions EVS2000S boilers (2,000,000 BTU), we typically only run one at a time. We require heat on at this site during the summer months due to the high pressure cut, however since these boilers were installed they have experienced drastic short cycling during the summer months. For many years, we have had nothing but problems with boiler #3 and now the boiler HX tube/tubes are leaking and unrepairable. We would like to look at installing a smaller boiler to carry the load during the warmer season, to avoid a similar failure with boilers 1 and 2 due to short cycling. Controls: The boilers are currently running based on glycol header temperature giving us minimal control over the end process which is heating the gas. We consistently overshoot outlet target temps and see excessive run time on the boilers. We would like to look at the possibility of a PLC to operate the system off outlet gas temp, boiler staging and boiler 3 way valve control/exercising. This site has 3 separate outlets, Barrie , Borden and Owen sound, programming a selector to operate off the coldest outlet temp may be required. Resources: Company Crews, Contractor Labour and 3rd Party vendor suppliers Proiect Timing & Execution Risk: Would like to comolete before the warmer weather arrives in 2025	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	733763	SUD: Kelly Lake TBS, Boiler Replacement	2026	$	166,676	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 385 CWT Heater installed in 2009 at this station are set to be replaced in 2026 (Heater to be 17 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43202065 - Kelly Lake TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	736631	Centralia Station	2028	$	166,390	Issue/Concern/Opportunity: The station is scheduled for modifications/rebuild as part of the Asset Management Plan. An assessment of the station will be completed to verify the existing condition of the gas and glycol carrying pipe and components at the facility. This assessment will be used to validate whether the future planned work at the site will address any existing condition issues or whether the scope must be increased to remediate new issues found during the assessment. Any pressure vessels and tanks on the station site will be included in the assessment to ensure compliance with CSA Z662 and API requirements, verifying that they remain fit for continued service. Piping covered by insulation will have the insulation removed for assessment, or a technology not requiring insulation removal will be used to verify condition of insulated piping. Below grade piping will be assessed using a combination of direct and indirect inspection technologies. All exposed above grade piping will be visually assessed and non-destructive examination performed as deemed necessary by the visual inspection. Justification: Assets: Station ID: 17M-601 Related Investments:	Fail	See investment description, IRPAs not applicable

Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	101151	6B758A - EAGLESON & HAZELDEAN DISTRICT	2029	$	164,351	Issue/Concern/Opportunity: (from Field) Outlet valve issues Justification: Outlet valve issues Assets: District Station 6B758A	Fail	See investment description, IRPAs not applicable	
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	101152	6B562A - CAMPEAU & TERON DISTRICT HP (O.P.P.)	2029	$	164,351	Issue/Concern/Opportunity: (from Field) Inlet valve issues Justification: Inlet valve issues Assets: District Station 6B562A	Fail	See investment description, IRPAs not applicable	
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	733767	SUD: Maley Dr TBS, Boiler Replacement	2028	$	159,607	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 385 CWT Heater installed in 2010 at this station are set to be replaced in 2027 (Heater to be 17 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43202034 - Maley Dr TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable	
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	733773	TIMM: Cochrane TBS, Boiler Replacement	2028	$	159,607	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 385 CWT Heater installed in 2011 at this station are set to be replaced in 2027 (Heater to be 16 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 41601001 - Cochrane TBS Related Investments: N/A	Fail	See investment description, IRPAs not applicable	
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733760	NBAY: Sturgeon Falls TBS, Boiler Replacement	2026	$	158,739	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 385 CWT Heater installed in 2009 at this station are set to be replaced in 2025 (Heater to be 16 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43201014 - Sturgeon Falls TBS Related Investments: N/A	Fail	See investment description, IRPAs not applicable	
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	737311	NE: 43006032 - Customer SMS, Odourant Addition	2026	$	156,698	Issue/Concern/Opportunity: Add odourant to site as required. A 250 gallon sweep tank is estimated to be adequate. Justification: This will close compliance gaps which requires the customer to have odourized gas Assets: 43006032 - Atlantic Power Related Investments:	Fail	See investment description, IRPAs not applicable	
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	749727	King: 22-25-xxx 17900002 IKO CWT Replacement	2025	$	156,306	Issue/Concern/Opportunity: The Current CWT140 is leaking and cannot be fixed Justification: Customer Station Risk of freezing Assets:17900002 IKO Customer Station Related Investments:N/A	Fail	See investment description, IRPAs not applicable	
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734753	King: 7th and Brookdale Mall (Cornwall)	2028	$	155,462	Station Rebuild -Corrosion risers - rebuild	Fail	See investment description, IRPAs not applicable	
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	501440	A10: Denison Ave, Toronto, Pressure Elevation	2028	$	152,027	Issue/Concern/Opportunity: We are tying to get rid of our LP systems altogether based on the Columbia Gas incident in 2018. Project involves pressure elevation to IP network Justification: Assets: Denison Ave and Grange Ave LP District Station 3362016 Related Investments:	Fail	See investment description, IRPAs not applicable	
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	739691	Header Stations Rebuilds Area 30	2025	$	151,120	Header Stations are the pressure regulating point at the transition from the distribution system to private property. Failure causing over-pressure could unintentionally introduce high pressure gas into the customers' property. Leak or loss of containment at a header station can lead to an explosion or fire. The Header Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-standard configuration: Configuration that doesn't meet current engineering standards which are based upon safe and reliable operation. A single run station would be an example of a non-standard configuration. Boot-style regulators: Stations with both operator and monitor boot-style regulators have a single common failure mechanism resulting from debris in the gas stream. Replacement of one boot style regulators with a non-boot style regulator reduces the vulnerability of failure of both the operator and the monitor regulator from a single failure mechanism. Unsafe installation locations: Header stations may also be included in the replacement program because their location is out of compliance with spacing requirements, such as distance from building openings or conflicts of the electrical hazardous area classification. Replacement may also be triggered because the station location is susceptible to damage from its environment, such as falling debris or traffic. Poorly performing components: If a particular header station has required significant maintenance work, it would be included in the rebuild program. Poor condition: A station may have significant deterioration of the assets that would require replacement. This would include significant pitting from corrosion, inability for a relief valve to reset, or a regulator to not hold set point despite a complete service. Obsolete Regulators: The critesia for this category is that there are no spare parts available, they are no longer approved for use on new installations or a combination poor performance and manufacturer availability. When an obsolete regulator fails, it cannot be easily replaced and a disruption in service to the customer may result. Increased Capacity: Stations that are operating over designed capacity due to increased customer load are targeted for replacement to maintain gas supply. The Header Station Rebuild Program mitigates the risks associated with poorly performing stations, as the potential failure of a header station may carry substantial risks. A single header station may service hundreds of customer and the consequence of a station failure can be significant. Stations are evaluated to validate downstream customer impacts, asset condition, and workers' health and safety to ensure maximum risk reduction and benefit for each replacement.	Fail	See investment description, IRPAs not applicable	
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	101146	6B621A - BANTREE & EDINBURGH DISTRICT	2026	$	150,521	Issue/Concern/Opportunity: (from Field) Low in box, 621s Justification: Low in box, 621s Assets: District Station 6B621A	Fail	See investment description, IRPAs not applicable	
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734764	King: Customer - Cornwall (2-95-01-055)	2025	$	149,962	Station Rebuild - Customer changed, outlet siezed, no test points, cant do lock up, iso valve in road	Fail	See investment description, IRPAs not applicable	
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	742847	NE: Ravensglen TBS modifications	2025	$	149,962	Issue/Concern/Opportunity: Bypass needs to be overhauled as Enbridge valve nest was not maintained near TCPL takeoff. No lock up, telemetry is all analog, pillars are still in station from old building, bypass reg needs replacing, exposed wiring to transmitters needs replacement, Filter and turbine lack proper bypass, homemade RTU building. Assets: Station 43901001 Related Investments: Not applicable.	Fail	See investment description, IRPAs not applicable	
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	736635	South Porcupine\Crawford TBS	2028	$	148,344	Issue/Concern/Opportunity: The station is scheduled for modifications/rebuild as part of the Asset Management Plan. An assessment of the station will be completed to verify the existing condition of the gas and glycol carrying pipe and components at the facility. This assessment will be used to validate whether the future planned work at the site will address any existing condition issues or whether the scope must be increased to remediate new issues found during the assessment. Any pressure vessels and tanks on the station site will be included in the assessment to ensure compliance with CSA Z662 and API requirements, verifying that they remain fit for continued service. Piping covered by insulation will have the insulation removed for assessment, or a technology not requiring insulation removal will be used to verify condition of insulated piping. Below grade piping will be assessed using a combination of direct and indirect inspection technologies. All exposed above grade piping will be visually assessed and non-destructive examination performed as deemed necessary by the visual inspection. Justification: Assets: Station ID: 41902029 Related Investments:	Fail	See investment description, IRPAs not applicable	
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733761	NBAY: Englehart TBS, Boiler Replacement	2025	$	145,098	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 385 CWT Heater installed in 2009 at this station are set to be replaced in 2025 (Heater to be 16 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 42601002 - Englehart TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable	
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	18906	KING ST E/OLD KING RD DISTRICT (BOLTON)	2027	$	144,889	Issue/Concern: Net Ops Score: 3 BOOT ABOVE GROUND FENCE AGE: 21.5 Customer Count: 9081 Utilization: 0.04988759 Axial flow - old station # of Regs/Avg Size: 4 / 0in Submitted by: Randy R. Assets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable	
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	735305	20003A FARMERS LANE DISTRICT- N/W COR KING RD	2026	$	144,889	Issue/Concern/Opportunity: (from Field) Corrosion Justification: Corrosion Assets: District Station 20003A	Fail	See investment description, IRPAs not applicable	
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	733754	SUD: Frood TBS, Boiler Replacement	2026	$	143,999	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 385 CWT Heater installed in 2007 at this station are set to be replaced in 2023 (Heater to be 16 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43202039 - Frood TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable	
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	18844	SHEPPARD AVE E & GRAND MARSHALL DISTRICT	2028	$	142,369	Issue/Concern: BOOT ABOVE GROUND AGE: 28.2 Customer Count: 724 Utilization: 0.01497934 old 1/2" control lines, deep box although classified as above ground. # of Regs/Avg Size: 4 / 0in - Visible corrosion - Axial flow regs that are labour intensive to maintain/repari - Form asks for rebuild, however given that the rest of station in good condition. just retrofit regs and paint station Assets: Related Proram (if applicable): N/A	Fail	See investment description, IRPAs not applicable	
GTA East Area 40 EGD	40 - Whitby	Distribution Stations	Pass	746819	Dale Gate Station - Heat Exchanger Pipeline Supports	2025	$	141,241	Issue/Concern/Opportunity: The Dale Gate Station Heat Exchanger Pipe requires support improvements; they are currently supported by wood cribbing. Justification: Heat Exchanger Pipe supports do not confirm to current EGI Stations Engineering design standards. Assets: Related Investments:	Fail	See investment description, IRPAs not applicable	
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734760	King: GT Machine SMS	2028	$	139,916	Station Rebuild -Egonomic and OS	Fail	See investment description, IRPAs not applicable	

GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	741383	Natural Gas Bleed Re-injection Victoria Square	2025	$	139,704	Issue/Concern/Opportunity: Install equipment to recapture actuator bleed gas at Victoria Square, and use it to power the boilers, instead of venting the gas to the atmosphere. Justification: Part our strategy to reduce vented emissions. The purpose of this investment is to burn the gas that is continuously vented from gas analyzers during sampling, so it is released into the environment as CO2 instead of CH4. This reduces the carbon equivalency of the venting by about an order of magnitude. We are being mandated by the OEB to move forward with a plan to reduce these types of emissions. This investment will help us get there. Assets: Gate station piping Related Investments: none	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	736634	Airport TBS	2028	$	138,874	Issue/Concern/Opportunity: The station is scheduled for modifications/rebuild as part of the Asset Management Plan. An assessment of the station will be completed to verify the existing condition of the gas and glycol carrying pipe and components at the facility. This assessment will be used to validate whether the future planned work at the site will address any existing condition issues or whether the scope must be increased to remediate new issues found during the assessment. Any pressure vessels and tanks on the station site will be included in the assessment to ensure compliance with CSA Z662 and API requirements, verifying that they remain fit for continued service. Piping covered by insulation will have the insulation removed for assessment, or a technology not requiring insulation removal will be used to verify condition of insulated piping. Below grade piping will be assessed using a combination of direct and indirect inspection technologies. All exposed above grade piping will be visually assessed and non-destructive examination performed as deemed necessary by the visual inspection. Justification: Assets: Station ID: 41902029 Related Investments:	Fail	See investment description, IRPAs not applicable
GTA West Area 50 EGD	50 - Barrie	Distribution Stations	Pass	735306	3616540 Sideroad 10 and Treetop	2026	$	138,517	Issue/Concern/Opportunity: (from Field) • Station needs adjustment • as per email from Pete McArthur on Sept 27, 2023 - Box not sitting on frame due to heaving. Photo shows station is on a pretty sever angle • as per email from Randy Rubletz on Sept 27, 2023 - does not require a rebuild, it needs to be dug up and levelled as it is heaving and twisting Assets: District Station 3616540	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	502505	WATE: Waterloo/Brantford IRR Program	2026	$	137,897	Issue/Concern/Opportunity: Review of Inside Regulator Rooms (IRR) in the LUG system and remediation as required Justification: We no longer allow IRRs as part of our standard designs as they pose various operational risks. Assets: Assets span the entire LUG system, review was done for all areas Related Investments:	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	735785	TBAY: Mowat TBS/Kraft SMS Boiler Replacement	2028	$	136,946	Issue/Concern/Opportunity: CWT. Kraft Mill closed - station heater requires downsize? Size 140 Justification: The mill closed, and there is less demand on this system. Assets: 31002019 and 31002020 Related Investments: 502824 - Kraft SMS abandonment - complete abandonment and boiler replacement together.	Fail	See investment description, IRPAs not applicable
Head Office/All	00 - Head Office	Distribution Stations	Pass	2368	Natural Gas Vehicle Refueling Appliances	2025	$	135,396	Issue/concern: Individual customers and arenas can achieve fuel cost savings, fuel handling savings, and reduced emission benefits by operating their cleaning machines, forklift trucks, and individual light-duty vehicles on natural gas versus propane or gasoline. This presents an opportunity to grow EGI's natural gas vehicle (NGV) rental refueling business and promotes the use of natural gas to customers as an alternate source for fueling cleaning machines, forklift trucks, and individual light-duty vehicles at a lower cost, reducing fuel handling cost with lower emissions. By providing NGV Vehicle Refueling Appliance (VRA) equipment to customers on a rental basis, EGI can achieve growth in the marketplace, while fully recovering costs. Assets: There are currently over 200 VRA customers that EGI is successfully servicing, including City of Toronto, City of Ottawa, other small city arenas and some private customers. Related Program (if applicable): Not applicable.	Fail	See investment description, IRPAs not applicable
GTA West Area 50 EGD	50 - Barrie	Distribution Stations	Pass	18831	COUNTY RD # 5 & DENBOER DISTRICT (EVERETT)	2028	$	130,095	Issue/Concern: Net Ops Score: 4 SPRING ABOVE GROUND BOX AGE: 21.2 Customer Count: 604 Utilization: 0.1348862 Valves freeze in winter due to water level # of Regs/Avg Size: 4 / 0in Submitted by: Randy R. Assets: Related Program (if applicable).	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	18848	WILLIAM & HWY # 29 DISTRICT (CARLETON PLACE)	2028	$	130,095	Issue/Concern: Net Ops Score: BOOT ABOVE GROUND BOX AGE: 22.5 Customer Count: 4069 Utilization: 0.1386548 All regs tied into same sense lines. Rebuild in place # of Regs/Avg Size: 4 / 0in Submitted by: Assets: Related Program (if applicable).	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	18908	CAMILLA & QUEENSWAY DISTRICT	2028	$	130,095	Issue/Concern: Net Ops Score: 5 BOOT ABOVE GROUND BOX AGE: 21.9 Customer Count: 199245 Utilization: 0.2313598 Old Station # of Regs/Avg Size: 4 / 0in Submitted by: Joe C. Assets: Related Program (if applicable).	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	18919	STEELE & SUGARLOAF DISTRICT LP	2028	$	130,095	Issue/Concern: Net Ops Score: 5 SPRING ABOVE GROUND AGE: 47.1 Customer Count: 51 Utilization: 0.07713193 # of Regs/Avg Size: 1 / 0in Submitted by: Assets: Related Program (if applicable).	Fail	See investment description, IRPAs not applicable
Gazifere Area 90 EGD	90 - Gazifere	Distribution Stations	Pass	18947	ANGERS DISTRICT STATION	2028	$	130,095	Issue/Concern: Net Ops Score: 3 Rebuild new or rasie location Will need to check with Gazifere for budget BOOT ABOVE GROUND BOX Single Source AGE: 20.3 Customer Count: 259 Utilization: 0.005217719 Station and box are too low # of Regs/Avg Size: 4 / 0in Submitted by: Assets: Related Program (if applicable).	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	18956	RUTHERFORD COURT & PENFIELD DISTRICT	2028	$	130,095	Issue/Concern: Net Ops Score: 3 Replace in same location SPRING ABOVE GROUND BOX Single Source AGE: Customer Count: 409 Utilization: 0.2063028 # of Regs/Avg Size: 2 / 0in Submitted by: Assets: Related Program (if applicable).	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	501094	BAYVIEW FEEDER FIMP	2026	$	129,305	Issue/Concern/Opportunity: The station is scheduled for modifications/rebuild as part of the Asset Management Plan. An assessment of the station will be completed to verify the existing condition of the gas and glycol carrying pipe and components at the facility. This assessment will be used to validate whether the future planned work at the site will address any existing condition issues or whether the scope must be increased to remediate new issues found during the assessment. Any pressure vessels and tanks on the station site will be included in the assessment to ensure compliance with CSA Z662 and API requirements, verifying that they remain fit for continued service. Piping covered by insulation will have the insulation removed for assessment, or a technology not requiring insulation removal will be used to verify condition of insulated piping. Below grade piping will be assessed using a combination of direct and indirect inspection technologies. All exposed above grade piping will be visually assessed and non-destructive examination performed as deemed necessary by the visual inspection. Justification: Assets: Station ID: 10495A Related Investments:	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	743866	CRH - Canada Group - RTU Upgrade	2025	$	126,103	Issue/Concern/Opportunity: Current equipment located at this station is outdated and not suitable for remote monitoring from Enbridge Gas Inc. SCADA System. Justification: System Upgrade to current standards Assets: Telemetry - RTU System Related Investments: Budget covered under LUG - 101339 SCADA Enhancements 2021	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	18820	CREDITVIEW & BRITANNIA DISTRICT	2026	$	125,629	Issue/Concern: Net Ops Score: 4 BOOT ABOVE GROUND FENCE AGE: 30 Customer Count: 199245 Utilization: 0.08528284 Axial Flow - in for rebuild before # of Regs/Avg Size: 4 / 0in Submitted by: Dave S. Assets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	18895	HWY 9/SECOND LINE RD. DISTRICT	2027	$	125,629	Issue/Concern: Net Ops Score: 4 SPRING ABOVE GROUND Single Source AGE: 21.2 Customer Count: 18 Utilization: 0.1047102 Kerotest valves - no box # of Regs/Avg Size: 6 / 0in Submitted by: Randy R. Assets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	18917	A80: Townline Rd, Welland, Station Replacement	2029	$	125,629	Issue/Concern: SPRING ABOVE GROUND Single Source AGE: 44.7 Customer Count: 1 Utilization: 0.002358701 # of Regs/Avg Size: 1 / 0in Assets: Related Program (if applicable): N/A	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	18850	GRASSYBROOK & MCKENNY DISTRICT	2029	$	125,463	Issue/Concern: SPRING ABOVE GROUND Single Source AGE: 39.3 Customer Count: 9 Utilization: 0.01087698 # of Regs/Avg Size: 2 / 0in Assets: Related Program (if applicable): N/A	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	742653	NE: Thessalon TBS Modifications	2028	$	124,369	Issue/Concern/Opportunity: Both regulator runs needed to maintain pressure for 6 months of year, no standby available. ERX/Catalytic heater needed for capacity increase. Justification: Without standby run, town of Thessalon could be lost if either run is down. Assets: Station 45401089 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	101149	6B796A - WOODROFFE & EARL MULLIGAN DISTRICT	2025	$	123,618	Issue/Concern/Opportunity: (from Field) Outlet valve issues Justification: Outlet valve issues Assets: District Station 6B796A	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	735797	King: Mc Pherson Drive PRS (Napanee) Frost Heave Rebuild	2028	$	121,260	Station is twisted and torqued due to differential settlement and frost heaving Station is located at entrance to commercial strip mall and is actually located within Jim Kimmett sideroad right of way.	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	23767	CASSELMAN & MARTIN DISTRICT	2025	$	121,070	Issue/Concern: Frost, close to road, space in box Site very close to main road. Gets covered in snow from snow plowing. Difficulty operating inlet valves due to configuration and small enclosure. Severe frosting on operating run due to XHP to IP cut on 1" piping Assets: SPRING ABOVE GROUND Single Source AGE: Install date unknown Customer Count: 67 Utilization: 0.05	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	735183	2936745 MARKHAM & VERNE DISTRICT	2028	$	119,835	Issue/Concern/Opportunity: (from Field) • Below ground box Assets: District Station 2936745	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	21612	Communication Support/Maintenance/Compliance	2025	$	119,746	Issue/Concern: Assets: Related Program (if applicable): • In the event of a potential station incident, repeater sites located at gate stations could be affected resulting in a widespread communication outage. • Existing radio link levels are marginal. FY20: Include work for radio support and ensure tower and equipment are in compliance FY21: Radio support and ensure tower and equipment are in compliance,	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	747438	NE: 43202039 Frood TBS Thermowell transmitter	2026	$	115,889	Issue/Concern/Opportunity: Frood TBS currently has no telemetry on outlet temperature, station has been flowing over the heating capacity and there is currently no way to tell if the heater is keeping up with the increasing loads. Station feeds large portion of Sudbury alongside Kelly Lake TBS which has less telemetry and heating equipment. Justification: Assets: 43202039	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	747371	Burks Falls TBS Permanant Heat Trace	2028	$	115,402	Issue/Concern/Opportunity. - Installation of heat trace with wiring completed from RTU hydro panel. Wind issues have previously caused issue with CWT boiler Justification: Assets: 44602002 Related Investments:	Fail	See investment description, IRPAs not applicable

Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	100912	WATE: 23Q-301 Harriston Gate Station, Harriston, Station Rebuild Obsolete heater and equipment(Capital Maintenance),	2031	$	115,355	Issue/Concern/Opportunity: This station site is at a lower elevation than the surrounding areas so water is pooling within the station. This has caused significant frost heave to the station. Additionally, the technician has limited access to the station and is required to travel down a large slope to access the station, with their vehicle parked on the side of the road above. Justification: The likelihood of a leak occuring due to the stress of the pipeline from frost heave increase each year as the heave gets worse. Assets: Harrison Gate Stn 23Q-301 2022 forecast spend for material purchasing only Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	735633	TBAY: Balsam St TBS Filter	2025	$	115,355	Issue/Concern/Opportunity: Needs to be fitted with a dry gas filter. Justification: There is currently no filter at this TBS station, leaving a large section of distribution pipe without adequate filtering. Assets: STN 30202005 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	748184	22-25-711 GIP / Tarmac SMS 2-78-01-027 Rebuild - Belleville	2025	$	115,355	Station out of compliance with internal standards. Several issues with ergonomics, including an out of date meter. Address: 6520 Hwy 62, Belleville GIS FID: 907011410 Maximo Location Premise ID: 14518384 Maximo Station Number: 20717488	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	749880	NE: stn ERX installs	2025	$	115,355	Issue/Concern/Opportunity. - Installation of ERX's at following sites 42801004 Cobalt TBS 44702003 Ecology Ctr 44702001 Rutherglen TBS 42901001 Silliles TBS 43006001 Thorne DRS 43201017 Warren TBS 44605001 Trout Creek 42801003 Haileybury TBS 43201014 Sturgeon Falls TBS 44701001 Mattawa TBS 43005001 Callander TBS 43903001 Novar TBS 44604001 Powassan 42905001 Temagami Ctr TBS 42904001 Temagami North TBS 43904001 Port Sydney TBS 43804001 Edgar TBS 43805001 Cumberland Bch TBS 45407090 Thessalon DRS 45401004 Blind River 45401005 Eliot Lake 45407090 MILLER ST DRS PARRY SOUND 43204069 Hwy 69 DRS 43202019 Barrydowne DRS 43202210 Manner DRS 43202073 Walden TBS	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733817	NBAY: Balls Dr TBS - Bracebridge, Boiler Replacement	2029	$	111,481	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: CWT 140 Heater installed in 2008 at this station are set to be replaced in 2029 (Heater to be 21 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43601001 - Balls Dr TBS - Bracebridge Related Investments: NA	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733820	NBAY: Ferguson Road, Boiler Replacement	2029	$	111,481	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 140 CWT Heater installed in 2008 at this station are set to be replaced in 2029 (Heater to be 21 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43702002- Ferguson Road Related Investments: NA	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733822	NBAY: Earlton TBS, Boiler Replacement	2029	$	111,481	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 140 CWT Heater installed in 2009 at this station are set to be replaced in 2029 (Heater to be 20 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 44001001- Earlton TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	733866	TBAY: McIrvine TBS, Boiler Replacement	2029	$	111,481	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 140 CWT Heater installed in 2009 at this station are set to be replaced in 2029 (Heater to be 20 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 31002017 - McIrvine TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	733867	TBAY: Ignace TBS, Boiler Replacement	2029	$	111,481	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 140 CWT Heater installed in 2009 at this station are set to be replaced in 2029 (Heater to be 20 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 30103001 - Ignace TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
Northeastern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	733868	TIMM: Schumacher TBS, Boiler Replacement	2029	$	111,481	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 140 CWT Heater installed in 2009 at this station are set to be replaced in 2029 (Heater to be 20 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 41902031 - Schumacher TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733795	NBAY: Widdifield TBS, Boiler Replacement	2028	$	109,860	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 140 CWT Heater installed in 2008 at this station are set to be replaced in 2028 (Heater to be 20 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43002001 - Widdifield TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733796	NBAY: Mattawa TBS, Boiler Replacement	2028	$	109,860	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 140 CWT Heater installed in 2008 at this station are set to be replaced in 2028 (Heater to be 20 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 44701001 - Mattawa TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	733797	NBAY: South River TBS, Boiler Replacement	2028	$	109,860	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 140 CWT Heater installed in 2008 at this station are set to be replaced in 2028 (Heater to be 20 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 44601001 - South River TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	733813	SUD: Coniston TBS, Boiler Replacement	2028	$	109,860	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 140 CWT Heater installed in 2008 at this station are set to be replaced in 2028 (Heater to be 20 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43201029 - Coniston TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	733814	SUD: Walden TBS, Boiler Replacement	2028	$	109,860	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 140 CWT Heater installed in 2008 at this station are set to be replaced in 2028 (Heater to be 20 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 43202073 - Walden TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable

Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	733864	TIMM: Matheson TBS, Boiler Replacement	2028	$	109,860	Station contains boiler that is due for replacement and was called out in the Boiler Replacement Plan. Issue/Concern/Opportunity: 140 CWT Heater installed in 2008 at this station are set to be replaced in 2028 (Heater to be 20 years old at time of replacement). Heater will have met the replacement criteria at this time. Justification: Replacing heater will mitigate operational concerns at station in the future and will ensure that the required capacity to the downstream system is met. Assets: 42301002 - Matheson TBS Related Investments: NA	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	749255	Purchase and installation of ZEVAC D3 recompression unit (2)	2025	$	107,772	Issue/Concern/Opportunity: This investment is to purcahse and install a ZEVAC D3 closed vent system on constant bleed actuators at Coniston gate station. The gate station currently has constant bleed actuators that vent natural gas to atmosphere continually. The system will allow the vented gas to be saved, and compressed back into the network. Justification: Part our strategy to reduce vented emissions. The purpose of this investment is to burn the gas that is continuously vented from gas analyzers during sampling, so it is released into the environment as CO2 instead of CH4. This reduces the carbon equivalency of the venting by about an order of magnitude. We are being mandated by the OEB to move forward with a plan to reduce these types of emissions. This investment will help us get there. Assets: N/A Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	733503	NPS 30 Eglington Valve Actuation	2028	$	107,444	'- Install actuation on the Eglinton valve (on the NPS 30 Don Valley line). A power source and RTU will also be required. Consider a building over the valve and RTU, solar panels instead of electricity service. - The valve actuation would enable Gas Control to shut the valve down quickly in the case of a catastrophic incident in a location where it may be very difficult to get Operations staff to site.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	7753	NOBLETON GATE	2028	$	107,444	Issue/Concern: Nobleton Gate Station is located on a fenced, EGI-owned property of approximately 1,000 m2 in the City of Vaughan, Ontario, approximately 3 km from the Town of Nobleton, within a rural area. This station accepts natural gas from TC Energy and provides supply to an XHP network, with a Measurement system, Pressure Control system, Heating system, Odourant system, and a Telemetry and Controls system. This station supplies natural gas to approximately 1,800 customers in the Bolton and King City areas. The following issues have been identified at this station: Recommendations from Stations Engineering for this site and project are as follows: 1.Continue to operate the existing Nobleton Gate station without major upgrades to the Odourant injection system, heating system or electrical system. 2.If the reliability of the heating system becomes a consistent issue, notify stations engineering. 3.Ensure the sections of the boiler building affected by hazardous areas are sealed and vapour-tight according to the requirements in the Hazardous Area Classification Standard (sharepoint.com). Fuel gas meter set clearances can be verified against installation standards. 4.Consider replacement of existing turbine meter if it continues to cause problems. Engage stations engineering / measurement engineering for suitable alternatives – potentially a Coriolis or turbine with upstream filter.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	735184	3167839 ALTON TOWERS & MCCOWAN DISTRICT	2025	$	106,950	Issue/Concern/Opportunity: (from Field) • Below ground box Assets: District Station 3167839	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	502879	EAGLESON & EMERALD MEADOWS DISTRICT	2025	$	106,949	Issue/Concern/Opportunity: Poor general condition Justification: Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Stations	Pass	743024	CHAT: 06F-401 Tilbury North Gate - Heater Replacement	2031	$	104,702	Issue/Concern/Opportunity: Integrity assessment recommends heater replacement Justification: Heater replacement. If project is deferred let FIMP know as heater inspection may be required. Heater to be replaced - NATCO HEATER - glycol conerns (tank) est EOL 2018 Inspection 2028 age 35 years Assets: 06F-401 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	733451	Station B Actuated Valve and Upgrades	2026	$	104,118	Install actuation on the inlet valve to Station B Feeder. Tie into the RTU so that Gas Control has the ability to shut the valve in the case of an emergency. - Install a Kicker station from the NPS 20 Lakeshore (175 PSI) line to the NPS 24 (120 PSI) East York system. This station would begin feeding the NPS 24 if the actuated inlet valve to Station B is closed. - Install a second isolation valve between the NPS 30 inlet to Station B (485 MOP) and the NPS 24 (120 PSI) network to eliminate this single valve isolation of two MOPs. - The valve actuation would enable Gas Control to shut the valve down quickly in the case of a catastrophic incident (ie. San Bruno) in a location where it may be very difficult to get Operations staff to site.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	733506	Buttonville Interconnect	2026	$	104,118	'- Install valving to create an interconnect between the NPS 30 and NPS 36 in the Buttonville area. - Actuate valves on the interconnect, NPS 30, NPS 36. A power source and RTU will also be required. - The valve actuation would enable Gas Control to shut the valve down quickly in the case of a catastrophic incident in a location where it may be very difficult to get Operations staff to site. The actuation would also allow Gas Control to quick open the interconnect for cases where there is an upset condition on another part of the system.	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	742022	NE: 1165 Bethune Gravenhurst Stn rebuild	2026	$	102,046	Issue/Concern/Opportunity: Currently running HP 500 psi service to customer building. Opportinuty to help TCS growth project on Winhara road by providing PRS to run plastic. Justification: Safety concern with HP delivery at building, synergy with growth project. Assets: Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	735051	HAMI: 16X-346I: Customer Station, Station Rebuild	2027	$	100,434	The station has obsolete equipment which needs to be changed to match the current station standards, as the regulators currently installed have no replacement parts. The plan is to rebuild this station and replace it with a PFM station, which is to be carried out by our commercial crew.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	735236	2026Turbine Meter Automatic Oilers Upgrade	2026	$	99,899	This portfolio includes low-budget, small-scale capital projects to sustain and enhance operational support. These projects include Auto-Oilers, Turbo Correctors (TOC), lab upgrades, technician tools, industrial billing modems upgrades, billing communication modem lifecycle, and measurement replacement at low flow odourant sites. The benefit of these projects will be smooth and reliable operation.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	102738	2025 Turbine Meter Automatic Oilers Upgrade	2025	$	99,641	This portfolio includes low-budget, small-scale capital projects to sustain and enhance operational support. These projects include Auto-Oilers, Turbo Correctors (TOC), lab upgrades, technician tools, industrial billing modems upgrades, billing communication modem lifecycle, and measurement replacement at low flow odourant sites. The benefit of these projects will be smooth and reliable operation.	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	739736	WATE: 30U-201 Osler Bluffs Gate Station Regulator Replacement	2024	$	97,187	'-Station security lighting inadequate and need fixture replaced -Wood fencing at end of life and will require replacement in the near future -Old building for past communications no longer required -Vegetation overgrowth -Regulation required updating (in flight) -Wetland has encroached onto sight -Highly visible from main highway current condition poorly represents Enbridge -Station security (no perimeter fencing creation a compound)	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	502508	NW IRR Program	2025	$	95,928	Issue/Concern/Opportunity: Review of Inside Regulator Rooms (IRR) in the LUG system and remediation as required Justification: We no longer allow IRRs as part of our standard designs as they pose various operational risks. Assets: Assets span the entire LUG system, review was done for all areas Related Investments:	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	21610	ERX Related Materials + Activities	2025	$	95,797	Issue/Concern: Assets: Related Program (if applicable): Rogers is decommissioning their 2G network starting December 31, 2020. There are approximately 270 sites with 2G ERX modems that need to be upgraded within the gas distribution pressure monitoring system. FY20: Purchase spare control boards. (30 new ERX units were purchased in FY19, pending on installation in 2020.) FY21: Purchase 30 transducers, 100 MPC boards, some fuses, diodes, heat shrink tubing, etc.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	735170	33171A - MAJOR MACKENZIE & VELLORE WOODS DISTRICT (VAUGHAN)	2025	$	95,167	Issue/Concern/Opportunity: (from Field) water maker. Raise only if possible Justification: Assets: District Station 33171A	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	735238	2028 Turbine Meter Automatic Oilers Upgrade	2028	$	95,003	This portfolio includes low-budget, small-scale capital projects to sustain and enhance operational support. These projects include Auto-Oilers, Turbo Correctors (TOC), lab upgrades, technician tools, industrial billing modems upgrades, billing communication modem lifecycle, and measurement replacement at low flow odourant sites. The benefit of these projects will be smooth and reliable operation.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734759	King: Williamsburg (2-91-02-001)TBS Heater & Filter Install	2025	$	94,526	Freeze-off at the regulator is causing meter damage, resulting in multiple meter changes in the past. Line heater required (none there) - Single operator, no monitor 2024 - install catalytic heater only and reassess	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	735240	2029 Turbine Meter Automatic Oilers Upgrade	2029	$	93,904	This portfolio includes low-budget, small-scale capital projects to sustain and enhance operational support. These projects include Auto-Oilers, Turbo Correctors (TOC), lab upgrades, technician tools, industrial billing modems upgrades, billing communication modem lifecycle, and measurement replacement at low flow odourant sites. The benefit of these projects will be smooth and reliable operation.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	735237	2027 Turbine Meter Automatic Oilers Upgrade	2028	$	93,140	This portfolio includes low-budget, small-scale capital projects to sustain and enhance operational support. These projects include Auto-Oilers, Turbo Correctors (TOC), lab upgrades, technician tools, industrial billing modems upgrades, billing communication modem lifecycle, and measurement replacement at low flow odourant sites. The benefit of these projects will be smooth and reliable operation.	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	749234	WATE-Elmira Telemetry Install-Elmira	2025	$	92,284	Issue/Concern/Opportunity: Back in 2023 the heater was upgraded at this site. As part of those works Enbridge tried to install SCADA for measurement, pressure and temperature. Due to budget restrictions the Scada was never completed. All the hardware was roughed in in 2023 and is sitting there waiting to be connected to the RTU and programmed. With dollars in 2025 this work can be completed. Justification: There are three transmitter cabinets and an RTU sitting on site already just not connected. This is an easy project and if funding is available would be good to get this station on SCADA. Elmira is an area of large population growth and monitoring the flows and pressure here helps to plan reinforcement work to support the population growth. Assets: 20S-301 Elmira Gate Related Investments: This investment replaces 740426 which has been rejected. This is also a continuation of investment 503279 which was for the heater replacement.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	747064	Purchase of 3 Trace Erase units	2025	$	91,806	Issue/Concern/Opportunity: Install equipment to burn the gas being vented and gas analyzers/odourant pumps in three locations, to reduce their carbon footprint. Justification: Part our strategy to reduce vented emissions. The purpose of this investment is to burn the gas that is continuously vented from gas analyzers during sampling, so it is released into the environment as CO2 instead of CH4. This reduces the carbon equivalency of the venting by about an order of magnitude. We are being mandated by the OEB to move forward with a plan to reduce these types of emissions. This investment will help us get there. Assets: Gate station piping Related Investments: none	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	736615	Williamsburg TBS FIMP	2028	$	91,652	Justification: IMP inspection to assess station condition ahead of planned rebuild to support scoping activities Assets: Station ID: 29102001	Fail	See investment description, IRPAs not applicable

GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	749645	Bond Head Gate Reg Replacement	2025	$	90,787	Issue/Concern/Opportunity: To replace 399 Regulator head at Bond Head gate station, 399 to EZR Conversion Kits to be ordered, the body of regulators stay in place Justification: Assets: Related Investments:	Fail	See investment description, IRPAs not applicable	
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	502504	Windsor/Chatham IRR Program	2025	$	89,933	Issue/Concern/Opportunity: Review of Inside Regulator Rooms (IRR) in the LUG system and remediation as required Justification: We no longer allow IRRs as part of our standard designs as they pose various operational risks. Assets: Assets span the entire LUG system, review was done for all areas Related Investments:	Fail	See investment description, IRPAs not applicable	
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	101115	A80: 1826 MILLER RD DISTRICT STATION	2028	$	80,583	Issue/Concern/Opportunity: (from Field) Corrosion, Single run station - not able to check for lock up Justification: Corrosion, Single run station - not able to check for lock up Assets: District Station 3793754	Fail	See investment description, IRPAs not applicable	
GTA West Area 50 EGD	50 - Barrie	Distribution Stations	Pass	21104	Repeater Sites	2025	$	76,793	Balast mount on top of building FY21: Relocate repeater equipment per TSSA. Install UPSs at old repeater sites and complete antenna repair at Raglan.	Fail	See investment description, IRPAs not applicable	
Northeaste rn Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	747430	NE: 43201177 Sudbury Lateral Back up Generator	2025	$	73,799	Issue/Concern/Opportunity: Operational testing of control valves performed by Lakeside identified risk where vales would do not fail last creating a risk for exceeding safe working pressure. Proposed fix to modify controls and wiring that will guarantee fail last. Justification: Potential to not odourize gas and prevent a potential over pressure event if regulators fail last and not closed if power is lost. Assets: 43201001 Marten River CMS, 43201177, Sudbury Takeoff Related Investments:	Fail	See investment description, IRPAs not applicable	
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	48318	WIND-03D-310R - Mersea Rd 3 Distribution	2022	$	70,950	Issue/Concern: Leamington North Gate is an aging station with a slew of problems. This station is meant to take the IP cut out of Leamington North for a rebuild in 2022 Justification: Build an IP station on Mersea Rd 3 and tie back into the IP feed coming out of Leamington North (350m of 12" Steel) Assets: 03D-310R Mersea Rd 3 Distribution Related Programs: N/A	Fail	See investment description, IRPAs not applicable	
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	749577	SCHOMBERG GATE Reg Replacement	2025	$	68,394	Issue/Concern/Opportunity: To replace 399 Regulator head at Schomberg gate station, 399 to EZR Conversion Kits to be ordered, the body of regulators stay in place Justification: Assets: Related Investments:	Fail	See investment description, IRPAs not applicable	
Northeaste rn Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	738247	SSM: 45101001 Sault Primary Valve Replacement	2026	$	61,909	Issue/Concern/Opportunity: Valve replacement due to discontinued part, replacement requried to use equipment aligning with current company standards. Justification: Valve replacement will ensure that equipment aligns with current company standards and that valve will be operable in emergency situations. Assets: 45101001 Sault Primary Related Investments:	Fail	See investment description, IRPAs not applicable	
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	747679	LOND: 14N-302 Hensall Transmission Backup Generator Installation	2025	$	60,901	Installation of backup generator at Class A station to ensure reliability of SCADA and odourant systems during power interuptions.	Fail	See investment description, IRPAs not applicable	
GTA East Area 40 EGD	40 - Whitby	Distribution Stations	Pass	749612	Oshawa Gate ¾" Odourant Pump Upgrade	2025	$	59,969	Issue/Concern/Opportunity: With the growth in Oshawa over the last 10 years, the current winter load is outgrowing the current ½" Wilroy odourant pumps. Our EGI threshold is 3 seconds between strokes, and currently Oshawa on winter load is seeing approx. 9 seconds between stokes (via 2024 data from SCADA). With this excessive stoking, the pumps are prone to failure in the winter months resulting in spring changes. We are proposing to upgrade the ½" pump to a ¾" one to elevate pressure during the winter months and reduce stroke frequency. Capital needed would cover material costs, and labour would be done in-house by our station technicians. Justification: Assets: Related Investments:	Fail	See investment description, IRPAs not applicable	
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	502102	2021 Sales stations rebuilds Area 10	2025	$	59,859	Sales Stations are the final pressure control point prior to entering into a customer's building. Operational failure of a sales station such as loss of containment can lead to an explosion or fire. Some factors included in this risk category are damage to property, injuries to members of the public, and the cost to repair the damaged assets. Over-pressure at a sales station can lead to over-pressure in the customer piping system, causing potential leaks in the downstream system or inside customer premises. This could result in consequences of ignition within the customer's property. Under-pressure at a sales station can lead to loss of service for customers, which is particularly a problem if the gas is used for process, home heating, or for life safety generators. The Sales Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues Non-conforming installations: The design or configuration of some sales stations does not allow for required maintenance work (compliance work) to be completed without customer interruptions. Installation practices have evolved such that an older station may require a rebuild to ensure operational integrity. Design or configuration of a sales station may not allow for required maintenance work (compliance work) to be completed without customer interruptions. Obsolete parts: The failure of obsolete regulators would cause excessive delay to repair since parts are not readily available. This could lead to a disruption in service and may impact the safe and reliable delivery of natural gas to customers. Unsafe installation locations: Stations may be exposed to the elements, located in potentially hazardous locations, lack proper clearances and be susceptible to potential threats from third-party damages. Development and encroachment may also increase the risk of a sales station. Any of these issues could result in a rebuild. Integrity of a station: A station may be subject to corrosion and degrading paint and pipe coating due to age or environment may decrease the integrity of the piping and components. The effects of time and/or frost heaving can impact alignment that may cause a station to be rebuilt. Based on the historical replacement rate of the sales station population, and comparing to the condition assessment findings, it is expected that the replacement rate should increase as part of the Asset Plan. The Sales Station Rebuild Program will target approximately 100 stations per year to address the issues above.	Fail	See investment description, IRPAs not applicable	
GTA East Area 40 EGD	40 - Whitby	Distribution Stations	Pass	748285	Header Stations Rebuilds Area40	2025	$	58,878	Header Stations are the pressure regulating point at the transition from the distribution system to private property. Failure causing over-pressure could unintentionally introduce high pressure gas into the customers' property. Leak or loss of containment at a header station can lead to an explosion or fire. The Header Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-standard configuration: Configuration that doesn't meet current engineering standards which are based upon safe and reliable operation. A single run station would be an example of a non-standard configuration. Boot-style regulators: Stations with both operator and monitor boot-style regulators have a single common failure mechanism resulting from debris in the gas stream. Replacement of one boot style regulators with a non-boot style regulator reduces the vulnerability of failure of both the operator and the monitor regulator from a single failure mechanism. Unsafe installation locations: Header stations may also be included in the replacement program because their location is out of compliance with spacing requirements, such as distance from building openings or conflicts of the electrical hazardous area classification. Replacement may also be triggered because the station location is susceptible to damage from its environment, such as falling debris or traffic. Poorly performing components: If a particular header station has required significant maintenance work, it would be included in the rebuild program. Poor condition: A station may have significant deterioration of the assets that would require replacement. This would include significant pitting from corrosion, inability for a relief valve to reset, or a regulator to not hold set point despite a complete service. Obsolete Regulators: The criteria for this category is that there are no spare parts available, they are no longer approved for use on new installations or a combination poor performance and manufacturer availability. When an obsolete regulator fails, it cannot be easily replaced and a disruption in service to the customer may result. Increased Capacity: Stations that are operating over designed capacity due to increased customer load are targeted for replacement to maintain gas supply. The Header Station Rebuild Program mitigates the risks associated with poorly performing stations, as the potential failure of a header station may carry substantial risks. A single header station may service hundreds of customer and the consequence of a station failure can be significant. Stations are evaluated to validate downstream customer impacts, asset condition, and workers' health and safety to ensure maximum risk reduction and benefit for each replacement.	Fail	See investment description, IRPAs not applicable	
Northweste rn Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	100913	TIMM: 45-21-700 Harty TBS, Rebuild	2023	$	57,712	Issue/Concern/Opportunity: When removing insulation in 2019, it was discovered that there was significant corrosion and frost heaving. The majority of the station needs to be replaced, based on recommendation by the Integrity Group as corrosion is not limited to pipe, but also fittings which cannot be assessed and need to be replaced. The most likely risk is the increased risk of failure/leak (transmission pressure). The worst case scenario is injury/fatality due to catastrophic failure. Also, risk of shutdown during winter conditions, including customer loss, potential uncontrolled release, and/or brand/reputation risk. Please see the attached photos for further clarification. Assets: Station ID 41404001 Related Program: There are no related CS5 investments.	Fail	See investment description, IRPAs not applicable	
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	101348	WIND - 03D-306R Mersea Gosfield - Station rebuild with heater & filter	2025	$	57,678	Issue/Concern/Opportunity: 34% wall loss on HP riser due to corrosion; regulator freeze up Justification: Remove corrosion and regulator freeze up concerns with rebuild and heater addition Assets: 03D-306R Mersea Gosfield Related Investments: N/A	Fail	See investment description, IRPAs not applicable	
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	734772	King: Aragon PRS Hazardous Area Mitigation (Kingston)	2028	$	57,003	Hazardous Area Mitigation	Fail	See investment description, IRPAs not applicable	
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	746396	WIND: SMC - Hacienda (2961 Talbot Trail) Heater Addition	2024	$	56,216	Issue/Concern/Opportunity: Adding Heater Justification: Severe Freeze Off Assets: Related Investments: 48291 SMC Blanket	Fail	See investment description, IRPAs not applicable	
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	739690	Header Stations Rebuilds Area 20	2025	$	54,953	Header Stations are the pressure regulating point at the transition from the distribution system to private property. Failure causing over-pressure could unintentionally introduce high pressure gas into the customers' property. Leak or loss of containment at a header station can lead to an explosion or fire. The Header Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-standard configuration: Configuration that doesn't meet current engineering standards which are based upon safe and reliable operation. A single run station would be an example of a non-standard configuration. Boot-style regulators: Stations with both operator and monitor boot-style regulators have a single common failure mechanism resulting from debris in the gas stream. Replacement of one boot style regulators with a non-boot style regulator reduces the vulnerability of failure of both the operator and the monitor regulator from a single failure mechanism. Unsafe installation locations: Header stations may also be included in the replacement program because their location is out of compliance with spacing requirements, such as distance from building openings or conflicts of the electrical hazardous area classification. Replacement may also be triggered because the station location is susceptible to damage from its environment, such as falling debris or traffic. Poorly performing components: If a particular header station has required significant maintenance work, it would be included in the rebuild program. Poor condition: A station may have significant deterioration of the assets that would require replacement. This would include significant pitting from corrosion, inability for a relief valve to reset, or a regulator to not hold set point despite a complete service. Obsolete Regulators: The criteria for this category is that there are no spare parts available, they are no longer approved for use on new installations or a combination poor performance and manufacturer availability. When an obsolete regulator fails, it cannot be easily replaced and a disruption in service to the customer may result. Increased Capacity: Stations that are operating over designed capacity due to increased customer load are targeted for replacement to maintain gas supply. The Header Station Rebuild Program mitigates the risks associated with poorly performing stations, as the potential failure of a header station may carry substantial risks. A single header station may service hundreds of customer and the consequence of a station failure can be significant. Stations are evaluated to validate downstream customer impacts, asset condition, and workers' health and safety to ensure maximum risk reduction and benefit for each replacement	Fail	See investment description, IRPAs not applicable	
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	101229	Enbridge Yard CNG Station B	2025	$	54,267	"The Enbridge fleet continues to achieve fuel cost savings and reduced emission benefits by operating their light duty vehicles on natural gas versus gasoline. One of the stations where we currently operate a CNG fueling station is at the Enbridge Yard Station B located at 486 Eastern Avenue, Toronto. This site is undergoing a complete rebuild to accommodate a larger office and warehouse building. As part of this, the existing CNG station is to be removed in 2020 and reinstalled in 2021. The equipment to be reinstalled includes the Motor Control Centre, gas dryer, compressor and storage cylinders. It is proposed to replace the Gas Control Panel and the Dispenser with new units to be procured in 2021. The budget for 2020 will be comprised of the removal of the existing CNG station and completing the design of the new CNG station. In 2021 costs will include procuring equipment and construction of the new CNG facility. "	Fail	See investment description, IRPAs not applicable for CNG	
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	746635	NE: 1280001 MTO post reg rebuild	2025	$	54,032	Issue/Concern/Opportunity: Station has corrosion and frost heave issues, significant bending on riser. Justification: Station in remote area off 1000 psi Haileybury lateral, difficult to respond to if leak or damage Assets: 12800001 Related Investments: N/A	Fail	See investment description, IRPAs not applicable	

Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	735055	HALT: Customer, Maintenance	2028	$	51,821	station relieves when customer shuts down - possibly because of high pressure inlet (250kPa) and one cut down to (130kPa)	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	735049	HALT: EC Drury School,Rebuild	2028	$	51,821	Need token relief installon station, no reliief a this school.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	101197	KING: 22-22-701 Cobourg East TBS (27301068) Lineheater (StnBkt)	2024	$	50,660	Assets Details to be Replaced: 1. Boiler unit to be replaced with CWT Heater 770 2. Odourant tank and building to be replaced. 3. RTU/Telemetry Upgrades. 4. Replacement of first stage cut. 5. Installation of backup generator.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	748142	22-25-713 Cobourg East (Baltimore) TBS Fence Upgrades (StnBkt)	2025	$	50,660	Cobourg East TBS was rebuilt in 2022. However there are final fence upgrades needed. This work will outl down $'s from the station blanket.	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	735056	HAMI: 16X-349I, Saint Gobain Abrasives, Full Rebuild	2029	$	50,217	There are two stations at this location. Both 16X-349I and 16X-350I station numbers belong to Saint Gobain Abrasives and our current customer at the station is Bodyline Auto Recyclers. 16X-349I is no longer in use and has been closed off but the customer wants to keep the station in place just in case they require additional loads in the future. 16X-350I is still active and flowing. 16X-349I has obsolete equipment which needs to be changed to the current station standards, one of the regulator runs is currently not running and the regulators currently installed has no replacement parts. The plan is to rebuild this station and replace it with a PFM station, which is to be carried out by our commercial crew.	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass	735057	HALT: Customer Station 18Y-414I	2029	$	50,217	station oversized for 2M meter making inspection timely 7 valves are hard to turn. 18Y-414I	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	18835	FROBISHER & LASCELLES DISTRICT	2022	$	49,065	Issue/Concern: Net Ops Score: 3 BOOT BELOW GROUND BOX AGE: Customer Count: 187887 Utilization: 0.3073449 Hard to work on -6" 399, limited space to work on # of Regs/Avg Size: 4 / Din Submitted by: John C. - Below ground box but minor corrosion and no faults identified Assets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	744025	HAMI: Carlisle Gate, Boiler Replacement - Power Surge	2024	$	48,948	Issue/Concern/Opportunity: Due to an incident at Carlisle gate/Hamilton take-off late Jan. 2024, a power surge knocked out communication equipment and boiler systems serving the Carlisle gate station causing irreparable damage to the two older Viessmann boilers (20+ years old). Boilers were replaced at the beginning of this year. A backup generator needs to be installed to prevent a future power surge from knocking out communication equipment. This investment captures the addition of generator. Assets: Boilers, communication/electrical systems, Generator. Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	749176	A80: CROWLAND ELECTRICAL REPLACEMENT	2025	$	48,138	Issue/Concern/Opportunity: The electrical service at Crowland station has a junction in a flush with grade box and is required to be replaced following ESA inspection . Justification: Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	736625	Voortman Station	2028	$	46,775	Issue/Concern/Opportunity: The station is scheduled for modifications/rebuild as part of the Asset Management Plan. An assessment of the station will be completed to verify the existing condition of the gas and glycol carrying pipe and components at the facility. This assessment will be used to validate whether the future planned work at the site will address any existing condition issues or whether the scope must be increased to remediate new issues found during the assessment. Any pressure vessels and tanks on the station site will be included in the assessment to ensure compliance with CSA Z662 and API requirements, verifying that they remain fit for continued service. Piping covered by insulation will have the insulation removed for assessment, or a technology not requiring insulation removal will be used to verify condition of insulated piping. Below grade piping will be assessed using a combination of direct and indirect inspection technologies. All exposed above grade piping will be visually assessed and non-destructive examination performed as deemed necessary by the visual inspection. Justification: Assets: Station ID: 15W-371 Related Investments:	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	741982	NE: 4320317 - CRA Tax Centre Rebuild	2026	$	45,354	Issue/Concern/Opportunity: Undocumented customer loads exceeded stations capacity by 200m3/hr. Recurring leaks at multiple points. Station is currently situated on top of embankment within small fence area causing severe ergonomic issues, difficulty in tool usage. Justification: Station is over capacity, leaks and not upto company standards. Assets: Station 43203017 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	739696	Sales Stations Rebuilds Area 60	2025	$	44,159	Issue/Concern/Opportunity: Justification: Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	739694	Sales Stations Rebuilds Area 20	2025	$	40,233	Sales Stations are the final pressure control point prior to entering into a customer's building. Operational failure of a sales station such as loss of containment can lead to an explosion or fire. Some factors included in this risk category are damage to property, injuries to members of the public, and the cost to repair the damaged assets. Over-pressure at a sales station can lead to over-pressure in the customer piping system, causing potential leaks in the downstream system or inside customer premises. This could result in consequences of ignition within the customer's property. Under-pressure at a sales station can lead to loss of service for customers, which is particularly a problem if the gas is used for process, home heating, or for life safety generators. The Sales Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues Non-conforming installations: The design or configuration of some sales stations does not allow for required maintenance work (compliance work) to be completed without customer interruptions. Installation practices have evolved such that an older station may require a rebuild to ensure operational integrity. Design or configuration of a sales station may not allow for required maintenance work (compliance work) to be completed without customer interruptions. Obsolete parts: The failure of obsolete regulators would cause excessive delay to repair since parts are not readily available. This could lead to a disruption in service and may impact the safe and reliable delivery of natural gas to customers. Unsafe installation locations: Stations may be exposed to the elements, located in potentially hazardous locations, lack proper clearances and be susceptible to potential threats from third-party damages. Development and encroachment may also increase the risk of a sales station. Any of these issues could result in a rebuild. Integrity of a station: A station may be subject to corrosion and degrading paint and pipe coating due to age or environment may decrease the integrity of the piping and components. The effects of time and/or frost heaving can impact alignment that may cause a station to be rebuilt. Based on the historical replacement rate of the sales station population, and comparing to the condition assessment findings, it is expected that the replacement rate should increase as part of the Asset Plan. The Sales Station Rebuild Program will target approximately 100 stations per year to address the issues above.	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	749157	A80: VINELAND GATE DRAINAGE	2025	$	39,308	Issue/Concern/Opportunity: TREE REMOCAL TILE DRAIN AND FENCE SLAT INSTALLATION DUE TO FLOODING OF NEIGHBOURING PROPERTY Justification: Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
Northweste rn Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	738420	TBAY: 33-22-712 Anderson Greenwood, Relief Stack Support	2025	$	36,164	Issue/Concern/Opportunity: Reinforce the Anderson Relief stacks Justification: Unsupported relief stacks must be supported to be in compliance with the station audit Assets: Numerous stations across the Northwest* Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	736207	WIND: 05A-309R Lasalle Gate	2022	$	34,400	Issue/Concern/Opportunity: Noise complaints at neighboring house yielded an environmental study, which advised insulation is required. Justification: Installation of acoustic insulation on the above grade piping and regulators, as per acoustic assessment done in 2023. Assets: 05A-309R Related Investments: #48291 SMC Blanket	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	747638	NE: Chelmsford system filter installs	2026	$	34,015	Issue/Concern/Opportunity: Contamination in main downstream of Chelmsford TBS causing build up of fine particles at downstream stations without particulate filtration leading to reliefs activating. Assets: 44301030 Coleman Mine SMS 44301046 FNX Levack Mine Air Raise 14302001 King Packing Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	30515	Deseronto_28103002STN_Rebuild 22-25-704	2025	$	32,806	Modifications required at the station to achieve a future load of 2050 m3/h: increase the orifice sizes on both 2" 627H regulators from 6.4mm to 9.5mm, material # 801539. The current CWT-140 is sufficient for the current load but will need to be upsized to a CWT-385 for the future load.	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	749298	NE: 42801001 Haileybury Heat Trace	2025	$	31,831	Issue/Concern/Opportunity. The heat trace on the regulators will provide redundancy for remote station Justification: Assets: 42801001 Related Investments: 48577 - Station Blanket drawdown to fund cost	Fail	See investment description, IRPAs not applicable
Hamilton Area 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	749338	30 Vine St, Aluminum Enclosure Box	2025	$	30,905	Custom Aluminum Enclosure 90"L x 54"W x 35"H W/6 Base Sliders to be installed at station located on James St N and Vine St	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	742737	CHAT 06J-202 Harwich Transmission - Reg & Relief	2025	$	28,353	Issue/Concern/Opportunity: Carryover work from 2023, complete the job by replacing two (2) relief valves, two (2) regulators and two (2) filter ball valves. Condition of the equipment is either leaking badly or unable to operate. Justification: Station has expressed concern with the condition of the station. All material has already been purchased, just need the labour to complete the job. Work will be done by internal labour. Assets: 06J-202 Harwich Transmission located at 9327 Old St. Line, Blenheim. Related Investments: SMC Blanket #48291	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	749619	06B-404 Bruce Ave - Hydro Pole Replacement	2025	$	27,802	Enbridge Owned Pole is in poor condition., that requires replacement and updating the service Asset: 06B-404 Bruce Ave - Hydro Pole Replacement **This is related to the SMC Blanket - Investment #48291 **	Fail	See investment description, IRPAs not applicable
Northweste rn Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	502824	TBAY: Kraft SMS Retirement	2027	$	27,638	Issue/Concern/Opportunity: Retirement of the existing station assets (including heater) at the Kraft SMS, as a result of the demolition of the Fort Frances Mill. Justification: Station equipment and heater over-sized as a result of the removal of the Fort Frances Mill load. Assets: Kraft SMS (Station #31002020). Related Investments: complete with boiler change #735785	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	747569	NE: 43002001 Widdifield TBS Permanent Heat Trace	2028	$	26,878	Issue/Concern/Opportunity: Heat trace currently installed in temporary manner to prevent regulator freezing. Justification: Permanent heat tracing installation will improve reliability of station Assets: 43002001 Widdifield TBS Related Investments: N/A	Fail	See investment description, IRPAs not applicable

GTA East Area 40 EGD	40 - Whitby	Distribution Stations	Pass	7754	OSHAWA GATE	2031	$	26,861	Oshawa Gate Station is located on EGI-owned property of approximately 1000 m2 fenced compound in Oshawa, Ontario, approximately 2 km from town, within a rural/urban area, in close proximity to Taunton. This station accepts natural gas from TC Energy and provides supply to 1 XHP network, through components within the Measurement system, Pressure Control system , Heating system, Odourant system, and Telemetry system. This station supplies natural gas to approximately 190,000 customers in the Oshawa Region. The following issues have been identified at this station: Heating System: The existing boilers are undersized for current capacity. Measurement: The current system does not provide measurement of the individual outlet supplies. Visibility to each outlet supply provides greater redundancy to the existing measurement and improved response capabilities. Odourization: The Odourant system was installed in 2011. The current configuration of the Odourant system does not ensure adequate containment of the odourant product in the event of a leak and does not meet the current engineering standards and approvals. Telemetry & Electrical: The existing Electrical system does not meet current EGI electrical installation standards. This poses a potential electrical hazard and faulty wiring may result in lost communications.	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	102869	NE: 43201001 - Marten River CMS, Blow Down Tank	2025	$	26,566	Issue/Concern/Opportunity: Existing blow down tank at station requires replacement. Justification: Existing blow down tank is aging and is ineffective. Assets: Station 43201001 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	749859	NE: 45101001 SSM Primary Carbon Filter Replacement	2025	$	26,532	Issue/Concern/Opportunity. - Replace 3 carbon filters for bulk tanks at SSM primary Justification: Assets: 45101001 Related Investments: 48577 stn blanket	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	737988	22-25-706 Sonoco PRS Rebuild (2-76-01-085)	2025	$	26,119	Rebuild of PRS station due to corrosion on risers. Currently, station has a clamp on the corroded riser Plant - waiting to see if load changes before rebuilding	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	735187	14887A GLAMORGAN & KENNEDY DISTRICT	2024	$	25,679	Issue/Concern/Opportunity: (from Field) • Poor location • Corrosion. Assets: District Station 14887A	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	734188	COXWELL & EASTERN AVENUE DISTRICT STN EASEMENT	2025	$	25,488	Station 14086A(located at the corner of Eastern Ave. and Coxwell Ave on City of Toronto lands) - Since the installation of the station, there was a 5 year lease, which was renewed with the City 4 times. -In 2014, the City advised that they would no longer lease the lands to us, and we have to apply for a permanent easement. It has been in overhold status with the City since 2014, while we applied for an OPA to allow the City to grant us a permanent easement. The amendment was finalized in 2016, and they are now ready to move forward with granting us the easement.	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	733372	TBAY: Wright at O'Brien DRS Pipe Supports	2024	$	24,764	Issue/Concern/Opportunity: Station support work (pipe support installs). Assets: station 30703015 Related Investments:	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	735669	TBAY: 2022 Morecombe PRS (at Onion Lk) Rebuild	2026	$	24,763	Issue/Concern/Opportunity: Identified by Stations. Requires rebuild to facilitate inspection. Currently not configured to complete standard operating inspection. Justification: Now considered a station, and need to be brought up to inspection standards. Assets: STN 30200000. Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	502105	2021 Sales stations rebuilds Area 60	2023	$	24,042	Sales Stations are the final pressure control point prior to entering into a customer's building. Operational failure of a sales station such as loss of containment can lead to an explosion or fire. Some factors included in this risk category are damage to property, injuries to members of the public, and the cost to repair the damaged assets. Over-pressure at a sales station can lead to over-pressure in the customer piping system, causing potential leaks in the downstream system or inside customer premises. This could result in consequences of ignition within the customer's property. Under-pressure at a sales station can lead to loss of service for customers, which is particularly a problem if the gas is used for process, home heating, or for life safety generators. The Sales Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues Non-conforming installations: The design or configuration of some sales stations does not allow for required maintenance work (compliance work) to be completed without customer interruptions. Installation practices have evolved such that an older station may require a rebuild to ensure operational integrity. Design or configuration of a sales station may not allow for required maintenance work (compliance work) to be completed without customer interruptions. Obsolete parts: The failure of obsolete regulators would cause excessive delay to repair since parts are not readily available. This could lead to a disruption in service and may impact the safe and reliable delivery of natural gas to customers. Unsafe installation locations: Stations may be exposed to the elements, located in potentially hazardous locations, lack proper clearances and be susceptible to potential threats from third-party damages. Development and encroachment may also increase the risk of a sales station. Any of these issues could result in a rebuild. Integrity of a station: A station may be subject to corrosion and degrading paint and pipe coating due to age or environment may decrease the integrity of the piping and components. The effects of time and/or frost heaving can impact alignment that may cause a station to be rebuilt. Based on the historical replacement rate of the sales station population, and comparing to the condition assessment findings, it is expected that the replacement rate should increase as part of the Asset Plan. The Sales Station Rebuild Program will target approximately 100 stations per year to address the issues above.	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	749693	Additional Storage for Stn Ops at Brampton Depot	2027	$	23,949	The Station Operations storage room at the Brampton depot is over capacity once meters and instruments are received each year. The proposal is to add an outdoor storage container in the parking lot to free up floor space and allow meters and instruments to be stored properly (not stacked) and safely.	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	749861	NE: 4320205 Customer mine fence	2025	$	23,648	Issue/Concern/Opportunity. - Replace fence at station site, severely damaged Justification: Assets: 43202050 Related Investments: 48577 stn blanket	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	735255	BRAN: 13T-101 Norwich Trans Stn . FIMP	2025	$	23,071	FIMP inspected this station in 2024 and found damage to the filter separator. The head that is removed to access the filter element had gouges in it from using a wrench to unscrew it. The head has no handles for removal. As this is a pressure vessel, the depths of the gouges were found to be too severe to leave in service. FIMP recommends regional operations replace the filter asap. The plan to move forward is to order a 2" CFR ANSI 600 and install that in place of the existing filter. There is a filter bypass which will be utilized during the filter replacement. Operations will take on the replacement once a design is made.	Fail	See investment description, IRPAs not applicable
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Stations	Pass	735681	BRAN: 12S-101R Tillsonburg North Full Rebuild, Corroded Riser and Obsolete Fittings.	2023	$	23,071	Issue/Concern/Opportunity: riser on relief is heavily corroded and needs to be replaced. A repair was attempted by isolating the station at the inlet and outlet valves. This did not work when the outlet valve failed to create a workable seal. The Region is now proposing to do a full rebuild of this station in order to address the repair and replace all obsolete features of this station. The rebuild is not much more work than the repair would've been. There is plenty of land owned by Enbridge in this area. The existing station can continue to operate while the new one is built and brought online. Justification: Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Stations	Pass	743555	CHAT: 09F-501 Wallacebug Gate - Filter Replacement	2025	$	23,071	Issue/Concern/Opportunity: Stations have expressed concerns with the condition and layout of the existing vertical filter. A HAIB or ladder is required to perform maintenance on the equipment. Justification: Replacement of the existing filter with a 6" CFR filter, such that it can be maintained without aid. Assets: 09F-501 Wallaceburg Gate located at 90 Beattie Street in Wallaceburg. Related Investments: 48291 SMC Blanket.	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	749237	30U-205 Laneway Access Install	2025	$	23,071	Issue/Concern/Opportunity: There is no access to this distribution station. it sits 40m back in overgrown brush. maintenance and emergency access is not existent. The land is owned by the Town of Blue Mountain and the hope is that they will let us build a gravel lane back here. Justification: this will make it easier to access this station. This is a growing tourist area and Enbridge should better maintain this asset to ensure the integrity of the system. Assets: 30U-205 Related Investments;739737 will be rejected and this investment will be used instead	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	747010	NE: 43201030 Coniston PCS Filter Heat Trace	2026	$	22,677	Issue/Concern/Opportunity. Replacement of failing heat trace cabling at Coniston PCS filter, Assets: 43201030 Coniston PCS	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	48496	KING: 22-21-708 Cardinal TBS (28801001) Lineheater (StnBlkt)	2023	$	22,154	Replace existing Viesman heater with two CWT heaters	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	747714	22-25-709 Barriefield Industrial TBS Fencing (StnBlkt)	2025	$	21,951	Several upgrades have been made to this station however the fencing was never completed. This project will complete the fencing. NOTE: The spend for this work will pull down from the station blanket investment #48473. The blanket will be reduced by the forecasted spend.	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	49678	McCreedy West Stn., Sudbury	2027	$	21,526	Project Specific: General: The capital expenditure included in this category covers a variety of planned maintenance projects. The projects covered under this expenditure include low pressure system replacements, distribution pipeline replacements due to historical leakage and integrity concerns, pipeline casing replacements, bridge and water crossing replacements and repairs etc. These projects are often identified through planned inspections and pipeline surveys and would then be assessed and planned based on risk and resource availability.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	501280	A10: Cibola and Chippewa Toronto Islands, Replacement	2024	$	19,626	Issue/Concern/Opportunity: Eliminate the LP District Stn 15418A and move the customers onto a new IP main, replace with 580m of NPS 2 PE IP Justification: Replacement of old assets Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	747715	22-25-710 Cardinal TBS Fencing	2025	$	19,230	To complete some final fencing after a significant station upgrade project. NOTE: The station blanket will be reduced by the Forecasted spend.	Fail	See investment description, IRPAs not applicable
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Stations	Pass	748861	WIND: 03D-200 Kingsville East Gate (KEGS) – CWT Float Replacement	2025	$	19,150	Issue/Concern/Opportunity: Existing float controls have been an issue for the area stations. There has been a program to systematically change a couple a year until resolved. Justification: Replacement to vacuum style such that the heater can be used as intended. Assets: 03D-200 Related Investments: #48291 SMC Blanket	Fail	See investment description, IRPAs not applicable
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Stations	Pass	748866	WIND: 05F-402 Goodreau Line - CWT Float Replacement	2025	$	19,150	Issue/Concern/Opportunity: Existing float controls have been an issue for the area stations. There has been a program to systematically change a couple a year until resolved. Justification: Replacement to vacuum style such that the heater can be used as intended. Assets: 05F-402 Related Investments: #48291 SMC Blanket	Fail	See investment description, IRPAs not applicable

Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	749875	NE: 43602001 Muskoka Fall TBS Transmitter Cabinet	2025	$	18,457	Issue/Concern/Opportunity. - Analog transmitters at critical TBS, reliability issues Justification: Assets: 43602001 Related Investments: 48577 stn blanket	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	742656	NE: 43204069 Aolida DRS riser replacement	2026	$	18,142	Issue/Concern/Opportunity: Up to 50% wall loss recorded on risers. Justification: Risk of corrosion leak Assets: Station 43204069 Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	749240	TIMM: 45-25-700 Iroquois Falls TBS Boiler Replacement	2025	$	18,010	Station: Iroquois Falls TBS (41701002) Issue/Concern/Opportunity: Boiler at the TBS requires normal life-cycle replacement to maintain station performance. Work being completed by GT Plumbing and managed through Kleenway Services. The funds for this work will be drawn down from the NW Station Blanket (investment #48504).	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	1148	Bathurst Gate Boiler Replacement	2025	$	17,962	The current heating system consists of condensing boilers that have condensate which will require mitigation. A conversion to noncondensing boilers is required and during the conversion three-way valves and associated piping (6,000 by Stations Ops) will be added. The front gate experiences flooding and the grade by the gate needs to be raised because water pools at the main gate.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	8567	St. John's Sideroad Feeder Station Relocation	2024	$	17,962	Issue/Concern: The property on which St. John's Sideroad Feeder Station currently sits is insufficient for operation. It is located adjacent to a residential property and the area classification extends onto the adjacent private property. The Boiler building is located in a hazardous area classification and the non-compliance needs to be remedied. Road widening of St. John's Sideroad currently has the sidewalk encroaching on our station. A land sale agreement with York Region was completed in 2016 and requires movement of the electrical meter. As the area classification issue risks shutdown of the station by the Electrical Safety Authority, EGI is planning to resolve the movement of the electrical meter (on site) pending a new land purchase for relocation of the entire station. As a result of station relocation, a complete rebuild will be required. Maintenance on the Boiler system piping, pumps and gauges, which are old and obsolete, suggest that the Heating system needs to be replaced regardless of station relocation. The Heating system is already undersized for the current demand. The FL regulators are difficult to work on due to their weight and ergonomic restrictions in a cramped building. These are to be replaced and upgraded. The old Remote Terminal Unit (RTU) 3330 Telemetry system needs to be upgraded, including the backup power generator which is old and obsolete. The station was updated in 2006 and a new generator and boilers were installed in 2003. Source records do not indicate any regulator capacity issue. Asset: Stn ID: 2944180 Related Programs: Not applicable.	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	748464	22-25-712 Station Thermostat Element Replacement - Various Locations (StnBkt)	2025	$	17,904	Replacement of thermostats at the below stations:. This work to be funded by station blanket. 1.Port Hope TBS 2.Cobourg (West) TBS 3.St Hilarie DRS, Trenton 4.Essroc customer station, Picton 5.Corbyville TBS 6.Napanee TBS 7.Woodbine STN, Kingston 8.Cornwall East TBS - stl# 29501001 9.Morrisburg TBS - stl# 29101001 10.Iroquois TBS - stl# 28901001 11.Prescott TBS - stl# 28701001	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	735275	LOND: 16O-301 St. Mary's Gate	2024	$	17,793	Issue/Concern/Opportunity: Heater age (as per integrity) Justification: Replace heater Assets: 16O-301 St. Mary's Gate Related Investments: n/a Current heater in poor condition, and is single feed into the St Mary's System	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	749862	NE: 43802001 Bass Lake TBS Gate Replacement	2025	$	17,303	Issue/Concern/Opportunity. - Replace crash gate at Bass lake TBS Justification: Assets: 43802001 Related Investments: 48577 stn blanket	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	749868	NE: 14304005 Levack Mine Cell Modem	2025	$	17,303	Issue/Concern/Opportunity. - Add cell modem and antenna, land lines being retired Justification: Assets: 14304005 Levack mine Related Investments: 48577 stn blanket	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	747237	NE: 45101001 SSM Primary Bruest Replacement	2025	$	16,392	Issue/Concern/Opportunity. - 2 Bruest catalytic heaters at SSM Primary are now 30 years old and at end of life. A Like for like replacement is available. Justification: Heaters are used for the control valves providing regulation for the city of Sault Ste Marie and surrounding area, essential to GDS operations. Assets: 45101001 SSM Primary Cut Related Investments: 48577 - Station Blanket for drawdown offset	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	749873	NE: 43903001 Novar TBS catalytic heat replacement	2025	$	16,150	Issue/Concern/Opportunity. - Replace bruest catalytic heat at station, end of life reached on pads Justification: Assets: 43903001 Related Investments: 48577 stn blanket	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	738322	Walkley District Station - Boiler Replacement	2022	$	15,787	Like for like boiler replacement at Walkley District Station (62345A). Existing boilers are not holding pressure and require replacement.	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	102885	NE: 45401124 - Garden River TBS, Relief Replacement	2026	$	14,822	Issue/Concern/Opportunity: Station has outlet valves locked open and signs installed noting tech must be on site to operate. This is a result of the relief capacity at this station, relief requires replacement. Justification: Relief capacity at this station. Assets: Station 45401124 - Garden River TBS Related Investments: N/A	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	502150	2021 HEADER PROGRAM - GTA WEST	2025	$	14,720	Header Stations are the pressure regulating point at the transition from the distribution system to private property. Failure causing over-pressure could unintentionally introduce high pressure gas into the customers' property. Leak or loss of containment at a header station can lead to an explosion or fire. The Header Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-standard configuration: Configuration that doesn't meet current engineering standards which are based upon safe and reliable operation. A single run station would be an example of a non-standard configuration. Boot-style regulators: Stations with both operator and monitor boot-style regulators have a single common failure mechanism resulting from debris in the gas stream. Replacement of one boot style regulators with a non-boot style regulator reduces the vulnerability of failure of both the operator and the monitor regulator from a single failure mechanism. Unsafe installation locations: Header stations may also be included in the replacement program because their location is out of compliance with spacing requirements, such as distance from building openings or conflicts of the electrical hazardous area classification. Replacement may also be triggered because the station location is susceptible to damage from its environment, such as falling debris or traffic. Poorly performing components: If a particular header station has required significant maintenance work, it would be included in the rebuild program. Poor condition: A station may have significant deterioration of the assets that would require replacement. This would include significant pitting from corrosion, inability for a relief valve to reset, or a regulator to not hold set point despite a complete service. Obsolete Regulators: The criteria for this category is that there are no spare parts available, they are no longer approved for use on new installations or a combination poor performance and manufacturer availability. When an obsolete regulator fails, it cannot be easily replaced and a disruption in service to the customer may result. Increased Capacity: Stations that are operating over designed capacity due to increased customer load are targeted for replacement to maintain gas supply. The Header Station Rebuild Program mitigates the risks associated with poorly performing stations, as the potential failure of a header station may carry substantial risks. A single header station may service hundreds of customer and the consequence of a station failure can be significant. Stations are evaluated to validate downstream customer impacts, asset condition, and workers' health and safety to ensure maximum risk reduction and benefit for each replacement.	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	746945	SMC: 2024 Station Technician Tools	2025	$	14,381	Issue/Concern/Opportunity: Station Technician Tools Justification: Assets: Related Investments: 48291 SMC Blanket	Fail	See investment description, IRPAs not applicable
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Stations	Pass	748853	CHAT: 07G-601 Chatham North Gate _Valve Replacement_REV2	2025	$	14,349	Issue/Concern/Opportunity: Existing Elastiseal (ball) valves are leaking and cannot be greased. Justification: Replacement for two (2) new 6" ball valves; like-for-like. One valve has been ordered previously the other will be ordered in 2025. Assets: 07G-601 Related Investments: #48291 SMC Blanket	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	749628	Windsor SMC Plant Items	2025	$	13,843	Reg & Relief Rebuild Parts for Stock **This is related to the SMC Blanket - Investment #48291 **	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	749872	NE: 43803117 Graham St PRS rebuild	2025	$	13,843	Issue/Concern/Opportunity. - Leak on station piping, no test points on hard bypass, significant road salt corrosion. Justification: Assets: 43803117 Graham St PRS Related Investments: 48577 stn blanket	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	738782	SUDB: 13200177: Customer Station	2027	$	12,159	Issue/Concern/Opportunity: Old CWT heater at station requires repair Justification: Repairing old CWT will ensure frost heave/freezing issues will not occur, resulting in increased reliability of station. Assets: 13200177 Interpaving SMS Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	502659	NE: 45101125 - Essar #7 BF SMS, Gear Operator Replacement	2025	$	12,055	Issue/Concern/Opportunity: Station has 3 valves that experienced operational issues, as the gear operators are broken. Scope of work includes replacement of the gear operators on the 3 valves. Justification: Assets: Station 45101125 Related Investments: N/A	Fail	See investment description, IRPAs not applicable

GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	7061	Brampton Gate Station Rebuild	2022	$	11,975	Brampton Gate Station - Scope The following issues were identified for addition, replacement or modification: Pipe, Valves & Others: No identified issues, but will be reconfigured to accommodate the rebuild. Existing inlet/outlet piping cannot accommodate increase capacity requirements. Filtration: There is currently no filtration on the TCPL inlet. The existing dry gas filter requires manual intervention to allow backfeed into the NPS 24 line. Heating System: The heating system is in a hazardous area and must be moved. In addition, it has an obsolete control system that is no longer supported. Pressure Control: Station valves are too low to grade – access concerns. There are concerns about the water table in the regulator building and a redesign will address the issues. Existing regulators are approaching capacity and will be replaced with higher capacity regulators to meet future requirements. Odorant System: The odorant panel may require some adjustments for capacity/compliance. Telemetry/Electrical: The telemetry and electrical systems will be brought up to current standards and may include methane and CO sensors and monitoring, station wiring upgrades, electrical service upgrades, station grounding, telemetry tower upgrades, UPS installation, generator or TEG upgrades, modem and firewall upgrades, station lighting upgrades, weather station installation/replacement, and gas chromatograph installation. New generator to be installed, current generator is at end-of-life. Additional Control Tuning requirements needed for Network 2187 outlet NPS 12. This will include addition of DNGP controllers and associated Telemetry equipment within the new RTU Building Measurement: Existing turbine meter will be replaced. Compliance/Civil: Site grading will be required. Recoat all above ground piping and fittings including fittings, station filter, etc. Insulation of new Heating System Inlet (Boiler Building or Cold Weather Technologies) Remove existing East Fence Line. Move existing East Fence line to need alignment. In line with TCPL fence. Replace South Fence to replace gap in fence between Enbridge & TCPL. Remove Tree on West End side of property (Climbing hazard)	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	18825	DUFFERIN ST. & HWY 89 WEST (SHELBURNE)	2026	$	11,578	Issue/Concern: Net Ops Score: 3 BOOT ABOVE GROUND FENCE AGE: 27.4 Customer Count: 2551 Utilization: 0.03216585 Axial Flow - old needs to be rebuilt # of Regs/Avg Size: 4 / 0in Submitted by: Randy R. Assets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	100466	20250A - VALLEYVIEW & MAYFIELD DISTRICT	2022	$	10,026	Issue/Concern/Opportunity: (from Field) Lots of corrosion. 627R regulators no external relief. Justification: Not up to current standards. Corrosion issues require a rebuild. Assets: District Station 20250A	Fail	See investment description, IRPAs not applicable
GTA East Area 40 EGD	40 - Whitby	Distribution Stations	Pass	748294	Sales Stations Rebuilds Area40	2025	$	9,813	Sales Stations are the final pressure control point prior to entering into a customer's building. Operational failure of a sales station such as loss of containment can lead to an explosion or fire. Some factors included in this risk category are damage to property, injuries to members of the public, and the cost to repair the damaged assets. Over-pressure at a sales station can lead to over-pressure in the customer piping system, causing potential leaks in the downstream system or inside customer premises. This could result in consequences of ignition within the customer's property. Under-pressure at a sales station can lead to loss of service for customers, which is particularly a problem if the gas is used for process, home heating, or for life safety generators. The Sales Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues Non-conforming installations: The design or configuration of some sales stations does not allow for required maintenance work (compliance work) to be completed without customer interruptions. Installation practices have evolved such that an older station may require a rebuild to ensure operational integrity. Design or configuration of a sales station may not allow for required maintenance work (compliance work) to be completed without customer interruptions. Obsolete parts: The failure of obsolete regulators would cause excessive delay to repair since parts are not readily available. This could lead to a disruption in service and may impact the safe and reliable delivery of natural gas to customers. Unsafe installation locations: Stations may be exposed to the elements, located in potentially hazardous locations, lack proper clearances and be susceptible to potential threats from third-party damages. Development and encroachment may also increase the risk of a sales station. Any of these issues could result in a rebuild. Integrity of a station: A station may be subject to corrosion and degrading paint and pipe coating due to age or environment may decrease the integrity of the piping and components. The effects of time and/or frost heaving can impact alignment that may cause a station to be rebuilt. Based on the historical replacement rate of the sales station population, and comparing to the condition assessment findings, it is expected that the replacement rate should increase as part of the Asset Plan. The Sales Station Rebuild Program will target approximately 100 stations per year to address the issues above.	Fail	See investment description, IRPAs not applicable
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Stations	Pass	749617	07G-650I Greenfield Global Alcohol	2025	$	9,529	New Turbine meter being installed at Greenfield Global Alcohol. This is a large customer, that has had issues with the station, current station does not presently have an auto oiler installed Asset: 07G-650I Commercial Alcohols/Greenfield Global Alcohols	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass	739692	Header Station Rebuilds Area 60	2025	$	9,466	**This is related to the SMC Blanket - Investment #48291 ** Header Stations are the pressure regulating point at the transition from the distribution system to private property. Failure causing over-pressure could unintentionally introduce high pressure gas into the customers' property. Leak or loss of containment at a header station can lead to an explosion or fire. The Header Station Rebuild Program Strategy is to continuously inspect, collect information and remediate assets with the following issues: Non-standard configuration: Configuration that doesn't meet current engineering standards which are based upon safe and reliable operation. A single run station would be an example of a non-standard configuration. Boot-style regulators: Stations with both operator and monitor boot-style regulators have a single common failure mechanism resulting from debris in the gas stream. Replacement of one boot style regulators with a non-boot style regulator reduces the vulnerability of failure of both the operator and the monitor regulator from a single failure mechanism. Unsafe installation locations: Header stations may also be included in the replacement program because their location is out of compliance with spacing requirements, such as distance from building openings or conflicts of the electrical hazardous area classification. Replacement may also be triggered because the station location is susceptible to damage from its environment, such as falling debris or traffic. Poorly performing components: If a particular header station has required significant maintenance work, it would be included in the rebuild program. Poor condition: A station may have significant deterioration of the assets that would require replacement. This would include significant pitting from corrosion, inability for a relief valve to reset, or a regulator to not hold set point despite a complete service. Obsolete Regulators: The criteria for this category is that there are no spare parts available, they are no longer approved for use on new installations or a combination poor performance and manufacturer availability. When an obsolete regulator fails, it cannot be easily replaced and a disruption in service to the customer may result. Increased Capacity: Stations that are operating over designed capacity due to increased customer load are targeted for replacement to maintain gas supply. The Header Station Rebuild Program mitigates the risks associated with poorly performing stations, as the potential failure of a header station may carry substantial risks. A single header station may service hundreds of customer and the consequence of a station failure can be significant. Stations are evaluated to validate downstream customer impacts, asset condition, and workers' health and safety to ensure maximum risk reduction and benefit for each replacement.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	101061	32924A - HWY # 7 & ROYBRIDGE GATE DISTRICT	2025	$	9,447	Issue/Concern/Opportunity: (from Field) Box is at grade. Box raise or station raise required. Justification: Box is at grade. Box raise or station raise required. Assets: District Station 32924A	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Distribution Stations	Pass	739582	LUG - ERX Cloudlink Modem Replacement	2025	$	8,969	Issue/Concern/Opportunity: Lost of communications related to Rogers Network (3G) communication for our ERX field device Justification: Required to ensure continuous operation of our field communication device Assets: ERX Modem Device (Cloudlink) Related Investments: None	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	501423	A10: Alpha Ave, Toronto, Pressure Elevation	2022	$	8,921	Issue/Concern/Opportunity: We are trying to get rid of our LP systems altogether based on the Columbia Gas incident in 2018. Justification: Assets: Station # 2853798 will be removed and gas main with asset # 37001S3 will be elevated from LP to IP Related Investments:	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	101000	2746401 - BIRCHMOUNT & ST. CLAIR DISTRICT	2024	$	7,850	Issue/Concern/Opportunity: (from Field) Below ground box, Corrosion, Lock up issues Justification: Below ground box, Corrosion, Lock up issues Assets: District Station 2746401	Fail	See investment description, IRPAs not applicable
Brantford Area 07 UGL	Div_06 - Brantford	Distribution Stations	Pass	502258	BRAN: 12R-601 Tillsonburg South Distribution Station, Regulator Repl, Meter Install, Repairs, Proj #06-24-700	2024	$	7,217	Issue/Concern/Opportunity: Isolation valve for relief associated with 3rd run has a broken stem and has to be replaced for safety reasons. The orifice meter on site is not measuring accurately. This is to be replaced with a turbine meter. The regulators on the 1A cut are both broken. They require replacement. Currently downstream is fed from cut 1B. Justification: Replacement is needed to ensure safe and correct operational of the relief associated with the 3rd run. Assets: Tillsonburg South (12R-601)	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	749393	06A-605R Matchette & Prince - Insulation and re-tubing	2024	$	7,055	Noise study conducted in 2019 yielded the requirement for insulation around the regulators. This work is for the station tech to relocate existing bags from the California Station to this station, and re-tube to allows the bags to fit better. Assets: 06A-605R Matchette and Prince	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Pass	21023	Telemetry Internal Work Scheduling	2025	$	5,987	**This is related to the SMC Blanket - Investment #48291 ** Issue/Concern: BC created for a flow through of work orders created in Maximo, such as raise and return work orders, that have no charge costs and CU's associated with the work order and required for Click mobility. Minimal capital commitment to ensure that these work orders can be scheduled out. Assets: Telemetry Assets Related Program (if applicable): Gate and Feeder Station Work. ERX work. Station turn on work.	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	742298	NE: Vale Clarabelle Thawshed Pilot Post	2025	$	5,858	Issue/Concern/Opportunity: Fence repairs to be completed. Justification: New fence will improve security of the station Assets: 43202052 Vale Clarabelle Thawshed SMS Related Investments: 48577 - Station Blanket drawdown to post placement	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	101130	HAMI: 16K-106R King St E, Dundas, Vault Station Rebuild	2025	$	5,834	16K-106R is an underground vault station identified as part of Below Ground Vault Replacement Program, an ongoing initiative to eliminate vault stations in the district. The station has drainage concerns with 6-8" of water being accumulated, but not deep enough to reach the station piping. The inlet Kerotest valve have snapped and the regulators are difficult to shut off. Station construction is to be carried out in 2024. The expected in-service date is December 2024. The network is sustained without this station at temperatures -19C and warmer. Any colder and we will see the downstream network fall below the system minimum of 140 kPa. The other stations feeding into this network do not flow over capacity in this scenario and are assumed to be at 380 kPa out – Binkley, Ewen Rd & CNR Tracks, and Olympic Dr. Interruptible customers are flowing as well.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Distribution Stations	Pass	101060	32915A - ROLLING HILLS & GAMBLE DISTRCT	2025	$	5,790	Issue/Concern/Opportunity: (from Field) Box is at grade. Box raise or station raise required. Justification: Box is at grade. Box raise or station raise required. Assets: District Station 32915A	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	749520	King: 22-25-714 - 28103003 Essroc Cement	2025	$	5,768	Issue/Concern/Opportunity: Debris accumulation upstream of the filter bypass valve Justification: filter elements need frequent replacement Assets: 28103003	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	749869	NE: 43202065 Kelly Lake TBS Crash Gate	2025	$	5,768	Issue/Concern/Opportunity. - Install new crash gate for egress point Justification: Assets: 43202065 Kelly Lake TBS Related Investments: 48577 stn blanket	Fail	See investment description, IRPAs not applicable
Northeaste rn Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	749871	NE: 43204012 Lockerby DRS Crash Gate	2025	$	5,768	Issue/Concern/Opportunity. - Install new crash gate for egress point Justification: Assets: 43204012 Lockerby DRS Related Investments: 48577 stn blanket	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	100834	King - under rated valves Napanee TBS 28101001	2025	$	5,560	2 regulator run outlet convenience valves have been identified that are not rated for the potential pressure they are exposed to during operational checks and need to be replaced . There is risk for potential employee injury, equipment over pressurization and process upset. Plant failure. brand image. system reliability	Fail	See investment description, IRPAs not applicable

London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	741760	13N-501 Byron Trans - Noise attenuation, building moisture remediation and Boiler Leak repair	2024	$	5,560	Issue/Concern: Acoustic noise produced by station in residential area. Under peak conditions, this is above the MOE's permitted levels and must be addressed. Three-way valves on glycol boiler system are leaking and require replacement. Significant moisture issues in both regulator buildings that requires vapour barrier installation. Assets: Byron Transmission Station Related Programs: N/A	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	101123	85151A - FORKS & TOWNLINE DISTRICT	2028	$	5,372	Issue/Concern/Opportunity: (from Field) Corrosion Justification: Corrosion Assets: District Station 85151A	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	18819	SYLVANWOODS DIST.@HWY 89, SHELBURNE.	2026	$	5,206	Issue/Concern: Net Ops Score: 2 SPRING ABOVE GROUND Single Source AGE: 44.4 Customer Count: 50 Utilization: 0.1561892 Broken outlet valve. # of Regs/Avg Size: 4 / 0in Submitted by: Randy R. Assets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass	18897	MAYFIELD AND AIRPORT	2026	$	5,206	Issue/Concern: Net Ops Score: 4 PILOT ABOVE GROUND BOX AGE: 3.4 Customer Count: 60281 Utilization: 0.07555713 Grade issue # of Regs/Avg Size: 4 / 0in Submitted by: Randy R. Assets: Related Program (if applicable):	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Distribution Stations	Pass	735299	81197A BOWEN & STEVENSVILLE DISTRICT	2029	$	5,206	Issue/Concern/Opportunity: (from Field) • B35R regulators Justification: Assets: District Station 81197A	Fail	See investment description, IRPAs not applicable
Chatham Area 02 UGL	Div_02 - Chatham	Distribution Stations	Pass	749633	07J-101 R McKays Corners Dist Stn	2025	$	5,149	Corrosion and pitting have progressively gotten worse over the years. Winters are a problem with the salt and snowplows. The relief stack is rotted right through the pipe. We would like a rebuild of the station. **This is related to the SMC Blanket - Investment #48291 **	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	749450	TBAY: 33-25-701 Hurkett TBS Filter Installation (30502001)	2025	$	4,949	Station: HurkettTBS (30502001) Issue/Concern/Opportunity: The current station filtration is an in-line "Witch's Hat" located on the meter inlet piping, downstream of the regulators and inaccessible for maintenance. We're looking to relocate and replace the filtration. There was some recent pipeline work by TCE in the area, raising concern that debris may be introduced into the station over the next couple of years and could damage the regulators. Would like to relocate the filtration to the station inlet valve assembly and install a Y-strainer filter, located upstream of regulation to prevent debris from getting into the regulators. The funds for this work will be drawn down from the NW Station Blanket (investment #48504).	Fail	See investment description, IRPAs not applicable
Northwestern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	749857	NE: 43201017 Warren TBS Insulation	2025	$	4,876	Issue/Concern/Opportunity. - Installation of new insulation at Warren TBS from heater to regulation Justification: Assets: 43201017 Related Investments: 48577 stn blanket	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Distribution Stations	Pass	747315	TIMM: Glencore Mine (41901010) Relief Valve Replacement	2025	$	4,614	Station: Glencore Mine SMS (41901010) Issue/Concern/Opportunity: The existing NPS 6 relief valve is prone to weeping/leaking in the winter months when the temperature drops below -20 C. This poses an issue with the reliability of the relief valve to operate properly under these conditions. This investment will replace the existing with an NPS 4 EZR relief valve which will alleviate these issues. The entire relief assembly downstream of the isolation valve on the relief stack will have to be replaced. The funds for this work will be drawn down from the NW Station Blanket (investment #48504).	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	743557	WIND 04A-202 Amherstburg Gate - Cabinet & Abandonment	2024	$	4,412	2023 PROJECT - Install transmitter cabinet, anode, and valves. Assets: 04A-202 Amherstburg Gate	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	745885	LOND: 13O-402 London Westmount Heater Replacement	2024	$	4,362	Replacement of BS&B heater at Westmount station due to failures identified in FIMP inspection, cannot remain in service for an additional year.	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	749482	TBAY: 33-25-702 Mountain @ Glenn PRS Rebuild (30205234)	2025	$	4,037	Station: Mountain Rd @ Glenn Ct PRS (30205234) Issue/Concern/Opportunity: The existing PRS has an obsolete Fisher 621 regulator, which poses a risk as we can no longer get replacement parts to maintain the regulator. This PRS also does not have provision for bypass built in, so the Station Tech must shut off a handful of customers every time they need to complete compliance The funds for this work will be drawn down from the NW Station Blanket (investment #48504).	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Distribution Stations	Pass	747063	King: 22-24-708 Deseronto TBS CWT Heater Replacement	2025	$	2,901	Replace existing CWT 140 that is malfunctioning with new same size unit. Cost to include: heater, concrete pad, minor piping adjustments, minor electrical work and HP paint and insulation.	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Distribution Stations	Pass	745849	TBAY: 33-24-701 Huron St DRS Valve Replacement	2024	$	1,730	Station: Huron St DRS (30203109) Issue/Concern/Opportunity: Actuator on a 2" plug valve in this station fractured during annual inspections by the Station Technician in late 2023. The valve was scoped by the Station Technician and it is not actively leaking, but this fracture has the potential to start leaking and prevents annual compliance inspections from being completed on the station. Valve must be replaced (2" PN50 plug valve). This station has a double run so system pressure will not be affected, and this station is backfed from 4 other DRS' in the area. The funds for this work will be drawn down from the NW Station Blanket (investment #48504).	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	745884	LOND: 14N-302 Hensall Transmission Heater Replacement	2024	$	1,243	Replacement of BS&B heater at Hensall Transmission station due to	Fail	See investment description, IRPAs not applicable
Northwestern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	734577	NE: 43801032 - Station Retirement	2026	$	1,134	Issue/Concern/Opportunity: Station to be retired Justification: Retire service, remove fencing & building. Site is gated with limited access and no contact info. Station is no longer there and plant is gone. Assets: 43801032 - Stepan Industries Related Investments:	Fail	See investment description, IRPAs not applicable
Northwestern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	734580	NE: 43101005 - Station Retirement	2026	$	1,134	Issue/Concern/Opportunity: Station to be retired Justification: Station has been retired but all infrastructure in building as well as the building itself is still on site. Riser has been capped above grade. Service should be retired at main or PL. Assets: 43101005 - Sturgeon Falls Mill SMS Related Investments:	Fail	See investment description, IRPAs not applicable
Northwestern Area 46 UGL	Div_46 - North Bay & Orillia	Distribution Stations	Pass	734579	NE: 43804002 - Occupational Centre PRS, Station Retirement	2027	$	1,076	Issue/Concern/Opportunity: Station to be retired Justification: Centre has been closed for approx. 10 years, this site is on but inactive. Seems to be work happening in the area and they may be building a subdivision. This PRS would likely need to be rebuilt/upgraded and the development could be 10 more years before complete. Assets: 43804002 - Occupational Centre PRS Related Investments:	Fail	See investment description, IRPAs not applicable
Northwestern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	734582	NE: 44301018 - Levack Mine Air Heater #2 SMS, Station Retirement	2027	$	1,076	Issue/Concern/Opportunity: Station to be retired. 2 Stations that need to be abandoned. Justification: Assets: 44301018 - Levack Mine Air Heater #2 SMS Related Investments:	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass	741506	WIND: 05E-403 Comber Trans – Fence install	2024	$	903	Issue/Concern/Opportunity: Need Fencing Enclosure Justification: Fencing Enclosure Assets: 05E-403 Related Investments: 48291 SMC Blanket	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	747196	LOND: Technician Crystal Gauge Replacement	2024	$	786	Replacement of crystal gauges - used for station testing and commissioning	Fail	See investment description, IRPAs not applicable
Northwestern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Distribution Stations	Pass	738219	Sudbury - CNG Station	2025	$	719	Traditionally, fleet operators fuel their vehicles with gasoline or diesel. EGI promotes the use of natural gas to these customers as an alternate fuel source to provide a lower-cost and lower-emission fueling solution for vehicles such as garbage trucks, light duty vehicles, and transit buses. Business Development is responsible for the installation, maintenance, and the safe and continued operation of NGT stations assets for these customers. NGT stations differ in operation from distribution system stations as NGT stations use and store compressed natural gas (CNG) on site at up to 4000 - 5000psi. EGI has two general categories for NGT station types: Large, Mobile and Utility NGT stations and Small NGT stations (also referred to as VRAs). Large, Mobile and Utility NGT stations are similar in operation and will be evaluated for condition in the same manner.	Fail	See investment description, IRPAs not applicable for CNG
Head Office Support	Div_54 - Head Office Support	Distribution Stations	Pass	503412	CNG Station Project - #5	2024	$	719	Owen Sound Traditionally, fleet operators fuel their vehicles with gasoline or diesel. EGD promotes the use of natural gas to these customers as an alternate fuel source to provide a lower-cost and lower-emission fueling solution for vehicles such as garbage trucks, light duty vehicles, and transit buses. Business Development is responsible for the installation, maintenance, and the safe and continued operation of NGT stations assets for these customers. NGT stations differ in operation from distribution system stations as NGT stations use and store compressed natural gas (CNG) on site at up to 4000psi. EGD has two general categories for NGT station types: Large, Mobile and Utility NGT stations and Small NGT stations (also referred to as VRAs). Large, Mobile and Utility NGT stations are similar in operation and will be evaluated for condition in the same manner.	Fail	See investment description, IRPAs not applicable for CNG
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass	738752	Waterloo - CNG Station	2026	$	719	Traditionally, fleet operators fuel their vehicles with gasoline or diesel. EGI promotes the use of natural gas to these customers as an alternate fuel source to provide a lower-cost and lower-emission fueling solution for vehicles such as garbage trucks, light duty vehicles, and transit buses. Business Development is responsible for the installation, maintenance, and the safe and continued operation of NGT stations assets for these customers. NGT stations differ in operation from distribution system stations as NGT stations use and store compressed natural gas (CNG) on site at up to 4000 - 5000psi. EGI has two general categories for NGT station types: Large, Mobile and Utility NGT stations and Small NGT stations (also referred to as VRAs). Large, Mobile and Utility NGT stations are similar in operation and will be evaluated for condition in the same manner.	Fail	See investment description, IRPAs not applicable for CNG
Head Office/Alt	00 - Head Office	Distribution Stations	Pass	503415	Bellville Yard Station	2025	$	719	The Enbridge fleet continues to achieve fuel cost savings and reduced emission benefits by operating their light-duty vehicles on natural gas versus gasoline.	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass	101090	HAMI: 16K-502R Glancaster Hwy 6 & 20 Rd Station Rebuild, Frost Heave	2023	$	513	Extensive heaving caused leaks on flanges of the station. Plan to rebuild the station within the same station fencing	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	747285	Churchill Rd Station - Building Doors & Vents	2025	$	503	replace building doors and building vents with higher security equipment	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass	747284	Sarnia Industrial Station - Building Doors & Vents	2025	$	346	replace building doors and building vents with higher security equipment	Fail	See investment description, IRPAs not applicable

Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass		48418	WATE: 19V-105R Stone & Gordon Vault Station, Guelph, Full Rebuild (Capital Maintenance), Corrosion and Leakage Proj# 07-19-702	2024	$	(2,428)	Issue/Concern/Opportunity: Union's system station assets include a number of below grade vaulted stations. This project will replace all remaining vaulted stations with above grade facilities, reducing the risk of equipment failure and ensuring the reliability and integrity of these sites. These stations are advanced in age and present significant maintenance challenges due to their confined nature and a variety of risks with respect to asset deterioration and equipment failure. The vault design is prone to water ingress that can cause frost heave, accelerated corrosion of the assets and the vault itself, and can interfere with the proper operation of equipment. All of these factors have a negative effect on reliability and can create personal injury risks. As the solutions for each asset are developed, customer engagement results will be leveraged to select either a typical system station design with land purchase or an above grade enclosure station where land purchase is impractical. Justification: Replacing vault stations will decrease risk of equipment failure, improve system reliability and result in the stations being more safely and efficiently maintained. Asset: 19V-105R Stone & Gordon Vault Station Related Investments: N/A	Fail	See investment description, IRPAs not applicable					
London Area 04 UGL	Div_04 - London	Distribution Stations	Pass		747283	SARN: Dow Valve Site - Fence Modification	2024	$	(4,473)	Fence modifications to incorporate crash gates	Fail	See investment description, IRPAs not applicable					
Waterloo Area 07 UGL	Div_07 - Waterloo	Distribution Stations	Pass		100613	WATE: 18U-601 Avenue Rd Station, Cambridge, Heater Replacement & SCADA Upgrade (Capital Maintenance), Proj# 07-22-701	2024	$	(5,091)	Issue/Concern/Opportunity: Heating system is starting to become obsolete. Uses glycol as the heat transfer medium via below grade transfer lines, which can pose an environmental risk as cleanup can be >$100,000 per incident. Justification: Heater replacement is recommended to ensure reliable and safe operation of heating system, and reduce environmental risks. Assets: Avenue Rd Distribution Station (18U-601)	Fail	See investment description, IRPAs not applicable					
Hamilton Are 16 UGL	Div_16 - Hamilton	Distribution Stations	Pass		747316	HAMI: Station 13Y-201 - fence repair	2024	$	(5,941)	Install two new fence posts to replace bent gate posts. Then reinstall and level fence at station 13Y-201.	Fail	See investment description, IRPAs not applicable					
GTA West Area 20 EGD	20 - Mississauga	Distribution Stations	Pass		746986	Airport Terminal 3 Temporary Station	2025	$	(17,030)	Issue/Concern/Opportunity: Terminal 3 has a leak on their supply pipe that supplies gas to the heating, kitchens, and tarmac. A temporary regulation is required to keep the gas suspply flowing. This is an urgent project which needs to be done ASAP. Justification: Assets: Related Investments:	Fail	See investment description, IRPAs not applicable					
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass		743884	WIND - 03D-310R Mersea Rd 3 Drainage Remediation	2024	$	(39,345)	Issue/Concern: Swale erosion, drainage issues, and other geotechnical problems causing wash outs around the station Justification: Refund a deposit from the city of Leamington and keeping the station site safe for Enbridge employees Assets: 03D-310R Mersea Rd 3 Distribution Related Programs: N/A	Fail	See investment description, IRPAs not applicable					
Eastern Area 60 EGD	60 - Ottawa	Distribution Stations	Pass		740300	Ottawa - CNG Station	2024	$	(41,933)	Remove CNG station from current location and install at North West Corner of parking lot. To facilitate the meter shop transformation to office spaces and lounge area.	Fail	See investment description, IRPAs not applicable for CNG					
Halton Area 17 UGL	Div_17 - Halton	Distribution Stations	Pass		735035	Halt: Nimh/Britannia, Rebuild 20Y-401R	2024	$	(123,101)	"Clamp being used to seal leak on HP side. Sever corrosion. Need to complete corrosion assessment & rebuild station."	Fail	See investment description, IRPAs not applicable					
Windsor Area 02 UGL	Div_01 - Windsor	Distribution Stations	Pass		743287	WIND-03D-301 Leamington North Gate Station (2026:ISD Ph2)	2027	$	(1,452,246)	Issue/Concern: The Gate & Feeder Station Replacement Program manages the proactive replacement of component groups with the highest probability of failure, non-compliant assets, and the realization of opportunities for multiple component group replacements per station location as required. The Leamington North Gate station has obsolete heating equipment and there are two boilers (circa 1985) that are problematic and have experienced glycol containment issues. The boiler controls have malfunctioned several times over the last 2/3 years. The station piping presents ergonomic concerns as some sections are at ankle height. Scope: Rebuild of the entire Station, except the heating system. Heating System issues will be addressed with Investment # 502429. Assets: 03D-301 Leamington North Gate Related Investments: 502429 (Executing) & 736445 (Completed) Related Programs: N/A The station piping presents ergonomic concerns as some sections are at ankle height. Justification: Rebuild the station at the existing site; build a new IP station at a new location (essentially breaking the station into two new stations). Region will complete the IP portion of the station rebuild. Assets: 03D-301 Leamington North Gate Phase 1 Related Programs: N/A	Fail	See investment description, IRPAs not applicable					
Toronto Area 10 EGD	10 - Toronto	Distribution Stations	Fail	Emergent Safety	10295	Station Emergency Replacement Blanket - All Areas	2025	$	1,147,638								
London Area 04 UGL	Div_04 - London	Transmission Pipe & Underground Storage	Pass		100699	Dawn Parkway Expansion Project (Dawn-Enniskillen NPS 48)	2030	$	298,339,583	Issue/Concern: In response to increased natural gas demand growth along the Dawn Parkway System, the Kirkwall to Hamilton Expansion will provide reliable, secure, economic natural gas capacity to meet the growing design day demand of the Dawn Parkway Transmission system which serves both in- and ex-franchise markets. These facilities are incremental to the Kirkwall to Hamilton Expansion (INV 48654) and timing is dependent on the Dawn Parkway System demands. Assets: Install approximately 17.2 km of NPS 48 internally-coated pipeline from Dawn Compressor Station (10G-301) to Enniskillen Valve Site (11H-301V) on the Dawn Parkway System. Related Program: Not applicable	Pass		In Progress	Market side supply options to be assessed prior to LTC application.			
Hamilton Are 16 UGL	Div_16 - Hamilton	Transmission Pipe & Underground Storage	Pass		48654	Dawn Parkway Expansion Project (Kirkwall-Hamilton NPS 48)	2029	$	209,509,793	Issue/Concern: In response to increased natural gas demand growth along the Dawn Parkway System, the Kirkwall to Hamilton Expansion will provide reliable, secure, economic natural gas capacity to meet the growing design day demand of the Dawn Parkway Transmission system which serves both in- and ex-franchise markets. Assets: The Kirkwall-Hamilton Expansion Project consists of 10.2 km of NPS 48 pipeline from the Kirkwall Valve Site to the Hamilton Valve Site. Related Programs: N/A	Pass		In Progress	Market side supply options to be assessed prior to LTC application.			
Chatham Area 02 UGL	Div_02 - Chatham	Transmission Pipe & Underground Storage	Pass		735972	Panhandle Growth	2031	$	150,950,562	Issue/Concern: Panhandle System expansion is driven by in-franchise growth in Chatham-Kent, Windsor-Essex and surrounding areas, including the fast-growing greenhouse market in the Leamington/Kingsville area. Based on the current forecast for in-franchise general service and contract growth in the Panhandle Transmission System market, EGI has determined that the next Panhandle facilities for expansion will need to be in place). These facilities are incremental to the Panhandle Regional Expansion Project and timing is dependent on the Panhandle System demands. Assets: Install approximately 12 km of NPS 36 pipeline from Richardson sideroad, looping the existing Panhandle NPS 20 pipeline to Comber Transmission Station (05E-403). Related Program: Not applicable	Pass		In Progress	Market side supply options to be assessed prior to LTC application.			
Sarnia Area 04 UGL	Div_03 - Sarnia	Transmission Pipe & Underground Storage	Pass		748157	Sarnia Transmission Reinforcement	2029	$	126,783,984	Issue/Concern: In response to increased natural gas demand growth on the Sarnia Industrial Line, the Sarnia Transmission Reinforcement project will provide reliable, secure, economic natural gas capacity to meet the growing design day demand of the Sarnia Industrial system. Assets: The project consists of a new dehydration unit at Corunna, acquisition of the ANR Link Pipeline, and a new station to connect the ANR Link Pipeline with the Sarnia Industrial Line Related Programs: N/A	Pass		In Progress	Market side supply options to be assessed prior to LTC application.			
Windsor Area 02 UGL	Div_01 - Windsor	Transmission Pipe & Underground Storage	Pass		100086	Panhandle Line - Risk Mitigation	2028	$	31,716,641	Issue/Concern: EGI's Integrity Management team initiated work in 2019 to better understand the risk associated with the two NPS 12 crossings that connect the Panhandle Eastern System owned and operated by Energy Transfer in Michigan with the EGI system in Ontario. These two crossings, installed in 1947, have never been internally inspected to check for the presence of the primary threat of internal corrosion; such inspection cannot be achieved given the configuration of the asset. A risk assessment was recently completed for the river crossings. The risk owner and risk approver reviewed the risk results and have decided the risk requires treatment with a permanent solution. Assets: Transmission Pipeline (Canada Energy Regulator-regulated crossing) Related Programs: Not applicable.	Pass		In Progress	Market side supply options to be assessed prior to LTC application.			
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass		740055	Panhandle Regional Expansion Project - Dawn Facilities	2025	$	47,151,567	Issue/Concern: To provide reliable, secure, and affordable natural gas supply to meet the growth in Design Day demand of the Panhandle System: Assets: i. Dawn Yard (Moved to INV740055) : 700 m of 8960 kPa MOP NPS42 station header is required to maintain the maximum sustainable pressure on design day. This header will also provide operational flexibility and security of supply to the Panhandle system. Related Program: Panhandle Regional Expansion Project	Fail	Leave to construct for the project has been granted by the OEB					

Chatham Area 02 UGL	**Div_02 - Chatham**	Transmission Pipe & Underground Storage	**Pass**	**749015**	Panhandle Regional Expansion Project - Loop 2025 Scope	**2025**	$	16,711,402	Issue/Concern: this is a investment meant to capture the cleanup and restoration scope in 2025 for the work below For additional details and justification, refer to the Panhandle Regional Expansion Project (PREP) Leave to Construct application EB-2022-0157. To provide reliable, secure, and affordable natural gas supply to meet the growth in Design Day demand of the Panhandle System: Assets: i. Dawn Yard: ((Now Moved to INV 740055)) 700 m of 8960 kPa MOP NPS42 station header is required to maintain the maximum sustainable pressure on design day. This header will also provide operational flexibility and security of supply to the Panhandle system. ii. Panhandle Take-off Station: The existing station will be modified to meet the new system capacity demand requiring measurement, odourization and regulation assets. iii. Dover Transmission Station: This existing regulating station will be modified to connect the new NPS 36 pipeline to the upstream system. Flow measurement equipment will also be added to the station. iv. Panhandle Loop : 19 km of 6040 kPag MOP NPS36 pipeline will parallel the NPS 20 from Dover Transmission station to a new valve site at Richardson Sideroad. v. Richardson Sideroad Valve Site: A new valve site is required at the end of the NPS 36 Panhandle loop to connect to the existing NPS20 mainline. Isolation valves and launcher/receiver facilities will be installed at this location.	Fail	Leave to construct for the project has been granted by the OEB
Chatham Area 02 UGL	**Div_02 - Chatham**	Transmission Pipe & Underground Storage	**Pass**	**49758**	Panhandle Regional Expansion Project	**2024**	$	1,652,833	Issue/Concern: For additional details and justification, refer to the Panhandle Regional Expansion Project (PREP) Leave to Construct application EB-2022-0157. To provide reliable, secure, and affordable natural gas supply to meet the growth in Design Day demand of the Panhandle System: Assets: i. Dawn Yard: ((Now Moved to INV 740055)) 700 m of 8960 kPa MOP NPS42 station header is required to maintain the maximum sustainable pressure on design day. This header will also provide operational flexibility and security of supply to the Panhandle system. ii. Panhandle Take-off Station: The existing station will be modified to meet the new system capacity demand requiring measurement, odourization and regulation assets. iii. Dover Transmission Station: This existing regulating station will be modified to connect the new NPS 36 pipeline to the upstream system. Flow measurement equipment will also be added to the station. iv. Panhandle Loop : 19 km of 6040 kPag MOP NPS36 pipeline will parallel the NPS 20 from Dover Transmission station to a new valve site at Richardson Sideroad. v. Richardson Sideroad Valve Site: A new valve site is required at the end of the NPS 36 Panhandle loop to connect to the existing NPS20 mainline. Isolation valves and launcher/receiver facilities will be installed at this location.	Fail	Leave to construct for the project has been granted by the OEB
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**742820**	Kimball 8 Wells Replacement Project	**2026**	$	19,114,280	This program drills and commissions eight new wells in the Kimball pool to replace wells with the risk of no intermediate casing section over a period of four years. The eight wells will be abandoned as part of the program due to the lack of intermediate casing hence diminishing the flow capacity of the Kimball reservoir by XX%. The drilling of the replacement wells is designed to recover lost deliverability. Deliverability reduction of this magnitude increases CSAT risk dramatically. *Asset*: Kimball reservoir (Wells and Well Equipment asset program) and gathering system (Field Lines asset program). *Related Programs*/BCs: Installation of wells is performed by the reservoir group (Wells and Well Equipment asset program), installation of laterals is performed by the project execution group (Field Lines asset program). This separation is based on skill set and qualifications. There is a programmatic time dependence between the two asset programs.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**747570**	2025 NPS 26 Trafalgar Integrity Digs	**2025**	$	13,089,698	2025 forecast: ILI digs estimated based on previous years inspection plan. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**6377**	PCRW:Wells-Upgrade	**2030**	$	10,755,021	Issue/Concern: Wells at Crowland are much older than other wells at EGI. Due to age, the wells were constructed to a production standard which would normally be retired after 10 years. Instead, the wells were converted to Storage service in the early 1970s and continue to operate ever since. Many wells have been relined, increasing the risk of leaks. Most wells possess only two casings; the current standard requires a minimum of three casings. The two-casing design at Crowland is comprised of an inner casing that runs from the surface to the reservoir (about 225 m) plus a surface casing that runs from the surface to a depth of about 20 m. Most wells do not have an intermediate casing with cement between the inner and intermediate casings; however, there is cement between the inner casing and the surrounding rock. This provides a poor barrier to gas flow should the inner casing fail. In addition, none of the wells at Crowland employ wellheads and master valves. Instead, the inner casing is simply connected to a flanged 1/4 turn valve without wing valves or wellhead vents. The surface casing is separated from the surface using cement. There are no casing vents and part of the inner casing (typically a length of 2 to 16 inches) is exposed at the surface. The lack of casing vents eliminates normal approaches to controlling a failed well. Ventlogs have been performed in the last 5 years, and indicated that the inner casing integrity is adequate, although 2 of 26 wells needed to be abandoned. Currently, there are 24 wells remaining. Bond logs have not been performed yet to determine the condition of cement at sulphur layers. Primary concerns are: (1) Code compliance of the wells and wellheads - Technically, these wells were constructed before CSA Z341 came into force and are grandfathered. However, a well failure would likely be viewed negatively by technical regulators. (2) Risk to employees and the public - In the event of a loss of containment, there are insufficient barriers to gas flow. Public risk also extends to possible sulphur contamination of well water at surface levels. In addition to the wells, much of the gathering system is as old as the wells. The gathering system is operating at <30% SMYS, which means they have not been considered for integrity inspections until recently and the gathering system pipe condition is unknown after 50 to 100 years of operation. Assets: Crowland wells and gathering system. Related Programs: This investment is under consideration in conjunction with other Crowland investments in the Distribution Station asset class and Compressor Station asset class. Issues related to the wells and gathering system should be considered together with the additional distribution station and compressor station issues/concerns.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
Waterloo Area 07 UGL	**Div_07 - Waterloo**	Transmission Pipe & Underground Storage	**Pass**	**747245**	Guelph NPS 12 Crossover	**2026**	$	9,552,174	Issue/Concern/Opportunity: Tie in the NPS 48 Trafalgar Line from Guelph Take-off to Guelph Gate Station with 1.2km of NPS 12. NPS 12 provisions are available on both sites Justification: Security of supply to the Guelph markets. The Guelph Gate station is currently only fed from the NPS 26 Trafalgar Line. The current integrity challenges could pose a risk to the gas supply into the Guelph markets Assets: Install new NPS 12 pipeline tie into NPS 26 Trafalgar Line and the NPS 48 Trafalgar Line Related Investments: N/A	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**102786**	2029 Well Lateral Integrity Program	**2029**	$	9,209,006	2029 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2023-2025 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools or subject to other integrity verification.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**735470**	2028 Well Lateral Retrofits	**2028**	$	8,395,920	Project Specific: Well Lateral Integrity Program supporting refinement of pipeline risk profile. Associated 2029 O&M spend for ILI or other integrity verification. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools or subject to other integrity verification.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**102775**	2029 Integrity Dig Program S&T	**2029**	$	8,376,009	2029 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2025 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**102781**	2029 Depth of Cover Mitigation Program	**2029**	$	8,267,176	2029 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2025 Mitigation of depth of cover sites that are out of compliance with CSA Z662 & TSSA requirements. Some of the known sites are discovered during annual Depth of Cover Surveying, while others are reported by company crews when performing maintenance work or by 3rd party . At this time the specific work scope of each year is not defined and this is a blanket program as a placeholder in the budget. The mitigation work will include the construction costs from sites identified and planned for the current year, as well as work on sites that are newly identified. Scope of work can vary from small remediation projects to add fill, concrete or bank stabilization, to short replacement of pipe.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**102792**	2029 S&T Pipelines Integrity Program	**2029**	$	7,993,324	2029 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2024 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**102785**	2028 Well Lateral Integrity Program	**2028**	$	7,696,261	2028 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2023-2025 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools or subject to other integrity verification.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**102774**	2028 Integrity Dig Program S&T	**2028**	$	7,000,098	2028 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2025 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable

STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	102779	2028 Depth of Cover Mitigation Program	2028	$	6,909,143	2028 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2025 Mitigation of depth of cover sites that are out of compliance with CSA Z662 & TSSA requirements. Some of the known sites are discovered during annual Depth of Cover Surveying, while others are reported by company crews when performing maintenance work or by 3rd party . At this time the specific work scope of each year is not defined and this is a blanket program as a placeholder in the budget. The mitigation work will include the construction costs from sites identified and planned for the current year, as well as work on sites that are newly identified. Scope of work can vary from small remediation projects to add fill, concrete or bank stabilization, to short replacement of pipe.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	102790	2028 S&T Pipelines Integrity Program	2028	$	6,680,328	2028 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2024 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	741976	Trafalgar NPS 26 Line Lowering - Valens Rd East	2025	$	6,602,584	Project Specific: Replacement of 2 sections : ~200m in a ditch near Metcalfe St W (Strathroy) & ~145m near Scotchmere Drive & Amiens Road. ProjectWise Link to scope: pw://pwintegration.gtna.gt.ds:TRM_PROD/Documents/D{b9ae5768-d178-455e-8e7d-e1b4ee25e72d} General: Sections of the NPS 26 Trafalgar pipeline have been identified as shallow with depth of cover below the minimum permissble by TSSA. This project will mitigate these areas by lowering the pipeline through these areas. Mitigation of depth of cover sites that are out of compliance with CSA Z662 & TSSA requirements. Some of the known sites are discovered during annual Depth of Cover Surveying, while others are reported by company crews when performing maintenance work or by 3rd party . At this time the specific work scope of each year is not defined and this is a blanket program as a placeholder in the budget. The mitigation work will include the construction costs from sites identified and planned for the current year, as well as work on sites that are newly identified. Scope of work can vary from small remediation projects to add fill, concrete or bank stabilization, to short replacement of pipe.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Transmission Pipe & Underground Storage	Pass	102556	Class Location Replacement Program 2028 - S&T Assets	2036	$	5,441,160	General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS, unless previously designed, tested, operated, and maintained for a Class 4 location. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development which occurs in close proximity to EGI's pipelines typically triggers class location changes. An annual budget is required for EGI's pipeline system in order to meet the current standard requirements. Remediation includes pressure testing, installation of valves, remediating depth of cover issues, and pipeline replacement. This work ensures EGI is compliant and fosters the safety of the public and EGI's pipeline system.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Transmission Pipe & Underground Storage	Pass	102557	Class Location Replacement Program 2029 - S&T Assets	2037	$	5,272,769	General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS, unless previously designed, tested, operated, and maintained for a Class 4 location. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development which occurs in close proximity to EGI's pipelines typically triggers class location changes. An annual budget is required for EGI's pipeline system in order to meet the current standard requirements. Remediation includes pressure testing, installation of valves, remediating depth of cover issues, and pipeline replacement. This work ensures EGI is compliant and fosters the safety of the public and EGI's pipeline system.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	102767	2026 Dig Program S&T	2026	$	4,797,109	2026 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2025 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Sarnia Area 04 UGL	Div_03 - Sarnia	Transmission Pipe & Underground Storage	Pass	1778	Trafalgar NPS 34 Hamilton-Milton-Centre Rd. Class Location Replacement (Centre Road)	2026	$	4,795,332	Project Specific: Trafalgar NPS 34 Hamilton-Milton-Centre Road - 350m of NPS 34. 2 Roads. Class 2 to 3. General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development occurs in close proximity to EGI's pipelines which triggers annual class location changes; this work ensures EGI is compliant and fosters the safety of the public and the pipeline system.	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	503195	NPS 24 Trafalgar Bypass Retrofit	2027	$	4,362,857	Project-Specific: External Corrosion Direct Assessment (ECDA) to In-Line Inspection (ILI) Program, supporting refinement of pipeline risk profile. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30% Specified Minimum Yield Strength (SMYS). It includes installation costs for permanent ILI tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections Asset: The 1.1km NPS 24 Trafalgar Bypass pipeline connects the NPS 26 Trafalgar pipeline to Kirkwall Custody Transfer Station. It is currently monitored via External Corrosion Direct Assessment (ECDA), which does not provide as complete a data set as In-Line Inspection (ILI) for Integrity Management purposes	Fail	See investment description, IRPAs not applicable
Head Office/All	00 - Head Office	Transmission Pipe & Underground Storage	Pass	746412	Waubuno Pool Gathering Line IAIR Retrofit	2027	$	4,323,611	Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. This first phase of the project was completed last year. TIMP is currently developing plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones. Upsizing of NPS 6 and NPS 8 portions of the gathering line to NPS 12 to facilitate ILI and business development PMOP project	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	102778	2027 Depth of Cover Mitigation Program	2026	$	4,109,801	2027 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2025 Mitigation of depth of cover sites that are out of compliance with CSA Z662 & TSSA requirements. Some of the known sites are discovered during annual Depth of Cover Surveying, while others are reported by company crews when performing maintenance work or by 3rd party . At this time the specific work scope of each year is not defined and this is a blanket program as a placeholder in the budget. The mitigation work will include the construction costs from sites identified and planned for the current year, as well as work on sites that are newly identified. Scope of work can vary from small remediation projects to add fill, concrete or bank stabilization, to short replacement of pipe.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	102770	2029 Dig Program S&T	2029	$	4,061,754	2029 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2025 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	747572	2025 NPS 34 Trafalgar Integrity Digs	2025	$	4,054,218	2025 forecast: ILI digs estimated based on previous years inspection plan. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Transmission Pipe & Underground Storage	Pass	738678	Trafalgar 26 McNiven Rd	2025	$	3,874,741	Project Specific: Trafalgar 26 McNiven Road - Replace 707m NPS 26 General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development occurs in close proximity to EGI's pipelines which triggers annual class location changes; this work ensures EGI is compliant and fosters the safety of the public and the pipeline system.	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	102772	2026 Integrity Dig Program S&T	2026	$	3,781,380	2026 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2025 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	102784	2027 Well Lateral Integrity Program	2027	$	3,607,456	2027 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2023-2025 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools or subject to other integrity verification.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	503024	2024 Waubuno replacement well	2025	$	3,589,980	Issue: The deliverability of the Waubuno pool has declined due to the relines of the injection withdrawal wells UI20, UM20, UI22 and UI25 as well as the abandonment of the well UI30. The well UI20 is in a flood plain which is inaccessible during the spring months. Any response to a well incident would be severely impacted by the condition of the well and access to the well. The proposed abandonment of this will reduce deliverability. This project abandons one well UI20 and drills one 8 5/8-inch well. The new well will offset the reduction of deliverability due to the relines and abandonments. Assets: Waubuno pool and Gathering lines Related Program: Not applicable.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	102773	2027 Integrity Dig Program S&T	2027	$	3,589,517	2027 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2025 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Head Office/All	00 - Head Office	Transmission Pipe & Underground Storage	Pass	736880	Independent Asset Integrity Review (IAIR) - EGDTP	2027	$	3,576,621	Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. This first phase of the project was completed last year. TIMP is currently developing plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	102789	2027 S&T Pipelines Integrity Program	2027	$	3,527,033	2027 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2024 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	1779	Trafalgar NPS 34 Hamilton-Milton-Oldenburg Rd Class Location Replacement (Oldenburg Road)	2025	$	3,490,990	Project Specific: Trafalgar NPS 34 Hamilton-Milton-Oldenburg Road - 70m of NPS 34. Class 2 to 3. General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development occurs in close proximity to EGI's pipelines which triggers annual class location changes; this work ensures EGI is compliant and fosters the safety of the public and the pipeline system.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	102769	2028 Dig Program S&T	2028	$	3,394,564	2026 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2025 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable

Head Office/All	**00 - Head Office**	Transmission Pipe & Underground Storage	**Pass**	**748818**	Bickford Pool Retrofit (IAIR) Core	**2027**	$	3,326,490	Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. This first phase of the project was completed last year. TIMP is currently developing plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones. This Bickford pool project entails L&R, well lateral replacements, tee replacements.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**738985**	Trafalgar NPS 26 Line Lowering - Bear Creek	**2026**	$	3,120,948	Project Specific: Replacement of 2 sections - ~200m in a ditch near Metcalfe St W (Strathroy) & ~145m near Scotchmere Drive & Amiens Road. ProjectWise Link to scope: pw://pwintegration.gtna.gt.ds:TRM_PROD/Documents/Dj09ae5768-d178-455e-8e7d-e1b4ee25e72d) General: Sections of the NPS 26 Trafalgar pipeline have been identified as shallow with depth of cover below the minimum permissble by TSSA. This project will mitigate these areas by lowering the pipeline through these areas. Mitigation of depth of cover sites that are out of compliance with CSA Z662 & TSSA requirements. Some of the known sites are discovered during annual Depth of Cover Surveying, while others are reported by company crews when performing maintenance work or by 3rd party . At this time the specific work scope of each year is not defined and this is a blanket program as a placeholder in the budget. The mitigation work will include the construction costs from sites identified and planned for the current year, as well as work on sites that are newly identified. Scope of work can vary from small remediation projects to add fill, concrete or bank stabilization. to short reolacement of pipe.	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**1787**	Panhandle NPS 16 - South of S Service Rd Class Location Replacement	**2025**	$	2,875,402	Project Specific: Panhandle NPS 16 - South of S Service Rd - 1 km of NPS 16. Extension of 2018 class location project. Class 1 to 2. General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development occurs in close proximity to EGI's pipelines which triggers annual class location changes; this work ensures EGI is compliant and fosters the safety of the public and the pipeline system.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**102794**	2027 Depth of Cover Mitigation Program	**2027**	$	2,792,443	2026 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2024-2025 Mitigation of depth of cover sites that are out of compliance with CSA Z662 & TSSA requirements. Some of the known sites are discovered during annual Depth of Cover Surveying, while others are reported by company crews when performing maintenance work or by 3rd party . At this time the specific work scope of each year is not defined and this is a blanket program as a placeholder in the budget. The mitigation work will include the construction costs from sites identified and planned for the current year, as well as work on sites that are newly identified. Scope of work can vary from small remediation projects to add fill, concrete or bank stabilization, to short replacement of pipe.	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**1784**	Panhandle NPS 16 - Bradley Line Class Location Replacement	**2026**	$	2,724,495	Project Specific: Panhandle NPS 16 - Bradley Line - 700m of NPS 16 through cluster of farm houses/buildings. 1 road crossing. Class 1 to 2. General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development occurs in close proximity to EGI's pipelines which triggers annual class location changes; this work ensures EGI is compliant and fosters the safety of the public and the pipeline system.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**742753**	NPS 16x20 Dow Moore Gathering Core	**2025**	$	2,361,445	Issue/Concern/Opportunity: Dow Moore Gathering had receiver site abandoned after 2016 ILI. Installation of facilities to receive smart tool is required to be able to inspect the pipeline to assess condition. Justification: Required to meet condition monitoring requirements Assets: NPS 16 Dow More Gathering Pipe A, NPS 16 Dow More Gathering Pipe C and NPS 20 Dow More Gathering Pipe B would be inspected following the installation of the receiver facilities. Related Investments: Categorization: # 2 Rationale: New asset to maintain the field lines.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**738797**	LDOW: Meter Station Filter	**2028**	$	2,324,044	Core 47% / Non-Core 53% Issue/Concern/Opportunity: Contaminants can be drawn up out of gas storage pools during the withdrawal phase. These contaminants have the potential to damage or otherwise adversely impact downstream components. An existing underground separator has been found inadequate for this service. Inspection is difficult as it is buried, and it is also known to be susceptible to plugging. This should be removed, and appropriate Separation/Filtration equipment installed to adequately protect piping, instrumentation, and equipment, both at the meter station and downstream as well. Justification: New equipment protects sensitive instrumentation and other downstream components from damage, improving life span, reducing maintenance requirements, and increasing overall process safety. Assets: Dow Meter Station Related Projects: This is similar in nature to the 2021 upgrade at Wilkesport Meter Station, and will align with upcoming modifications at other meter stations in the area.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**740596**	NPS 16, 20 South Mid Kimball Gathering Pipeline Retrofit Core	**2026**	$	2,314,027	Project Specific: Install permanent launcher and receiver facilities prior to next scheduled inspection in 2022. Associated 2022 O&M spend. Installing permanent launcher and receiver facilities saves O&M spend which would otherwise be required to install and remove temporay facilities each inspection cycle. Permanent launcher/receiver facilities also provide a high degree of flexibility with respect to the timing of inspections which leads to system optimization and reduces disruption to normal pipeline operations. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**742234**	LSKC: Meter Station Filter	**2027**	$	2,218,633	Core 70% / Non-Core 30% Issue/Concern/Opportunity: Contaminants can be drawn up out of gas storage pools during the withdrawal phase. These contaminants have the potential to damage or otherwise adversely impact downstream components. An existing underground separator has been found inadequate for this service. Inspection is difficult as it is buried, and it is also known to be susceptible to plugging. This should be removed, and appropriate Separation/Filtration equipment installed to adequately protect piping, instrumentation, and equipment, both at the meter station and downstream as well. Justification: New equipment protects sensitive instrumentation and other downstream components from damage, improving life span, reducing maintenance requirements, and increasing overall process safety. Assets: South Kimball Meter Station Related Projects: To be constructed in conjunction with the Mid-Kimball Meter Station Filter project, as both are within the same fenced area and have common piping elements. Reference Investments: Core: 738801 Non-Core: 738802 This is similar in nature to the 2021 upgrade at Wilkesport Meter Station. and will align with upcoming modifications at other meter stations in the area.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**745620**	California Ave Leak	**2025**	$	2,212,780	Issue/Concern/Opportunity: Leaking orifice meters Justification: to meet GHG emissions reductions Assets: Panhandle	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**741652**	LCOV: Meter Station Filter	**2026**	$	2,158,977	Core 100% Issue/Concern/Opportunity: Contaminants can be drawn up out of gas storage pools during the withdrawal phase. These contaminants have the potential to damage or otherwise adversely impact downstream components. An existing underground separator has been found inadequate for this service. Inspection is difficult as it is buried, and it is also known to be susceptible to plugging. This should be removed, and appropriate Separation/Filtration equipment installed to adequately protect piping, instrumentation, and equipment, both at the meter station and downstream as well. Justification: New equipment protects sensitive instrumentation and other downstream components from damage, improving life span, reducing maintenance requirements, and increasing overall process safety. Assets: Coveny Meter Station Related Projects: This is similar in nature to the 2021 upgrade at Wilkesport Meter Station, and will align with upcoming modifications at other meter stations in the area.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**738426**	LSEC: Meter Station Filter	**2025**	$	2,158,344	Issue/Concern/Opportunity: Contaminants can be drawn up out of gas storage pools during the withdrawal phase. These contaminants have the potential to damage or otherwise adversely impact downstream components. An existing underground separator has been found inadequate for this service. Inspection is difficult as it is buried, and it is also known to be susceptible to plugging. This should be removed, and appropriate Separation/Filtration equipment installed to adequately protect piping, instrumentation, and equipment, both at the meter station and downstream as well. Justification: New equipment protects sensitive instrumentation and other downstream components from damage, improving life span, reducing maintenance requirements, and increasing overall process safety. Assets: Seckerton Meter Station Related Projects: This is similar in nature to the 2021 upgrade at Wilkesport Meter Station, and will align with upcoming modifications at other meter stations in the area.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
Waterloo Area 07 UGL	**Div_07 - Waterloo**	Transmission Pipe & Underground Storage	**Pass**	**738677**	Trafalgar 42 Saxton Rd	**2024**	$	2,152,634	Project Specific: Trafalgar NPS 42 - Saxton Road - Replace 235m NPS 42. General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development occurs in close proximity to EGI's pipelines which triggers annual class location changes; this work ensures EGI is compliant and fosters the safety of the public and the pipeline system.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**738801**	LMKC: Meter Station Filter	**2027**	$	2,123,549	Core 67% / Non-Core 33% Issue/Concern/Opportunity: Contaminants can be drawn up out of gas storage pools during the withdrawal phase. These contaminants have the potential to damage or otherwise adversely impact downstream components. An existing underground separator has been found inadequate for this service. Inspection is difficult as it is buried, and it is also known to be susceptible to plugging. This should be removed, and appropriate Separation/Filtration equipment installed to adequately protect piping, instrumentation, and equipment, both at the meter station and downstream as well. Justification: New equipment protects sensitive instrumentation and other downstream components from damage, improving life span, reducing maintenance requirements, and increasing overall process safety. Assets: Mid-Kimball Meter Station Related Projects: This is similar in nature to the 2021 upgrade at Wilkesport Meter Station, and will align with upcoming modifications at other meter stations in the area.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**746408**	NPS 36 Great Lakes Dawn to TCPL Retrofit	**2025**	$	2,108,391	Issue/Concern: General concern: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent in-line inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, repair and replacement of pipeline segments with integrity issues that are identified through the inspections. The NPS 36 Dawn TCPL pipeline has recently be reclassified as a pipeline asset. as such it requires inspection per the Transmission Integrity Management program. Retrofit and inspection of this line is being prioritized due to its hazard susceptibility and assessed risk through the TIMP risk model Assets: NPS 36 Dawn TCPL Related Programs: Transmission Integrity Management Program (TIMP) Scope/Class 5: pw://pwintegration.gtna.gt.ds:TRIM_PROD/Documents/P{ed6be0e2-b766-4b4a-9bd8-75f2610cc648}/	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**735995**	Black Creek A1 Observation well	**2027**	$	1,960,140	Issue/Concern/Opportunity: The storage pool pressure at the Black Creek pool is monitored by a Guelph formation observation well. This well's pressure is monitored and recorded continuously. and represents an inventory by the pools specific Pressure/inventory ratio. These pressures/inventories are compared to daily metered gas injections and withdrawals from the pool to perform an annual inventory verification. All discrepancies arising from this verification must be investigated. Assets: This project drills one dual completion A1 - Guelph observation well in the Black Creek pool DSA. The well will be a 5 1/2" production casing, cemented at least 20m into the A1 formation and perforated in the A1 formation. Pressures from this well will be conveyed to the SCADA system for continuous monitoring and recording. These pressures will be assessed on an ongoing basis and during inventory verifications to confirm structural integrity of the Black Creek storage pool. Any increase in pressure would be proof of gas migration to the A1 formation. Related Program: Well Casing Inspection, Maintenance and Replacements	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**742747**	Ladysmith Gathering and Transmission Retrofit	**2025**	$	1,925,873	Issue/Concern/Opportunity NPS 20 Ladysmith Transmission and Gathering Lines have had partial retrofits completed previously but are not ready for next inspection scheduled for 2026. Scope includes connecting the gathering and transmission lines through Ladysmith Metering Station and adding a permanent receiver at Tecumseh Justification: Required for scheduled Condition Monitoring Assets: \\Egd.enbridge.com\vpc\DEPTS\GSTS Integrity\Condition Monitoring\EGS\NPS 20 Ladysmith Transmission\2026\2 - Asset information\Retrofits\Integrity Retrofit Scope - NPS 20 Ladysmith Transmission and Gathering.xlsx" Related Investments:	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**740595**	NPS 24 Mid Kimball Transmission Pipeline Retrofit - Core	**2025**	$	1,904,391	Project Specific: Install permanent launcher and receiver facilities prior to next scheduled inspection in 2022. Associated 2022 O&M spend. Installing permanent launcher and receiver facilities saves O&M spend which would otherwise be required to install and remove temporary facilities each inspection cycle. Permanent launcher/receiver facilities also provide a high degree of flexibility with respect to the timing of inspections which leads to system optimization and reduces disruption to normal pipeline operations. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**102768**	2027 Dig Program S&T	**2027**	$	1,792,238	2027 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2025 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of EGI's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
Head Office/All	**00 - Head Office**	Transmission Pipe & Underground Storage	**Pass**	**742690**	Mid and South Kimball Well Lateral Retrofits (IAIR) - Core	**2025**	$	1,740,789	Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. This first phase of the project was completed last year. TIMP is currently developing plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**742750**	Transmission A Retrofit- Receiver	**2025**	$	1,735,908	Issue/Concern/Opportunity: Installation of receiver barrel at Dawn. Scope was not completed as part of the core projects work. Justification: required for next condition monitoring cycle in 2026 Assets:\Egd.enbridge.com\vpc\DEPTS\GSTS Integrity\Condition Monitoring\EGS\NPS 30 Transmission Line A and B\ILI 2026 Line A\2 - Asset information\Retrofits\Integrity Retrofit Scope - NPS 30 Transmission A.xlsx" Related Investments: N/A	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	**Div_07 - Waterloo**	Transmission Pipe & Underground Storage	**Pass**	**741978**	Trafalgar NPS 26 Line Lowering - Marthaville	**2026**	$	1,364,798	Project-Specific: Replacement of 6 sections (1.3 km, 0.5 km, 0.2 km, two small depth-of-cover areas, and a stream crossing) of NPS 26 of the Trafalgar Lines due to depth-of-cover issues found. General: Sections of the NPS 26 Trafalgar pipeline have been identified as shallow with depth of cover below the minimum permissible by TSSA. This project will mitigate these areas by lowering the pipeline through these areas. There will be two to three segments lowered within the Galt Gate-Kirkwall segment. Mitigation of depth-of-cover sites that are out of compliance with CSA Z662 and TSSA requirements will be necessary. Some of the known sites are discovered during annual Depth of Cover Surveying, while others are reported by company crews when performing maintenance work or by a third party. At this time, the specific work scope of each year is not defined and this is a blanket program as a placeholder in the budget. The mitigation work will include the construction costs from sites identified and planned for the current year, as well as work on sites that are newly identified. Scope of work can vary from small remediation projects to add fill, concrete or bank stabilization, to short replacement of pipe.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**748758**	NPS 20 South Mid Kimball Temporary Repair Removal (Replacement)	**2026**	$	1,346,330	2026 forecast: replace pipe that was repaired with a temporary sleeve in 2023 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable

STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**736824**	Terminus Pool Well Lateral Retrofit	**2025**	$	1,321,282	This investment is required to retrofit the Terminus gathering system to allow for inline inspection of each specified pipe segment. ILI technology is used to monitor/assess specific conditions to establish the fitness for service of pipe assets removing uncertainly associated with ECDA or other direct assessment methods. Mitigation of uncertainly in fitness for service assessment was identified as part of the Dynamic Risk Independent Asset Integrity Review. Asset Overview Terminus Gathering UT8 • Replace existing 8" valve with 10" valve and replace reducer with 10" pipe. • Replace NPS 10 well lateral RT5 • Replace existing 8" valve with 10" valve and replace reducer with 10" pipe • Replace the NPS 10 well lateral UT9 • Replace existing 8" valve with 10" valve and replace reducer with 10" pipe • Replace the NPS 10 well lateral R4 •Replace a segment of the NPS 12 well lateral R2 •This well lateral is to be abandoned and removed	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**748991**	NPS 12 156 Pool D252 Ditch Crossing Replacement	**2027**	$	1,305,963	Project Specific: Integrity retrofit to replace the road crossing portion of the NPS 12 156 Pool Well Lateral – UD252. Pipeline was unable to be fully inspected at the time of last ILI due to back-to-back fittings as well as the accumulation of debris due to the current configuration General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
Head Office/All	**00 - Head Office**	Transmission Pipe & Underground Storage	**Pass**	**742684**	Waubuno Well Lateral IAIR Retrofits	**2025**	$	1,280,635	Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. This first phase of the project was completed last year. TIMP is currently developing plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**1788**	Panhandle NPS 20 - N Talbot Road Class Location Replacement	**2026**	$	1,225,860	Project Specific: Panhandle NPS 20 - N Talbot Road - 70m NPS 20 Road crossing. Class 1 to 2. General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development occurs in close proximity to EGI's pipelines which triggers annual class location changes; this work ensures EGI is compliant and fosters the safety of the public and the pipeline system. Work completed in 2022: -Directional drill design -Pipeline materials procured -Surveying work -Archaeology -Geotechnical - Tiling Work remaining in 2023 (if possible, which is unclear because of the amount of work happening on the Panhandle system): -Execution of directional drill -Landowner tiling -Pipeline tie-ins -Another round of permits. including HONI	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	**Div_07 - Waterloo**	Transmission Pipe & Underground Storage	**Pass**	**738679**	Trafalgar 48 Mc Niven Rd	**2025**	$	1,076,317	Project Specific: Trafalgar 48 McNiven Road - Replace 32m NPS 48 General: Annual Class Location surveys are required as per the Canadian Standards Association Z662 – Oil and Gas Pipeline Systems for pipelines greater than 30 per cent SMYS. Any changes in class location need to be assessed to the current standard to determine if pipeline modifications are required. Urban development occurs in close proximity to EGI's pipelines which triggers annual class location changes; this work ensures EGI is compliant and fosters the safety of the public and the pipeline system.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**102797**	2029 Depth of Cover Mitigation Program	**2029**	$	1,074,022	2029 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2024-2025 Mitigation of depth of cover sites that are out of compliance with CSA Z662 & TSSA requirements. Some of the known sites are discovered during annual Depth of Cover Surveying, while others are reported by company crews when performing maintenance work or by 3rd party . At this time the specific work scope of each year is not defined and this is a blanket program as a placeholder in the budget. The mitigation work will include the construction costs from sites identified and planned for the current year, as well as work on sites that are newly identified. Scope of work can vary from small remediation projects to add fill, concrete or bank stabilization, to short replacement of pipe.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**102796**	2028 Depth of Cover Mitigation Program	**2028**	$	897,601	2028 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2024-2025 Mitigation of depth of cover sites that are out of compliance with CSA Z662 & TSSA requirements. Some of the known sites are discovered during annual Depth of Cover Surveying, while others are reported by company crews when performing maintenance work or by 3rd party . At this time the specific work scope of each year is not defined and this is a blanket program as a placeholder in the budget. The mitigation work will include the construction costs from sites identified and planned for the current year, as well as work on sites that are newly identified. Scope of work can vary from small remediation projects to add fill, concrete or bank stabilization, to short replacement of pipe.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**742986**	TRS: SOM-TCPL Isolation	**2028**	$	889,068	Issue/Concern/Opportunity: Three valves associated with the Sombra to TCPL and TSLE transmission piping are beyond the end of their anticipated service life and may not be functioning adequately. These valves provide isolation and overpressure protection functionality for the associated piping system. Justification: Overpressure protection valves are designed to close and protect connected piping systems to prevent maximum operating pressures from being exceeded. A malfunctioning overpressure protection valve is a process safety hazard. Malfunctioning isolation valves prevent process piping from being adequately isolated as intended, and as per process hazard assessments (PHA) conducted at the time of design. Ensuring valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: 160-XV-001 160-XV-002 160-XV-003	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**735747**	Ennisksillen Well Laterals Retrofit	**2028**	$	839,106	Project Specific: ECDA to ILI program, supporting refinement of pipeline risk profile. Associated 2027 O&M spend for ILI. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**734923**	Oil Springs East Gathering System	**2026**	$	830,337	Project Specific: ECDA to ILI program, supporting refinement of pipeline risk profile. Associated 2027 O&M spend for ILI. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections. Link to scope in ProjectWise: pw://pwintegration.gtna.gt.ds:TRM_PROD/Documents/P{f139cda8-4935-4324-8c4f-5e2ab9e842ce}/	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**742849**	BSEC:K501-Upgrade for Blowdown Recovery	**2027**	$	723,802	Issue/Concern/Opportunity Blowdown Recovery does not exist at SCOR. There is only a flare with limited flow capacity. When pipelines need to be de-gassed for hot work repairs or tie-ins, the current practice is to recover pipeline gas as low as possible using main process compressors. This gets pipeline gas down to 200 to 300 psig. Once pipeline pressure is reduced to the greatest extent possible, remaining gas can be flared - but this usually takes days and the gas is often vented to atmosphere to accommodate project schedules. Another concern is that GHG emission regulations are tightening further in 2026. A practical, high flow capacity solution is needed to be able to recover gas rather than vent to atmosphere. Justification Demonstrably lower GHG released to atmosphere. Proactive environmental improvement. Assets BSEC:K501 Related Investments N/A	Fail	See investment description, IRPAs not applicable

STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	734896	Bickford Pool Gathering System 2027 ECDA to ILI	2027	$	682,665	Project Specific: ECDA to ILI program, supporting refinement of pipeline risk profile. Associated 2028 O&M spend for ILI. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections. Link to scope in ProjectWise: pw://pwintegration.gtna.gt.ds:TRM_PROD/Documents/D{3d7d3327-df69-4180-9785-4bceb6117cba}	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	48708	Gas Chromatograph Replacement	2025	$	624,580	Obsolescence - The 700 series GCs were installed starting in 2005 and were found to be problematic so a switch back to the 570 series was implemented going forward. Eventually, the 700 series has become unsupported by the manufacturer. Dawn techs have been repairing with salvaged parts but it is getting difficult to keep them in service. Individual project investments will be created. Stations to be upgraded: 4749 - 10G-310 Bentpath East/Booth Creek - 11H-402 Bentpath/Rosedale - 11H-401 Bluewater/Airport/Mandaumin - 13G-503 Dawn South - 10G-302 Dow A - 13F-602 Enniskillen - 11G-203 Sombra/St. Clair - 10F-103 Waubuno - 11G-102 Vector Courtright - 11F-108	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743058	P_DOW-160-XV-001 - Field Isolating Valve Replacement	2029	$	520,592	Issue/Concern/Opportunity: Field Isolation Valve (NPS 24) has reached estimated end of life Justification:Valves at end of life can leak, preventing safe and efficient isolation, unpredictable operation Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743074	LSEC: 160-ESV-002 Replace	2031	$	487,965	Issue/Concern/Opportunity: 160-ESV-002 Emergency Shutdown Valve at Seckerton Meter Station has reached the end of its anticipated service life and may not be functioning adequately. Justification: Emergency Shutdown Valves are designed to close and isolate connected piping in an emergency scenario. A malfunctioning ESV is a potential process safety hazard. Malfunctioning isolation valves prevent process piping from being adequately isolated as intended, and as per process hazard assessments (PHA) conducted at the time of design. Ensuring valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: 160-ESV-002 Related Investments: Due to the physical proximity between XV-001, ESV-003, and ESV-002, the excavated area is likely to - at least partially - encompass the adjacent valves. Replacing these valves as part of a single effort would result in efficiencies across all three projects and potentially significant cost savings. Similar investments for XV-001 & ESV-003 have been created.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743076	LSEC: 160-ESV-003 Replace	2031	$	487,965	Core: 35% / Non-Core: 65% Issue/Concern/Opportunity: 160-ESV-003 Emergency Shutdown Valve at Seckerton Meter Station has reached the end of its anticipated service life and may not be functioning adequately. Justification: Emergency Shutdown Valves are designed to close and isolate connected piping in an emergency scenario. A malfunctioning ESV is a potential process safety hazard. Malfunctioning isolation valves prevent process piping from being adequately isolated as intended, and as per process hazard assessments (PHA) conducted at the time of design. Ensuring valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: 160-ESV-003 Related Investments: Due to the physical proximity between XV-001, ESV-003, and ESV-002, the excavated area is likely to - at least partially - encompass the adjacent valves. Replacing these valves as part of a single effort would result in efficiencies across all three projects and potentially significant cost savings. Similar investments for XV-001 & ESV-002 have been created.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743064	P_MKC-160-XV-002 - Gathering Line Isolating Valve 'B' Replacement	2026	$	479,711	Issue/Concern/Opportunity: Gathering Line Isolation Valve (NPS 20) has reached estimated end of life Justification:Valves at end of life can leak, preventing safe and efficient isolation, unpredictable operation Assets: Related Investments:	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743065	P_MKC-160-XV-003 - Gathering Line Isolating Valve 'C' Replacement	2026	$	479,711	Issue/Concern/Opportunity: Gathering Line Isolation Valve (NPS 20) has reached estimated end of life Justification:Valves at end of life can leak, preventing safe and efficient isolation, unpredictable operation Assets: Related Investments:	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743066	P_MKC-160-XV-004 - Gathering Line Isolating Valve 'D' Replacement	2026	$	479,711	Issue/Concern/Opportunity: Gathering Line Isolation Valve (NPS 20) has reached estimated end of life Justification:Valves at end of life can leak, preventing safe and efficient isolation, unpredictable operation Assets: Related Investments:	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743062	P_SKC-160-XV-001 - Field Isolating Valve 'A' Replacement	2027	$	459,548	Issue/Concern/Opportunity: Field Isolation Valve (NPS 20) has reached estimated end of life Justification:Valves at end of life can leak, preventing safe and efficient isolation, unpredictable operation Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	102418	Rectifier Ground Bed Replacement Program	2026	$	446,377	General: The corrosion program includes the expenditure other than anodes required to reduce the amount of down plant within EGD's storage system. These installations and replacements are based on the requirement in the Company's Construction & Maintenance Manual to maintain the appropriate level of cathodic protection on steel pipeline assets. Individual projects will be set up to use these program dollars based on identification of rectifier and groundbed sites by the Corrosion group.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	6376	LCRW:Wells-Upgrade	2029	$	429,777	*Issue/Concern*: Wells at Crowland are much older than other wells in EGS. Due to age, the wells were constructed to a production standard which would normally be retired after 10 years. Instead, the wells were converted to Storage service in the early 1970's and continue to operate ever since. Many wells have been relined, increasing the risk of leaks. Most wells possess only two casings - the current standard requires a minimum of three. The two-casing design at Crowland is comprised of an inner casing that runs from the surface to the reservoir (about 225m) plus a surface casing that runs from the surface to a depth of about 20m. Most wells do not have an intermediate casing with cement between the inner and intermediate casings, however, there is cement between the inner casing and the surrounding rock. This provides a poor barrier to gas flow should the inner casing fail. In addition, none of the wells at Crowland employ wellheads and master valves. Instead, the inner casing is simply connected to a flanged 1/4 turn valve without wing valves or wellhead vents. The surface casing is separated from the surface using cement. There are no casing vents and part of the inner casing (typically a length of 2 to 16 inches) is exposed at the surface. The lack of casing vents eliminates normal approaches to controlling a failed well. Ventlogs have been performed in the last 5 years, and indicated that the inner casing integrity is adequate, although two of 26 wells needed to be abandoned. Currently, there are 24 wells remaining. Bond logs have not been performed yet to determine the condition of cement at sulphur layers. Primary concerns are: (1) Code compliance of the wells and wellheads. Technically, these wells were constructed before CSA Z341 came into force, and are grandfathered. However, a well failure would likely be viewed negatively by technical regulators. (2) Risk to employees and the public - in the event of a loss of containment, there are insufficient barriers to gas flow. Public risk also extends to possible sulphur contamination of well water at surface levels. In addition to the wells, much of the gathering system is as old as the wells. The gathering system is operating at <30% SMYS, which means that they have not be considered for integrity inspections until recently and that the gathering system pipe condition is unknown after 50 to 100 years of operation. *Asset*: Crowland wells and gathering system. *Related Programs*/BCs: PCRW:Wells-Upgrade. This risk is under consideration in conjunction with an overall Crowland upgrade program - MCRW:Storage-Renewal. Issues related to the wells and gathering system should be considered together with other additional compressor station issues/concerns.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	749059	STO Anode rectifier repair	2026	$	425,091	installation of anodes and rectifier repairs as identified in the 2025 survey	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	736408	156 Storage Pool Gathering System Retrofits	2027	$	408,205	Install Stopples, Sandwich Valves and TORs to allow the inline inspection of 156 Pool gathering system. 156 Pool is a critical asset and it not currently being monitored for all applicable integrity hazards. The inspection for this system is planned in 2028. Project Wise Link: pw://pwintegration.gtna.gt.ds:TRM_PROD/Documents/D{843d96b6-3fd3-471c-962a-4b8c3fce87a5}	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	734891	Bentpath Pool Gathering Pipeline System Retrofit	2029	$	401,735	Project Specific: ECDA to ILI program, supporting refinement of pipeline risk profile. Associated 2026 O&M spend for ILI. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections. Link to scope in ProjectWise: pw://pwintegration.gtna.gt.ds:TRM_PROD/Documents/D{b43af49c-73c9-4c53-a8c0-dfceb8e197d8}	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	102417	Rectifier Ground Bed Replacement Program	2026	$	392,784	General: The corrosion program includes the expenditure other than anodes required to reduce the amount of down plant within Union's system. These installations and replacements are based on the internal Standard Operating Practice established to maintain the appropriate level of cathodic protection on steel pipeline assets. Individual projects will be set up to use these program dollars based on identification of rectifier and groundbed sites by the Corrosion group.	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	742269	Well Lock block and fence Program	2026	$	392,564	Vehicle traffic poses a risk to the safety and integrity of the storage well and storage operations. In CSA Z341.1, S 4.3 states that " Where storage facilities are exposed to hazards such as vehicular traffic, ……., the facilities shall be protected from accidental damage using distance or barricades or both." Cement lock blocks have been determined to help mitigate any impact between a personal or farm vehicle and the storage wellhead. This program will finish installing install 4 lock blocks and fences around 6-8 wells a year until the entire legacy Union Gas wells are protected. Starting in 2025 this project will replace 10 barricade fences on a yearly basis with a chain link fence.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	48735	Well Lifecycle Replacement-LUG	2036	$	372,473	Issue/Concern: This project is intended to recover lost design day deliverability due to well relines and abandonments. The deliverability of the new well is not intended to increase but maintain the deliverability. This project will drill one new vertical injection/withdrawal well and connect it to the existing gathering system of the desired pool. Asset: Wells Related Program: N/A	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743056	P_COV-151-HV-022 - Gathering Line Isolating Valve Replacement	2027	$	344,661	Issue/Concern/Opportunity: Gathering Line Isolation Valve (NPS 16) has reached estimated end of life Justification:Valves at end of life can leak, preventing safe and efficient isolation, unpredictable operation Assets: Related Investments:	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	747026	Wilkesport Gathering TW1 Retrofit	2026	$	342,790	Issue/Concern/Opportunity Wilkesport gathering lateral TW1 is in plan for 2025 in-line inspection. A records review ahead of execution has identified a 2 diameter change in the riser to the well lateral (NPS6 to NPS 10). This configuration will not permit passage of an ILI tool. Scope involves the placement of approximately 5 m of NPS 6 pipe iwth NPS 10 and an NPS 10 full port ball valve. Justification: Required for scheduled Condition Monitoring	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	742937	High Performance Coating	2025	$	334,783	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	741036	PDOW:TD30 Drill	2030	$	319,123	This project drills and commissions one new well (TD30) in the Dow pool. Well abandonments resulting from the Leaking and Relined well replacement programs have diminished the flow capacity of the Dow reservoir by 60% . The drilling of the new wells TD 28 and TD 29 in 2019 has recovered 53% of the lost deliverability with the pool deliverability currently at 72% of the pre abandonment deliverability. The drilling of the two proposed wells, TD30 and TD31, is designed to recover the remaining lost deliverability. Deliverability reduction of this magnitude increases CSAT risk dramatically. *Asset*: Dow Moore reservoir (Wells and Well Equipment asset program) and gathering system (Field Lines asset program). *Related Programs*/BCs: Installation of wells is performed by the reservoir group (Wells and Well Equipment asset program), installation of laterals is performed by the project execution group (Field Lines asset program). This separation is based on skill set and qualifications. There is a programmatic time dependence between the two asset programs. Investments 741039 & 741038 are the associated pipeline investments for this project.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	741037	PDOW:TD31 Drill	2030	$	319,123	This project drills and commissions one new well (TD31) in the Dow pool. Well abandonments resulting from the Leaking and Relined well replacement programs have diminished the flow capacity of the Dow reservoir by 60% . The drilling of the new wells TD 28 and TD 29 in 2019 has recovered 53% of the lost deliverability with the pool deliverability currently at 72% of the pre abandonment deliverability. The drilling of the two proposed wells, TD30 and TD31, is designed to recover the remaining lost deliverability. Deliverability reduction of this magnitude increases CSAT risk dramatically. *Asset*: Dow Moore reservoir (Wells and Well Equipment asset program) and gathering system (Field Lines asset program). *Related Programs*/BCs: Installation of wells is performed by the reservoir group (Wells and Well Equipment asset program), installation of laterals is performed by the project execution group (Field Lines asset program). This separation is based on skill set and qualifications. There is a programmatic time dependence between the two asset programs.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743057	P_COR-160-HV-001 - Field Isolating Valve Replacement	2029	$	312,355	Issue/Concern/Opportunity: Gathering Line Isolation Valve (NPS 16) has reached estimated end of life Justification:Valves at end of life can leak, preventing safe and efficient isolation, unpredictable operation Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	102564	STO STORAGE WELL UPGRADES 2026-LUG	2026	$	306,785	Casing inspection logs are completed on a prescribed basis as per Canadian Standards Association Z341 Storage of Hydrocarbons in Underground Formations. The storage well upgrades is an integrity project includes remediation requirements as a result of the casing inspection log. This project addresses any issues arising from the casing inspection log results and inspections of the storage wells in legacy Union Gas. The remediation may range from a well reline to a new wellhead or both with pressure testing of the well afterward.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	749074	NPS 26 Trafalgar Hyde Park to Wonderland Line Lowering (Site 783)	2025	$	289,587	Site with less than 60 cm of cover in agricultural lands Mitigation of depth of cover sites that are out of compliance with CSA Z662 & TSSA requirements. Some of the known sites are discovered during annual Depth of Cover Surveying, while others are reported by company crews when performing maintenance work or by 3rd party . At this time the specific work scope of each year is not defined and this is a blanket program as a placeholder in the budget. The mitigation work will include the construction costs from sites identified and planned for the current year, as well as work on sites that are newly identified. Scope of work can vary from small remediation projects to add fill, concrete or bank stabilization, to short replacement of pipe.	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	749075	NPS 26 Trafalgar Line Lowering Melbourne Line (Site 12)	2025	$	289,587	Site with less than 60 cm of cover in agricultural lands Mitigation of depth of cover sites that are out of compliance with CSA Z662 & TSSA requirements. Some of the known sites are discovered during annual Depth of Cover Surveying, while others are reported by company crews when performing maintenance work or by 3rd party . At this time the specific work scope of each year is not defined and this is a blanket program as a placeholder in the budget. The mitigation work will include the construction costs from sites identified and planned for the current year, as well as work on sites that are newly identified. Scope of work can vary from small remediation projects to add fill, concrete or bank stabilization, to short replacement of pipe.	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	102565	STO STORAGE WELL UPGRADES 2027-LUG	2027	$	287,474	Casing inspection logs are completed on a prescribed basis as per Canadian Standards Association Z341 Storage of Hydrocarbons in Underground Formations. The storage well upgrades is an integrity project includes remediation requirements as a result of the casing inspection log. This project addresses any issues arising from the casing inspection log results and inspections of the storage wells in legacy Union Gas. The remediation may range from a well reline to a new wellhead or both with pressure testing of the well afterward.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	745976	Enniskillen 36 Inch Valve Replace	2026	$	277,047	62% Core / 38% Non-Core Issue/Concern/Opportunity: A 36"-600# ball valve required for isolation at the Enniskillen valve site (11H-301V) is reported to be bypassing and is in need of replacement. Ref. WO#: 40247873 Justification: Inability to properly isolate the associated piping may result in unsafe processes. An increase to maintenance costs, and increased environmental impact are to be expected, due to additional venting/blowdown requirements during regular maintenance and repair/upkeep. Ensuring isolation valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: Valve Tag: 32-99-32 Related Investments:	Fail	See investment description, IRPAs not applicable

STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**102567**	STO STORAGE WELL UPGRADES 2028-LUG	**2028**	$	276,364	Casing inspection logs are completed on a prescribed basis as per Canadian Standards Association Z341 Storage of Hydrocarbons in Underground Formations. The storage well upgrades is an integrity project includes remediation requirements as a result of the casing inspection log. This project addresses any issues arising from the casing inspection log results and inspections of the storage wells in legacy Union Gas. The remediation may range from a well reline to a new wellhead or both with pressure testing of the well afterward.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**744967**	STO: Bentpath Tanks Replace	**2028**	$	268,611	Issue/Concern/Opportunity: Existing liquids storage/drip tanks at the Bentpath East Booth Creek and Bentpath Rosedale storage sites are only single walled and need to be replaced with double wall equivalents. Justification: Industry codes and best practices require double walled tanks in this application. A risk of spill (environmental) is high with singled walled tanks. Especially older tanks where corrosion may be present. Assets: STOR-BEBC-MECH-SITK-DRIP1 STOR-BPRD-MECH-SITK-DRIP Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**102568**	STO STORAGE WELL UPGRADES 2029-LUG	**2029**	$	267,811	Casing inspection logs are completed on a prescribed basis as per Canadian Standards Association Z341 Storage of Hydrocarbons in Underground Formations. The storage well upgrades is an integrity project includes remediation requirements as a result of the casing inspection log. This project addresses any issues arising from the casing inspection log results and inspections of the storage wells in legacy Union Gas. The remediation may range from a well reline to a new wellhead or both with pressure testing of the well afterward.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**747580**	2025 NPS 16 Wilkesport Integrity Digs	**2025**	$	266,615	2025 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2025 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline seaments with intearity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**744968**	TRAN: Ojibway Tanks Replace	**2029**	$	260,296	Issue/Concern/Opportunity: Existing liquids storage/drip tanks at the Ojibway Measurement Station are only single walled and need to be replaced with double wall equivalents. Justification: Industry codes and best practices require double walled tanks in this application. A risk of spill (environmental) is high with singled walled tanks. Especially older tanks where corrosion may be present. Assets: TRAN-PANH-OJIB-SITK-DRIP1 TRAN-PANH-OJIB-SITK-DRIP2 Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**743364**	Ojibway RTU Upgrade and PLC Addition	**2028**	$	257,499	Issue/Concern/Opportunity: The existing 3330 RTU's require updating to current standards as they are no longer supported. In conjunction with the RTU upgrade to FB3000's, a PLC should be added to the station. Justification: Standard configuration is to use a PLC to control the pool valves, where this site is currently using an RTU. Assets: Related Investments: N/A	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**9548**	PM:STORAGE WELL UPGRADES 2026-LEG	**2026**	$	242,436	*Issue/Concern* Annual vertilog inspections are performed to assess storage well casing corrosion. Corroded casing must be addressed in accordance with CSA Z341 Standard as adopted by the Oil, Gas & Salt Resources Act (MNR requirement). If the corrosion exceeds the allowable Legislated threshold then: 1 – If the corrosion is found within the first 2 casing joints it may be possible to repair the casing. This saves the well and some of the deliverability it offers the gathering system. Historically, multiple back-offs (as many as three) have been performed in a single year, however, the average frequency of occurrence is 1 per year. 2 - abandon the well and rehabilitate the site - the deliverability associated with the well will be lost - if the loss is significant a new well will have to be drilled. 3 - isolate (plug) the well - lose deliverability associated with the well. Per OGSRA a well can be suspended for a maximum of one year, at which point it must be repaired or abandoned. Historically at least one casing replacement is required annually. Affected asset will inherently be in poor condition. Continuing to operate a well determined to exceed code prescribed corrosion limits risks action from the MNRF and exposing employees and the public to leaks and lack of containment. *Assets* Wells. *Related Program* Not Applicable	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**744014**	St Mary's Take-Off Site, Insulating Joint Removal	**2025**	$	237,039	Issue/Concern/Opportunity: There is a leaking insulating joint on the above grade crossover connecting the four Trafalgar lines. Due to the nature of this fitting and where it's located on the header, it can't be easily taken out and repaired (the fitting is welded in place). Cathodic protection is no longer required at that location. Best course of action would be to cut out the fitting and replace it with a spool piece. Justification: There is potential of this leak getting worse. Removing this fitting will improve the integrity and reliability of this system. Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**749353**	Pipeline Investigation Tool Cleaning Facility	**2025**	$	232,924	Issue/Concern/Opportunity: Current Tool Cleaning equipment is +25 years old and is too small for the current generation of cleaning and investigative tools being run in STO pipe. Justification: Multiple tool runs scheduled by Enbridge Integrity will stress current equipment and result in additional time spent trying to clean the tool Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**9549**	PM:STORAGE WELL UPGRADES 2027-LEG	**2027**	$	229,259	*Issue/Concern* Annual vertilog inspections are performed to assess storage well casing corrosion. Corroded casing must be addressed in accordance with CSA Z341 Standard as adopted by the Oil, Gas & Salt Resources Act (MNR requirement). If the corrosion exceeds the allowable Legislated threshold then: 1 – If the corrosion is found within the first 2 casing joints it may be possible to repair the casing. This saves the well and some of the deliverability it offers the gathering system. Historically, multiple back-offs (as many as three) have been performed in a single year, however, the average frequency of occurrence is 1 per year. 2 - abandon the well and rehabilitate the site - the deliverability associated with the well will be lost - if the loss is significant a new well will have to be drilled. 3 - isolate (plug) the well - lose deliverability associated with the well. Per OGSRA a well can be suspended for a maximum of one year, at which point it must be repaired or abandoned. Historically at least one casing replacement is required annually. Affected asset will inherently be in poor condition. Continuing to operate a well determined to exceed code prescribed corrosion limits risks action from the MNRF and exposing employees and the public to leaks and lack of containment. *Assets* Wells. *Related Program* Not Applicable	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**741648**	LLAD: Meter Station Filter	**2030**	$	229,060	Core 88% / Non-Core 12% Issue/Concern/Opportunity: Contaminants can be drawn up out of gas storage pools during the withdrawal phase. These contaminants have the potential to damage or otherwise adversely impact downstream components. An existing underground separator has been found inadequate for this service. Inspection is difficult as it is buried, and it is also known to be susceptible to plugging. This should be removed, and appropriate Separation/Filtration equipment installed to adequately protect piping, instrumentation, and equipment, both at the meter station and downstream as well. Justification: New equipment protects sensitive instrumentation and other downstream components from damage, improving life span, reducing maintenance requirements, and increasing overall process safety. Assets: Ladysmith Meter Station Related Projects: This is similar in nature to the 2021 upgrade at Wilkesport Meter Station. and will alian with upcoming modifications at other meter stations in the area.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
Head Office/All	**00 - Head Office**	Transmission Pipe & Underground Storage	**Pass**	**736881**	Independent Asset Integrity Review (IAIR) - UGTP	**2027**	$	223,443	Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. This first phase of the project was completed last year. TIMP is currently developing plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**735770**	A1 observation program-LEG	**2029**	$	219,898	Issue/Concern: Observation wells are required pursuant to Section 7.5 of CSA Z341 – Storage of hydrocarbons in underground formations . The observation well will monitor gas content and pressure in the underground storage area which will assist with the continued safe and reliable delivery of natural gas to our existing and future customers. Section 7.5: "Observation wells shall be incorporated into the storage facility and shall monitor pressures and the presence of hydrocarbons within the storage zone and associated permeable zones. The location and design of the observation well shall take into consideration: (a) locations within the storage zone that are suitable for monitoring reservoir pressures; (b) potential migratory paths from the reservoir to another formation; (c) fluid interface monitoring at the location of the spill point; (d) permeable zones and stratigraphic traps above the storage zone; and (e) low-permeability zones or formations adjacent to and in communication with" In addition, interpretations of the latest reservoir simulations indicate that the A-1 sucrosic dolomite may extend beyond the geographical edge of some DSAs. The DSA boundary protects the reef from any unwanted drilling by a third party. If the A-1 does, in fact, extend beyond the DSA boundary, a third party could receive permission to drill and if they penetrated the A-1 sucrosic they would be connected to the associated reef. EGD would then be forced to extend the DSA boundary and include, or buy out, the 3rd party. While the seismic provides a good interpretation of the A-1 it is not definitive and the only way to fully determine if the A-1 sucrosic is located beyond the boundary of the DSA is to drill a well. Mitigation of this risk will protect EGD's rights to the associated reservoir facility. Finally, the A1 Observation wells were originally proposed as a means to verify the integrity of the reservoir boundaries and demonstrate the relationship of low permeability zones to LUF. EGD receives rate recovery on LUF, and A1 zones were considered a potential means by which gas was leaking out of the reservoirs or becoming trapped, thereby creating LUF. The issue is that EGI must continue to investigate causes of LUF in order to argue for cost recovery from rates. This program drills one A1 well per year for 9 years. There are currently no A1 observation wells at the following pools. Airport Oil Springs East Mandaumin Oil City Bluewater Heritage Tipperary Black Creek Chatham D Wilkesport	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**102563**	SOMBRA STORAGE WELL UPGRADES 2025-LUG	**2025**	$	218,988	Casing inspection logs are completed on a prescribed basis as per Canadian Standards Association Z341 Storage of Hydrocarbons in Underground Formations. The storage well upgrades is an integrity project includes remediation requirements as a result of the casing inspection log. This project addresses any issues arising from the casing inspection log results and inspections of the storage wells in legacy Union Gas. The remediation may range from a well reline to a new wellhead or both with pressure testing of the well afterward. This investment will address the lack of pressure test records in the Sombra pool (Sombra 10, 11, 15 & 16)	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**745573**	St. Clair Measurement CV Solenoids	**2026**	$	216,063	Issue/Concern/Opportunity: Since upgrading positioners on all 4 control valves we now need solenoid valves on tubing lines to lock in the last position on a power failure. Should also replace aged control valve power gas cabinet on the Bickford side. Justification: Needed as power failure could potentially disrupt contracted custody flows from Michcon. Assets: SIL and Bickford line controller at St. Clair Measurement station. Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**100533**	Wellhead Upgrade Project	**2026**	$	215,601	There are 7 wellheads in legacy UG pools that are not up to current Enbridge or CSA standards. The issues with these wellheads are the pressure rating of the master valve or the flange connection type or both. The 2002 version and all succeeding versions of CSA Z341 stipulated that the connection type above the casing bowl for all wellheads shall be a flanged connection (Section 6.3.1.2 in Z341.1-18). Threaded connections are more prone to leak and offer a greater chance of failure compared to the flanged connection. Of these wellheads, five of them have threaded side-ports on the intermediate spool section. These are IS6, US9, US17 and US18 in the Sombra pool. All of these wellheads were installed in 1990 or earlier and therefore are at least 30 years old. Replacing the intermediate spool piece with reduces the risk of failure due to the threaded connection and age of the wellhead and builds a wellhead that complies with current CSA Z341. Eight of the nine wellheads that have an ANSI 600 ball valve as the Master Valve. The wellheads are on the IS6, US9, US17 and US18 in the Sombra pool, and UI20, UI28 and UI25 in the Waubuno pool. The ANSI 600 ball valve has a pressure rating of 1440 psi. These wellheads were built in 2004 or earlier. Wellheads have been built with a minimum ANSI 900 or API 2000 rating on the master valve for the last 17 years. The pressure ratings for the ANSI 900 and API 2000 are 2160 psi and 2000 psi respectively The current building practice has only wells with a 8 5/8" production casing having a having an ANSI ball valve as the master valve. All of the other valves are to be API gate valves. The casing sizes on these wells are 7" or smaller and therefore the replacement would be a API 2000 gate valve. Replacing these master valves with appropriate gate valves increases the safety factor of the pressure rating to an acceptable level according to the Storage current practices. This project would replace the wellheads on the wells over a three year period. The new wellheads would meet current building practices and CSA Z341 code. The new wellheads would install a new intermediate spool, master valve, ESV and side port valves as required. Cross overs will be newly constructed as required. The entire wellhead would be painted and new fence installed.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**9550**	PM:STORAGE WELL UPGRADES 2028-LEG	**2028**	$	214,058	*Issue/Concern* Annual vertilog inspections are performed to assess storage well casing corrosion. Corroded casing must be addressed in accordance with CSA Z341 Standard as adopted by the Oil, Gas & Salt Resources Act (MNR requirement). If the corrosion exceeds the allowable Legislated threshold then: 1 – If the corrosion is found within the first 2 casing joints it may be possible to repair the casing. This saves the well and some of the deliverability it offers the gathering system. Historically, multiple back-offs (as many as three) have been performed in a single year, however, the average frequency of occurrence is 1 per year. 2 - abandon the well and rehabilitate the site - the deliverability associated with the well will be lost - if the loss is significant a new well will have to be drilled. 3 - isolate (plug) the well - lose deliverability associated with the well. Per OGSRA a well can be suspended for a maximum of one year, at which point it must be repaired or abandoned. Historically at least one casing replacement is required annually. Affected asset will inherently be in poor condition. Continuing to operate a well determined to exceed code prescribed corrosion limits risks action from the MNRF and exposing employees and the public to leaks and lack of containment. *Assets* Wells. *Related Program* Not Applicable	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**748911**	Parkway Ultrasonic Meter Renewal 2025	**2025**	$	213,296	Issue/Concern/Opportunity: Ultrasonic meters require renewal every 8 years to ensure they measure accurately. Justification: Regulatory requirement from Measurement canada to recertify meters on a regular frequency Assets: Parkway west Meter yard. Meters 2 and 3	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**736365**	A1 Observation Well Program-LUG	**2029**	$	212,116	*Issue/Concern* Observation wells are required pursuant to Section 7.5 of CSA Z341 – Storage of hydrocarbons in underground formations . The observation well will monitor gas content and pressure in the underground storage area which will assist with the continued safe and reliable delivery of natural gas to our existing and future customers. Section 7.5: "Observation wells shall be incorporated into the storage facility and shall monitor pressures and the presence of hydrocarbons within the storage zone and associated permeable zones. The location and design of the observation well shall take into consideration: (a) locations within the storage zone that are suitable for monitoring reservoir pressures; (b) potential migratory paths from the reservoir to another formation; (c) fluid interface monitoring at the location of the spill point; (d) permeable zones and stratigraphic traps above the storage zone; and (e) low-permeability zones or formations adjacent to and in communication with" In addition, interpretations of the latest reservoir simulations indicate that the A-1 sucrosic dolomite may extend beyond the geographical edge of some DSAs. The DSA boundary protects the reef from any unwanted drilling by a third party. If the A-1 does, in fact, extend beyond the DSA boundary, a third party could receive permission to drill and if they penetrated the A-1 sucrosic they would be connected to the associated reef. EGD would then be forced to extend the DSA boundary and include, or buy out, the 3rd party. While the seismic provides a good interpretation of the A-1 it is not definitive and the only way to fully determine if the A-1 sucrosic is located beyond the boundary of the DSA is to drill a well. Mitigation of this risk will protect EGD's rights to the associated reservoir facility. Finally, the A1 Observation wells were originally proposed as a means to verify the integrity of the reservoir boundaries and demonstrate the relationship of low permeability zones to LUF. EGD receives rate recovery on LUF, and A1 zones were considered a potential means by which gas was leaking out of the reservoirs or becoming trapped, thereby creating LUF. The issue is that EGD must continue to investigate causes of LUF in order to argue for cost recovery from rates. This program drills one A1 well per year for 9 years. There are currently no A1 observation wells at the following pools. Airport Oil Springs East Mandaumin (debited program 162K/948K - 2023/24 - Inv#736651)) Oil City (debited program 183K/1,040K - 2024/25 - Inv# 735994) Bluewater Heritage Tipperary Black Creek Chatham D Wilkesport	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**101916**	PM:STORAGE WELL UPGRADES 2029-LEG	**2029**	$	207,432	*Issue/Concern* Annual vertilog inspections are performed to assess storage well casing corrosion. Corroded casing must be addressed in accordance with CSA Z341 Standard as adopted by the Oil, Gas & Salt Resources Act (MNR requirement). If the corrosion exceeds the allowable Legislated threshold then: 1 – If the corrosion is found within the first 2 casing joints it may be possible to repair the casing. This saves the well and some of the deliverability it offers the gathering system. Historically, multiple back-offs (as many as three) have been performed in a single year, however, the average frequency of occurrence is 1 per year. 2 - abandon the well and rehabilitate the site - the deliverability associated with the well will be lost - if the loss is significant a new well will have to be drilled. 3 - isolate (plug) the well - lose deliverability associated with the well. Per OGSRA a well can be suspended for a maximum of one year, at which point it must be repaired or abandoned. Historically at least one casing replacement is required annually. Affected asset will inherently be in poor condition. Continuing to operate a well determined to exceed code prescribed corrosion limits risks action from the MNRF and exposing employees and the public to leaks and lack of containment. *Assets* Wells. *Related Program* Not Applicable	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**743240**	Vector Courtright Generator and UPS	**2029**	$	200,867	Issue/Concern/Opportunity: Reliability Justification: Currently there is no backup power available at the site. In the event of a large storm event or power outage, reliability and gas flow from the pool may be compromised. Power is required at site to run PLC, RTU to enable measurement and control of valves and associated equipment at the site. Assets: Related Investments: None	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**8860**	PM:Wells-Stimulation Program 2026-LEG	**2026**	$	186,488	*Issue/Concern* Migration of fines and precipitation of scale in the reservoir rock near the wellbore occurs each year during gas injection and withdrawal operations. As the gas is moved in and out of the storage formation, fine rock particles migrate through the formation and plug the 'pathways' from the storage reef to the well. This reduces the permeability and porosity at the wellbore face and thereby reduces the deliverability capability of the well. Analysis suggests that, across the EGD Storage System, reservoir performance declines by about 0.75% per year on average, due to wellbore damage from fines and scale. In time, well performance would deteriorate to an unsustainable level, by increasing compressor horsepower requirements, and ultimately reducing peak day deliverability. Restoring peak day deliverability can be achieved by stimulating existing wells or drilling new wells. *Asset* Wells *Related Program* Not Applicable	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**743740**	NPS 10 Payne Kimball Integrity Digs	**2024**	$	185,336	2024 forecast: 31 ILI digs estimated based on previous years inspection plan. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**8994**	LM:Leaking Valves-Replace	**2026**	$	184,689	*Issue/Concern* Operations have identified isolation valves that to not provide sufficient seal quality that they could be trusted to provide isolation during normal maintenance activities or emergency situations. Valve condition - i.e. it's ability to perform it's intended function - is in scope for the Asset Health Review. Condition assessment results are rudimentary. Leaking valve seals are not necessarily valves that leak to atmosphere or pose a loss of containment threat. Instead, these leaking valves pose: (i) a process safety threat; (ii) a loss of system performance by creating recycle loops; and (iii) decreased ability to provide a safe work environment for maintenance activities that require double lock and bleed. If valve condition is not maintained at a reasonable level, the ability to isolate assets during an emergency, will be compromised. Valves in question are sometimes used to separate piping with different MOPs. If these valves are allowed to leak, there is an increased threat of overpressuring lower MOP pipe as gas bleeds through the valve from higher MOP pipe. *Asset* ¼ Turn Isolation valves . There are hundreds of these valves in service. *Related Program* Not Applicable	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**8995**	LM:Leaking Valves-Replace	**2027**	$	176,926	*Issue/Concern* Operations have identified isolation valves that to not provide sufficient seal quality that they could be trusted to provide isolation during normal maintenance activities or emergency situations. Valve condition - i.e. it's ability to perform it's intended function - is in scope for the Asset Health Review. Condition assessment results are rudimentary. Leaking valve seals are not necessarily valves that leak to atmosphere or pose a loss of containment threat. Instead, these leaking valves pose: (i) a process safety threat; (ii) a loss of system performance by creating recycle loops; and (iii) decreased ability to provide a safe work environment for maintenance activities that require double lock and bleed. If valve condition is not maintained at a reasonable level, the ability to isolate assets during an emergency, will be compromised. Valves in question are sometimes used to separate piping with different MOPs. If these valves are allowed to leak, there is an increased threat of overpressuring lower MOP pipe as gas bleeds through the valve from higher MOP pipe. *Asset* ¼ Turn Isolation valves . There are hundreds of these valves in service. *Related Program* Not Applicable	Fail	See investment description, IRPAs not applicable

STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	101909	PM:Wells-Stimulation Program 2027-LEG	2027	$	176,352	*Issue/Concern* Migration of fines and precipitation of scale in the reservoir rock near the wellbore occurs each year during gas injection and withdrawal operations. As the gas is moved in and out of the storage formation, fine rock particles migrate through the formation and plug the 'pathways' from the storage reef to the well. This reduces the permeability and porosity at the wellbore face and thereby reduces the deliverability capability of the well. Analysis suggests that, across the EGD Storage System, reservoir performance declines by about 0.75% per year on average, due to wellbore damage from fines and scale. In time, well performance would deteriorate to an unsustainable level, by increasing compressor horsepower requirements, and ultimately reducing peak day deliverability. Restoring peak day deliverability can be achieved by stimulating existing wells or drilling new wells. *Asset* Wells *Related Program* Not Applicable	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	102531	Well Stimulation Program 2026-LUG	2026	$	176,313	The legacy Union Gas storage pool system loses approximately 10 MMscfd of deliverability annually due to wellbore damage associated with normal operation of the pools. Well testing and remediation is required to recover the lost deliverability. As part of the program, all of the injection withdrawal wells will be reviewed as possible candidates. These wells will be further analyzed to quantify the wellbore damage in each well. Based upon the transient testing results, a progam will be disigned to recover the lost deliverability through acid stimulation. Deliverability improvements may also be attained utlizing alternatate methods. Legacy Union Gas currently has 157 injection/withdrawal wells that would fall under the deliverability maintenance program.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	8861	PM:Wells-Stimulation Program 2028-LEG	2028	$	172,891	*Issue/Concern* Migration of fines and precipitation of scale in the reservoir rock near the wellbore occurs each year during gas injection and withdrawal operations. As the gas is moved in and out of the storage formation, fine rock particles migrate through the formation and plug the 'pathways' from the storage reef to the well. This reduces the permeability and porosity at the wellbore face and thereby reduces the deliverability capability of the well. Analysis suggests that, across the EGD Storage System, reservoir performance declines by about 0.75% per year on average, due to wellbore damage from fines and scale. In time, well performance would deteriorate to an unsustainable level, by increasing compressor horsepower requirements, and ultimately reducing peak day deliverability. Restoring peak day deliverability can be achieved by stimulating existing wells or drilling new wells. *Asset* Wells *Related Program* Not Applicable	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	101910	PM:Wells-Stimulation Program 2029-LEG	2029	$	167,539	*Issue/Concern* Migration of fines and precipitation of scale in the reservoir rock near the wellbore occurs each year during gas injection and withdrawal operations. As the gas is moved in and out of the storage formation, fine rock particles migrate through the formation and plug the 'pathways' from the storage reef to the well. This reduces the permeability and porosity at the wellbore face and thereby reduces the deliverability capability of the well. Analysis suggests that, across the EGD Storage System, reservoir performance declines by about 0.75% per year on average, due to wellbore damage from fines and scale. In time, well performance would deteriorate to an unsustainable level, by increasing compressor horsepower requirements, and ultimately reducing peak day deliverability. Restoring peak day deliverability can be achieved by stimulating existing wells or drilling new wells. *Asset* Wells *Related Program* Not Applicable	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	102533	Well Stimulation Program 2028-LUG	2028	$	166,771	The legacy Union Gas storage pool system loses approximately 10 MMscfd of deliverability annually due to wellbore damage associated with normal operation of the pools. Well testing and remediation is required to recover the lost deliverability. As part of the program, all of the injection withdrawal wells will be reviewed as possible candidates. These wells will be further analyzed to quantify the wellbore damage in each well. Based upon the transient testing results, a progam will be disigned to recover the lost deliverability through acid stimulation. Deliverability improvements may also be attained utlizing alternatate methods. Legacy Union Gas currently has 157 injection/withdrawal wells that would fall under the deliverability maintenance program.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	8997	LM:Leaking Valves-Replace	2028	$	165,464	*Issue/Concern* Operations have identified isolation valves that to not provide sufficient seal quality that they could be trusted to provide isolation during normal maintenance activities or emergency situations. Valve condition - i.e. it's ability to perform it's intended function - is in scope for the Asset Health Review. Condition assessment results are rudimentary. Leaking valve seals are not necessarily valves that leak to atmosphere or pose a loss of containment threat. Instead, these leaking valves pose: (i) a process safety threat; (ii) a loss of system performance by creating recycle loops; and (iii) decreased ability to provide a safe work environment for maintenance activities that require double lock and bleed. If valve condition is not maintained at a reasonable level, the ability to isolate assets during an emergency, will be compromised. Valves in question are sometimes used to separate piping with different MOPs. If these valves are allowed to leak, there is an increased threat of overpressuring lower MOP pipe as gas bleeds through the valve from higher MOP pipe. *Asset* ¼ Turn Isolation valves . There are hundreds of these valves in service. *Related Program* Not Applicable	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	102532	Well Stimulation Program 2027-LUG	2027	$	165,215	The legacy Union Gas storage pool system loses approximately 10 MMscfd of deliverability annually due to wellbore damage associated with normal operation of the pools. Well testing and remediation is required to recover the lost deliverability. As part of the program, all of the injection withdrawal wells will be reviewed as possible candidates. These wells will be further analyzed to quantify the wellbore damage in each well. Based upon the transient testing results, a progam will be disigned to recover the lost deliverability through acid stimulation. Deliverability improvements may also be attained utlizing alternatate methods. Legacy Union Gas currently has 157 injection/withdrawal wells that would fall under the deliverability maintenance program.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
Head Office/All	00 - Head Office	Transmission Pipe & Underground Storage	Pass	748852	NPS 6 Pool 167, Well Lateral 183 Replacement (IAIR) - Core	2028	$	164,936	Dynamic Risk completed an independent review of TIMP to establish uncertainty levels in the fitness-for-service conclusions for all TIMP assets. This first phase of the project was completed last year. TIMP is currently developing plans to mitigate high and moderate uncertainties in the fitness-for-service conclusions by leveraging existing integrity activities and potentially introducing new ones. The current NPS 6 183 Well Lateral is from pre-1980 vintage which is exposed to certain hazard susceptibility that cannot be quantified through current inspection technologies. A pipe replacement or MOP downgrade would be needed to either eliminate the hazards or reduce the consequence of failure. A MOP downgrade is infeasible due to this well lateral being attached to a larger storage pool. A pipeline replacement is the preferred option.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	102535	Well Stimulation Program 2029-LUG	2029	$	161,610	The legacy Union Gas storage pool system loses approximately 10 MMscfd of deliverability annually due to wellbore damage associated with normal operation of the pools. Well testing and remediation is required to recover the lost deliverability. As part of the program, all of the injection withdrawal wells will be reviewed as possible candidates. These wells will be further analyzed to quantify the wellbore damage in each well. Based upon the transient testing results, a progam will be disigned to recover the lost deliverability through acid stimulation. Deliverability improvements may also be attained utlizing alternatate methods. Legacy Union Gas currently has 157 injection/withdrawal wells that would fall under the deliverability maintenance program.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	101904	LM:Leaking Valves-Replace	2029	$	160,342	*Issue/Concern* Operations have identified isolation valves that to not provide sufficient seal quality that they could be trusted to provide isolation during normal maintenance activities or emergency situations. Valve condition - i.e. it's ability to perform it's intended function - is in scope for the Asset Health Review. Condition assessment results are rudimentary. Leaking valve seals are not necessarily valves that leak to atmosphere or pose a loss of containment threat. Instead, these leaking valves pose: (i) a process safety threat; (ii) a loss of system performance by creating recycle loops; and (iii) decreased ability to provide a safe work environment for maintenance activities that require double lock and bleed. If valve condition is not maintained at a reasonable level, the ability to isolate assets during an emergency, will be compromised. Valves in question are sometimes used to separate piping with different MOPs. If these valves are allowed to leak, there is an increased threat of overpressuring lower MOP pipe as gas bleeds through the valve from higher MOP pipe. *Asset* ¼ Turn Isolation valves . There are hundreds of these valves in service. *Related Prosram* Not Aoolicable	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	748896	High Performance Coating - Vector Courtright Stn	2025	$	152,498	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	742352	TCPL Courtright Ultrasonic Meter Upgrade	2025	$	122,285	Issue/Concern/Opportunity: T-11 and T-12 type transducers are obsolete and no longer supported by manufacturer for Daniels Ultrasonic meters. New models of transducers are T-21, T-22 and T200. T200 models are inside of a pressure well, therefore the transducer section is not inserted into pipe. This means that when work is needed, the pipe does not need to be depressurized, and gas does not need to be evacuated into atmosphere. This would be the preferred model of transducer to go with. Any meter that was manufactured before 2003 cannot be upgraded to the T200 series transducers. In the case of older meters, we would upgrade to the T-21/T-22 series, which offer better reliability and would reduce the amount of repairs/replacement work on the transducers. In addition to the transducers being obsolete, the MKIII electronics are also obsolete. Getting replacement CPUs is not an option. We also need to upgrade CPUs for all of our ultrasonic meters from MKIII to the 3410 model. Justification: Need to upgrade transducers before they fail as we have no spares to replace. Currently have 26 ultrasonic meters with obsolete transducers. Assets: Daniels Ultrasonic meters with older type transducers across all of STO Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	742304	DowA Gas Chromatograph Replacement - Core	2026	$	116,952	Obsolescence - The 700 series GCs were installed starting in 2005 and were found to be problematic so a switch back to the 570 series was implemented going forward. Eventually, the 700 series has become unsupported by the manufacturer. Dawn techs have been repairing with salvaged parts but it is getting difficult to keep them in service.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	749362	Tractor Service - UMD6 (Core)	2025	$	115,835	Issue/Concern: This project is intended for Tractor conveyance of Well Bore Clean Out (WBCO) tools to utilize brush or milling services to remove debris such as waxes, BSS or asphaltene. Subsequent conveyance of Baker Hughes HRVRT tools for corrosion inspection logging services .in the UMD6 well in the Mandaumin Pool. Assets: Union Mandaumin #6 Related Programs: The funds for this investment are from the approved 2025 workplan investment # 9547. Categorization: # 2 Rationale: To maintain existing asset for UMD6 injection withdrawal well.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	748889	High Performance Coating - London North	2025	$	107,030	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	742300	Vector Courtright Gas Chromatograph Replacement	2025	$	106,563	Obsolescence - The 700 series GCs were installed starting in 2005 and were found to be problematic so a switch back to the 570 series was implemented going forward. Eventually, the 700 series has become unsupported by the manufacturer. Dawn techs have been repairing with salvaged parts but it is getting difficult to keep them in service.	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	747822	Kirkwall RTU Upgrade	2026	$	104,354	Issue/Concern/Opportunity: The existing 3330 RTU's require updating to current standards as they are no longer supported. In conjunction with the RTU upgrade to FB3000's. Justification: Replacement of obsolete equipment to the newest equipment (FB3000). Assets: Related Investments: N/A	Fail	See investment description, IRPAs not applicable

STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**738804**	LCOR: Meter Station Filter	**2030**	$	98,912	Core 38% / Non-Core 62% Issue/Concern/Opportunity: Contaminants can be drawn up out of gas storage pools during the withdrawal phase. These contaminants have the potential to damage or otherwise adversely impact downstream components. An existing underground separator has been found inadequate for this service. Inspection is difficult as it is buried, and it is also known to be susceptible to plugging. This should be removed, and appropriate Separation/Filtration equipment installed to adequately protect piping, instrumentation, and equipment, both at the meter station and downstream as well. Justification: New equipment protects sensitive instrumentation and other downstream components from damage, improving life span, reducing maintenance requirements, and increasing overall process safety. Assets: Corunna Meter Station Related Projects: This project is similar in nature and will align with modifications at other Enbridge meter stations in the area.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**748892**	High Performance Coating - Sombra Pool	**2025**	$	88,523	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hazari.	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**746030**	Kirkwall Custody Transfer GC Replacement	**2026**	$	85,039	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**742303**	Bentpath/Rosedale Gas Chromatograph Replacement - Core	**2025**	$	81,917	Obsolescence - The 700 series GCs were installed starting in 2005 and were found to be problematic so a switch back to the 570 series was implemented going forward. Eventually, the 700 series has become unsupported by the manufacturer. Dawn techs have been repairing with salvaged parts but it is getting difficult to keep them in service.	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**742302**	BentpathEast/BoothCreek Gas Chromatograph Replacement - Core	**2026**	$	80,528	Obsolescence - The 700 series GCs were installed starting in 2005 and were found to be problematic so a switch back to the 570 series was implemented going forward. Eventually, the 700 series has become unsupported by the manufacturer. Dawn techs have been repairing with salvaged parts but it is getting difficult to keep them in service.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**1920**	NPS 16 South Mid Kimball Gathering Pipeline Retrofit Core	**2025**	$	76,176	Project Specific: Install permanent launcher and receiver facilities prior to next scheduled inspection in 2022. Associated 2022 O&M spend. Installing permanent launcher and receiver facilities saves O&M spend which would otherwise be required to install and remove temporary facilities each inspection cycle. Permanent launcher/receiver facilities also provide a high degree of flexibility with respect to the timing of inspections which leads to system optimization and reduces disruption to normal pipeline operations. General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**743366**	St Claire Sombra PLC/RTU Upgrade	**2028**	$	75,942	Issue/Concern/Opportunity: The existing 3330 RTU's require updating to current standards as they are no longer supported. In conjunction with the RTU upgrade to FB3000's, the PLC should be upgraded to a Contrologix from PLC5. Justification: Obsolete Equipment Assets: Related Investments: N/A	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**501499**	Panhandle NPS 20 AC Mitigation	**2023**	$	75,293	Issue/Concern/Opportunity: There are strong indications that we are experiencing accelerated corrosion due to high AC potential on the NPS 20 Panhandle pipeline during the integrity dig at Dig # 202. There is also a personnel safety issue associated with induced AC voltage greater than 15VAC when work are being done on the pipeline. Justification: AC Mitigation to mitigate high AC potential observed on a pipeline Asset: Transmission Pipeline (NPS 20 Panhandle pipeline)	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**742340**	Bentpath Rosedale PLC/RTU Upgrade	**2027**	$	73,241	Issue/Concern/Opportunity: The existing 3330 RTU's require updating to current standards as they are no longer supported. In conjunction with the RTU upgrade to FB3000's, the PLC should be upgraded to a Contrologix from PLC5. Justification: Obsolete Equipment Assets: Related Investments: N/A	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**745839**	Trafalgar Pipelines Rectifier 199 McLean Rd Groundbed replacement	**2025**	$	69,877	rectifier ground bed replacement	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**745867**	Trafalgar Pipelines Rectifier 198 Trussler Rd Groundbed replacement	**2025**	$	69,877	rectifier ground bed replacement	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**745868**	Trafalgar Pipelines Rectifier 324 Westover Rd Groundbed replacement	**2025**	$	69,877	rectifier ground bed replacement	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**742305**	Enniskillen Gas Chromatograph Replacement - Core	**2025**	$	68,312	Obsolescence - The 700 series GCs were installed starting in 2005 and were found to be problematic so a switch back to the 570 series was implemented going forward. Eventually, the 700 series has become unsupported by the manufacturer. Dawn techs have been repairing with salvaged parts but it is getting difficult to keep them in service.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**749584**	Wilkesport Gas Chromatograph (Core)	**2025**	$	67,490	Obsolescence - The 300 series GCs has become unsupported by the manufacturer. Techs have been repairing with salvaged parts, but it is getting difficult to keep them in service. Currently we've exhausted all our spare parts and the series of GSs in our system (300 series) is no longer being supported by the vendor or manufacturer, hence our requirement to upgrade to (400 series) at all Tecumseh Sites. Our plan is to purchase upgraded GC units and install with in house technicians. This investment is specific for Wilkesport site which is most degraded in age and repairability. Individual project investments will be created. Stations to be upgraded: 1) Wilkesport 2) Mid and South Kimbal 3) Ladysmith 4) Corunna 5) Vector 6) Chatham D 7) Seckerton 8) Coveny 9) Dow 10) Sombra 11) Link	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**742233**	Bentpath East Booth Creek RTU Upgrade and PLC Addition	**2027**	$	66,816	Issue/Concern/Opportunity: The existing 3330 RTU's require updating to current standards as they are no longer supported. In conjunction with the RTU upgrade to FB3000's, a PLC should be added to the station to control the pool valves. Justification: Standard configuration is to use a PLC to control the pool valves, where this site is currently using an RTU. Assets: Related Investments: N/A	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**742336**	Waubuno Gas Chromatograph Replacement - Core	**2026**	$	66,507	Obsolescence - The 700 series GCs were installed starting in 2005 and were found to be problematic so a switch back to the 570 series was implemented going forward. Eventually, the 700 series has become unsupported by the manufacturer. Dawn techs have been repairing with salvaged parts but it is getting difficult to keep them in service.	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**749289**	BENT:UBS- Acidize (Core)	**2025**	$	60,747	*Issue/Concern* Migration of fines and precipitation of scale in the reservoir rock near the wellbore occurs each year during gas injection and withdrawal operations. As the gas is moved in and out of the storage formation, fine rock particles migrate through the formation and plug the 'pathways' from the storage reef to the well. This reduces the permeability and porosity at the wellbore face and thereby reduces the deliverability capability of the well. Analysis suggests that, across the EGD Storage System, reservoir performance declines by about 0.75% per year on average, due to wellbore damage from fines and scale. In time, well performance would deteriorate to an unsustainable level, by increasing compressor horsepower requirements, and ultimately reducing peak day deliverability. Restoring peak day deliverability can be achieved by stimulating existing wells or drilling new wells. Asset: Wilkesport - TW14H Related Program: The funds for this investment was drawn from approved 2024 workplan investment #102562.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**745547**	PCHATD:C2- Acidize	**2024**	$	59,912	*Issue/Concern* Migration of fines and precipitation of scale in the reservoir rock near the wellbore occurs each year during gas injection and withdrawal operations. As the gas is moved in and out of the storage formation, fine rock particles migrate through the formation and plug the 'pathways' from the storage reef to the well. This reduces the permeability and porosity at the wellbore face and thereby reduces the deliverability capability of the well. Analysis suggests that, across the EGD Storage System, reservoir performance declines by about 0.75% per year on average, due to wellbore damage from fines and scale. In time, well performance would deteriorate to an unsustainable level, by increasing compressor horsepower requirements, and ultimately reducing peak day deliverability. Restoring peak day deliverability can be achieved by stimulating existing wells or drilling new wells. Asset: Chatham D - CanEnerco#2 Related Program: The funds for this investment was drawn from approved 2024 workplan investment #102529 and #9546.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**745549**	PLAD:TL6H- Acidize	**2024**	$	59,912	*Issue/Concern* Migration of fines and precipitation of scale in the reservoir rock near the wellbore occurs each year during gas injection and withdrawal operations. As the gas is moved in and out of the storage formation, fine rock particles migrate through the formation and plug the 'pathways' from the storage reef to the well. This reduces the permeability and porosity at the wellbore face and thereby reduces the deliverability capability of the well. Analysis suggests that, across the EGD Storage System, reservoir performance declines by about 0.75% per year on average, due to wellbore damage from fines and scale. In time, well performance would deteriorate to an unsustainable level, by increasing compressor horsepower requirements, and ultimately reducing peak day deliverability. Restoring peak day deliverability can be achieved by stimulating existing wells or drilling new wells. Asset: Ladysmith - Ladysmith 6H Related Program: The funds for this investment was drawn from approved 2024 workplan investment #9546.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**745551**	PLAD:TL7H- Acidize	**2024**	$	59,912	*Issue/Concern* Migration of fines and precipitation of scale in the reservoir rock near the wellbore occurs each year during gas injection and withdrawal operations. As the gas is moved in and out of the storage formation, fine rock particles migrate through the formation and plug the 'pathways' from the storage reef to the well. This reduces the permeability and porosity at the wellbore face and thereby reduces the deliverability capability of the well. Analysis suggests that, across the EGD Storage System, reservoir performance declines by about 0.75% per year on average, due to wellbore damage from fines and scale. In time, well performance would deteriorate to an unsustainable level, by increasing compressor horsepower requirements, and ultimately reducing peak day deliverability. Restoring peak day deliverability can be achieved by stimulating existing wells or drilling new wells. Asset: Ladysmith - Ladysmith 7H Related Program: The funds for this investment was drawn from approved 2024 workplan investment #9546 and #102562 .	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**745553**	PWLK:TW14H- Acidize	**2024**	$	59,912	*Issue/Concern* Migration of fines and precipitation of scale in the reservoir rock near the wellbore occurs each year during gas injection and withdrawal operations. As the gas is moved in and out of the storage formation, fine rock particles migrate through the formation and plug the 'pathways' from the storage reef to the well. This reduces the permeability and porosity at the wellbore face and thereby reduces the deliverability capability of the well. Analysis suggests that, across the EGD Storage System, reservoir performance declines by about 0.75% per year on average, due to wellbore damage from fines and scale. In time, well performance would deteriorate to an unsustainable level, by increasing compressor horsepower requirements, and ultimately reducing peak day deliverability. Restoring peak day deliverability can be achieved by stimulating existing wells or drilling new wells. Asset: Wilkesport - TW14H Related Program: The funds for this investment was drawn from approved 2024 workplan investment #102562.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**749287**	PCHATD:C1- Acidize (Core)	**2025**	$	59,912	*Issue/Concern* Migration of fines and precipitation of scale in the reservoir rock near the wellbore occurs each year during gas injection and withdrawal operations. As the gas is moved in and out of the storage formation, fine rock particles migrate through the formation and plug the 'pathways' from the storage reef to the well. This reduces the permeability and porosity at the wellbore face and thereby reduces the deliverability capability of the well. Analysis suggests that, across the EGD Storage System, reservoir performance declines by about 0.75% per year on average, due to wellbore damage from fines and scale. In time, well performance would deteriorate to an unsustainable level, by increasing compressor horsepower requirements, and ultimately reducing peak day deliverability. Restoring peak day deliverability can be achieved by stimulating existing wells or drilling new wells. Asset: Chatham D - CanEnerco#2 Related Program: The funds for this investment was drawn from approved 2024 workplan investment #102529 and #9546.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**742367**	STO Remote Sites - Install Surge Suppressors	**2026**	$	58,231	1. Issue/Concern/Opportunity: We have had several lightning strikes which has damaged sensitive electronic equipment. Installation of a surge protector at various sites will reduce the damage, downtime and repairs. 2. Assets: 3. Related Program	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**749423**	LSEC: 211-HV-005 Replace	**2024**	$	53,306	*Issue/Concern* 211-HV-005 meter isolation valve is partially seized and requires mechanical assistance to operate. *Asset* ¼ Turn Isolation valves . There are dozens of these valves in service. *Related Program* Not Applicable	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**748890**	High Performance Coating - Terminus Pool	**2025**	$	53,290	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**742370**	Oil City Ultrasonic Meter Upgrade - Core	**2025**	$	51,437	Issue/Concern/Opportunity: T-11 and T-12 type transducers are obsolete and no longer supported by manufacturer for Daniels Ultrasonic meters. New models of transducers are T-21, T-22 and T200. T200 models are inside of a pressure well, therefore the transducer section is not inserted into pipe. This means that when work is needed, the pipe does not need to be depressurized, and gas does not need to be evacuated into atmosphere. This would be the preferred model of transducer to go with. Any meter that was manufactured before 2003 cannot be upgraded to the T200 series transducers. In the case of older meters, we would upgrade to the T-21/T-22 series, which offer better reliability and would reduce the amount of repairs/replacement work on the transducers. In addition to the transducers being obsolete, the MKIII electronics are also obsolete. Getting replacement CPUs is not an option. We also need to upgrade CPUs for all of our ultrasonic meters from MKIII to the 3410 model. Justification: Need to upgrade transducers before they fail as we have no spares to replace. Currently have 26 ultrasonic meters with obsolete transducers. Assets: Daniels Ultrasonic meters with older type transducers across all of STO Related Investments:	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**749367**	Tractor Service - UH 1 (Core)	**2025**	$	47,492	Issue/Concern: This project is intended for Tractor conveyance of Well Bore Clean Out (WBCO) tools to utilize brush or milling services to remove debris such as waxes, BSS or asphaltene. Subsequent conveyance of Baker Hughes HRVRT tools for corrosion inspection logging services.in the UH1 well in the Heritage Pool. Assets: Union Heritage #1 Related Programs: The funds for this investment are from the approved 2025 workplan investment # 9547. Categorization: # 2 Rationale: To maintain existing asset for UH 1 injection withdrawal well.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**748588**	PBCK:TBC1 - Grease Fitting Leak (Core)	**2025**	$	45,691	Issue/Concern: This project is intended to fix the identified leaking grease fitting on the TBC1 wellhead in the Black Creek Pool. Assets: Tecumseh Black Creek #1 Related Programs: The funds for this investment are from the approved 2025 workplan investment # 9547. Categorization: # 2 Rationale: To maintain existing asset for TBC1 injection withdrawal well.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**749107**	Albion Valve Sites UPS Replacements	**2025**	$	43,849	DISCRETE INVESTMENT WITHIN PROGRAM 102733 *Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Justification* As per manufacturer and industry standards our UPS system batteries should be replaced on a ten (10) year basis. Locations Vary - as failure cannot be forecasted *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**748902**	High Performance Coating - Tilbury North/Essex Takeoff	**2025**	$	41,816	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	See investment description, IRPAs not applicable
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**749365**	Tractor Service - UR4 (Core)	**2025**	$	41,701	Issue/Concern: This project is intended for Tractor conveyance of Well Bore Clean Out (WBCO) tools to utilize brush or milling services to remove debris such as waxes, BSS or asphaltene. Subsequent conveyance of Baker Hughes HRVRT tools for corrosion inspection logging services.in the UR4 well in the Rosedale Pool. Assets: Union Rosedale #4 Related Programs: The funds for this investment are from the approved 2025 workplan investment # 9547. Categorization: # 2 Rationale: To maintain existing asset for UR4 injection withdrawal well.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**748897**	High Performance Coating - Tipperary Wells	**2025**	$	41,618	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Transmission Pipe & Underground Storage	**Pass**	**749371**	Tractor Service - HT59 (Core)	**2025**	$	38,225	Issue/Concern: This project is intended for Tractor conveyance of Well Bore Clean Out (WBCO) tools to utilize brush or milling services to remove debris such as waxes, BSS or asphaltene. Subsequent conveyance of Baker Hughes HRVRT tools for corrosion inspection logging services.in the HT59 well in the Tipperary Pool. Assets: HT59 Related Programs: The funds for this investment are from the approved 2025 workplan investment # 102563. Categorization: # 2 Rationale: To maintain existing asset for HT59 injection withdrawal well.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**748894**	High Performance Coating - St Clair Pool	**2025**	$	29,948	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	See investment description, IRPAs not applicable
STO - UGL	**Div_53 - Union South Storage**	Transmission Pipe & Underground Storage	**Pass**	**748221**	Enniskillen MLV Relief Replacement (Core)	**2025**	$	27,428	Issue/Concern/Opportunity: The relief at the 10" inlet of the Enniskillen MLV site (11H-301V) is faulty and requires replacement. Repair attempts were unsuccessful, and the original relief valve has been discontinued. Repair kits were not available. Justification: Adequate over pressure protection is needed to operate this line safely. Assets: Related Investments:	Fail	See investment description, IRPAs not applicable

STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743590	Enniskillen Pool (Obs Well) Rectifier and Groundbed Replacement	2024	$	25,156	The corrosion program includes the expenditure required to reduce the amount of down plant within EGD's storage system. These installations and replacements are based on the requirement in the Company's Construction & Maintenance Manual to maintain the appropriate level of cathodic protection on steel pipeline assets. Individual projects will be set up to use these program dollars based on identification of rectifier, groundbed and anode sites identified by the Corrosion group.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	749356	Tractor Service - TC7 (Core)	2025	$	25,066	Issue/Concern: This project is intended for Tractor conveyance of Well Bore Clean Out (WBCO) tools to utilize brush or milling services to remove debris such as waxes, BSS or asphaltene. Subsequent conveyance of Baker Hughes HRVRT tools for corrosion inspection logging services.in the TC7 well in the Corunna Pool. Assets: Tecumseh Corunna #7 Related Programs: The funds for this investment are from the approved 2025 workplan investment # 9547. Categorization: # 2 Rationale: To maintain existing asset for TC7 injection withdrawal well.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	749358	Tractor Service - TD28H (Core)	2025	$	24,110	Issue/Concern: This project is intended for Tractor conveyance of Well Bore Clean Out (WBCO) tools to utilize brush or milling services to remove debris such as waxes, BSS or asphaltene. Subsequent conveyance of Baker Hughes HRVRT tools for corrosion inspection logging services.in the TD28H well in the Dow Moore Pool. Assets: Tecumseh Dow Moore #28H Related Programs: The funds for this investment are from the approved 2025 workplan investment # 9547. Categorization: # 2 Rationale: To maintain existing asset for TD28H injection withdrawal well.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	749360	Tractor Service - TD24 (Core)	2025	$	24,110	Issue/Concern: This project is intended for Tractor conveyance of Well Bore Clean Out (WBCO) tools to utilize brush or milling services to remove debris such as waxes, BSS or asphaltene. Subsequent conveyance of Baker Hughes HRVRT tools for corrosion inspection logging services.in the TD24 well in the Dow Moore Pool. Assets: Tecumseh Dow Moore #24 Related Programs: The funds for this investment are from the approved 2025 workplan investment # 9547. Categorization: # 2 Rationale: To maintain existing asset for TD24 injection withdrawal well.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	741791	TCPL Measurement GC Upgrade	2024	$	23,292	Obsolescence - The 700 series GCs were installed starting in 2005 and were found to be problematic so a switch back to the 570 series was implemented going forward. Eventually, the 700 series has become unsupported by the manufacturer. Dawn techs have been repairing with salvaged parts but it is getting difficult to keep them in service. As part of TCPL Controls upgrade. Current Model of GC is 570. need to upgrade to latest model 370XA to avoid having obsolete components.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	749369	Tractor Service - 8-5-XV (Core)	2025	$	23,167	Issue/Concern: This project is intended for Tractor conveyance of Well Bore Clean Out (WBCO) tools to utilize brush or milling services to remove debris such as waxes, BSS or asphaltene. Subsequent conveyance of Baker Hughes HRVRT tools for corrosion inspection logging services.in the 8-5-XV well in the Heritage Pool. Assets: 8-5-XV Related Programs: The funds for this investment are from the approved 2025 workplan investment # 9547. Categorization: # 2 Rationale: To maintain existing asset for 8-5-XV injection withdrawal well.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	748910	LWLK: Filter Containment Mods	2025	$	22,467	Issue/Concern/Opportunity: An existing concrete containment was installed to prevent spills when opening the vessel enclosure on 153-V-003 filter coalescer during maintenance. This area is exposed to the elements are require regular pump out by Operations. During winter these can fill up and freeze with freeze/thaw cycles creating additional hazards. This issue was raised as a safety concern by Enbridge Operations via the Tecumseh safety committee. As company design philosophies have changed, these are no longer deemed required, as temporary. Enbridge Mechanics will transport and install temporary containment systems during maintenance activities, invalidating the need for the existing concrete containment areas. Justification: Safety concerns: Liquids freeze in colder weather creating a slipping hazard. Environmental concerns: High rainfall amounts can result in overflow of water. If the concrete containment has any residual contaminants present, the surrounding soil could become contaminated. Cost Concerns: A cost is associated with trucking out liquids from the containment area. During periods of frequent or heavy rain, or during freeze/thaw cycles, this would have to be done more frequently. Assets: 153-V-003 Filter Coalescer Related Investments: Core and non-Core component. Similar modifications will be made at Sombra Compressor Station under a separate investment, but as part of the same work effort.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	749011	Radio Transmitter Replacement (from i-NET to Orbit) @ Mid and South Kimball	2028	$	22,467	Our current 'i-NET' Radio transmitters throughout our storage pool stations are obsolete and we cannot order parts or new like for like units. These 'i-NET' units sends data to receivers via radio signals and these receivers feeds this data to our Operations control room and SCADA. We need to install ORBITs transmitters to replace 'i-NET' transmitters which will provide a better MESH technology and by installing and replacing Orbits transmitters; will allow us to maintain our operations. We would like to pro-actively replace the existing 'i-NET' units (total of 12) at Mid and South Kimball storage site with Orbits and we can use these 'i-NET' units as spares for other 'i-NET' units that fail at our other storage sites; this will buy us time, to develop future investments in stages to replace our other obsolete units in our other storage sites.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	748899	High Performance Coating - Launcher Sites	2025	$	21,573	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	742459	Kirkwall Measurement PLC Processor & Firmware Upgrade	2025	$	18,283	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	742640	Vector Courtright PLC Processor & Firmware Upgrades	2025	$	18,283	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743588	Bickford Pool (Obs Well 14) Rectifier and Groundbed Replacement	2024	$	17,469	The corrosion program includes the expenditure required to reduce the amount of down plant within EGD's storage system. These installations and replacements are based on the requirement in the Company's Construction & Maintenance Manual to maintain the appropriate level of cathodic protection on steel pipeline assets. Individual projects will be set up to use these program dollars based on identification of rectifier, groundbed and anode sites identified by the Corrosion group.	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	745828	Mandaumin Observation Well New Rectifier and Groundbed	2024	$	17,469	install rectifier and ground bed for new plantinstallation	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	9187	LM:MS UPS-Replace	2026	$	16,490	*Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Power failures and lightning strikes are common in the Storage area. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. UPS equipment has a finite life expectancy of about 3 to 5 years. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	See investment description, IRPAs not applicable

STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	9188	LM:MS UPS-Replace	2027	$	15,797	*Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Power failures and lightning strikes are common in the Storage area. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. UPS equipment has a finite life expectancy of about 3 to 5 years. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	9189	LM:MS UPS-Replace	2028	$	14,774	*Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Power failures and lightning strikes are common in the Storage area. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. UPS equipment has a finite life expectancy of about 3 to 5 years. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	9186	LM:MS UPS-Replace	2025	$	14,431	*Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Power failures and lightning strikes are common in the Storage area. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. UPS equipment has a finite life expectancy of about 3 to 5 years. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	735399	LM:MS UPS-Replace - 2029	2029	$	14,316	*Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Power failures and lightning strikes are common in the Storage area. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. UPS equipment has a finite life expectancy of about 3 to 5 years. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	742296	Sombra/St. Clair Gas Chromatograph Replacement - Core	2025	$	13,207	Obsolescence - The 700 series GCs were installed starting in 2005 and were found to be problematic so a switch back to the 570 series was implemented going forward. Eventually, the 700 series has become unsupported by the manufacturer. Dawn techs have been repairing with salvaged parts but it is getting difficult to keep them in service.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743584	Crowland Station Rectifier Installation	2024	$	12,223	The corrosion program includes the expenditure required to reduce the amount of down plant within EGD's storage system. These installations and replacements are based on the requirement in the Company's Construction & Maintenance Manual to maintain the appropriate level of cathodic protection on steel pipeline assets. Individual projects will be set up to use these program dollars based on identification of rectifier, groundbed and anode sites identified by the Corrosion group.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743763	NPS 20 South Kimball Loop Integrity Digs	2024	$	11,686	2024 forecast: This is a program budget placeholder, estimated using an average of the spend profile between 2021-2024 General: The Integrity Management Program is a mandated regulatory requirement which has been designed to comply with all applicable codes and standards. The program consists of the regular assessment and maintenance of the integrity of Union's pipeline systems to ensure their continued safety and reliability. Most of the expenditure included in this category is for pipelines that operate above 30 per cent SMYS. It includes installation costs for permanent inline inspection (ILI) tool launcher and receiver facilities, retrofits to existing lines to remove restrictive fittings or pipe configurations so they can be inspected with ILI tools, and replacement of pipeline segments with integrity issues that are identified through the inspections.	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	743493	LSEC:MS Surge Protector	2025	$	8,169	Issue/Concern/Opportunity: We have had several lightning strikes which has damaged sensitive electronic equipment. Justification: Installation of a surge protector at various sites will reduce the damage, downtime and repairs. Assets: STO Related Projects: NA	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	749806	LM: Mid-South Kimbal UPS - Replacement	2025	$	8,074	*Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Power failures and lightning strikes are common in the Storage area. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. UPS equipment has a finite life expectancy of about 3 to 5 years. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	9547	PM:STORAGE WELL UPGRADES 2025-LEG	2025	$	4,600	*Issue/Concern* Annual wertilog inspections are performed to assess storage well casing corrosion. Corroded casing must be addressed in accordance with CSA Z341 Standard as adopted by the OIL, Gas & Salt Resources Act (MNR requirement). If the corrosion exceeds the allowable Legislated threshold then: 1 – If the corrosion is found within the first 2 casing joints it may be possible to repair the casing. This saves the well and some of the deliverability it offers the gathering system. Historically, multiple back-offs (as many as three) have been performed in a single year, however, the average frequency of occurrence is 1 per year. 2 - abandon the well and rehabilitate the site - the deliverability associated with the well will be lost - if the loss is significant a new well will have to be drilled. 3 - isolate (plug) the well - lose deliverability associated with the well. Per OGSRA a well can be suspended for a maximum of one year, at which point it must be repaired or abandoned. Historically at least one casing replacement is required annually. Affected asset will inherently be in poor condition. Continuing to operate a well determined to exceed code prescribed corrosion limits risks action from the MNRF and exposing employees and the public to leaks and lack of containment. *Assets* Wells. *Related Program* Not Applicable	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	101908	PM:Wells-Stimulation Program 2025-LEG	2025	$	1,154	*Issue/Concern* Migration of fines and precipitation of scale in the reservoir rock near the wellbore occurs each year during gas injection and withdrawal operations. As the gas is moved in and out of the storage formation, fine rock particles migrate through the formation and plug the 'pathways' from the storage reef to the well. This reduces the permeability and porosity at the wellbore face and thereby reduces the deliverability capability of the well. Analysis suggests that, across the EGD Storage System, reservoir performance declines by about 0.75% per year on average, due to wellbore damage from fines and scale. In time, well performance would deteriorate to an unsustainable level, by increasing compressor horsepower requirements, and ultimately reducing peak day deliverability. Restoring peak day deliverability can be achieved by stimulating existing wells or drilling new wells. *Asset* Wells *Related Program* Not Applicable	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	736651	Mandaumin A1 observation well	2024	$	1,097	This project drills one A1 observation well in the Mandaumin pool DSA. The well will be a 5 1/2" production casing, cemented at least 20m into the A1 formation and perforated in the A1 formation. Pressures from this well will be conveyed to the SCADA system for continuous monitoring and recording. These pressures will be assessed on an ongoing basis and during inventory verifications to confirm structural integrity of the Mandaumin storage pool. Any increase in pressure would be proof of gas migration to the A1 formation. A1 Observation Well Program debited accordingly	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	742637	Cuthbert PLC Processor & Firmware Upgrades	2027	$	1,076	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	742641	Vector Dawn PLC Processor & Firmware Upgrades	2027	$	1,076	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	742639	Terminus PLC Processor & Firmware Upgrades	2027	$	734	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
STO - EGD	70 - Storage	Transmission Pipe & Underground Storage	Pass	735992	Bluewater A1 Well	2024	$	609	This project drills one A1 observation well in the Bluewater pool DSA. The well will be a 5 1/2" production casing, cemented at least 20m into the A1 formation and perforated in the A1 formation. Pressures from this well will be conveyed to the SCADA system for continuous monitoring and recording. These pressures will be assessed on an ongoing basis and during inventory verifications to confirm structural integrity of the Bluewater storage pool. Any increase in pressure would be proof of gas migration to the A1 formation. Note - This is not split yet between regulated and unregulated	Fail	Storage Pools & Well related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Transmission Pipe & Underground Storage	Pass	742396	Heritage Ultrasonic Meter Upgrade	2025	$	448	Issue/Concern/Opportunity: T-11 and T-12 type transducers are obsolete and no longer supported by manufacturer for Daniels Ultrasonic meters. New models of transducers are T-21, T-22 and T200. T200 models are inside of a pressure well, therefore the transducer section is not inserted into pipe. This means that when work is needed, the pipe does not need to be depressurized, and gas does not need to be evacuated into atmosphere. This would be the preferred model of transducer to go with. Any meter that was manufactured before 2003 cannot be upgraded to the T200 series transducers. In the case of older meters, we would upgrade to the T-21/T-22 series, which offer better reliability and would reduce the amount of repairs/replacement work on the transducers. In addition to the transducers being obsolete, the MKIII electronics are also obsolete. Getting replacement CPUs is not an option. We also need to upgrade CPUs for all of our ultrasonic meters from MKIII to the 3410 model. Justification: Need to upgrade transducers before they fail as we have no spares to replace. Currently have 26 ultrasonic meters with obsolete transducers. Assets: Daniels Ultrasonic meters with older type transducers across all of STO Related Investments:	Fail	See investment description, IRPAs not applicable

Head Office/All	01 - All	Utilization	Pass	19983	Meter Purchases- MXGI's, MXG's, MXDT's - Diaphragm	2025	$	162,853,776	Meters are used to determine the gas consumption input of customer billing. The replacement program for meters is mandated by Measurement Canada. The program includes: testing, repair, and replacement requirements of meters and instruments. All verified meters are approved by Measurement Canada with an issuance of a certificate which identifies that the meter complies with Electricity and Gas Specification S-EG-02. EGI must ensure all measurement devices remain in compliance for annual audits by Measurement Canada. Measurement Canada specifies tolerances under which the meter must operate in the field. EGD must demonstrate that all aspects of its meter sampling, maintenance, and replacement comply with these criteria in order to be accredited by Measurement Canada to be an "Authorized Service Provider" and adhere to Measurement Canada's accreditation standard S-A-01. Meters may also require exchange for issues such as: damaaes. leaks. customer billing issues.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Utilization	Pass	48501	SMC-Meter & Regulator Replacements - South - Diaphragm	2025	$	86,130,584	Meter & Reg Install- Replacement	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Utilization	Pass	13543	MXGI Area 10	2025	$	67,379,625	Meters: Meters are used to determine the gas consumption input of customer billing. The replacement program for meters is mandated by Measurement Canada. The program includes: testing, repair, and replacement requirements of meters and instruments. All verified meters are approved by Measurement Canada with an issuance of a certificate which identifies that the meter complies with Electricity and Gas Specification S-EG-02. The Company must ensure all measurement devices remain in compliance for annual audits by Measurement Canada. Measurement Canada specifies tolerances under which the meter must operate in the field. The Company must demonstrate that all aspects of its meter sampling, maintenance, and replacement comply with these criteria in order to be accredited by Measurement Canada to be an "Authorized Service Provider" and adhere to Measurement Canada's accreditation standard S-A-01. Meters may also require exchange for issues such as: damages, leaks, customer billing issues. Regulation: Regulators are the last line of defense for over-pressure to the customer. The condition of regulation systems is determined by regulator performance, corrosion of piping and regulators, and adherence to installation specifications. Failure of the regulation system can cause pressured gas to enter the premise, resulting in failure of gas equipment, loss of containment, and potentially fire or explosion.	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Utilization	Pass	738580	Meter Purchases- MXGI's, MXG's, MXDT's - Ultra-Sonic	2025	$	60,784,172	Meter & Reg Install- Replacement	Fail	See investment description, IRPAs not applicable
All	00 - Head Office	Utilization	Pass	750082	AMI Implementation (LEGD)	2029	$	47,087,516	The AMI initiative is an initiative to overhaul the fleet of installed metering/measurement devices and upgrade to the newest technology for the benefit of our Customers, Safety, and Cost Savings. The new meters increase efficiency, reduce costs, provide extra safety features, and give real time consumption data to help model the distribution network, provide DSM opportunities, and assist with maintenance scheduling . Some of the benefits of the new advanced system: Two way communication , Real time consumption, Increased meter data – example: pressure sensors, methane detectors, and shut off capabilities Key components required for a successful deployment: Communications / Accuracy / Functionality / Reporting / Reliability / Safety / Cyber Security Timing The pilot project was rolled out in 2022. The pilot project will operate in 2022 and 2026. Any barriers/issues will be solved during the operational period.	Fail	See investment description, IRPAs not applicable
All	Div_54 - Head Office Support	Utilization	Pass	750083	AMI Implementation (LUG)	2029	$	45,421,142	The AMI initiative is an initiative to overhaul the fleet of installed metering/measurement devices and upgrade to the newest technology for the benefit of our Customers, Safety, and Cost Savings. The new meters increase efficiency, reduce costs, provide extra safety features, and give real time consumption data to help model the distribution network, provide DSM opportunities, and assist with maintenance scheduling . Some of the benefits of the new advanced system: Two way communication , Real time consumption, Increased meter data – example: pressure sensors, methane detectors, and shut off capabilities Key components required for a successful deployment: Communications / Accuracy / Functionality / Reporting / Reliability / Safety / Cyber Security Timing The pilot project was rolled out in 2022. The pilot project will operate in 2022 and 2026. Any barriers/issues will be solved during the operational period.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Utilization	Pass	48680	SMC-Meter Purchases Replacements - North - Diaphragm	2025	$	44,045,096	Meter & Reg Install- Replacement	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Utilization	Pass	13544	MXGI Area 20	2025	$	33,985,355	Meters: Meters are used to determine the gas consumption input of customer billing. The replacement program for meters is mandated by Measurement Canada. The program includes: testing, repair, and replacement requirements of meters and instruments. All verified meters are approved by Measurement Canada with an issuance of a certificate which identifies that the meter complies with Electricity and Gas Specification S-EG-02. The Company must ensure all measurement devices remain in compliance for annual audits by Measurement Canada. Measurement Canada specifies tolerances under which the meter must operate in the field. The Company must demonstrate that all aspects of its meter sampling, maintenance, and replacement comply with these criteria in order to be accredited by Measurement Canada to be an "Authorized Service Provider" and adhere to Measurement Canada's accreditation standard S-A-01. Meters may also require exchange for issues such as: damages, leaks, customer billing issues. Regulation: Regulators are the last line of defense for over-pressure to the customer. The condition of regulation systems is determined by regulator performance, corrosion of piping and regulators, and adherence to installation specifications. Failure of the regulation system can cause pressured gas to enter the premise, resulting in failure of gas equipment, loss of containment, and potentially fire or explosion.	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Utilization	Pass	23228	Meter Purchases- New Customer Additions - Diaphragm	2025	$	33,106,320	New meters are required for customer expansion projects. Meters are used to determine the gas consumption input of customer billing.	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Utilization	Pass	48405	WATE: Meter & Regulator Install – Replacement	2025	$	25,586,984	Meter & Reg Install- Replacement	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Utilization	Pass	48359	LOND: Meter & Regulator Install – Replacement	2025	$	25,327,901	Meter & Reg Install- Replacement	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Utilization	Pass	13545	MXGI Area 30	2025	$	23,551,110	Meters: Meters are used to determine the gas consumption input of customer billing. The replacement program for meters is mandated by Measurement Canada. The program includes: testing, repair, and replacement requirements of meters and instruments. All verified meters are approved by Measurement Canada with an issuance of a certificate which identifies that the meter complies with Electricity and Gas Specification S-EG-02. The Company must ensure all measurement devices remain in compliance for annual audits by Measurement Canada. Measurement Canada specifies tolerances under which the meter must operate in the field. The Company must demonstrate that all aspects of its meter sampling, maintenance, and replacement comply with these criteria in order to be accredited by Measurement Canada to be an "Authorized Service Provider" and adhere to Measurement Canada's accreditation standard S-A-01. Meters may also require exchange for issues such as: damages, leaks, customer billing issues. Regulation: Regulators are the last line of defense for over-pressure to the customer. The condition of regulation systems is determined by regulator performance, corrosion of piping and regulators, and adherence to installation specifications. Failure of the regulation system can cause pressured gas to enter the premise, resulting in failure of gas equipment, loss of containment, and potentially fire or explosion.	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Utilization	Pass	13548	MXGI Area 60	2025	$	22,135,822	Meters: Meters are used to determine the gas consumption input of customer billing. The replacement program for meters is mandated by Measurement Canada. The program includes: testing, repair, and replacement requirements of meters and instruments. All verified meters are approved by Measurement Canada with an issuance of a certificate which identifies that the meter complies with Electricity and Gas Specification S-EG-02. The Company must ensure all measurement devices remain in compliance for annual audits by Measurement Canada. Measurement Canada specifies tolerances under which the meter must operate in the field. The Company must demonstrate that all aspects of its meter sampling, maintenance, and replacement comply with these criteria in order to be accredited by Measurement Canada to be an "Authorized Service Provider" and adhere to Measurement Canada's accreditation standard S-A-01. Meters may also require exchange for issues such as: damages, leaks, customer billing issues. Regulation: Regulators are the last line of defense for over-pressure to the customer. The condition of regulation systems is determined by regulator performance, corrosion of piping and regulators, and adherence to installation specifications. Failure of the regulation system can cause pressured gas to enter the premise, resulting in failure of gas equipment, loss of containment, and potentially fire or explosion.	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Utilization	Pass	48297	WIND: Meter & Regulator Install – Replacement	2025	$	21,382,960	Meter & Reg Install- Replacement	Fail	See investment description, IRPAs not applicable
GTA West Area 50 EGD	50 - Barrie	Utilization	Pass	13547	MXGI Area 50	2025	$	20,036,514	Meters: Meters are used to determine the gas consumption input of customer billing. The replacement program for meters is mandated by Measurement Canada. The program includes: testing, repair, and replacement requirements of meters and instruments. All verified meters are approved by Measurement Canada with an issuance of a certificate which identifies that the meter complies with Electricity and Gas Specification S-EG-02. The Company must ensure all measurement devices remain in compliance for annual audits by Measurement Canada. Measurement Canada specifies tolerances under which the meter must operate in the field. The Company must demonstrate that all aspects of its meter sampling, maintenance, and replacement comply with these criteria in order to be accredited by Measurement Canada to be an "Authorized Service Provider" and adhere to Measurement Canada's accreditation standard S-A-01. Meters may also require exchange for issues such as: damages, leaks, customer billing issues. Regulation: Regulators are the last line of defense for over-pressure to the customer. The condition of regulation systems is determined by regulator performance, corrosion of piping and regulators, and adherence to installation specifications. Failure of the regulation system can cause pressured gas to enter the premise, resulting in failure of gas equipment, loss of containment, and potentially fire or explosion.	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Utilization	Pass	748069	LOND: Regulator Purchase – Replacements	2025	$	19,373,544	Regulator Purchase – Replacements	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Utilization	Pass	48438	HAMI: Meter & Regulator Install – Replacement	2025	$	19,107,141	Meter & Reg Install- Replacement	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Utilization	Pass	13549	MXGI Area 80	2025	$	15,024,273	Meters: Meters are used to determine the gas consumption input of customer billing. The replacement program for meters is mandated by Measurement Canada. The program includes: testing, repair, and replacement requirements of meters and instruments. All verified meters are approved by Measurement Canada with an issuance of a certificate which identifies that the meter complies with Electricity and Gas Specification S-EG-02. The Company must ensure all measurement devices remain in compliance for annual audits by Measurement Canada. Measurement Canada specifies tolerances under which the meter must operate in the field. The Company must demonstrate that all aspects of its meter sampling, maintenance, and replacement comply with these criteria in order to be accredited by Measurement Canada to be an "Authorized Service Provider" and adhere to Measurement Canada's accreditation standard S-A-01. Meters may also require exchange for issues such as: damages, leaks, customer billing issues. Regulation: Regulators are the last line of defense for over-pressure to the customer. The condition of regulation systems is determined by regulator performance, corrosion of piping and regulators, and adherence to installation specifications. Failure of the regulation system can cause pressured gas to enter the premise, resulting in failure of gas equipment, loss of containment, and potentially fire or explosion.	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Utilization	Pass	747891	WIND: Regulator Purchase – Replacements	2025	$	14,620,968	Regulator Purchase – Replacements	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Utilization	Pass	48500	SMC-Meter & Regulator Additions South - Diaphragm	2025	$	13,687,336	Meter & Reg Install- New	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Utilization	Pass	738579	Meter Purchases- New Customer Additions - Ultra-Sonic	2025	$	11,039,916	New meters are required for customer expansion projects. Meters are used to determine the gas consumption input of customer billing.	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Utilization	Pass	748123	WATE: Regulator Purchase – Replacements	2025	$	11,001,981	Regulator purchase for Meter Exchanges	Fail	See investment description, IRPAs not applicable
GTA East Area 40 EGD	40 - Whitby	Utilization	Pass	13546	MXGI Area 40	2025	$	10,393,280	Meters: Meters are used to determine the gas consumption input of customer billing. The replacement program for meters is mandated by Measurement Canada. The program includes: testing, repair, and replacement requirements of meters and instruments. All verified meters are approved by Measurement Canada with an issuance of a certificate which identifies that the meter complies with Electricity and Gas Specification S-EG-02. The Company must ensure all measurement devices remain in compliance for annual audits by Measurement Canada. Measurement Canada specifies tolerances under which the meter must operate in the field. The Company must demonstrate that all aspects of its meter sampling, maintenance, and replacement comply with these criteria in order to be accredited by Measurement Canada to be an "Authorized Service Provider" and adhere to Measurement Canada's accreditation standard S-A-01. Meters may also require exchange for issues such as: damages, leaks, customer billing issues. Regulation: Regulators are the last line of defense for over-pressure to the customer. The condition of regulation systems is determined by regulator performance, corrosion of piping and regulators, and adherence to installation specifications. Failure of the regulation system can cause pressured gas to enter the premise, resulting in failure of gas equipment, loss of containment, and potentially fire or explosion.	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Utilization	Pass	747990	HALT: Regulator Purchase - Replacements	2025	$	10,291,202	Regulator Purchase - Replacements	Fail	See investment description, IRPAs not applicable

Brantford Area 07 UGL	Div_06 - Brantford	Utilization	Pass	48385	BRAN: Meter & Regulator Install – Replacement	2025	$	10,239,021	Meter & Reg Install- Replacement		Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Utilization	Pass	48546	SUDB: Meter & Regulator Install – Replacement	2025	$	9,700,018	Meter & Reg Install- Replacement		Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Utilization	Pass	48463	HALT: Meter & Regulator Install – Replacement	2025	$	9,112,239	Meter & Reg Install- Replacement		Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Utilization	Pass	748121	HAMI: Regulator Purchase – Replacements	2025	$	8,685,311	Regulator purchase for Meter Exchanges		Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Utilization	Pass	48483	KING: Meter & Regulator Install - Replacement	2025	$	8,445,576	Meter & Reg Install- Replacement		Fail	See investment description, IRPAs not applicable
Head Office/All	00 - Head Office	Utilization	Pass	743151	Mid-Market LVM Project	2027	$	8,161,242	Risk/Opportunity: Changing instrumentation for existing 10,000 mid-market accounts that have become obsolete to the Bright Lync system, which will provide daily volumes for these accounts, drive accuracy in billing, provide insights into the usage of the systems that these are connected to. Assets: n/a Related Projects: n/a		Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Utilization	Pass	747940	KING: Regulator Purchase - Replacements	2025	$	8,106,976	Issue/Concern/Opportunity: Justification: Assets: Related Investments:		Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Utilization	Pass	48513	THUN: Meter & Regulator Install – Replacement	2025	$	7,770,410	Meter & Reg Install- Replacement		Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Utilization	Pass	48586	NBAY: Meter & Regulator Install – Replacement	2025	$	7,457,163	Meter & Reg Install- Replacement		Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Utilization	Pass	738582	SMC-Meter & Regulator Additions South - Ultra-Sonic	2025	$	5,305,728	Meter & Reg Install- New		Fail	See investment description, IRPAs not applicable
Brantford Area 07 UGL	Div_06 - Brantford	Utilization	Pass	748124	BRAN: Regulator Purchase – Replacements	2025	$	4,345,283	Regulator purchase for Meter Exchanges		Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Utilization	Pass	48679	SMC-Meter Purchases Additions North - Diaphragm	2025	$	4,302,467	Meter & Reg Install- New		Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Utilization	Pass	48570	TIMM: Meter & Regulator Install – Replacement	2025	$	3,239,015	Meter & Reg Install- Replacement		Fail	See investment description, IRPAs not applicable
Chatham Area 02 UGL	Div_02 - Chatham	Utilization	Pass	747893	CHAT: Regulator Purchase – Replacements	2025	$	2,554,944	Regulator Purchase – Replacements		Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Utilization	Pass	502199	DIMP LUG Local & Remote First Cut Reg Sets	2025	$	2,522,528	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. The Farm Tap consists of the inlet/outlet riser, a regulator, and a relief. The condition of the Farm Tap population is largely unknown. As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges. 2021 DIMP survey for LUG - potential for some immediates		Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Utilization	Pass	749602	Accelerated AMR Meter upgrade North	2025	$	2,436,131	accelerated replacement of 225 meters with the Itron 225 AMR capable meters in the north regions. Part of the meter reading initiative as per the OEB.		Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Utilization	Pass	48361	LOND: Meter & Regulator Inst Repl-Contractor	2025	$	2,347,318	Meter & Reg Install- Replacement		Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Utilization	Pass	8543	DIMP LEG >400 Series Reg Sets	2025	$	2,130,345	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. There are 62,959 of these meter sets. These sets consist of regulator(s), relief(s), riser, and meter. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications		Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Utilization	Pass	738583	SMC-Meter Purchase & Regulator Replacements - South - Ultra-Sonic	2025	$	1,617,377	Meter & Reg Install- Replacement		Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Utilization	Pass	738584	SMC-Meter Purchases Replacements - North - Ultra-Sonic	2025	$	1,617,377	Meter & Reg Install- Replacement		Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Utilization	Pass	8804	DIMP LEG Local & Remote First Cut Reg Sets	2025	$	1,490,875	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. There are 10,095 Farm Taps. The Farm Tap consists of the inlet/outlet riser, a regulator, and a relief. The condition of the Farm Tap population is largely unknown. As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.		Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Utilization	Pass	738581	SMC-Meter & Regulator Additions North - Ultra-Sonic	2025	$	1,467,113	Meter & Reg Install- New		Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Utilization	Pass	748736	SUDB: Regulator Purchases - Replacement	2025	$	1,461,722	regulator purchases for meter exchanges		Fail	See investment description, IRPAs not applicable
Chatham Area 02 UGL	Div_02 - Chatham	Utilization	Pass	48328	CHAT: Meter & Regulator Install – Replacement	2025	$	1,372,409	Meter & Reg Install- Replacement		Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Utilization	Pass	48298	WIND: Meter & Regulator Inst Repl-Contractor	2025	$	1,338,146	Meter & Reg Install- Replacement		Fail	See investment description, IRPAs not applicable
Sarnia Area 04 UGL	Div_03 - Sarnia	Utilization	Pass	747897	SARN: Meter & Regulator Install – Replacement	2025	$	835,662	Meter & Reg Install- Replacement		Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Utilization	Pass	748738	NBAY: Regulator Purchases - Replacement	2025	$	797,735	regulator purchases for meter exchanges		Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Utilization	Pass	748734	THUN: Regulator Purchases - Replacement	2025	$	718,990	Regulator Purchase for meter exchanges		Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Utilization	Pass	742007	DIMP LEG Service Extensions	2025	$	484,131	Service extensions are steel piping from the regulator outside the building to the meter(s) inside the building. The entry through the building wall is below grade. They are commonly found at urban wall-to-wall premises. The Company currently has around 20,000 service extensions in LEG with estimated 4,000 service extensions in LUG. If service extensions are not cathodically protected they can corrode causing a loss of containment. Since this piping enters the building below grade, there is the risk that a leak can migrate below grade and into the building without detection. There could be a loss of containment within the building with the potential of ignition which could cause a fire and/or explosion. Since 2021, DIMP has conducted PYS survey and condition assessment on known service extensions in LEGD. Condition assessment and PYS survey of ~ 7,000 service extensions identified 117 service extensions with inactive CP with severe corrosion that need remediation work to reduce the risks of having a leak. DIMP is continuing condition assessment and CP survey of remaining service extensions in both LEG and LUG. We estimate that at the end of our inspection program in 2025, we will have 227 Service Extension that require remediation.		Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Utilization	Pass	17969	2026 Assets Downstream of Bulk Meters	2026	$	479,711	The company owns all assets upstream of the meter outlet. However, there are existing configurations where the company has installed underground headers downstream of a bulk meter feeding multiple premises. Some of these headers and services, downstream of the meter, have been maintained by the company since installation without a formal transfer to the customer, while others have been maintained by the customer. In most cases, the customer may not be aware of their responsibility to maintain assets downstream of the meter. This results in:◊ Unknown condition of buried piping. Likely not inspected via leak survey and corrosion survey.◊ Vintage/obsolete regulators. Not exchanged as part of the meter exchange program.◊ Corrosion of regulator set piping. Not inspected as part of the meter exchange program.◊ Issues adhering to current installation specifications. Changes in site conditions and policies over time can result in the regulator set having a number of vent and clearance issues.◊ Records gap. Individual units/premises do not exist in the asset system. This means that leaks and emergencies cannot be assigned to the exact location. Some records for buried pipe are missing or incomplete. All of these potential issues can result in loss of containment, both inside and outside the premise. Loss of containment within the building makes the event of ignition, fire, and explosion possible. Poor records can result in lagging emergency response. There are 82 Bulk Meter Headers in the system. -18 locations are multi-residential sites that had not been maintained since installation, nor delineation formally defined. As of 2018, there are 12 of these locations remaining. -35 locations are farms with industrial fans. -31 locations are large campus sites such as college/university campuses, military bases, industrial campuses.		Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Utilization	Pass	17970	2027 Assets Downstream of Bulk Meters	2027	$	459,548	The company owns all assets upstream of the meter outlet. However, there are existing configurations where the company has installed underground headers downstream of a bulk meter feeding multiple premises. Some of these headers and services, downstream of the meter, have been maintained by the company since installation without a formal transfer to the customer, while others have been maintained by the customer. In most cases, the customer may not be aware of their responsibility to maintain assets downstream of the meter. This results in:◊ Unknown condition of buried piping. Likely not inspected via leak survey and corrosion survey.◊ Vintage/obsolete regulators. Not exchanged as part of the meter exchange program.◊ Corrosion of regulator set piping. Not inspected as part of the meter exchange program.◊ Issues adhering to current installation specifications. Changes in site conditions and policies over time can result in the regulator set having a number of vent and clearance issues.◊ Records gap. Individual units/premises do not exist in the asset system. This means that leaks and emergencies cannot be assigned to the exact location. Some records for buried pipe are missing or incomplete. All of these potential issues can result in loss of containment, both inside and outside the premise. Loss of containment within the building makes the event of ignition, fire, and explosion possible. Poor records can result in lagging emergency response. There are 82 Bulk Meter Headers in the system. -18 locations are multi-residential sites that had not been maintained since installation, nor delineation formally defined. As of 2018, there are 12 of these locations remaining. -35 locations are farms with industrial fans. -31 locations are large campus sites such as college/university campuses, military bases, industrial campuses.		Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Utilization	Pass	741616	Local & Remote First Cut Reg Sets - Div 07	2025	$	456,665	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. . As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.		Fail	See investment description, IRPAs not applicable

Head Office/All	01 - All	Utilization	Pass	17971	2028 Assets Downstream of Bulk Meters	2028	$	429,777	The company owns all assets upstream of the meter outlet. However, there are existing configurations where the company has installed underground headers downstream of a bulk meter feeding multiple premises. Some of these headers and services, downstream of the meter, have been maintained by the company since installation without a formal transfer to the customer, while others have been maintained by the customer. In most cases, the customer may not be aware of their responsibility to maintain assets downstream of the meter. This results in:◊- Unknown condition of buried piping. Likely not inspected via leak survey and corrosion survey.◊- Vintage/obsolete regulators. Not exchanged as part of the meter exchange program.◊- Corrosion of regulator set piping. Not inspected as part of the meter exchange program.◊- Issues adhering to current installation specifications. Changes in site conditions and policies over time can result in the regulator set having a number of vent and clearance issues.◊- Records gap. Individual units/premises do not exist in the asset system. This means that leaks and emergencies cannot be assigned to the exact location. Some records for buried pipe are missing or incomplete. All of these potential issues can result in loss of containment, both inside and outside the premise. Loss of containment within the building makes the event of ignition, fire, and explosion possible. Poor records can result in lagging emergency response. There are 82 Bulk Meter Headers in the system. -18 locations are multi-residential sites that had not been maintained since installation, nor delineation formally defined. As of 2018, there are 12 of these locations remaining. -35 locations are farms with industrial fans. -31 locations are large campus sites such as college/university campuses, military bases, industrial campuses.	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Utilization	Pass	101968	2029 Assets Downstream of Bulk Meters	2029	$	416,473	The company owns all assets upstream of the meter outlet. However, there are existing configurations where the company has installed underground headers downstream of a bulk meter feeding multiple premises. Some of these headers and services, downstream of the meter, have been maintained by the company since installation without a formal transfer to the customer, while others have been maintained by the customer. In most cases, the customer may not be aware of their responsibility to maintain assets downstream of the meter. This results in:◊- Unknown condition of buried piping. Likely not inspected via leak survey and corrosion survey.◊- Vintage/obsolete regulators. Not exchanged as part of the meter exchange program.◊- Corrosion of regulator set piping. Not inspected as part of the meter exchange program.◊- Issues adhering to current installation specifications. Changes in site conditions and policies over time can result in the regulator set having a number of vent and clearance issues.◊- Records gap. Individual units/premises do not exist in the asset system. This means that leaks and emergencies cannot be assigned to the exact location. Some records for buried pipe are missing or incomplete. All of these potential issues can result in loss of containment, both inside and outside the premise. Loss of containment within the building makes the event of ignition, fire, and explosion possible. Poor records can result in lagging emergency response. There are 82 Bulk Meter Headers in the system. -18 locations are multi-residential sites that had not been maintained since installation, nor delineation formally defined. As of 2018, there are 12 of these locations remaining. -35 locations are farms with industrial fans. -31 locations are large campus sites such as college/university campuses, military bases, industrial campuses.	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Utilization	Pass	736034	DIMP LUG >400 Series Reg Sets	2025	$	395,640	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. There are 62,959 of these meter sets. These sets consist of regulator(s), relief(s), riser, and meter. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Utilization	Pass	748735	TIMM: Regulator Purchases - Replacement	2025	$	348,811	Regulator purchases for meter exchanges	Fail	See investment description, IRPAs not applicable
Sarnia Area 04 UGL	Div_03 - Sarnia	Utilization	Pass	748067	SARN: Regulator Purchase – Replacements	2025	$	306,050	Regulator Purchase – Replacements	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Utilization	Pass	9487	Local & Remote First Cut Reg Sets - Area 60	2025	$	296,096	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. The condition of the Farm Tap population is largely unknown. As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Utilization	Pass	748499	Service Extensions - Area 10	2025	$	263,859	Service extensions are steel piping from the regulator outside the building to the meter(s) inside the building. The entry through the building wall is below grade. They are commonly found at urban wall-to-wall premises. The Company currently has around 20,000 service extensions in LEG with estimated 4,000 service extensions in LUG. If service extensions are not cathodically protected they can corrode causing a loss of containment. Since this piping enters the building below grade, there is the risk that a leak can migrate below grade and into the building without detection. There could be a loss of containment within the building with the potential of ignition which could cause a fire and/or explosion. Since 2021, DIMP has conducted PIS survey and condition assessment on known service extensions in LEGD. Condition assessment and PIS survey of ~ 7,000 service extension identified 117 service extensions with inactive CP with severe corrosion that need remediation work to reduce the risks of having a leak. DIMP is continuing condition assessment and CP survey of remaining service extensions in both LEG and LUG. We estimate that at the end of our inspection program in 2025, we will have 227 Service Extension that require remediation.	Fail	See investment description, IRPAs not applicable
Head Office/All	01 - All	Utilization	Pass	749254	Meter Shop Equipment	2025	$	256,943	Purchase new Master Meters for the Turbine Loop in North Bay	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Utilization	Pass	9488	Local & Remote First Cut Reg Sets - Area 80	2025	$	171,295	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. The condition of the Farm Tap population is largely unknown. As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
Brantford Area 07 UGL	Div_06 - Brantford	Utilization	Pass	48386	BRAN: Meter & Regulator Inst Repl-Contractor	2025	$	121,807	Meter & Reg Install- Replacement	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Utilization	Pass	48406	WATE: Meter & Regulator Inst Repl-Contractor	2025	$	121,807	Meter & Reg Install- Replacement	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Utilization	Pass	48439	HAMI: Meter & Regulator Inst Repl-Contractor	2025	$	121,807	Meter & Reg Install- Replacement	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Utilization	Pass	739158	Local & Remote First Cut Reg Sets - Div 01	2025	$	120,175	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. . As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Utilization	Pass	741617	Local & Remote First Cut Reg Sets - Div 17	2025	$	120,175	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. . As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
Brantford Area 07 UGL	Div_06 - Brantford	Utilization	Pass	739100	Local & Remote First Cut Reg Sets - Div 06	2025	$	115,368	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. . As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Utilization	Pass	12284	>400 Series Reg Sets - Area 20	2025	$	107,671	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Utilization	Pass	102818	2025 - LAB FACILITIES UPGRADE	2025	$	96,140	Upgrades for Lab equipment including: temperature probes, pressure monitors and transducers, etc	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Utilization	Pass	12283	>400 Series Reg Sets - Area 10	2025	$	91,765	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
Chatham Area 02 UGL	Div_02 - Chatham	Utilization	Pass	741613	Local & Remote First Cut Reg Sets - Div 02	2025	$	90,131	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. . As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Utilization	Pass	739159	Local & Remote First Cut Reg Sets - Div 04	2025	$	74,509	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. . As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
GTA West Area 50 EGD	50 - Barrie	Utilization	Pass	9486	Local & Remote First Cut Reg Sets - Area 50	2025	$	67,294	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. The condition of the Farm Tap population is largely unknown. As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
Niagara Area 80 EGD	80 - Niagara	Utilization	Pass	12289	>400 Series Reg Sets - Area 80	2025	$	48,941	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
GTA West Area 20 EGD	20 - Mississauga	Utilization	Pass	9483	Local & Remote First Cut Reg Sets - Area 20	2025	$	36,706	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. The condition of the Farm Tap population is largely unknown. As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
Head Office Support	Div_54 - Head Office Support	Utilization	Pass	102709	2025 Odourant Upgrades - ED Units	2025	$	36,630	The expenditures in this portfolio include projects to upgrade odourant systems to ensure compliance to current codes, such as replacing old tanks and painting rusted containment pans and tank stands. Additionally, performance capability will be added by installing heat tracer lines, heated cabinets, improved tank valves and indoor regulator panels. This work will help to ensure safe, compliant and continuous odourization. This forecast will help mitigate the risk of tank rupture, frequent freeze off and nuisance odour calls.	Fail	See investment description, IRPAs not applicable

Halton Area 17 UGL	Div_17 - Halton	Utilization	Pass	741609	>400 Series Reg Sets - Div 17	2025	$	36,053	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Utilization	Pass	741618	Local & Remote First Cut Reg Sets - Div 22	2025	$	36,053	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. . As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
Hamilton Are 16 UGL	Div_16 - Hamilton	Utilization	Pass	739099	Local & Remote First Cut Reg Sets - Div 16	2025	$	32,447	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. . As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
GTA West Area 50 EGD	50 - Barrie	Utilization	Pass	12287	>400 Series Reg Sets - Area 50	2025	$	30,588	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
London Area 04 UGL	Div_04 - London	Utilization	Pass	741606	>400 Series Reg Sets - Div 04	2025	$	30,044	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
GTA East Area 40 EGD	40 - Whitby	Utilization	Pass	9485	Local & Remote First Cut Reg Sets - Area 40	2025	$	26,918	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. The condition of the Farm Tap population is largely unknown. As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
Halton Area 17 UGL	Div_17 - Halton	Utilization	Pass	48464	HALT: Meter & Regulator Inst Repl-Contractor	2025	$	24,361	Meter & Reg Install- Replacement	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Utilization	Pass	12285	>400 Series Reg Sets - Area 30	2025	$	14,682	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Utilization	Pass	739056	Local & Remote First Cut Reg Sets - Div 33	2025	$	14,421	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. . As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
GTA East Area 30 EGD	30 - Richmond Hill	Utilization	Pass	9484	Local & Remote First Cut Reg Sets - Area 30	2025	$	12,235	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. The condition of the Farm Tap population is largely unknown. As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
Windsor Area 02 UGL	Div_01 - Windsor	Utilization	Pass	741604	>400 Series Reg Sets - Div 01	2025	$	9,614	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Utilization	Pass	739057	Local & Remote First Cut Reg Sets - Div 43	2025	$	7,211	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. . As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
GTA East Area 40 EGD	40 - Whitby	Utilization	Pass	12286	>400 Series Reg Sets - Area 40	2025	$	6,118	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
Eastern Area 60 EGD	60 - Ottawa	Utilization	Pass	12288	>400 Series Reg Sets - Area 60	2025	$	6,118	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
GTA East Area 40 EGD	40 - Whitby	Utilization	Pass	748500	Service Extensions - Area 40	2025	$	6,118	Service extensions are steel piping from the regulator outside the building to the meter(s) inside the building. The entry through the building wall is below grade. They are commonly found at urban wall-to-wall premises. The Company currently has around 20,000 service extensions in LEG with estimated 4,000 service extensions in LUG. If service extensions are not cathodically protected they can corrode causing a loss of containment. Since this piping enters the building below grade, there is the risk that a leak can migrate below grade and into the building without detection. There could be a loss of containment within the building with the potential of ignition which could cause a fire and/or explosion. Since 2021, DIMP has conducted P/S survey and condition assessment on known service extensions in LEGD. Condition assessment and P/S survey of ~ 7,000 service extensions identified 117 service extensions with inactive CP with severe corrosion that need remediation work to reduce the risks of having a leak. DIMP is continuing condition assessment and CP survey of remaining service extensions in both LEG and LUG. We estimate that at the end of our inspection program in 2025, we will have 227 Service Extension that require remediation.	Fail	See investment description, IRPAs not applicable
Brantford Area 07 UGL	Div_06 - Brantford	Utilization	Pass	741607	>400 Series Reg Sets - Div 06	2025	$	6,009	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Utilization	Pass	741621	Local & Remote First Cut Reg Sets - Div 46	2025	$	6,009	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. . As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Utilization	Pass	741610	>400 Series Reg Sets - Div 43	2025	$	4,807	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
Sarnia Area 04 UGL	Div_03 - Sarnia	Utilization	Pass	748444	Local & Remote First Cut Reg Sets - Div 03	2025	$	4,807	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
Waterloo Area 07 UGL	Div_07 - Waterloo	Utilization	Pass	748445	>400 Series Reg Sets - Div 07	2025	$	4,807	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
Eastern Area 22 UGL	Div_22 - Kingston	Utilization	Pass	748446	>400 Series Reg Sets - Div 22	2025	$	4,807	These meter sets primarily serve commercial, industrial, and high density residential customers, typically with a meter > 400 series. They require proper operation to ensure gas does not exceed supply pressure. Failure of the regulation system has the potential to cause an over pressure to the customer's supply line and appliances. Over-pressure can result in a loss of containment within the building making the event of ignition, fire, and explosion possible. The condition of these Commercial/Industrial LPDMS is largely unknown. They have not been part of pro-active inspection programs. A survey on a sample population indicated a number of potential issues including: - Old Regulators - Corrosion of piping and regulators - Non-Adherence to installation specifications	Fail	See investment description, IRPAs not applicable
Northwestern Area 45 UGL	Div_45 - Timmins	Utilization	Pass	741620	Local & Remote First Cut Reg Sets - Div 45	2025	$	3,605	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. . As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable
Toronto Area 10 EGD	10 - Toronto	Utilization	Pass	9482	Local & Remote First Cut Reg Sets - Area 10	2025	$	1,224	The Farm Tap regulator purpose is to reduce pressure from XHP/HP to meet the design criteria for the downstream 2nd cut regulator. A malfunctioning Farm Tap regulator has the potential to create downstream hazards. A failure of the regulator set could potentially cause a higher than acceptable pressure entering the customer's premise. This over-pressure can result in downstream customer appliances failing, loss of containment inside the premise, fire, and explosion. The condition of the Farm Tap population is largely unknown. As they are installed away from the premise and near the property line, they are exposed to more elements originating from the roadway. Their placement can also make them susceptible to third party damage from maintenance equipment and vehicles. Farm Taps have not been part of pro-active inspection programs. They historically have not been included in MXGI regulator exchanges.	Fail	See investment description, IRPAs not applicable

STO - UGL	Div_92 - Union North Storage	LNG	Pass	502916	Hagar LNG Tank Boil Off Gas Recovery System	2027	$	10,599,684	Issue/Concern/Opportunity: During sudden atmospheric pressure changes, boil-off gas venting from the liquified natural gas (LNG) storage tank vents occurs frequently. The current boil-off compressor is undersized for Hagar, which is one of Gas Distribution and Storage's (GDS's) largest emitter of unrecovered (or destroyed) natural gas at approximately 590,000 m3/year. The decision on whether the project is justified under greenhouse gas (GHG) compliance or based on the Corporate Emission Reduction Plans is currently in the works. In consideration of EGI's Corporate Emission Reduction Plans and targets, Hagar is a single-point source and can be recovered by installing a single process within the existing LNG facility. Assets: Hagar LNG storage tank Related Investments: Not applicable.	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_92 - Union North Storage	LNG	Pass	743000	Hagar LNG Tank Modifications-Core	2025	$	1,482,535	Issue/Concern/Opportunity: Boil-off gas from the LNG tank is the single largest contributor to methane emissions at Enbridge, current nozzle connections are not sized properly to mitigate the emissions. Faulty pressure relief valve (PRV) isolation valve; stairway/platform not built to current standards; tank does not have redundant PRV capabilities; tank cannot accommodate new LNG plant Justification: Integrity, OPP, increased capabilities Assets: LNG Tank. PRVs. BOG valve. foundation	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_92 - Union North Storage	LNG	Pass	49967	Hagar Desication Skid	2028	$	1,057,140	Issue/Concern: Purification skid building sits in a pool of water due to site water drainage issues and the compressor is still the original unit. Concrete base for the compressor is starting to fail and entire structure and piping should be raised to eliminate standing water in the building. Asset: Desiccation Building Related Program: N/A	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_92 - Union North Storage	LNG	Pass	736938	Hagar Obsolete Electrical-Replace	2026	$	425,091	*Issue/Concern* Electrical assets with finite life expectancy include: (i) electrical distribution (panels, wiring); (ii) Motor Control Centres (MCC's); (iii) Auxiliary Power Units (APU's) & Transfer Switches; (iv) Variable Frequency Drives (VFD's); (v) Phase inverters and Transformers. Many of these assets at the edge of their useful life and like-for-like replacements may not available. Replacement of failed components may require some re-engineering to provide the required functionality. Large electrical assets are replaced, through specific named projects, however small electrical asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete electrical assets, is the most practical way to address end of life issues and to ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a memebr ot the electrical asset sub-class. *Related Program* Not Applicable	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_92 - Union North Storage	LNG	Pass	736939	Hagar Obsolete Instrumentation-Replace	2026	$	425,091	*Issue/Concern* Instrumentation assets with finite life expectancy include: (i) PLC's; (ii) Transmitters & switches; (iii) Actuators; (iv) Human Machine Interfaces (HMI's) & Video Displays. Many of these assets have a short life expectancy and experience planned obsolescence. Like-for-like replacements may not be available and replacement of failed components may require some re-engineering to provide the required functionality. Large instrumentation assets are replaced, through specific named projects, however small instrumentation asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete instrumentation assets, is the most practical way to address end of life issues and ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a member of the control & communication asset sub-class. *Related Program* Not Applicable	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_92 - Union North Storage	LNG	Pass	736935	Hagar Obsolete Mechanical - Replace	2027	$	311,707	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. Once the parts are no longer produced they must be reverse engineered and replaced which normally requires modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor and LNG auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devices. *Related Program* Not Applicable	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_92 - Union North Storage	LNG	Pass	742934	Hagar Dessicant Valve Replacement	2028	$	160,644	Issue/Concern/Opportunity: The Hagar dessicant skid valves were replace in 2018 and it was determined that the temperature differential was deteriorating the new valves. Four valves were replaced in 2019 and it was decided to replace the remaining 4 valves before they become inoperable. Justification: Assets: Hagar Dessicant Skid Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_92 - Union North Storage	LNG	Pass	746675	Hagar KVGR Main Bearing RTD Upgrade	2026	$	158,035	Issue/Concern/Opportunity: Hagar KVGR engine currently has no main bearing temperature monitoring. This was identified as a major risk by the FIMP Reliability team during the Hagar LNG Plant FMEA/RCM sessions. Without main bearing temperature monitoring, a bearing failure could lead to catastrophic failure of the engine including but not limited to crankshaft and crankcase damage, rendering the engine inoperable. If personnel are in the immediate area at the time of the failure, severe injury or death could occur. Liquefaction at the Hagar LNG Plant would not be possible until the engine is replaced. Justification: FIMP Reliability identified the absence of main bearing temperature monitoring as a serious risk in the station FMEA in early 2024. The RPN was 36 (severity 4/4, risk of occurance 3/4, likelihood of detection 3/4). On the STO version of the standardized operation risk matrix this would be a a high risk based on a likelihood of 4 and consequence of 6 for financial . Consequence of 5 based on health and safety (one fatality). Assets: Hagar KVGR Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_92 - Union North Storage	LNG	Pass	735295	Hagar Salt Bath Heater Obsolete Controls	2025	$	83,070	Issue/Concern/Opportunity: Control system does not match the current systems that were installed on the vaporizers and means carrying extra spare parts and no standardization. Justification: Standard equiomnet for burner control systems and currentlv we reolace on averaae at least one scanner a vear.	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_92 - Union North Storage	LNG	Pass	740281	Hagar 412FKR357 Major Overhaul and Foundation Work	2024	$	72,114	Issue/Concern/Opportunity: Inspections by Siemens FSR shows large belly in the frame along with worn bearings, compression cylinders, pistons and other engine and compressor components. Siemens recommends mechanical and civil work to be done Justification: Safety and reliability are a risk with the engine operating as-is. Mechanical and civil work required to restore the engine to peak reliability and safe operation. Assets: 412FKR357 engine and vapourization compressor Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_92 - Union North Storage	LNG	Pass	735292	Hagar Molecular Sieves 3 Way Valve - Replace	2025	$	61,541	Issue/Concern/Opportunity: Valves are original equipment and end of life span . Justification: Issues with packing leaks and parts for service. Assets: Related Investments: There is a project for the entire purification skid building and compressor replacement and it could be added to scope of that work with the required piping changes.	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	LNG	Pass	742643	Hagar Boil Off Compressor PLC Processor & Firmware Upgrades	2026	$	22,677	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	See investment description, IRPAs not applicable
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48715	Dawn C Compression Lifecycle	2029	$	145,658,716	Issue/Concern: **** An Asset Health Review is underway and will inform a third-party Reliability, Availability and Maintainability Study to quantify risks associated with asset failures. These activities will support additional detailed alternatives analysis and final scoping which will in turn inform the project cost estimate, timing and business case. Dawn C Plant is one of the nine centrifugal compressors located at the Dawn Compressor Station. It is primarily used to lift from lower storage pressure levels, experienced later in the operations season, to intermediate pressure levels. The intermediate pressure level is typically elevated further in pressure by another compressor to reach the desired Dawn outlet pressure. Dawn Plant C and Plant D have a suction pressure rating of 195 psig, the lowest rating of the compressor fleet at Dawn. Considering the other compressors at Dawn have a 225 psig minimum inlet rating, Dawn Plants C and D become very critical when pool storage levels fall below 225 psig, as they typically do late in the operational season. Overall, compression can pose a very large consequence of failure as compressors are integral assets required to achieve the Dawn to Parkway Transmission System deliverability requirements throughout the year. The consequence of compressor failure is dominated by gas cost impacts to customers. Transmission system consequences associated with failure of a single compressor are heavily influenced by the time of year, weather severity and time to mitigate the failure. Siemens, the original equipment manufacturer (OEM) of the Dawn C compressor, has indicated that 40 years is the typical timeframe for supporting the supply of engine parts required to recover from a critical engine failure or to complete recommended overhauls. Dawn Plant C was installed in 1984, which indicates that the RB211-24A engine in Plant C is reaching end of life. Justification: By continuing to comply with OEM-recommended Preventive Maintenance (PM) schedules and overhauls, compressor reliability risk is controlled to moderate levels but risk increases gradually over the 25,000-hour recommended interval between overhauls. Availability of parts is essential to repair internal engine failures and complete overhauls. Notably, the RB211-24A in Plant C has non-standard dimensions and cannot be retrofitted with more modern editions of the RB211 without significant plant retrofits. Similar to the 40-year old Dawn Plant B, which was replaced and retired in 2017 due to the risks associated with discontinued OEM support of critical engine parts, it is expected that Dawn Plant C will be exposed to a similar level of risk as the global inventory of spare components diminishes. Assets: Dawn Plant C	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	749207	ECCC 2030 Methane Regulation Compliance Installations & Retrofits	2029	$	68,962,423	Issue/Concern/Opportunity: ECCC has proposed amendments to their methane emission regulations, effective in 2030. In order to remain compliant with these regulations, there requires a series of new installations and retrofits around a variety of STO sites. Justification: Compliance with ECCC Methane Regulation amendments. Assets: Various STO assets.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48732	Waubuno Compression Lifecycle - Core	2027	$	9,017,126	Issue/Concern/Opportunity: The Waubuno compressor elevates available pipeline pressure to the Waubuno Pool Maximum Operating Pressure (MOP). Compression increases the working inventory value of the pool by approximately3.5 PI on top of what the pipeline alone can achieve. The compressor is operated approximately 45 days per year in late summer to early fall to top off the pool. The consequence of compressor failure is dominated by customer impact. Risk associated with failure of the Waubuno compressor is heavily influenced by the level of the pool at which the failure occurs and time to mitigate the failure. The Joy Compressor (manufactured in 1985) was a used compressor package and installed at Waubuno in 1988. The Joy Compressor Company changed ownership approximately 20 years ago whereupon original equipment manufacturer (OEM) support for the compressor was discontinued. Although normal wear components are still available in the marketplace, replacement major compressor items such as cylinders, crankshafts, and rods, etc., required to support a critical failure are no longer available. In the event of a critical failure, sourcing used parts (which are rare) or aftermarket custom machining services would be the only options for repair. This was the case in 2007 when a discharge valve seat failed, resulting in catastrophic damage to cylinder 611. An extensive search across the used parts dealers was required to secure a viable used cylinder head. Other internal damage was repaired through custom machining services. Justification: In the event of a future failure, if usable parts or custom machining are not available, the two options would be custom-designed aftermarket castings (if possible) or replacement of the entire compressor. However, both options would render the compressor out of service for at least one operational season. Assets: Waubuno Compressor Related Programs: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743096	Lobo B C to G Conversion	2027	$	5,876,691	Issue/Concern/Opportunity: The RB211 C model of engine will no longer be supported by Siemens in the next 3-5 years and part availability and obsolescence will be a concern resulting in costly and long repairs. Siemens has developed a replacement that removes the obsolete parts from the C model and replacing them with similar G model components. It is desirable to do this upgrade during a scheduled overhaul so that 3rd party costs are reduced. Justification: The RB211 C Model will become obsolete and industry parts will become harder to obtain. This investment will upgrade the current C model engines to a G model. Assets: Lobo B Related Investments: 48239 Lobo B Overhaul	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743095	Dawn G C to G Conversion	2029	$	5,483,680	Issue/Concern/Opportunity: The RB211 C model of engine will no longer be supported by Siemens in the next 3-5 years and part availability and obsolescence will be a concern resulting in costly and long repairs. Siemens has developed a replacement that removes the obsolete parts from the C model and replacing them with similar G model components. It is desirable to do this upgrade during a scheduled overhaul so that 3rd party costs are reduced. Justification: The RB211 C Model will become obsolete and industry parts will become harder to obtain. This investment will upgrade the current C model engines to a G model. Assets: Dawn G Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	735801	Parkway D Gas Generator Midlife Overhaul	2027	$	5,381,585	Issue/Concern/Opportunity: The consequence of compressor failure is dominated by gas cost impacts to customers. The compressor package is comprised of a gas turbine engine driver, compressor, power turbine and ancillary equipment such as lube oil, fuel supply, and electronic control systems, which are required for the compressor to operate. The gas turbine engine is very complex and carries the greatest failure risk of all of the compressor package components. By continuing to comply with original equipment manufacturer (OEM) recommended Preventive Maintenance (PM) schedules and overhauls, compressor reliability risks are controlled to moderate levels. In the case of performing regular OEM prescribed overhauls, the risk of unit failure is proposed as a sawtooth function, whereby risk increases gradually over the recommended interval between overhauls and then drops suddenly after an overhaul. Critical internal wear components are on a path to failure and generally in sync with operating hours. If the operating hours are extended too far, the resulting additional operational stress on internal components, such as high temperature coatings and bearings, will increase the component scrap rate when performing the overhaul. This will add significant (10 to 20% or more) cost to the base overhaul and increases the risk of a random failure leading to system unreliability and further cost increases. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742852	Dawn Plant D: Improve Injection Performance	2027	$	4,982,197	***2025-2034 AMP*** *Issue/Concern/Opportunity* Plant D has been recently upgraded to produce higher flow capacities during low end withdrawal. The unintended consequence of this upgrade is diminished capability of Plant D during injections. At best, Plant D can now produce 1000 psig discharge pressure during injection - from a 700 psig inlet pressure. Since most reservoirs surrounding Dawn have a final pool pressure that is much greater than 1000 psig, the unit has become very constrained and has been mostly relegated to withdrawal use only. *Justification* Improved utilization of Plant D during injection. Increased utilization will provide Operations with another option during injection and restore the previous utilization that was available prior to the last upgrade. *Assets* Dawn Plant D. *Related Investments* This proposed investment is a supplement to the proposed upgrades of the RB211-24C -to a current production version engine (likely RB211-24G - non-DLE)	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742977	Dawn D C to G Conversion	2027	$	4,706,453	Issue/Concern/Opportunity: The RB211 C model of engine will no longer be supported by Siemens in the next 3-5 years and part availability and obsolescence will be a concern resulting in costly and long repairs. Siemens has developed a replacement that removes the obsolete parts from the C model and replacing them with similar G model components. It is desirable to do this upgrade during a scheduled overhaul so that 3rd party costs are reduced. Justification: The RB211 C Model will become obsolete and industry parts will become harder to obtain. This investment will upgrade the current C model engines to a G model. Assets: Dawn D Related Investments: 733780 Dawn D Overhaul	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	49956	Bright A1 Gas Generator - Mid life Overhaul	2028	$	4,042,005	Issue/Concern/Opportunity: The consequence of compressor failure is dominated by gas cost impacts to customers. The compressor package is comprised of a gas turbine engine driver, compressor, power turbine and ancillary equipment such as lube oil, fuel supply, and electronic control systems, which are required for the compressor to operate. The gas turbine engine is very complex and carries the greatest failure risk of all of the compressor package components. By continuing to comply with original equipment manufacturer (OEM) recommended Preventive Maintenance (PM) schedules and overhauls, compressor reliability risks are controlled to moderate levels. In the case of performing regular OEM prescribed overhauls, the risk of unit failure is proposed as a sawtooth function, whereby risk increases gradually over the recommended interval between overhauls and then drops suddenly after an overhaul. Critical internal wear components are on a path to failure and generally in sync with operating hours. If the operating hours are extended too far, the resulting additional operational stress on internal components, such as high temperature coatings and bearings, will increase the component scrap rate when performing the overhaul. This will add significant (10 to 20% or more) cost to the base overhaul and increases the risk of a random failure leading to system unreliability and further cost increases. Justification: Extension of interval can result in unexpected or catastrophic failure. Assets: RB211-G DLE 1790-863 Related Investments: Not applicable.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743083	Lobo-AMP-Upgrading Shafer Operators to Bettis Operators	2029	$	4,017,348	Issue/Concern: Coming from the OPs team for the 10 year-asset management plan project. Lobo-Upgrading Shafer Operators to Bettis Operators (OBV-1040, OBV-1025, OBV-1020, OBV-1015, OBV-1000, OBV-1010, OBV-1240)	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743137	Parkway-AMP- A Avon upgrade to 200 series	2027	$	3,035,214	Issue/Concern: Coming from the OPs team for the 10 year-asset management plan project. Parkway AMP- A Avon upgrade to 200 series Upgrade to be completed in conjunction with overhaul	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743140	Lobo-AMP-A1 AVON-38123-1535-161G-A5000 upgrade to 200 series	2029	$	2,832,230	Issue/Concern: Coming from the engineering team for the 10 year-asset management plan project. Lobo-AMP-A1 AVON-38123-1535-161G-A5000 upgrade to 200 series. Upgrade to be completed in conjunction with scheduled overhaul	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742294	Dawn Valve 1 Replacement and Piping Modifications	2025	$	2,744,606	Issue/Concern/Opportunity: A stem packing leak was identified at Valve 1 (Dawn South Yard). This valve must be replaced to meet external compliance. A large portion of the surrounding piping would need to be removed/modified due to the orientation from original construction. Associated piping with the Great Lakes Measurement Station will be replaced with a single run. This relates to SAP WO 49008843. Justification: Valve 1 must be replaced to meet external compliance. Furthermore, the Great Lakes Measurement Station is not required. To improve the reliability and integrity of this system, all unnecessary valves and piping will be removed, including two dead legs. Removing the old valves and pipe will reduce the chance of additional leaks. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742445	Lobo OBV-1030-1035 Replace	2026	$	2,551,156	Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Justification: Valves account for over $80k in lost gas per year and require rebuild or replacement as per methane emission regulation. Assets: To be determined on an annual basis. Related Investments: Investment 742649 has been canceled. That scope of work has since been incorporated into this investment.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	738722	Parkway C Power Turbine Replacement	2025	$	2,539,440	Issue/Concern/Opportunity: This investment is required to purchase a new (refurbished) power turbine for Parkway Plant C. The existing power turbine has sustained serious damage and must be taken out of service. Justification: Plant C is critical infrastructure that must be in service by mid-October, and this purchase is required in order to achieve this operational timeline. The existing power turbine will be shipped out and repaired, however the repair is not able to be started until October, and therefore will not be ready for the required service deadline. The repaired unit will be placed into inventory as a spare; it is compatible with a number of the units in our fleet of compression assets. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	49954	Avon 1534 Gas Generator (37433)End-of-Life Overhaul	2026	$	2,358,402	Issue/Concern/Opportunity: The consequence of compressor failure is dominated by gas cost impacts to customers. The compressor package is comprised of a gas turbine engine driver, compressor, power turbine and ancillary equipment such as lube oil, fuel supply, and electronic control systems, which are required for the compressor to operate. The gas turbine engine is very complex and carries the greatest failure risk of all of the compressor package components. By continuing to comply with original equipment manufacturer (OEM) recommended Preventive Maintenance (PM) schedules and overhauls, compressor reliability risks are controlled to moderate levels. In the case of performing regular OEM prescribed overhauls, the risk of unit failure is proposed as a sawtooth function, whereby risk increases gradually over the recommended interval between overhauls and then drops suddenly after an overhaul. Critical internal wear components are on a path to failure and generally in sync with operating hours. If the operating hours are extended too far, the resulting additional operational stress on internal components, such as high temperature coatings and bearings, will increase the component scrap rate when performing the overhaul. This will add significant (10 to 20% or more) cost to the base overhaul and increases the risk of a random failure leading to system unreliability and further cost increases. Justification: Extension of interval can result in unexpected or catastrophic failure Asset: 37433 Related Investments: Not applicable.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742939	Parkway East Blowdown Recovery Compressor	2027	$	2,349,918	Issue/Concern/Opportunity: The site does not have a blowdown recovery unit that were installed at all the other sites. Installing a unit would significantly reduce natural gas blown to atmosphere during compressor blowdowns Justification: The installation of a BDR would reduce the amount of natural gas blown to atmosphere. Assets: Parkway East Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	742860	SCOR:BDS001 171-S-001-Upgrade	2026	$	2,334,459	***2025-2034 AMP*** *Issue/Concern/Opportunity* The blowdown Silencer at SCOR was designed for the operating model that existed in the year 2000. Since then, there have been significant increases in yard piping volume. In addition, there is a section of pipe feeding the BDS with a MOP of 1000 psig. The DOW Header system (1550 MOP) ties into this 1000 psig pipe. Initial assessment shows that, in the worst case, the 1000 psig MOP inlet pipe will easily be exceeded by gas from the DOW Header system. *Justification* MOP Exceedance during an ESD. *Assets* SCOR BDS-001 *Related Investments* Tie-in of the ANR/LINK piping to BDS-001 is a process design issue. This investment would be related to OPP work on ANR/Link.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	736276	Large Diameter - Valve Replacement 2026	2026	$	2,267,694	*Issue/Concern*: Methane regulations were finalized April 26, 2018. AS part of these regulations, Enbridge must evaluate vented methane at all of its compressor stations and complete repairs of all leaks within 30 days. Although many of these leaks are the results of small bore fitting leaks and connections, some are the result of large bore valve leaks to atmosphere or leaks within the piping. If the leak is on an isolation valve to a compressor station, the leak can cause the compressor to pressure up and bleed methane to the atmosphere Justification: This program permits the replacement o these valves, when they are found in the 3x annual leak surveys. . Without upgrade to the associated methane vents EGD will be out of compliance with requirements of the Canadian Environmental Protection Act. *Assets* : Compressor station valves - individual valves have not been identified, at this point *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_92 - Union North Storage	Compression Stations	Pass	101371	Hagar Solar 1 Control Panel Upgrade	2026	$	2,251,748	Issue/Concern/Opportunity: Obsolete control panel Justification: Currently, the compressor plant is controlled by logic relays from 1968. These cannot be replaced and additional safely measures cannot be introduced to bring the controls up to todays standards. Assets: Hagar Solar plant #1 Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48231	Parkway A Gas Generator(38148) End-of-Life Overhaul	2027	$	2,238,739	Issue/Concern/Opportunity: The consequence of compressor failure is dominated by gas cost impacts to customers. The compressor package is comprised of a gas turbine engine driver, compressor, power turbine and ancillary equipment such as lube oil, fuel supply, and electronic control systems, which are required for the compressor to operate. The gas turbine engine is very complex and carries the greatest failure risk of all of the compressor package components. By continuing to comply with original equipment manufacturer (OEM) recommended Preventive Maintenance (PM) schedules and overhauls, compressor reliability risks are controlled to moderate levels. In the case of performing regular OEM prescribed overhauls, the risk of unit failure is proposed as a sawtooth function, whereby risk increases gradually over the recommended interval between overhauls and then drops suddenly after an overhaul. Critical internal wear components are on a path to failure and generally in sync with operating hours. If the operating hours are extended too far, the resulting additional operational stress on internal components, such as high temperature coatings and bearings, will increase the component scrap rate when performing the overhaul. This will add significant (10 to 20% or more) cost to the base overhaul and increases the risk of a random failure leading to system unreliability and further cost increases. Justification: Potential for unexpected or catastrophic failure if timing is extended. Assets: Avon serial 38148 Related Investments: Not applicable.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734150	Large Diameter - Valve Replacement 2025	2025	$	2,222,126	*Issue/Concern*: Methane regulations were finalized April 26, 2018. AS part of these regulations, Enbridge must evaluate vented methane at all of its compressor stations and complete repairs of all leaks within 30 days. Although many of these leaks are the results of small bore fitting leaks and connections, some are the result of large bore valve leaks to atmosphere or leaks within the piping. If the leak is on an isolation valve to a compressor station, the leak can cause the compressor to pressure up and bleed methane to the atmosphere Justification: This program permits the replacement o these valves, when they are found in the 3x annual leak surveys. . Without upgrade to the associated methane vents EGD will be out of compliance with requirements of the Canadian Environmental Protection Act. *Assets* : Compressor station valves - individual valves have not been identified, at this point *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734151	Large Diameter - Valve Replacement 2027	2027	$	2,152,634	*Issue/Concern*: Methane regulations were finalized April 26, 2018. AS part of these regulations, Enbridge must evaluate vented methane at all of its compressor stations and complete repairs of all leaks within 30 days. Although many of these leaks are the results of small bore fitting leaks and connections, some are the result of large bore valve leaks to atmosphere or leaks within the piping. If the leak is on an isolation valve to a compressor station, the leak can cause the compressor to pressure up and bleed methane to the atmosphere Justification: This program permits the replacement o these valves, when they are found in the 3x annual leak surveys. . Without upgrade to the associated methane vents EGD will be out of compliance with requirements of the Canadian Environmental Protection Act. *Assets* : Compressor station valves - individual valves have not been identified, at this point *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743143	Lob-AMP-A1, A2 , and B plant exhaust hood access hatch installation	2027	$	2,131,108	Issue/Concern: Coming from the OPs team for the 10 year-asset management plan project. Lob-AMP-A1, A2 , and B plant exhaust hood access hatch installation	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	736277	Large Diameter - Valve Replacement 2028	2028	$	2,072,823	*Issue/Concern*: Methane regulations were finalized April 26, 2018. AS part of these regulations, Enbridge must evaluate vented methane at all of its compressor stations and complete repairs of all leaks within 30 days. Although many of these leaks are the results of small bore fitting leaks and connections, some are the result of large bore valve leaks to atmosphere or leaks within the piping. If the leak is on an isolation valve to a compressor station, the leak can cause the compressor to pressure up and bleed methane to the atmosphere Justification: This program permits the replacement o these valves, when they are found in the 3x annual leak surveys. . Without upgrade to the associated methane vents EGD will be out of compliance with requirements of the Canadian Environmental Protection Act. *Assets* : Compressor station valves - individual valves have not been identified, at this point *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743089	Lobo-AMP-New valves in main lines	2029	$	2,058,891	Issue/Concern: Coming from the OPs team for the 10 year-asset management plan project. Lobo-AMP-New valves in main lines This will help in planned maintenance throughout the yard. Reason: to achieve double isolation and reduce emissions	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734152	Large Diameter - Valve Replacement 2029	2029	$	2,008,674	*Issue/Concern*: Methane regulations were finalized April 26, 2018. AS part of these regulations, Enbridge must evaluate vented methane at all of its compressor stations and complete repairs of all leaks within 30 days. Although many of these leaks are the results of small bore fitting leaks and connections, some are the result of large bore valve leaks to atmosphere or leaks within the piping. If the leak is on an isolation valve to a compressor station, the leak can cause the compressor to pressure up and bleed methane to the atmosphere Justification: This program permits the replacement o these valves, when they are found in the 3x annual leak surveys. . Without upgrade to the associated methane vents EGD will be out of compliance with requirements of the Canadian Environmental Protection Act. *Assets* : Compressor station valves - individual valves have not been identified, at this point *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12960	SM:100MOD Hdr Valves-Replace	2028	$	1,946,497	*Issue/Concern*: Operations have identified compressor station yard isolation valves that do not have sufficient seal quality to provide isolation during normal maintenance activities or emergency situations. Valve condition is under investigation in the Asset Health Review. Condition assessment results are rudimentary. Leaking valve seals are not necessarily valves that leak to the atmosphere or pose a loss of containment threat. The valves referenced in this business case are those that allow gas to flow, when in the closed position. These leaking valves pose: (i) a process safety threat; (ii) a loss of system performance by creating recycle loops; and (iii) decreased ability to provide a safe work environment for maintenance activities that require double lock and bleed. If valve condition is not maintained at a reasonable level, the ability to isolate assets during an emergency, will be compromised. Valves in question are sometimes used to separate piping with different MOPs. If these valves are allowed to leak, there is an increased threat of overpressuring lower MOP pipe as gas bleeds through the valve from higher MOP pipe. *Asset*: ¼ Turn Isolation valves. There are dozens of these valves in service. *Related Programs*/BCs: Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742912	Dawn Plant C Inlet Scrubber Replacement	2029	$	1,918,284	The existing Dawn Plant C inlet scrubber has reached the end of its life cycle however it can be extended for few more years till 2029 but inspection can be carried out at that time to determine if this can be further extended.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742923	Plant Lobo A2 Inlet Scrubber Replacement	2029	$	1,918,284	The existing Lobo Plant A2 inlet scrubber has reached the end-of its life cycle, however based on inspection the replacement can be deferred few more years upto 2029.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48229	Parkway A PLC Upgrade	2027	$	1,912,320	The Parkway A plant compressor plant is currently being controlled by an Allen Bradley PLC 5. This series of PLCs has been obsolete for several years and replacement parts cannot be purchased any more. This PLC controls the entire plant and the plant cannot be operated with out it. Should a failure happen, the plant will remain unavailable until a usable spare part can be recovered from another plant and installed and configured, rendering the other plant unavailable for use	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	100901	Dawn to Corunna	2025	$	1,870,407	Issue/Concern/Opportunity: EGI recognizes its obligation to meet the firm demands of its customers; and as a result, assets are continually evaluated to identify hazards and to assess risks in order to ensure that they remain reliable, suitable, and fit for continued service. To this end, an Asset Health Review (AHR) was performed in 2018 and updated in 2021 as part of EGI's comprehensive Reliability, Availability and Maintainability (RAM) Study for the Corunna Compressor Station (CCS), which was completed by a consultant. The results of this study indicate that the health and maintainability of certain compressor units at the CCS are in decline. Reasons for this decline include, but are not limited to performance, functional issues with custom components (i.e., spare parts) and wear. As a result of these assessments, EGI has identified increasing obsolescence and reliability risks associated with certain CCS compressor units and is experiencing a need for increased maintenance and repair work to keep the units operational going forward. Further, as a result of the compressor units' obsolescence and reliability issues, EGI has experienced continued and increasing compressor unit downtime and long lead repair time. This has created a need for increased maintenance and repair work performed by EGI personnel at the CCS. EGI has also undertaken comprehensive studies, including a site-wide quantitative risk assessment (QRA) to determine the severity of the increasing safety risks, and has determined that the current configuration of compressor units (which includes multiple compressor units in close proximity within a single building) results in an excessive level of process safety risk. Assets: Compressors K701, K702, K703, K705, K706, K707 and K708 Related Investments: 734634 - Dawn to Corunna (Dawn Tie-in)	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743146	Parkway East Valve 52-01-115 Replacement	2026	$	1,851,572	Issue/Concern/Opportunity: Valve 52-01-115 at Parkway East does not hold pressure. It is one of the primary isolation valves on the NPS 26 Trafalgar Line for the feed towards the Lisgar station , and it provides double isolation between Parkway and Lisgar. In its current condition, it cannot be used as an isolation valve, making isolations more difficult. The replacement valve was purchased several years ago; there is money included in the project forecast to inspect and repair the valve, as it has been sitting unused for a considerable length of time. Installation of the valve has been deferred in the past, due to the cost of construction. Justification: This valve provides double isolation on the NPS 26 Trafalgar line between Parkway and Lisgar. It leaks and cannot currently be used. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742940	Dawn South Blowdown Recovery Unit	2029	$	1,829,829	Issue/Concern/Opportunity: The site does not have a blowdown recovery unit that were installed at all the other sites. Installing a unit would significantly reduce natural gas blown to atmosphere during compressor blowdowns Justification: The installation of a BDR would reduce the amount of natural gas blown to atmosphere. Assets: Dawn South Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742863	DAWN:Power Gas-Convert to N2	2026	$	1,642,534	***2025-2034 AMP*** *Issue/Concern/Opportunity* The central power gas system at Dawn is currently powered by natural gas. This investment supports greenhouse gas emissions reductions targets by eliminating raw gas discharge to the environment when valves are turned in the yard. This investment will allow existing gas/hydraulic actuators to remain in service in the Dawn yard. This investment is considered a cost-effective alternative to replacing over 100 yard valves at Dawn with electric actuators or a similar non-emitting technology. Nitrogen power gas has been selected over air due to its inert nature and the ability to provide redundancy and emergency backup with the existing natural gas supply. *Justification* Reduction of raw methane greenhouse gas emissions from valve actuators *Assets* Dawn North Power Gas System *Related Investments* N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742823	Bright C Rewheel	2027	$	1,479,936	Issue/Concern/Opportunity: The Bright C compressor operating window does not match the operating windows of the other plants at Bright. This makes it a poor fit when other units are running and will lead to very low hours on this unit. We have already seen a failure of the bright C Compressor due to operating it outside of its parameters. SAP WO # 41256064 Justification: The Bright C unit has very little hours on it bec ause there is a small window of operability due to the mismatched compressor wheel. Assets: Bright C Compressor Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743152	Parkway-A-AMP-Asset life cycle- Inlet Plenum (Jet)	2029	$	1,456,289	Issue/Concern: Parkway-A-AMP-Asset life cycle- Inlet Plenum (Jet)--life cycle replacement :35-year of install :1988-expected date of replacement:2023	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743092	Parkway-AMP-Civil Pipe Support Refurbishment - Parkway East	2029	$	1,446,245	Issue/Concern: Coming from the OPs team for the 10 year-asset management plan project. Parkway-AMP-Civil Pipe Support Refurbishment -Parkway East	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742933	Dawn G Exhaust Silencer Replacement	2025	$	1,394,125	Issue/Concern/Opportunity: The Dawn G exhaust silencer was installed in 1993 with the plant and is in need of replacement. There are internal support welds broken and holes in the exterior as found through annual inspections. WO# 40994281 Justification: The exhaust needs to be replaced for continued operation of the plant as well as structural integrity. Assets: Dawn G Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	745841	Lobo station -Construction of Acoustic Barrier (Berm)	2026	$	1,314,716	As per the acoustic assessment report by consultants for Lobo station there is exceedance of noise level following the sound level limits given in the MECP guideline - NPC-300 for the existing receptors with the potential operation of all 5 units. The proposed solution is to build acoustic barrier (berm) on both north side and south side of the plant as shown in the assessment report. The western portion of the existing barrier on the north property will be extended by 80 meters (length) and by 3 meters in height. In addition, the central portion of the existing south berm located southeast of C plant) will be increased in height by 3 meters along the length of 190 meters.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	740935	Parkway 602 Disch Valve - Replace	2025	$	1,288,597	Issue/Concern: The 602 discharge valve associated with A Plant at Parkway is no longer provides adequate seal quality resulting in significant bypassing. Significant volumes of gas are being vented through the plant silencer as a result. Solution Impact: Reduction of Methane emissions, improvement of process safety, improvement to operability and operational reliability.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	742983	SSOM: West Drain Hdr Upgrade	2027	$	1,243,805	Issue/Concern/Opportunity: One of the primary drain headers at Sombra Compressor was originally installed as 1-inch pipe. This is no longer of adequate size to handle the needs of the site. Further, Operations has reported that - due to the narrow ID - this piping regularly plugs with debris rendering it difficult or at times impossible to properly drain down piping and equipment. Justification: Improperly size drain piping can have a significant impact on operability and maintainability of associated piping and equipment, incurring significant added costs. Piping that is plugged or otherwise non-operational can be a process safety hazard. It may also indirectly impact personnel safety as proper venting and draining is not always possible. Assets: Sombra Compressor Station Related Investments: Due to the potential complexities and unknowns associated with the wider drain system at Sombra Compressor Station, this investment focuses on the western section of the plant drain header. An earlier investment for the year prior has been entered to address the eastern portion of the plant.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742951	Parkway C Seal Vent Capture	2026	$	1,196,209	Issue/Concern/Opportunity: Vented methane from dry gas seals is a targeted area of focus for GHG emissions. STO currently meets the targets but it is expected the federal regulations will seek to lower the allowable emission rates. Eliminating this vented gas will reduce our vented emissions. Siemens has a capture system where vented seal gas is compressed and reinjected into the system, resulting in no primary seal leakage. Justification: This investment will reduce vented emissions from dry gas seals. Assets: Parkway C	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742952	Parkway D Seal Vent Capture	2026	$	1,196,209	Issue/Concern/Opportunity: Vented methane from dry gas seals is a targeted area of focus for GHG emissions. STO currently meets the targets but it is expected the federal regulations will seek to lower the allowable emission rates. Eliminating this vented gas will reduce our vented emissions. Siemens has a capture system where vented seal gas is compressed and reinjected into the system, resulting in no primary seal leakage. Justification: This investment will reduce vented emissions from dry gas seals. Assets: Parkway D	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742953	Lobo C Seal Vent Capture	2026	$	1,196,209	Issue/Concern/Opportunity: Vented methane from dry gas seals is a targeted area of focus for GHG emissions. STO currently meets the targets but it is expected the federal regulations will seek to lower the allowable emission rates. Eliminating this vented gas will reduce our vented emissions. Siemens has a capture system where vented seal gas is compressed and reinjected into the system, resulting in no primary seal leakage. Justification: This investment will reduce vented emissions from dry gas seals. Assets: Lobo C	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	8624	SCHT:Control Room-Expand	2027	$	1,194,826	*Issue/Concern* Chatham D was built in 1997. Electrical, communications and instrumentation infrastructure has grown (due to compliance and communication enhancements) since initial installation of the station. Currently, there is insufficient space to accommodate any new devices. Lately, new devices have been installed on a external wall, which is a patch at best. Existing air compressor is approaching the end of it's lifecycle. ESD valves are actuated using compressed air. Existing air compressor is becoming increasingly unreliable and an unplanned failure has the potential to shutdown the entire plant. Air compressor is also too small. The location of Chatham D is a 30 minute drive from SCOR, making valve actuator failures a nuisance. *Asset* Air compressor , Instrumentation *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742950	Dawn H Seal Vent Capture	2027	$	1,135,514	Issue/Concern/Opportunity: Vented methane from dry gas seals is a targeted area of focus for GHG emissions. STO currently meets the targets but it is expected the federal regulations will seek to lower the allowable emission rates. Eliminating this vented gas will reduce our vented emissions. Siemens has a capture system where vented seal gas is compressed and reinjected into the system, resulting in no primary seal leakage. Justification: This investment will reduce vented emissions from dry gas seals. Assets: Dawn H	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742954	Dawn I Seal Vent Capture	2027	$	1,135,514	Issue/Concern/Opportunity: Vented methane from dry gas seals is a targeted area of focus for GHG emissions. STO currently meets the targets but it is expected the federal regulations will seek to lower the allowable emission rates. Eliminating this vented gas will reduce our vented emissions. Siemens has a capture system where vented seal gas is compressed and reinjected into the system, resulting in no primary seal leakage. Justification: This investment will reduce vented emissions from dry gas seals. Assets: Dawn I	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742955	Lobo D Seal Vent Capture	2027	$	1,135,514	Issue/Concern/Opportunity: Vented methane from dry gas seals is a targeted area of focus for GHG emissions. STO currently meets the targets but it is expected the federal regulations will seek to lower the allowable emission rates. Eliminating this vented gas will reduce our vented emissions. Siemens has a capture system where vented seal gas is compressed and reinjected into the system, resulting in no primary seal leakage. Justification: This investment will reduce vented emissions from dry gas seals. Assets: Lobo D	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742729	Dawn Fire Foam Water Pipe and Tank Replacement	2028	$	1,127,201	Issue/Concern/Opportunity: Dawn C, D, E, F, and G fire suppression systems require water for the creation of foam. Some of the water in the storage tanks are discoloured and there may be contaminants in the water which may compromise the ability to create foam. Furthermore, the tanks that hold the water show some corrosion which may further compromise the ability to create foam. Piping and tanks are to be replaced at Dawn C, D, E, F, and G to ensure that there are no contaminants being introduced. Justification: Piping and tanks are to be replaced at Dawn C, D, E, F, and G to ensure that there are no contaminants being introduced. This will ensure that the water is not compromised in the event that foam has to be created for fire suppression. Safety and reliability will be improved as a result of these changes. Assets: Dawn C, D, E, F, and G Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	735627	Bright A1 Scrubber Replacement	2026	$	1,122,508	Issue/Concern/Opportunity: the Bright A1 scrubber is one of the oldest in our transmission fleet. This vessel needs to be manually entered to clean out the mesh and replace the filter pad every few years.. The buckets full of rust shoveled out of the interior and considering the degradation found at the Dawn Plant D scrubber, are all indicator that it is reaching end of life. Justification: Assets: Bright A1 Scrubber Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742949	Bright B Seal Vent Capture	2028	$	1,093,414	Issue/Concern/Opportunity: Vented methane from dry gas seals is a targeted area of focus for GHG emissions. STO currently meets the targets but it is expected the federal regulations will seek to lower the allowable emission rates. Eliminating this vented gas will reduce our vented emissions. Siemens has a capture system where vented seal gas is compressed and reinjected into the system, resulting in no primary seal leakage. Justification: This investment will reduce vented emissions from dry gas seals. Assets: Bright B	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743153	Parkway-A-AMP-Asset life cycle- Oil cooler	2026	$	1,077,155	Issue/Concern: Parkway-A-AMP-Asset life cycle- Oil cooler - engine driven-Model #96EVS, Job No: 87833, Part# 2-05H-018-001, Max design pressure 150 psi@300f, SN#878733.1-life cycle replacement :25-year of install :1988-expected date of replacement:2013	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742956	Bright A1 Seal Vent Capture	2029	$	1,059,576	Issue/Concern/Opportunity: Vented methane from dry gas seals is a targeted area of focus for GHG emissions. STO currently meets the targets but it is expected the federal regulations will seek to lower the allowable emission rates. Eliminating this vented gas will reduce our vented emissions. Siemens has a capture system where vented seal gas is compressed and reinjected into the system, resulting in no primary seal leakage. Justification: This investment will reduce vented emissions from dry gas seals. Assets: Bright A1	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742957	Bright A2 Seal Vent Capture	2029	$	1,059,576	Issue/Concern/Opportunity: Vented methane from dry gas seals is a targeted area of focus for GHG emissions. STO currently meets the targets but it is expected the federal regulations will seek to lower the allowable emission rates. Eliminating this vented gas will reduce our vented emissions. Siemens has a capture system where vented seal gas is compressed and reinjected into the system, resulting in no primary seal leakage. Justification: This investment will reduce vented emissions from dry gas seals. Assets: Bright A2	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742812	Aux 4 Glycol Piping Replacement	2028	$	1,041,594	Issue/Concern/Opportunity: Over the last several years corrosion and coating disbondment has been observed on buried glycol lines of similar types of installation and year of installation resulting in leaks to the environment. Justification: There is a high probability that these lines will leak in the near future based on similar leaks. Future leaks into the ground will contaminate ground water both inside and outside of the Dawn Plant. Assets: Dawn E/G Plant Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743210	Lobo-B-AMP-asset life- Inlet Plenums (Jets)	2029	$	1,039,489	Issue/Concern: Lobo-B-AMP-asset life- Inlet Plenums (Jets)--life cycle replacement :35-year of install :1980-expected date of replacement:2015	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743204	Lobo-B-AMP-asset life- Silencer - Blowdown-Yard Silencer	2028	$	969,045	Issue/Concern: Lobo-B-AMP-asset life- Silencer - Blowdown-Yard Silencer, -life cycle replacement :30-year of install :1990-expected date of replacement:2020	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742928	Dawn G Electric Starter Conversion	2029	$	964,164	Issue/Concern/Opportunity: The natural gas starter on the RB211Cs use natural gas to start the unit which is then discharged to atmosphere. There are new technologies, either electric starters or electric/hydraulic that have no emissions while starting. Justification: Converting the units will eliminate natural gas discharged to the atmosphere. Assets: Dawn G	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	8843	MM:H MI Hi Perf Grafx-Replace	2029	$	962,610	*Issue/Concern* Existing graphics screens have a life expectancy of of 3 to 5 years. Unlike most video equipment, these screens operate 24/7, and regular replacement is advocated to provide optimal alarm and fatigue management. *Asset* Affected asset includes the video display system. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743190	Lobo-A1-AMP-asset life- Silencer - Engine	2029	$	939,055	Issue/Concern: Lobo-A1-AMP-asset life- Silencer - Engine--life cycle replacement :25-year of install :1990-expected date of replacement:2015	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743198	Lobo-A2-AMP-asset life- Silencer - Engine	2029	$	939,055	Issue/Concern: Lobo-A2-AMP-asset life- Silencer - Engine--life cycle replacement :25-year of install :1990-expected date of replacement:2015	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742825	Airport Compressor GAC Structure Improvements	2029	$	921,981	Issue/Concern/Opportunity: The current gas aftercooler structure has lots of rust and is flaking due to its age. Frost heave is also an issue. Justification: Repairing the GAC structure will improve the structural integrity and withstand the load of the aftercoolers. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48275	Dawn E Siemens MCC replacement	2026	$	915,093	The manufacturer has informed us that the equipment is obsolete in favour of a new style. Parts availability is affected. An MCC failure could result in a compressor plant outage for a couple of weeks to complete a temporary repair. Depending on the time of year and system demands, this has the potential for significant losses. These MCCs feed essential motors and equipment which are required to maintain operation.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734142	Methane Leak Remediation : Valve Replacement 2026	2026	$	907,078	Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Justification: Valves account for over $80k in lost gas per year and require rebuild or replacement as per methane emission regulation. Assets: To be determined on an annual basis Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742927	Dawn E Electric Starter Conversion	2028	$	901,678	Issue/Concern/Opportunity: The natural gas starter on the RB211Cs use natural gas to start the unit which is then discharged to atmosphere. There are new technologies, either electric starters or electric/hydraulic that have no emissions while starting. Justification: Converting the units will eliminate natural gas discharged to the atmosphere. Assets: Dawn E	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734143	Methane Leak Remediation : Valve Replacement 2027	2027	$	861,054	Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Justification: Valves account for over $80k in lost gas per year and require rebuild or replacement as per methane emission regulation. Assets: To be determined on an annual basis Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742948	Dawn G Seal Vent Capture	2029	$	846,264	Issue/Concern/Opportunity: Vented methane from dry gas seals is a targeted area of focus for GHG emissions. STO currently meets the targets but it is expected the federal regulations will seek to lower the allowable emission rates. Eliminating this vented gas will reduce our vented emissions. Siemens has a capture system where vented seal gas is compressed and reinjected into the system, resulting in no primary seal leakage. Justification: This investment will reduce vented emissions from dry gas seals. Assets: Dawn G	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742980	Dawn G Ampliflow Addition	2026	$	844,716	Issue/Concern/Opportunity: The Ampliflow systems ensures that clean, dry gas is supplied to the dry gas seals and ensures that adequate pressure is available during pressured hold and start up/shutdown. Ampliflows are standard on all new units and most have been retrofitted on old units across our system. We are seeing increasing particulate in the gas stream which has led to recent dry gas seal failures. Justification: The Ampliflow systems ensures that clean, dry gas is supplied to the dry gas seals and ensures that adequate pressure is available during pressured hold and start up/shutdown Assets: Dawn G Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	744184	Dow A Meter Improvement - Core	2027	$	843,995	Issue/Concern/Opportunity: Dow A pool measurement meters are currently of the AAT-230 type. These types of meters require lots of maintenance to meet current standards. Gas in the pipeline needs to be evacuated at least once a year to do a spin test. If issues arise with meters, gas needs to be vented to inspect/replace these meters. In addition to the meter type, the installation is old and wiring needs to be replaced in order to mitigate measurement failures. Would like to see ultrasonic meters installed at this station with all new wiring required. Justification: Lower maintenance costs as there is no longer a need to do annual spin tests, periodic replacements due to seal expiry. Also the lower GHG emissions from depressurizing piping spool. Assets: Dow A compressor station meters. 2 X AAt-230. Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734144	Methane Leak Remediation : Valve Replacement 2028	2028	$	829,129	Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Justification: Valves account for over $80k in lost gas per year and require rebuild or replacement as per methane emission regulation. Assets: To be determined on an annual basis Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742874	Dawn P1164 Valve Replacement	2029	$	813,513	Issue/Concern/Opportunity: This is an old valve that has a history of leaks due to the age. The scope would be to replace the valve to current standards. This would remediate the existing leaks. Note that this valve is below grade. Justification: Replacement of the valve is required to remediate any existing leaks, which will improve reliability and integrity of the system. WO# 41256160 Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742306	Dawn F and I Recycle Valves to Air	2028	$	805,914	Issue/Concern/Opportunity: Regulations relating to the release of methane and certain volatile organic compounds are moving towards the requirement of methane driven pneumatic controllers and pumps no longer bleeding methane. The regulation requires replacement of installed methane driven high bleed devices with no or low bleed devices. These devices are used to control gas pressure and flow. To reduce methane emissions, the recycle valves will convert from operating off power gas to instrument air. Justification: This is to reduce emissions and maintain compliance.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734145	Methane Leak Remediation : Valve Replacement 2029	2029	$	803,470	Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Justification: Valves account for over $80k in lost gas per year and require rebuild or replacement as per methane emission regulation. Assets: To be determined on an annual basis Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_92 - Union North Storage	Compression Stations	Pass	101493	Hagar Solar 2 Control Panel Upgrade	2026	$	783,216	Issue/Concern/Opportunity: Obsolete control panel Justification: Currently, the compressor plant is controlled by logic relays from 1968. These cannot be replaced and additional safety measures cannot be introduced to bring the controls up to current standards. Assets: Hagar Solar plant #2 Related Investments: 101371	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	748976	Dawn Dehy Glycol Replacement - Core	2025	$	783,216	*Issue/Concern* Glycol efficiency per test sample is at 87% . Minimum acceptable is 96%. *Justification* Dehy efficiency is reduced and imbacts throughput and allowable moisture content *Asset* Dehy Glycol Related Investment: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	8848	SCOR:810001 IDC-Replace 2028	2026	$	779,530	*Issue/Concern* An Industrial Data Center is a central element to modern SCADA systems. IDCs are the central collection point for all SCADA data received at a facility. IDCs store and process data related to HMIs and Video Walls. IDC equipment has a finitely life expectancy of about 5 years - similar to network servers. Failure of the IDC would make SCOR incapable of being controlled remotely and could shutdown the entire station until repairs are made. *Asset* Affected asset is the entire Corunna Station. Failure of SCADA to SCOR could strand as much as half of working volume. *Related Program* Not applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742811	Dawn D Glycol Line Replacement	2027	$	758,804	Issue/Concern/Opportunity: Over the last several years corrosion and coating disbondment has been observed on buried glycol lines of similar types of installation and year of installation resulting in leaks to the environment. Justification: There is a high probability that these lines will leak in the near future based on similar leaks. Future leaks into the ground will contaminate ground water both inside and outside of the Dawn Plant. Assets: Dawn D Plant Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742650	STO Big Data Collection Setup	2029	$	753,253	Issue/Concern/Opportunity: Prepare the necessary infrastructure to begin collecting "Big Data" on our industrial control systems. Start preliminary steps to understand how to analyze this data to achieve greater Gas Turbine Fuel efficiency and Compressor efficiencies. Justification: Currently only small localized data collection is in place on our control systems. This data is not currently gathered and analyzed in a central database mainly due to its cumbersome access and that there is no tools in place to analyze it. Bringing Big data to the control system level will allow for future high performance analytics and potential machine learning. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743205	Lobo-B-AMP-asset life- Silencer - Blowdown-Unit silencer	2029	$	738,188	Issue/Concern: Lobo-B-AMP-asset life- Silencer - Blowdown-Unit silencer, Haggot Kane, Job # 02-7532-90-life cycle replacement :30-year of install :1990-expected date of replacement:2020	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	742270	SSOM: East Drain Hdr Upgrade	2026	$	731,559	Issue/Concern/Opportunity: One of the primary drain headers at Sombra Compressor was originally installed as 1-inch pipe. This is no longer of adequate size to handle the needs of the site. Further, Operations has reported that - due to the narrow ID - this piping regularly plugs with debris rendering it difficult or at times impossible to properly drain down piping and equipment. Justification: Improperly size drain piping can have a significant impact on operability and maintainability of associated piping and equipment, incurring significant added costs. Piping that is plugged or otherwise non-operational can be a process safety hazard. It may also indirectly impact personnel safety as proper venting and draining is not always possible. Assets: Sombra Compressor Station Related Investments: Due to the potential complexities and unknowns associated with the wider drain system at Sombra Compressor Station, this investment focuses on the eastern section of the plant drain header. A subsequent investment the following year will be entered to address the western portion of the plant.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	744604	Dow A Boiler replacement	2025	$	728,780	Issue/Concern/Opportunity: Dow A Boilers are getting close to their end-of-life cycle and getting parts are becoming hard to find for replacement. Justification: Reliability and redundancy required as this is the standard throughout the sites. Assets: Dow A Boiler Related Investments: Dow A Compressor Plant	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	19389	SCOR:810002 IDC-Replace	2028	$	709,132	*Issue/Concern* An Industrial Data Center is a central element to modern SCADA systems. IDCs are the central collection point for all SCADA data received at a facility. IDCs store and process data related to HMIs and Video Walls. IDC equipment has a finite life expectancy of about 5 years - similar to a network server. Failure of the IDC would make SCOR incapable of being controlled remotely and could shutdown the entire station until repairs are made. *Asset* Affected asset is the entire Corunna Station. Failure of SCADA to SCOR could stand as much as half of working volume. *Related Program* Not applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742922	Dawn D Electric Starter Conversion	2028	$	703,203	Issue/Concern/Opportunity: The natural gas starter on the RB211Cs use natural gas to start the unit which is then discharged to atmosphere. There are new technologies, either electric starters or electric/hydraulic that have no emissions while starting. Justification: Converting the units will eliminate natural gas discharged to the atmosphere. Assets: Dawn D	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48224	Sandwich Compressor Overhaul	2027	$	699,606	The consequence of compressor failure is dominated by gas cost impacts to customers. The compressor package is comprised of a gas turbine engine driver, compressor, power turbine and ancillary equipment such as lube oil, fuel supply, and electronic control systems, which are required for the compressor to operate. By continuing to comply with original equipment manufacturer (OEM) recommended Preventive Maintenance (PM) schedules and overhauls, compressor reliability risks are controlled to moderate levels. In the case of performing regular OEM prescribed overhauls, the risk of unit failure is proposed as a saw tooth function, whereby risk increases gradually over the recommended interval between overhauls and then drops suddenly after an overhaul. Critical internal wear components are on a path to failure and generally in sync with operating hours. If the operating hours are extended too far, the resulting additional operational stress on internal components, such as high temperature coatings and bearings, will increase the component scrap rate when performing the overhaul. This will add significant (10 to 20 per cent or more) cost to the base overhaul and increases the risk of a random failure leading to system unreliability and further cost increases.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	742862	SCOR: Power Gas-Convert to N2 (Core)	2026	$	685,744	***2025-2034 AMP*** *Issue/Concern/Opportunity* The central power gas system at SCOR was designed around a minimum pressure of 550 psig. Power gas is sourced from TR1, TR2 and ANR/LINK. TR1 & TR2 are expected to operate at less than 550 psig once TR7 is in-service. ANR/Link is expected to still be able to supply greater than 550 psig into the power gas system, but this situation provides no redundancy. Unforeseen situations may arise (ANR/LINK outage) that could make the ESVs at SCOR ineffective. There is a need to upgrade the power gas system to ensure that ESVs will continue to operate as designed. *Justification* Ensure that TR1 & TR2 can be operated at pressures less than 550 psig, while ensuring reliable operation of ESV valves. *Assets* SCOR Power Gas System *Related Investments* N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742775	Dawn Dehy Glycol Injection Skid Improvements	2028	$	684,032	Issue/Concern/Opportunity: There are currently no anti-foaming agents or ph additives to the glycol. Including these additives will make the glycol more effective at removing moisture in the natural gas. Justification: Adding the anti-foaming agents and ph additives will improve the integrity and reliability of the glycol. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12929	SCOR:641 JWC VFD-Install	2029	$	648,206	*Issue/Concern* Existing K709 and K710 Jacket Water Coolers (JWC) are on/off type fan drives. On/Off fan drives consume more hydro power and create higher demand charges due to in-rush current when starting up, compared to a VFD drive. High torque created during start-up, increases mechanical loads on the JWC structure, leading to increased maintenance. Existing K709 and K710 JWC Fan drives experience higher failure rates that JWC's that have already been converted to VFDs. Being able to operate the fans at lower speeds also reduces noise when ambient temperatures are low - i.e. during the winter. Noise carries farther during the winter because there is no vegetation, air is denser and icy surfaces reflect sound. *Asset* Compressor cooling system *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742870	Dawn E GAC Valve Removals	2029	$	645,990	Issue/Concern/Opportunity: The valves on the outlet of the aftercoolers are leaking and no longer required. The scope would be to remove all the valves at the GAC and replace them with spool pieces. This would be consistent with what was completed at Dawn D. Note that each spool piece is 12-16" diameter and there will be approximately 20 spools to be made. Justification: Removing the valves and putting in spool pieces will reduce the amount of valve maintenance required. Overall reliability of the system will be improved. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742478	Dawn P45 Valve and Actuator Replacement	2026	$	639,490	Issue/Concern/Opportunity: This is an old valve associated with an old Shafer operator. The actuator has suffered from a number of leaks and there have been issues with the valves passing due to the age of the valve. The scope would be to replace the valve and actuator to current standards. This would remediate the existing leaks. Justification: Replacement of the valve and actuator/operator is required to remediate any existing leaks, which will improve reliability and integrity of the system. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742479	Dawn P46 Valve and Actuator Replacement	2026	$	639,490	Issue/Concern/Opportunity: This is an old valve associated with an old Shafer operator. The actuator has suffered from a number of leaks and there have been issues with the valves passing due to the age of the valve. The scope would be to replace the valve and actuator to current standards. This would remediate the existing leaks. Justification: Replacement of the valve and actuator/operator is required to remediate any existing leaks, which will improve reliability and integrity of the system. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742480	Dawn P50 Valve and Actuator Replacement	2026	$	639,490	Issue/Concern/Opportunity: This is an old valve associated with an old Shafer operator. The actuator has suffered from a number of leaks and there have been issues with the valves passing due to the age of the valve. The scope would be to replace the valve and actuator to current standards. This would remediate the existing leaks. Justification: Replacement of the valve and actuator/operator is required to remediate any existing leaks, which will improve reliability and integrity of the system. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742481	Dawn P51 Valve and Actuator Replacement	2026	$	639,490	Issue/Concern/Opportunity: This is an old valve associated with an old Shafer operator. The actuator has suffered from a number of leaks and there have been issues with the valves passing due to the age of the valve. The scope would be to replace the valve and actuator to current standards. This would remediate the existing leaks. Justification: Replacement of the valve and actuator/operator is required to remediate any existing leaks, which will improve reliability and integrity of the system. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742482	Dawn P52 Valve and Actuator Replacement	2026	$	639,490	Issue/Concern/Opportunity: This is an old valve associated with an old Shafer operator. The actuator has suffered from a number of leaks and there have been issues with the valves passing due to the age of the valve. The scope would be to replace the valve and actuator to current standards. This would remediate the existing leaks. Justification: Replacement of the valve and actuator/operator is required to remediate any existing leaks, which will improve reliability and integrity of the system. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101927	High Performance Coating Program 2026	2026	$	634,954	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	13031	SCOR:MCC3 APU PLC-Rplace	2025	$	618,382	*Issue/Concern* The current Allan Bradley SLC50 APU control systems have reached the end of their life cycle and are no longer supported by the manufacturer. APUs are back-up generators. These operating systems need to be converted/upgraded to the new Allan Bradley Control Logix systems. A failure of the SLC50 prevents operations from controlling the associated APU until it can be replaced requiring an entire plant to be shut down during a hydro outage. The SLC50 unit is no longer carried by the manufacturer and refurbished units are difficult to obtain increasing down time in the event of a failure. Replaced SLC50 units can be stored as replacement parts for units still using this device until all replacements are complete. *Assets* Replacement of one SLC50 (APU Control) is needed at SCOR. Existing PLCs are now more than 15 years old. *Related Program* PLC replacement projects are expected to be named projects upon completion of the 10 year plan.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742777	Dawn Dehy Glycol Filtration Improvements	2026	$	612,277	Issue/Concern/Opportunity: A charcoal filter does not exist as part of the glycol filtration system. As a result, the glycol becomes contaminated. Charcoal filter is crucial for removing liquid hydrocarbons, compressor oils, degradation compounds, and other carbon impurities. Adding a charcoal filter will reduce the chance of glycol foaming, excess build-up in vessels and water content. Justification: Adding a charcoal filter will improve the integrity and reliability of the glycol. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	100113	Bright MCR MCC Replacement	2026	$	608,421	The manufacturer has informed us that the equipment is obsolete in favour of a new style. Parts availability is affected. An MCC failure could result in a compressor plant outage for a couple of weeks to complete a temporary repair. Depending on the time of year and system demands, this has the potential for significant losses. These MCCs feed essential motors and equipment which are required to maintain operation.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742909	Bright OBV2270 Valve and Actuator Replacement	2027	$	607,043	Issue/Concern/Opportunity: This is an old valve associated with an old Shafer operator. The actuator has suffered from a number of leaks and there have been issues with the valves passing due to the age of the valve. The scope would be to replace the valve and actuator to current standards. This would remediate the existing leaks. Justification: Replacement of the valve and actuator/operator is required to remediate any existing leaks, which will improve reliability and integrity of the system. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101928	High Performance Coating Program 2027	2027	$	602,738	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743007	Tipperary SCH40 Pipe Replacement	2029	$	599,429	Issue/Concern/Opportunity: Portions of pipe at Tipperary are old and using Schedule 40 pipe. Minimum STO pipe specifications require Schedule 80. Piping to be replaced to meet current standards. Justification: Pipe replacement will meet current standards for STO, ensuring safe and reliable operations. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12928	SCOR:64109 JWC-Replace	2028	$	590,464	*Issue/Concern* Aging jacket water coolers (JWC) have presented an integrity concern, based on visual inspection. Jacket water coolers provide the primary cooling for compressor units. Tubes are relatively thin walled material, thin walls are needed for optimum heat transfer. The cooled glycol is currently shared by all compressors and is known to have experienced low pH levels (corrosive), which, when combine with thin walled tubes, creates the potential for thinning of the tube walls due to wall loss. Wall thinning will increase over time. GAC's are engineered for a specific result, and would require time to revseve engineer technical requirements and procure/install a replacement. Outage would likely be 6 months, which will impact operational reliability. Tubes are technically able to be plugged, but access to the header box is through threaded hex plugs, that have a reputation for not sealing properly ther beig removed. Failure of the GAC cooling fins will also result in an environmental incident, because it is not possible to have secondary containment around these assets. *Asset* Gas Aftercooler tube bundles. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742978	Dawn D Ampliflow Installation	2027	$	586,593	Issue/Concern/Opportunity: The Ampliflow systems ensures that clean, dry gas is supplied to the dry gas seals and ensures that adequate pressure is available during pressured hold and start up/shutdown. Ampliflows are standard on all new units and most have been retrofitted on old units across our system. We are seeing increasing particulate in the gas stream which has led to recent dry gas seal failures. Justification: The Ampliflow systems ensures that clean, dry gas is supplied to the dry gas seals and ensures that adequate pressure is available during pressured hold and start up/shutdown Assets: Dawn D Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	8661	SSOM:622xx Vssl Closure-Upgrade	2031	$	585,523	*Issue/Concern* Older style filter closures are a hazard to personnel because it is difficult to determine whether the filter vessel has been completely depressurized before attempting to open the closure door. Sentry Style closures are the current standard at Storage. These closures reduce the risk that someone could inadvertently attempt to open the filter door, while it still contained pressurized gas. *Asset* Compressor Filter/Separators *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	737238	High Performance Coating - Parkway	2025	$	585,090	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar). Parkway East valves and piping showing corrosion and lack of coating and have been for several years. Need to be remediated to ensure ongoing integrity of pipe and equipment.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742353	Dawn P44 Valve and Actuator Replacement	2028	$	584,536	Issue/Concern/Opportunity: This is an old valve associated with an old Shafer operator. The actuator has suffered from a number of leaks and there have been issues with the valves passing due to the age of the valve. The scope would be to replace the valve and actuator to current standards. This would remediate the existing leaks. Justification: Replacement of the valve and actuator/operator is required to remediate any existing leaks, which will improve reliability and integrity of the system. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	501399	SCOR:541 MOP/OPP-Upgrade	2025	$	581,927	*Issue/Concern* Corunna 2018 wide PHA (HAZOP) identified the need to review the design of " 541-V-733 Flare Gas / Condensate Separator". Refer to Risk ID#56. Maximum Risk Level with Safeguards was 4 out of 5. In 2020 a review was conducted and determined that there are several issues that affect Risk. Several areas with a mismatched MOP were identified. 1. Plant condensate/drain piping ties into 541-V-733 Separator which has a maximum allowable working pressure of 50psig and is protected by a relief valve (541-PSV-069) set at 15psig. This piping originates from pressure vessels operating between 1200 to 1550psig. 2. Blowdown piping from the plant free flow headers also connects to 541-V-733. The MOP of these headers ranges from 900 to 1550psig. 3. The gas outlet of 541-V-733 ties into the blowdown flare header. This flare header can operate at pressures up to 1000psig. A single check valve is installed to prevent backflow. This is not allowed by code. The relief valve (541-PSV-069) installed on 541-V-733 is not sized to protect against overpressure from the 1000psig flare line, which also contravenes code requirements. 4. The blowdown flare knockout skid downstream of the gas outlet from 541-V-733 requires a minimum of 50psig to function as designed. Since 541-V-733 is limited to operating at 15psig by relief valve 541-PSV-069 all gas sent to the separator is vented to atmosphere. *Asset* 541-V-733 Separator *Related Projects* SCOR HAZOP Recommendations C55 Investment 704924 SCOR: Cond. System Upgrade	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101930	High Performance Coating Program 2028	2028	$	580,390	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	8631	SSOM:Instr,Controls-Upgrade	2029	$	580,291	*Issue/Concern* Existing instrumentation at Sombra was installed in 1997. Aging transmitters are approaching end of life. Parts are no longer being manufactured. New transmitters also possess enhanced accuracy and self diagnostics, which reduces maintenance costs. *Asset* Instrumentation at SSOM *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	742263	SCHT: Dehy Maintenance	2027	$	574,687	Issue/Concern/Opportunity: Last completed in 2018, the Chatham D dehydration unit is due for reconditioning. To include replacement of all random packing, chemical flushing, and replacement or reconditioning of tri-ethylene glycol. Justification: Glycol dehydration packages require regular maintenance and replacement TEG and packing in order to continue functioning properly, and to ensure specified dew points can be achieved. Optimizing glycol condition and recirculation rates increases fuel savings, reduces emissions, and ensures asset reliability. Assets: Chatham D dehydration package. Related Investments: Three (3) isolation valves associated with the Contactor Tower are to be replaced through a separate investment. The two projects should be completed together, so as to minimize any duplicated efforts.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	742985	SSOM: 133-MV-7155 Replace	2028	$	573,176	Issue/Concern/Opportunity: 133-MV-7155 isolation valve has reached the end of its anticipated service life and may not be functioning adequately. This valve is used to redirect natural gas flow through the Sombra dehydration unit, and if unable to close properly could allow high dewpoint gas to slipstream through to transmission piping. Justification: Malfunctioning isolation valves prevent process piping from being adequately isolated as intended, and as per process hazard assessments (PHA) conducted to ensure piping systems are designed safely. Ensuring isolation valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: 133-MV-7155	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742979	Dawn E Ampliflow Addition	2028	$	564,844	Issue/Concern/Opportunity: The Ampliflow systems ensures that clean, dry gas is supplied to the dry gas seals and ensures that adequate pressure is available during pressured hold and start up/shutdown. Ampliflows are standard on all new units and most have been retrofitted on old units across our system. We are seeing increasing particulate in the gas stream which has led to recent dry gas seal failures. Justification: The Ampliflow systems ensures that clean, dry gas is supplied to the dry gas seals and ensures that adequate pressure is available during pressured hold and start up/shutdown Assets: Dawn E Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101931	High Performance Coating Program 2029	2029	$	562,429	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742159	Parkway B Siemens Control Panel Obsolete Equipment	2027	$	561,170	Siemens has identified a number of components in the Siemens Unit Control Panel that are obsolete or are nearing obsolescence. Spare parts for obsolete equipment can no longer be purchased and we are relying on internal company spares. Therefore the equipment identified by Siemens should be replaced with the recommended components. The component replacements will bring the panels up to current Siemens standards and will ensure continued support from the OEM.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48274	Dawn G Siemens MCC replacement	2025	$	556,083	The manufacturer has informed us that the equipment is obsolete in favour of a new style. Parts availability is affected. An MCC failure could result in a compressor plant outage for a couple of weeks to complete a temporary repair. Depending on the time of year and system demands, this has the potential for significant losses. These MCCs feed essential motors and equipment which are required to maintain operation.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	8627	SCHT:XV,ESV,Actuators-O/H	2032	$	550,063	*Issue/Concern* Actuators on critical valves, which must either fail closed or fail open during an ESD, are approaching their end of life. SMA input indicates that failures are becoming more frequent. Actuators are not obsolete (yet), so that overhauling the valve actuators is a cost effective option. An actuator failure could shut down a the compressor unit for a short/moderate time period - provided parts are in stock. The location of Chatham D is a 30 minute drive from SCOR, making valve actuator failures a nuisance. About 1% of peak day flow moves through the Chatham D Station. The low deliverability nature of Chatham D, requires that the compressor operate for about 100 days to achieve 0% Working Volume. Peak day flow scenarios require Chatham D to be nearly empty, in order to achieve Peak Flow. Over time, if multiple valves are allowed to fail, the Chatham D Station would be constantly requiring repair and would not be able to achieve the pool inventory position needed to achieve peak flow having a negative impact on deliverability. *Asset* Valve Actuators *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743145	Parkway Portable Blowdown Recovery Compressor	2027	$	548,975	Issue/Concern/Opportunity: The Parkway East compressor station currently does not have a blowdown recovery compressor, so when piping or equipment must be isolated for maintenance activities, the gas must be blown to atmosphere, creating unnecessary methane emissions. This is not desirable for environmental, regulatory and financial reasons. This project is to purchase a portable blowdown recovery compressor unit. The equipment will enable us to isolate sections and to recover the natural gas back into our system. It is more economical than to install a permanent unit, given the complex number of tie-in points that would be necessary. Justification: There is a corporate and regulatory goal to reduce methane emissions. The project will save money (from unnecessary natural gas blowdowns) and methane emissions. The unit being proposed has already been successfully tested on site.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	740371	Lobo B - Hydraulic Fuel Valve Replacement	2025	$	546,868	Issue/Concern/Opportunity: The Lobo B unit RB211 utilizes a Parker/Fisher hydraulic fuel metering valve which are now obsolete and no direct replacements are available. A failure of this valve would result in unplanned downtime for an extended period of time while either the valve was repaired (unknown if this is possible) or the new replacement valve was fitted by Siemens (60 + weeks). Justification: The existing hydraulic fuel metering valve is obsolete and no replacement is available. Replacing this valve would allow the used valve to be retained as a spare for Bright B, Dawn E and Dawn G. Assets: Lobo B Unit Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	740924	SCOR: Condensate System Upgrade	2029	$	546,732	Corunna 2018 wide PHA (HAZOP) identified the need to review the design of " 541-V-733 Flare Gas / Condensate Scrubber". Refer to Risk ID#56. Maximum Risk Level with Safeguards was 4 out of 5. In 2020 a review was conducted and determined that there are several issues that affect Risk. These items include: 1. Condensate lines from compressor separators were installed with buried PN20 (150#) flanges - which limits MOP to 275 psig - and ultimately connects to a 1000 psig MOP flare system. In addition, there are no hydrotest records for this PN20 piping. This MOP mismatch has inadequate OPP 2. Between the condensate lines and the flare system there is a 50psig MAWP vessel (541-V-733), protected by a 15 psig PSV (541-PSV-069). This is yet another MOP mismatch without adequate OPP. 3. 541-V-733 is separated from the 1000 psig MOP flare system with only a check valve. This is not allowed by code.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743023	Dawn Dehy Pipe Replacements	2026	$	546,287	Issue/Concern/Opportunity: There is corrosion on all four glycol supply piping going to the dehy towers. Each piping system consists of 15-20m of NPS 2 piping. Piping to be replaced as well as associated fittings. Justification: Piping replacements will improve the integrity of the glycol supply system for all four dehy towers. Assets: Related Investments: SAP WO 41299438	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743206	Lobo-B-AMP-asset life- Silencer - Blowdown-Stater Silencer	2029	$	537,320	Issue/Concern: Lobo-B-AMP-asset life- Silencer - Blowdown-Stater Silencer, -life cycle replacement :30-year of install :1990-expected date of replacement:2020	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742096	Bright A1 Siemens Control Panel Obsolete Equipment	2028	$	534,168	Siemens has identified a number of components in the Siemens Unit Control Panel that are obsolete or are nearing obsolescence. Spare parts for obsolete equipment can no longer be purchased and we are relying on internal company spares. Therefore the equipment identified by Siemens should be replaced with the recommended components. The component replacements will bring the panels up to current Siemens standards and will ensure continued support from the OEM.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742156	Lobo C Siemens Control Panel Obsolete Equipment	2028	$	534,168	Siemens has identified a number of components in the Siemens Unit Control Panel that are obsolete or are nearing obsolescence. Spare parts for obsolete equipment can no longer be purchased and we are relying on internal company spares. Therefore the equipment identified by Siemens should be replaced with the recommended components. The component replacements will bring the panels up to current Siemens standards and will ensure continued support from the OEM.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742362	Dawn P1023 Valve Replacement	2026	$	530,640	Issue/Concern/Opportunity: This is an old valve that has a history of leaks due to the age. The scope would be to replace the valve to current standards. This would remediate the existing leaks. Justification: Replacement of the valve is required to remediate any existing leaks, which will improve reliability and integrity of the system. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742486	Dawn P1028 Valve Replacement	2026	$	530,640	Issue/Concern/Opportunity: This is an old valve that has a history of leaks due to the age. The scope would be to replace the valve to current standards. This would remediate the existing leaks. Justification: Replacement of the valve is required to remediate any existing leaks, which will improve reliability and integrity of the system. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742871	Dawn P1141 Valve Replacement	2026	$	530,640	Issue/Concern/Opportunity: This is an old valve that has a history of leaks due to the age. The scope would be to replace the valve to current standards. This would remediate the existing leaks. Justification: Replacement of the valve is required to remediate any existing leaks, which will improve reliability and integrity of the system. WO# 41256158 Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	740925	SCOR:171 Emerg Vent System - Upgrade	2025	$	526,468	While addressing the recommendations related to the Corunna 2018 Site Wide PHA (HAZOP), in issue was discovered that did not seem to be caught by the HAZOP. Specifically, 1. The NPS16 piping which connects the Blowdown Silencer (171-S-001) was a proven MOP of only 1000 psig. In addition, the silencer has a MAWP of 1150 psig. As delta Pressuring has evolved, use of the 1550 sig Dow Moore Header has become more prevalent. 1550 psig piping is directly connected to the blowdown system through the Dow Moore EVV (171-EVV-019). Initial assessment shows that the current state of the Dow Moore header system has the potential to overpressure the NPS16 blowdown piping during a station ESD. 2. EVVs connect to 1200 psig headers are separated from the 1550 psig DM Header by only a check valve. This is not allow by code.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_92 - Union North Storage	Compression Stations	Pass	49021	IROQUOIS SOLAR CONTROL PANEL UPGRADE	2028	$	518,206	Issue/Concern: The control system is more important today than ever before in improving the performance and reliability of the gas turbine. Electronic control systems have been the standard in the industry since the 1980s. As many of these components become obsolete, the turbine package may become costly to maintain. The vibration monitors currently installed is now obsolete, parts are limited. Upgrade to current technology which is now being installed in all new compressor builds. Justification: Controller access security protects the system from unauthorized logic modifications. This feature enables different levels of read/write access to the controller according to employee function. • Dynamix 1444 Vibration delivers advanced vibration tools directly to the Solar HMI display. The system delivers wave form, frequency spectrum, phase angle, orbitals, and waterfall plots directly to the display. Users can make better informed decisions to reduce unneeded and unplanned downtime. • HART-enabled IO allows for the automatic configuration of transmitters and fast fault identifications. This can reduce maintenance and end device inventory costs and will shorten the time to install if they need replacement. • Ethernet/IP device level ring increases the data bandwidth making Turbotronic 5 ideal for large data applications. It also quickly identifies faults in the system, and extends the life cycle of the Turbotronic 5 solution. • Shorter delivery time & Reduced site downtime Solar's team takes the lead in developing a clear and well-organized installation plan to minimize downtime at site. The onsite Solar personnel have specialized skills for installing, trouble shooting and recommissioning turbomachinery packages. Solar's home and district offices are fully capable of supporting these field teams globally. Asset: Iroquois Falls Compressor Related Program: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742415	Parkway Gas Dryer Replacement	2025	$	515,753	Issue/Concern/Opportunity: Methane Emissions. The older style of power gas dryer is required to ensure safe and reliable operation of yard valves. The current dryer regenerates bi-monthly. During this regeneration period, there is a large amount of methane vented to atmosphere. This dryer has repetitively been identified during leak surveys as a methane emission even when not regenerating due to leaking purge valves. These valves have been replaced with new and still leak as the design is not sufficient for 100% sealing. Justification: Methane emissions reduction are a priority for Enbridge and reducing our carbon footprint at our storage and transmission stations is measured and tracked every three months. Assets: Parkway power gas dryer	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742097	Bright A2 Siemens Control Panel Obsolete Equipment	2029	$	514,998	Siemens has identified a number of components in the Siemens Unit Control Panel that are obsolete or are nearing obsolescence. Spare parts for obsolete equipment can no longer be purchased and we are relying on internal company spares. Therefore the equipment identified by Siemens should be replaced with the recommended components. The component replacements will bring the panels up to current Siemens standards and will ensure continued support from the OEM.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742157	Lobo D Siemens Control Panel Obsolete Equipment	2029	$	514,998	Siemens has identified a number of components in the Siemens Unit Control Panel that are obsolete or are nearing obsolescence. Spare parts for obsolete equipment can no longer be purchased and we are relying on internal company spares. Therefore the equipment identified by Siemens should be replaced with the recommended components. The component replacements will bring the panels up to current Siemens standards and will ensure continued support from the OEM.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742161	Parkway C Siemens Control Panel Obsolete Equipment	2029	$	514,998	Siemens has identified a number of components in the Siemens Unit Control Panel that are obsolete or are nearing obsolescence. Spare parts for obsolete equipment can no longer be purchased and we are relying on internal company spares. Therefore the equipment identified by Siemens should be replaced with the recommended components. The component replacements will bring the panels up to current Siemens standards and will ensure continued support from the OEM.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742162	Parkway D Siemens Control Panel Obsolete Equipment	2029	$	514,998	Siemens has identified a number of components in the Siemens Unit Control Panel that are obsolete or are nearing obsolescence. Spare parts for obsolete equipment can no longer be purchased and we are relying on internal company spares. Therefore the equipment identified by Siemens should be replaced with the recommended components. The component replacements will bring the panels up to current Siemens standards and will ensure continued support from the OEM.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742385	Iroquois Falls Compressor Control System Upgrade	2029	$	511,791	Issue/Concern/Opportunity: Replace Turbotronic 4 Control System with CNet and Flex I/O, considered life cycle Phase 3 (Noncurrent & Supportable) and will be moving to Phase 4 (Limited Service) in 2027. Replace with Turbotronic 5 Control System. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	742984	SSOM: Vector ESV-6401 Replace	2028	$	487,965	Issue/Concern/Opportunity: Vector transmission emergency shutdown valve (160-ESV-6401) has reached the end of its anticipated service life and may not be functioning adequately. Inability of this ESV to adequately seal prevents proper isolation in an emergency shutdown situation. Justification: Emergency Shutdown Valves are designed to close and isolate connected piping in an emergency scenario. A malfunctioning ESV is therefore a potential process safety hazard. Assets: 160-ESV-6401	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742873	Dawn P1148 Valve Replacement	2028	$	485,041	Issue/Concern/Opportunity: This is an old valve that has a history of leaks due to the age. The scope would be to replace the valve to current standards. This would remediate the existing leaks. Justification: Replacement of the valve is required to remediate any existing leaks, which will improve reliability and integrity of the system. WO# 41256159 Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742780	Bickford GAC Structure Improvements	2026	$	484,584	Issue/Concern/Opportunity: The current gas aftercooler structure has lots of rust and is flaking due to its age. Frost heave is also an issue. Justification: Repairing the GAC structure will improve the structural integrity and withstand the load of the aftercoolers. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12954	SM:100MOV Yard Valve-Replace 2026	2026	$	471,207	*Issue/Concern* Operations have identified compressor station yard isolation valves that to not provide sufficient seal quality that they could be trusted to provide isolation during normal maintenance activities or emergency situations. Valve condition - i.e. it's ability to perform it's intended function - is in scope for the Asset Health Review. Condition assessment results are rudimentary. Leaking valve seals are not necessarily valves that leak to atmosphere or pose a loss of containment threat. Instead, these leaking valves pose: (i) a process safety threat; (ii) a loss of system performance by creating recycle loops; and (iii) decreased ability to provide a safe work environment for maintenance activities that require double lock and bleed. If valve condition is not maintained at a reasonable level, the ability to isolate assets during an emergency, will be compromised. Valves in question are sometimes used to separate piping with different MOPs. If these valves are allowed to leak, there is an increased threat of overpressuring lower MOP pipe as gas bleeds through the valve from higher MOP pipe. *Asset* ¼ Turn Isolation valves . There are dozens of these valves in service. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	8652	LM:MS Wireless Mesh-Install	2025	$	457,889	*Issue/Concern* Many iNET devices are deployed in the field. iNET is suitable for low bandwidth and short distances. These iNET devices typically feed data to a dedicated RF Tower. In the event of a lightning strike at a radio tower, data from associated iNET devices will be lost and control of assets using iNET will fail. *Asset* SCADA *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12952	SM:100MOV Yard Valve-Replace 2027	2027	$	451,402	*Issue/Concern* Operations have identified compressor station yard isolation valves that to not provide sufficient seal quality that they could be trusted to provide isolation during normal maintenance activities or emergency situations. Valve condition - i.e. it's ability to perform it's intended function - is in scope for the Asset Health Review. Condition assessment results are rudimentary. Leaking valve seals are not necessarily valves that leak to atmosphere or pose a loss of containment threat. Instead, these leaking valves pose: (i) a process safety threat; (ii) a loss of system performance by creating recycle loops; and (iii) decreased ability to provide a safe work environment for maintenance activities that require double lock and bleed. If valve condition is not maintained at a reasonable level, the ability to isolate assets during an emergency, will be compromised. Valves in question are sometimes used to separate piping with different MOPs. If these valves are allowed to leak, there is an increased threat of overpressuring lower MOP pipe as gas bleeds through the valve from higher MOP pipe. *Asset* ¼ Turn Isolation valves . There are dozens of these valves in service. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743086	Lobo- AMP-Ice breakers on roof for units	2025	$	445,657	Issue/Concern: Coming from the OPs team for the 10 year-asset management plan project. Lobo- AMP-Ice breakers on roof for units.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	501151	Bright A2 GGLO scheduling valve & controller replacement	2026	$	440,451	When the compressor plant was installed, the oil scheduling valve and controller we being made obsolete but the OEM. Siemens had no approved alternative, so the old valve and controller were installed. There have been several failures in recent years. The replacement valve and controller is not a direct replacement	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	8850	SSOM:810001 IDC-Replace	2028	$	429,777	*Issue/Concern* An Industrial Data Center is a central element to modern SCADA systems. IDCs are the central collection point for all SCADA data received at a facility. IDCs store and process data related to HMIs and Video Walls. During Disaster Recovery, SSOM is intended to be able to operate SCOR remotely. SSOM has insufficient IDC capability for a Disaster Recovery Site (DRS). Existing IDC at SSOM is poorly located with inadequate security and inadequate cooling air supply. IDC equipment has a finitely life expectancy of about 5 years. Failure of the IDC would make SSOM incapable of being controlled remotely and could shutdown the entire station until repairs are made. *Asset* Affected asset is the entire Sombra Station. Failure of SCADA to SSOM could strand 20% of working volume. *Related Program* Not applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**12864**	SCOR:Unit Pre-Heat-Convrt 2028	**2028**	$	424,405	*Issue/Concern* Currently, all SCOR compressor units share the same glycol coolant - Dowtherm SR1 - and are connected together through a common piping network, which is also connected to the boiler. Coolant being used is the wrong product for compressor equipment, it is intended for building heating systems. OEM recommended product is called NorKool. A consequence of the misapplied coolant product is cavitation pitting which occurs often on the outside surface of power cylinder liners. This pitting appears as small pinholes forming in the liner. A consequence of the piping network that connects all the compressor units and the boiler together is that all units are exposed to the same glycol contaminants. Without mitigation of the cavitation problem, cavitation induced pinholes will penetrate completely through the power cylinder liner. Holes in the power cylinder liners will allow two things to occur: (i) combustion chamber contents (fuel gas, exhaust gases, and air) will enter the glycol piping network (including the boiler) and (ii) glycol has the potential to contaminate lube. *Asset* Compressor heating and cooling system. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**12975**	SCOR: K711 Bypass-Unit Valves	**2028**	$	424,405	Unit Valves: Unit valves are in place to isolate compressor units from other plant piping. These valves are no longer functioning adequately and are in need of replacement. Bypass Valves: All compressor units at Corunna Compressor Station employ a loading/recycle valve (aka Bypass Valve) which is utilized to gradually build up a pressure differential across the compressor during startup. Ball valves are currently installed in this service, which are not intended for the type of throttling operation being employed. Additionally, associated valve actuators provide ramp rates that vary on a day-to-day basis. This inconsistent operation leads to failed start attempts. Early wear and damage to valves seats can occur when ball valves are used for extended periods of throttling. This can create a permanent recycle flow which wastes fuel and results in diminished system performance. *Assets* K-711 Compressor Unit & Recycle Valves 66211-MV-001/002/003 *Related Program* Valves to be replaced on an annual basis. K-704 in 2025 K-709 in 2026 K-710 in 2027 K-711 in 2028	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742998**	DOW A GAC Replacement	**2028**	$	423,270	Issue/Concern/Opportunity: Existing GAC at DOW A is deteriorating and has reached end of life. Justification: GAC replacement would ensure compressed gas is properly cooled. This would improve the safety and reliability of the system. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**17204**	SM:100MOV Yard Valve-Replace 2028	**2028**	$	422,158	*Issue/Concern* Operations have identified compressor station yard isolation valves that to not provide sufficient seal quality that they could be trusted to provide isolation during normal maintenance activities or emergency situations. Valve condition - i.e. it's ability to perform it's intended function - is in scope for the Asset Health Review. Condition assessment results are rudimentary. Leaking valve seals are not necessarily valves that leak to atmosphere or pose a loss of containment threat. Instead, these leaking valves pose: (i) a process safety threat; (ii) a loss of system performance by creating recycle loops; and (iii) decreased ability to provide a safe work environment for maintenance activities that require double lock and bleed. If valve condition is not maintained at a reasonable level, the ability to isolate assets during an emergency, will be compromised. Valves in question are sometimes used to separate piping with different MOPs. If these valves are allowed to leak, there is an increased threat of overpressuring lower MOP pipe as gas bleeds through the valve from higher MOP pipe. *Asset* ¼ Turn Isolation valves . There are dozens of these valves in service. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**12978**	SCOR: K709 Bypass-Unit Valves	**2026**	$	413,751	*Issue/Concern* Unit Valves: Unit valves are in place to isolate compressor units from other plant piping. These valves are no longer functioning adequately and are in need of replacement. Bypass Valves: All compressor units at Corunna Compressor Station employ a loading/recycle valve (aka Bypass Valve) which is utilized to gradually build up a pressure differential across the compressor during startup. Ball valves are currently installed in this service, which are not intended for the type of throttling operation being employed. Additionally, associated valve actuators provide ramp rates that vary on a day-to-day basis. This inconsistent operation leads to failed start attempts. Early wear and damage to valves seats can occur when ball valves are used for extended periods of throttling. This can create a permanent recycle flow which wastes fuel and results in diminished system performance. *Assets* K-709 Compressor, Unit & Recycle Valves 62209-MV-001/002/003 *Related Program* Valves to be replaced on an annual basis. K-704 in 2025 K-709 in 2026 K-710 in 2027 K-711 in 2028	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**12955**	SM:100MOV Yard Valve-Replace 2029	**2029**	$	409,090	*Issue/Concern* Operations have identified compressor station yard isolation valves that to not provide sufficient seal quality that they could be trusted to provide isolation during normal maintenance activities or emergency situations. Valve condition - i.e. it's ability to perform it's intended function - is in scope for the Asset Health Review. Condition assessment results are rudimentary. Leaking valve seals are not necessarily valves that leak to atmosphere or pose a loss of containment threat. Instead, these leaking valves pose: (i) a process safety threat; (ii) a loss of system performance by creating recycle loops; and (iii) decreased ability to provide a safe work environment for maintenance activities that require double lock and bleed. If valve condition is not maintained at a reasonable level, the ability to isolate assets during an emergency, will be compromised. Valves in question are sometimes used to separate piping with different MOPs. If these valves are allowed to leak, there is an increased threat of overpressuring lower MOP pipe as gas bleeds through the valve from higher MOP pipe. *Asset* ¼ Turn Isolation valves . There are dozens of these valves in service. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**102032**	SCOR:61009 Top End-O/H incl. Cam Upgrade	**2028**	$	408,288	*Issue/Concern* Compressors are rotating equipment that is designed with inexpensive components intended to wear preferentially. This preferential wear then preserves the condition of large and expensive components. Overhauls are performed at regular intervals - in accordance with the OEM recommended preventative maintenance schedules - to replace wear items. Typically, an inspection is performed prior to performing an overhaul. Without regular replacement of wear items, reliability will diminish drastically. If wear items are not replaced to be within OEM tolerances, then subsequent damage to main compressor components will result - which is a much costlier outcome. *Asset* K709 compressor unit. Engine Top End components subject to replacement include (but are not limited to): cylinder heads, intake/exhaust/start valves, fuel valves. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**102033**	SCOR:61011 Top End-O/H incl. Cam Upgrade	**2028**	$	408,288	*Issue/Concern* Compressors are rotating equipment that is designed with inexpensive components intended to wear preferentially. This preferential wear then preserves the condition of large and expensive components. Overhauls are performed at regular intervals - in accordance with the OEM recommended preventative maintenance schedules - to replace wear items. Typically, an inspection is performed prior to performing an overhaul. Without regular replacement of wear items, reliability will diminish drastically. If wear items are not replaced to be within OEM tolerances, then subsequent damage to main compressor components will result - which is a much costlier outcome. *Asset* K711 compressor unit. Engine Top End components subject to replacement include (but are not limited to): cylinder heads, intake/exhaust/start valves, fuel valves. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**102034**	SCOR:61010 Top End-O/H incl. Cam Upgrade	**2028**	$	408,288	*Issue/Concern* Compressors are rotating equipment that is designed with inexpensive components intended to wear preferentially. This preferential wear then preserves the condition of large and expensive components. Overhauls are performed at regular intervals - in accordance with the OEM recommended preventative maintenance schedules - to replace wear items. Typically, an inspection is performed prior to performing an overhaul. Without regular replacement of wear items, reliability will diminish drastically. If wear items are not replaced to be within OEM tolerances, then subsequent damage to main compressor components will result - which is a much costlier outcome. *Asset* K710 compressor unit. Engine Top End components subject to replacement include (but are not limited to): cylinder heads, intake/exhaust/start valves, fuel valves. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**8632**	SSOM:GAC Fan-Upgrade	**2025**	$	407,771	*Issue/Concern* Existing Gas Aftercoolers (GAC) are on/off type fan drives. On/Off fan drives consume more hydro power and create higher demand charges due to in-rush current when starting up, compared to a VFD drive. High torque created during start-up, increases mechanical loads on the GAC structure, leading to increased maintenance. Being able to operate the fans at lower speeds also reduces noise when ambient temperatures are low - i.e. during the winter. Noise carries farther during the winter because there is no vegetation, air is denser and icy surfaces reflect sound. *Asset* Compressor cooling system *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742308**	Lobo A1, A2, and B Recycle Valves to Air	**2028**	$	404,200	Issue/Concern/Opportunity: Regulations relating to the release of methane and certain volatile organic compounds are moving towards the requirement of methane driven pneumatic controllers and pumps no longer bleeding methane. The regulation requires replacement of installed methane driven high bleed devices with no or low bleed devices. These devices are used to control gas pressure and flow. To reduce methane emissions, the recycle valves will convert from operating off power gas to instrument air. Justification: This is to reduce emissions and maintain compliance.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742487**	Dawn P1029 Valve Replacement	**2028**	$	402,584	Issue/Concern/Opportunity: This is an old valve that has a history of leaks due to the age. The scope would be to replace the valve to current standards. This would remediate the existing leaks. Justification: Replacement of the valve is required to remediate any existing leaks, which will improve reliability and integrity of the system. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742130**	Bright C Siemens Control Panel Obsolete Equipment	**2030**	$	401,735	Siemens has identified a number of components in the Siemens Unit Control Panel that are obsolete or are nearing obsolescence. Spare parts for obsolete equipment can no longer be purchased and we are relying on internal company spares. Therefore the equipment identified by Siemens should be replaced with the recommended components. The component replacements will bring the panels up to current Siemens standards and will ensure continued support from the OEM.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**12974**	SCOR: K710 Bypass-Unit Valves	**2027**	$	396,360	Unit Valves: Unit valves are in place to isolate compressor units from other plant piping. These valves are no longer functioning adequately and are in need of replacement. Bypass Valves: All compressor units at Corunna Compressor Station employ a loading/recycle valve (aka Bypass Valve) which is utilized to gradually build up a pressure differential across the compressor during startup. Ball valves are currently installed in this service, which are not intended for the type of throttling operation being employed. Additionally, associated valve actuators provide ramp rates that vary on a day-to-day basis. This inconsistent operation leads to failed start attempts. Early wear and damage to valves seats can occur when ball valves are used for extended periods of throttling. This can create a permanent recycle flow which wastes fuel and results in diminished system performance. *Assets* K-710 Compressor Unit & Recycle Valves 66210-MV-001/002/003 *Related Program* Valves to be replaced on an annual basis. K-704 in 2025 K-709 in 2026 K-710 in 2027 K-711 in 2028	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**739291**	SCOR: Link ESV-009 Replace	**2025**	$	395,761	Issue/Concern/Opportunity: A below grade lease edge emergency shutdown valve (160-ESV-009) on the Link pipeline no longer seals adequately and is bypassing when closed. The valve is also nearing the end of its expected service life having been installed in 1995. This valve requires replacement. Justification: A lease edge shutdown valve is required to close in an emergency. Its function requires that it seals adequately. Assets: Link ESDV Asset Tag: 160-ESV-009	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**740428**	Siemens Valve Controllers Replacement - Dawn H-Core	**2026**	$	394,827	Related Investments: Issue/Concern/Opportunity: Siemens has issued a service bulletin stating that as of July 2020 they will no longer support valve controllers required for permissive in the start sequence of their compressors. There are three controllers, servicing 3 valves on each engine skid. Each valve/controller combination is unique in operation with no redundancy. If one controller fails, it must be replaced and the unit will be unavailable until the replacement and set-up is complete Justification: Neither Siemens not the original equipment manufacturer will support spare parts or repairs of the old valve controllers. and each unit requires three to operate. We have had three failed controllers in the last operating year. Assets: Dawn H Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**743054**	SCOR: Equipment Isolation (2029)	**2029**	$	390,444	Issue/Concern/Opportunity: Blanket Investment intended to capture the cost of replacing aging and malfunctioning valves at Corunna Compressor Station. Given the age of infrastructure at this location, these replacements are anticipated to be required within this timeline. This includes valves associated with primary equipment isolation, as well as isolation of secondary processes, safety systems, and instrumentation. Justification: Malfunctioning isolation valves prevent process piping from being adequately isolated as intended, and as per process hazard assessments (PHA) conducted to ensure piping systems are designed safely. Inadequate isolation on pressure vessels increases maintenance costs of the associated piping system and may contribute to unsafe practices. Ensuring isolation valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: Corunna Compressor Station Pressure vessels, tanks, bypasses, pressurizing bridles, primary and secondary process header isolations.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743226**	Bright-AMP-Replace A1/A2 horizontal GG primary fuel gas filter housings	**2026**	$	385,508	Issue/Concern: Bright-A1/A2-AMP-Asset life cycle- Filters-Fuel filter, in the yard-life cycle replacement :40-year of install :1973-expected date of replacement:2013	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**12953**	SCOR: Link MOD Valves - Replace	**2026**	$	380,435	*Issue/Concern* Operations have identified compressor station yard isolation valves that do not have sufficient seal quality to provide isolation during normal maintenance activities or emergency situations. Valve condition is under investigation in the Asset Health Review. Condition assessment results are rudimentary. Leaking valve seals are not necessarily valves that leak to atmosphere or pose a loss of containment threat. The valves referenced in this business case are those that allow gas to flow, when in the closed position. These leaking valves pose: (i) a process safety threat (ii) a loss of system performance by creating recycle loops (iii) decreased ability to provide a safe work environment for maintenance activities that require double lock and bleed. If valve condition is not maintained at a reasonable level, the ability to isolate assets during an emergency, will be compromised. Valves in question are sometimes used to separate piping with different MOPs. If these valves are allowed to leak, there is an increased threat of over pressuring lower MOP pipe as gas bleeds through the valve from higher MOP pipe. *Asset* Pool/Compressor header mode (MOD) valves providing isolation to the ANR/Link plant piping. 1/4 turn isolation valves. There are dozens of these valves in service. *Related Program* SM: 100MOV Yard Valve-Replace 2025 LM: Leaking Valves - Replace	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**746718**	Parkway A-discharge pit I-beam replacement	**2025**	$	377,150	Issue/Concern: Load bearing I-beams in the discharge pit of A plant are rusted and in bad shape. Noticed on the JHSC monthly inspection. Also, there is no proper lighting in the pit to fix this issue as well as for the day-to-day operations. Solution: Remove and replace the corroded beam as well as replace the old lights withe new LED lights. Solution Impact: improvement of process safety, improvement to operability and operational reliability, avoid the roof collapsing in the future. NOTE: The original investment was created to replace the I-Beam only and did not include any scope to address the root causes of the corrosion issues. The alternative has been updated to accommodate these changes.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**749544**	Heritage Pool Compressor Electrification (Core)	**2026**	$	368,950	Issue/Concern/Opportunity: This project will replace the existing natural gas-driven engine at Heritage pool compressor with an electric motor drive (EMD). Includes removal of the existing engine, new motor, motor drive controller, and hydro service. Justification: This project is being majority funded by the Ontario Ministry of Environment, Conservation, and Parks' "Emissions Performance Program". Assets: Heritage Pool Compressor. Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - EGD	70 - Storage	Compression Stations	Pass	12979	SCOR:K704 Bypass-Unit Valves	2026	$	367,412	*Issues/Concerns* Unit Valves: Unit valves are in place to isolate compressor units from other plant piping. These valves are no longer functioning adequately and are in need of replacement. Bypass Valves: All compressor units at Corunna Compressor Station employ a loading/recycle valve (aka Bypass Valve) which is utilized to gradually build up a pressure differential across the compressor during startup. Ball valves are currently installed in this service, which are not intended for the type of throttling operation being employed. Additionally, associated valve actuators provide ramp rates that vary on a day-to-day basis. This inconsistent operation leads to failed start attempts. Early wear and damage to valves seats can occur when ball valves are used for extended periods of throttling. This can create a permanent recycle flow which wastes fuel and results in diminished system performance. *Assets* K-704 Compressor Unit & Recycle Valves 62204-MV-001/002/003 K-709 Compressor Unit & Recycle Valves 62209-MV-001/002/003 K-710 Compressor Unit & Recycle Valves 66210-MV-001/002/003 K-711 Compressor Unit & Recycle Valves 66211-MV-001/002/003 *Related Program* Valves to be replaced on an annual basis. K-704 in 2025 K-709 in 2026 K-710 in 2027 K-711 in 2028	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101571	Obsolete PLC Program Upgrade 2026	2026	$	362,831	Currently various plants and stations are being controlled by an Allen Bradley PLC5. These units have been obsolete, for some time and spare parts can no longer be purchased. Therefore the PLC should be replaced with an Allen Bradley ControLogix PLC, which is the standard on all of our new stations. Spare parts are available and easily accessible.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - EGD	70 - Storage	Compression Stations	Pass	502781	SCOR:541 Drainage System-Upgrade	2025	$	362,541	*Issue/Concern* Storm water drainage is managed by a system of sump pumps which feed to the oily water separator, and finally is discharged to the fire pond (541-T-170) through a small pump (541-P-029). There are other "non-storm water" fluid sources that enter oily eater separator. During heavy rains, 541-P-029 has insufficient peak capacity, which results in uncontrolled overflow from the primary chamber of the oil water separator to the ground. Overflow appears to enter a nearby catch basin, which then flow through a drainage pipe network - directly into the ditch along Tecumseh Rd. In addition, compressor basements are prone to flooding during heavy weather. An ECA is in place which limits the discharge from the fire pond to the Tecumseh Rd ditch to 50,000 l/day. Operations has a traceable program to ensure that the controlled discharge is within allowable limits, but the uncontrolled overflow from the oily water separator is actually additional discharge that is neither recorded nor recognized. Uncontrolled overflow also is not subjected to a screening for "sheen", which is a requirement of the ECA. While the oily water separator design is such that the uncontrolled discharged is almost certainly clean enough to be discharged to the ditch, it cannot be proven, and as a result could be viewed as a contravention of the existing ECA. *Asset* 541-P-029 *Related Program* None Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	501149	Bright A1 GGLO valve & Controller replacement	2026	$	353,158	When the compressor plant was installed, the oil scheduling valve and controller we being made obsolete but the OEM. Siemens had no approved alternative, so the old valve and controller were installed. There have been several failures in recent years. The replacement valve and controller is not a direct replacement	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - EGD	70 - Storage	Compression Stations	Pass	740932	SCOR:Convert Units to Norcool	2025	$	349,960	*Issue/Concern* Currently, all SCOR compressor units share the same glycol coolant - Dowtherm SR1 - and are connected together through a common piping network, which is also connected to the boiler. Coolant being used is the wrong product for compressor equipment, it is intended for building heating systems. OEM recommended product is called NorKool. A consequence of the misapplied coolant product is cavitation pitting which occurs often on the outside surface of power cylinder liners. This pitting appears as small pinholes forming in the liner. A consequence of the piping network that connects all the compressor units and the boiler together is that all units are exposed to the same glycol contaminants. Without mitigation of the cavitation problem, cavitation induced pinholes will penetrate completely through the power cylinder liner. Holes in the power cylinder liners will allow two things to occur: (i) combustion chamber contents (fuel gas, exhaust gases, and air) will enter the glycol piping network (including the boiler) and (ii) glycol has the potential to contaminate lube. *Asset* Compressor heating and cooling system. *** Update 20230414 *** Building glycol was replaced around 2020. Quality of the replacement glycol is suspect. Now the o-rings at the base of the power cylinders is deteriorating rapidly and cavitation severity has increased. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - EGD	70 - Storage	Compression Stations	Pass	12916	SCOR:62011 Comp-Major O/H	2028	$	349,194	*Issue/Concern* Compressors are rotating equipment that is designed with inexpensive components intended to wear preferentially. This preferential wear then preserves the condition of large and expensive components. Overhauls are performed at regular intervals - in accordance with the OEM recommended preventative maintenance schedules - to replace wear items. Typically, an inspection is performed prior to performing an overhaul. Without regular replacement of wear items, reliability will diminish drastically. If wear items are not replaced to be within OEM tolerances, then subsequent damage to main compressor components will result - which is a much costlier outcome. *Asset* K711 compressor unit. Compressor components subject to replacement include (but are not limited to): packing glands, compressor rods, rider bands, pistons, cross heads, compressor valves and cylinder liners. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101572	Obsolete PLC Program Upgrade 2027	2027	$	344,421	Currently various plants and stations are being controlled by an Allen Bradley PLC5. These units have been obsolete, for some time and spare parts can no longer be purchased. Therefore the PLC should be replaced with an Allen Bradley ControLogix PLC, which is the standard on all of our new stations. Spare parts are available and easily accessible.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48271	Enniskillen Pool PLC Upgrade-Core	2025	$	341,809	Currently Enniskillen station is being controlled by an Allen Bradley PLC5. These units have been obsolete, for some time and spare parts can no longer be purchased. Therefore the PLC should be replaced with an Allen Bradley ControLogix PLC, which is the standard on all of our new stations. Spare parts are available and easily accessible	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	501153	Parkway B GGLO scheduling valve & controller replacement	2026	$	338,629	When the compressor plant was installed, the oil scheduling valve and controller we being made obsolete but the OEM. Siemens had no approved alternative, so the old valve and controller were installed. There have been several failures in recent years. The replacement valve and controller is not a direct replacement	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - EGD	70 - Storage	Compression Stations	Pass	8628	SCHT:Dehy Automatn-Upgrade	2025	$	338,385	*Issue/Concern* Currently the dehydration system at Chatham D is operated manually. This requires frequent attention during the withdrawal season. Primary concern is environment impacts. The manually operated dehy could experience a failure that would result in a spill of triethylene glycol to the environment. Automation would provide additional monitoring of the dehydration process and take action during a system upset. Secondary concern is operational cost of labour. Chatham D is a 30 minute drive from SCOR. Dispatching personnel to check on the status of the dehy is a one hour commitment. This issue is especially problematic during the night shift, when there are only two operators on shift. *Asset* Dehydrator instrumentation *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - EGD	70 - Storage	Compression Stations	Pass	12915	SCOR:62010 Comp-Major O/H	2029	$	338,385	*Issue/Concern* Compressors are rotating equipment that is designed with inexpensive components intended to wear preferentially. This preferential wear then preserves the condition of large and expensive components. Overhauls are performed at regular intervals - in accordance with the OEM recommended preventative maintenance schedules - to replace wear items. Typically, an inspection is performed prior to performing an overhaul. Without regular replacement of wear items, reliability will diminish drastically. If wear items are not replaced to be within OEM tolerances, then subsequent damage to main compressor components will result - which is a much costlier outcome. *Asset* K710 compressor unit. Compressor components subject to replacement include (but are not limited to): packing glands, compressor rods, rider bands, pistons, cross heads, compressor valves and cylinder liners. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	

STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**102022**	SCHT:62001 Comp-Major O/H	**2029**	$	338,385	*Issue/Concern:* Compressors are rotating equipment that is designed with inexpensive components intended to wear preferentially. This preferential wear then preseves the condition of large and expensive components. Overhauls are performed at regular intervals - in accordance with the OEM recommended preventative maintenance schedules - to replace wear items. Typically, an inspection is performed prior to performing an overall. Without regular replacement of wear items, reliability will diminish drastically. If wear items are not replaced to be within OEM tolerances, then subsequent damage to main compressor components will result - which is a much costlier outcome. *Asset* K901 compressor unit. Compressor components subject to replacement include (but are not limited to): packing glands, compressor rods, rider bands, pistons, cross heads, compressor valves and cylinder liners. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742100**	Bright A1 ControlNet to Ethernet and Flex IO Upgrade	**2027**	$	334,401	Critical communication between remote IO and other devices currently is curently done over ControlNet. Some of the Controlnet hardware is in the discontinued product lifecycle for Rockwell and production will be discontinued at the end of 2025 (Fiber Optic Conversion Modules). Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell. Flex IO is also mature in the product lifecycle and is expected to be discontinued at the end of 2025. Flex IO should be replaced with Flex 5000 or an alternative current product.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742104**	Bright A2 ControlNet to Ethernet and Flex IO Upgrade	**2027**	$	334,401	Critical communication between remote IO and other devices currently is curently done over ControlNet. Some of the Controlnet hardware is in the discontinued product lifecycle for Rockwell and production will be discontinued at the end of 2025 (Fiber Optic Conversion Modules). Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell. Flex IO is also mature in the product lifecycle and is expected to be discontinued at the end of 2025. Flex IO should be replaced with Flex 5000 or an alternative current product.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742128**	Bright MCR ControlNet to Ethernet Upgrade	**2027**	$	334,401	Critical communication between remote IO and other devices currently is curently done over ControlNet. Some of the Controlnet hardware is in the discontinued product lifecycle for Rockwell and production will be discontinued at the end of 2025 (Fiber Optic Conversion Modules). Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742142**	Bright C ControlNet to Ethernet and Flex IO Upgrade	**2027**	$	334,401	Critical communication between remote IO and other devices currently is curently done over ControlNet. Some of the Controlnet hardware is in the discontinued product lifecycle for Rockwell and production will be discontinued at the end of 2025 (Fiber Optic Conversion Modules). Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell. Flex IO is also mature in the product lifecycle and is expected to be discontinued at the end of 2025. Flex IO should be replaced with Flex 5000 or an alternative current product.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742186**	Parkway C ControlNet to Ethernet and Flex IO Upgrade	**2027**	$	334,401	Critical communication between remote IO and other devices currently is curently done over ControlNet. Some of the Controlnet hardware is in the discontinued product lifecycle for Rockwell and production will be discontinued at the end of 2025 (Fiber Optic Conversion Modules). Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell. Flex IO is also mature in the product lifecycle and is expected to be discontinued at the end of 2029. Flex IO should be replaced with Flex 5000 or an alternative current product.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**101573**	Obsolete PLC Program Upgrade 2028	**2028**	$	331,652	Currently various plants and stations are being controlled by an Allen Bradley PLC5. These units have been obsolete, for some time and spare parts can no longer be purchased. Therefore the PLC should be replaced with an Allen Bradley ControLogix PLC, which is the standard on all of our new stations. Spare parts are available and easily accessible.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**101574**	Obsolete PLC Program Upgrade 2029	**2029**	$	321,388	Currently various plants and stations are being controlled by an Allen Bradley PLC5. These units have been obsolete, for some time and spare parts can no longer be purchased. Therefore the PLC should be replaced with an Allen Bradley ControLogix PLC, which is the standard on all of our new stations. Spare parts are available and easily accessible.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742147**	Lobo A1 ControlNet to Ethernet and Flex IO Upgrade	**2028**	$	318,905	Critical communication between remote IO and other devices currently is curently done over ControlNet. Some of the Controlnet hardware is in the discontinued product lifecycle for Rockwell and production will be discontinued at the end of 2025 (Fiber Optic Conversion Modules). Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell. Flex IO is also mature in the product lifecycle and is nearing the end of product lifecycle. Flex IO should be replaced with Flex 5000 or an alternative current product.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742148**	Lobo A2 ControlNet to Ethernet and Flex IO Upgrade	**2028**	$	318,905	Critical communication between remote IO and other devices currently is curently done over ControlNet. Some of the Controlnet hardware is in the discontinued product lifecycle for Rockwell and production will be discontinued at the end of 2025 (Fiber Optic Conversion Modules). Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell. Flex IO is also mature in the product lifecycle and is nearing the end of product lifecycle. Flex IO should be replaced with Flex 5000 or an alternative current product.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742181**	Parkway B ControlNet to Ethernet and Flex IO Upgrade	**2028**	$	318,905	Critical communication between remote IO and other devices currently is curently done over ControlNet. Some of the Controlnet hardware is in the discontinued product lifecycle for Rockwell and production will be discontinued at the end of 2025 (Fiber Optic Conversion Modules). Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell. Flex IO is also mature in the product lifecycle and is expected to be discontinued at the end of 2029. Flex IO should be replaced with Flex 5000 or an alternative current product.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**12922**	SCOR:62Dxx Cyl Liner-Replace	**2026**	$	315,458	*Issue/Concern:* Compressor cylinder liners are wear items requiring periodic replacement - typically at 100,000 hours. The primary symptom of worn compressor cylinder liners is excessive rod run-out that does not respond adequately to adjustments. Excessive rod run out will cause increased flow rate from the packing vent, thereby increasing the load on flare or GHG recovery systems. Proposed regulations also impose an absolute limit of 0.023 m3/minute/cylinder on packing vent flow rate, after which repairs must be made within 30 days. Should the compressor cylinder liner be deemed to be the cause of excessive packing venting, the liner replacement will take much more than 30 days to accomplish. Proactive replacement of compressor cylinder liners, based on operating hours, is advocated to ensure continued compliance and maximum reliability. *Asset* Compressor unit TBD. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743130**	Parkway East-AMP-PLT A - 610 Valve Operator replacements	**2025**	$	314,292	Issue/Concern: Coming from the OPs team for the 10 year-asset management plan project. Parkway East-AMP-PLT A - 610 Valve Operator replacements	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742187**	Parkway D ControlNet to Ethernet and Flex IO Upgrade	**2029**	$	307,716	Critical communication between remote IO and other devices currently is curently done over ControlNet. Some of the Controlnet hardware is in the discontinued product lifecycle for Rockwell and production will be discontinued at the end of 2025 (Fiber Optic Conversion Modules). Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell. Flex IO is also mature in the product lifecycle and is expected to be discontinued at the end of 2029. Flex IO should be replaced with Flex 5000 or an alternative current product.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**742256**	SCHT: V-101 Iso Valves	**2026**	$	305,435	Issue/Concern/Opportunity: Emergency shutdown and isolation valves associated with 105-V-101 at Chatham D Compressor Station have reached the end of their anticipated service life and may not be functioning adequately. Justification: Emergency Shutdown Valves are designed to close and isolate connected piping in an emergency scenario. A malfunctioning ESV is therefore a potential process safety hazard. Inadequate isolation on pressure vessels increases maintenance costs of the associated piping system and may result in unsafe processes. Ensuring isolation valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: 105-V-101 105-HV-05 105-HV-06 105-HV-07 105-HV-08 105-HV-09 105-HV-10 105-HV-11 160-ESV-01	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**742258**	SCHT: Meter Isolation Valves	**2026**	$	305,435	Issue/Concern/Opportunity: Emergency shutdown and meter isolation valves at Chatham D Compressor Station have reached the end of their anticipated service life and may not be functioning adequately. This includes an ESV intended to isolate the associated piping system in the event of an emergency shutdown. Justification: Emergency Shutdown Valves are designed to close and isolate connected piping in an emergency scenario. A malfunctioning ESV is therefore a potential process safety hazard. Inadequate isolation capability at metering points increases maintenance costs of the associated piping system and may result in unsafe processes. Ensuring isolation valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: Associated with FR-20 105-HV-26 160-HV-30 160-ESV-08 Associated with FR-21 105-HV-25 160-HV-29 Associated with FR 23 105-HV-23 160-HV-27 Associated with FR-024 105-HV-02 105-HV-03	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**742259**	SCHT: K901 Isolation Valves	**2026**	$	305,435	Issue/Concern/Opportunity: Isolation valves associated with K-901 compressor at Chatham D Compressor Station have reached the end of their anticipated service life and may not be functioning adequately. Justification: Inadequate isolation capability at metering points increases maintenance costs of the associated piping system and may result in unsafe processes. Ensuring isolation valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: 62201-HV-18 62201-HV-19 105-HV-10 105-HV-12 105-HV-13 105-HV-14 105-HV-15 105-HV-16 105-HV-17	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**12923**	SCOR:620xx Cyl Liner-Replace	**2027**	$	302,199	*Issue/Concern* Compressor cylinder liners are wear items requiring periodic replacement - typically at 100,000 hours. The primary symptom of worn compressor cylinder liners is excessive rod run-out that does not respond adequately to adjustments. Excessive rod run out will cause increased flow rate from the packing vent, thereby increasing the load on flare or GHG recovery systems. Proposed regulations also impose an absolute limit of 0.023 m3/minute/cylinder on packing vent flow rate, after which repairs must be made within 30 days. Should the compressor cylinder liner be deemed to be the cause of excessive packing venting, the liner replacement will take much more than 30 days to accomplish. Proactive replacement of compressor cylinder liners, based on operating hours, is advocated to ensure continued compliance and maximum reliability. *Asset* Compressor unit TBD. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**744955**	Lobo: Liquids Tank Replace	**2025**	$	301,720	Issue/Concern/Opportunity: Existing liquids storage/drip tanks at Lobo are only single walled and need to be replaced with double wall equivalents. Ref. WOI#'s: 40856560 40856558 Justification: Industry codes and best practices require double walled tanks in this application. A risk of spill (environmental) is high with singled walled tanks. Especially older tanks where corrosion may be present. Assets: LOBO-PLA1-MECH-STTK-1 LOBO-PLA2-MECH-STTK-1 Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742414**	156 Fiber Communication Upgrade	**2028**	$	300,589	Radio communication link to 156 for RTU is unreliable. Investigate installing a Fiber optic link from Dawn.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**743051**	SCOR-60009 Gas Aftercooler Replacement	**2026**	$	299,819	Issue/Concern/Opportunity: Gas aftercooler has reached estimated end of life Justification: A failed gas aftercooler can inadequately cool the hig pressure gas stream, leading to issues in downstream piping and equipment Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**744964**	BAMS: Liquids Tank Replace	**2026**	$	299,819	Issue/Concern/Opportunity: Existing liquids storage/drip tanks at Bluewater Airport Mandaumin Compressor Station are only single walled and need to be replaced with double wall equivalents. Ref. WOI#'s: 41274761 41274763 Justification: Industry codes and best practices require double walled tanks in this application. A risk of spill (environmental) is high with singled walled tanks. Especially older tanks where corrosion may be present. Assets: STOR-BAMS-MECH-STTK-PG STOR-BAMS-MECH-STTK-DRIP Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**748530**	BDR Enhancement Cuthbert Measurement	**2025**	$	296,107	Issue/Concern/Opportunity: Installation of piping, fittings and valves to connect the Cuthbert Measurement Station to the BDR connection at H Plant in the Dawn Yard. This installation of about 350m of NPS 4 piping and associated valves and fittings will result in enhanced BDR use to support integrity work (pigging) on the Trafalgar system and reduce emissions.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - EGD	70 - Storage	Compression Stations	Pass	12865	SCOR:Unit Pre-Heat-Convrt 2028	2028	$	295,472	*Issue/Concern* Currently, all SCOR compressor units share the same glycol coolant - Dowtherm SR1 - and are connected together through a common piping network, which is also connected to the boiler. Coolant being used is the wrong product for compressor equipment, it is intended for building heating systems. OEM recommended product is called NorKool. A consequence of the misapplied coolant product is cavitation pitting which occurs often on the outside surface of power cylinder liners. This pitting appears as small pinholes forming in the liner. A consequence of the piping network that connects all the compressor units and the boiler together is that all units are exposed to the same glycol contaminants. Without mitigation of the cavitation problem, cavitation induced pinholes will penetrate completely through the power cylinder liner. Holes in the power cylinder liners will allow two things to occur: (i) combustion chamber contents (fuel gas, exhaust gases, and air) will enter the glycol piping network (including the boiler) and (ii) glycol has the potential to contaminate lube. *Asset* Compressor heating and cooling system. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742771	Dawn Dehy Spill Containment	2025	$	295,207	Issue/Concern/Opportunity: The Dawn Dehy facility lacks the proper spill containment for the equipment on site. If a glycol leak occurs it will contaminate the surrounding soil. While the site is grandfathered in the Z662 the current spill containment has deteriorated and needs refurbishment. Justification: The old containment has deteriorated and does not meet current standards. Leaks have occurred in the past with expensive remediation. Assets: Dawn Dehy surge tank, storage tank and boilers Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	743053	SCOR-60010 Gas Aftercooler Replacement	2027	$	287,218	Issue/Concern/Opportunity: Gas aftercooler has reached estimated end of life Justification: A failed gas aftercooler can inadequately cool the hig pressure gas stream, leading to issues in downstream piping and equipment Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	744965	DAWN: Liquid Tanks Replace	2027	$	287,218	Issue/Concern/Opportunity: Existing liquids storage/drip tanks at Dawn Compressor Station are only single walled and need to be replaced with double wall equivalents. Ref. WOI#'s: 41301029 41301028 Justification: Industry codes and best practices require double walled tanks in this application. A risk of spill (environmental) is high with singled walled tanks. Especially older tanks where corrosion may be present. Assets: DAWN-PLTC-MECH-SITK-1 DAWN-PLTE-MECH-SITK-5 Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	13010	SCOR:62204 Vessel Closure-Rplace	2025	$	278,523	*Issue/Concern* Older style filter closures are a hazard to personnel because it is difficult to determine whether the filter vessel has been completely depressurized before attempting to open the closure door. Sentry Style closures are the current standard at Storage. These closures reduce the risk that someone could inadvertently attempt to open the filter door, while it still contained pressurized gas. *Asset* Compressor Filter/Separators *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	503237	Lobo North Yard Drip Tank Replacement	2025	$	277,156	Issue/Concern: The tank is original, with no visible site glass or level indication. Level indication must be checked by opening the tank and dipping. The tank does not have a vacuum gauge.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	747070	DOW A: Top and Bottom End Overhaul	2025	$	273,105	Continued Issues and Compression test results indicate that the Dow compressor requires a top and bottom end overhaul in 2025. 2024 injection season reveled issues that need to be addressed prior to the 2025 injection season. to include cleaning of KO bottles, Packing and valve rebuilds, and a few other small items such as water pump replacement.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101257	Bright A Plant air compressors	2025	$	270,291	Issue/Concern/Opportunity: Intermittent purging of the regenerative air dryers causing the compressors to start and run needlessly and A Plant Air Compressor approaching end of life Justification: These dryers were the best option in 2008 based on the presumed volume demand at the time of installation, which appears now to be less than specified based on recent plant installations. An upgrade to the new Atlas Copco units now used in the new builds allows for consistent assets (spare parts) and lower run time on our air compressors. The generally accepted nominal life expectancy of any oil flooded rotary screw compressor is 10 years. A Plant compressors have been in service since 2008. The ten year lifespan is subject to a number of variables including ambient conditions, maintenance, etc. Assets: Bright A Plant Air Compressors & Air Dryers Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	501400	SCOR:553 OPP-Upgrades	2025	$	270,222	*Issue/Concern* The largest threat to overpressure of the heating glycol system is the Fuel Gas Heater (FGH). A tube rupture at the FGH - on the fuel gas side - can impose pressure of up to 1000 psig (gas) on the glycol return line. A tube rupture in the FGH will automatically actuate all the PSVs on the heating glycol system. This will result because the PSV on the FGH (531-PSV-127) is set to 275 psig - i.e. the MOP of 553 (Glycol System) piping - while other reliefs in the system actuate at much lower pressures. Essentially, 531-PSV-127 will likely never actuate in the event of a tube failure. *Asset* 553 - Heating Glycol System *Related Program* SCOR HAZOP Recommendations	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48219	TCPL Dawn PLC Upgrade	2025	$	266,497	Currently, the Dawn TCPL custody transfer site is being controlled by an Allen Bradley PLC 5. This series of PLCs has been obsolete for several years and replacement parts cannot be purchased any more. This PLC controls the entire plant and the plant cannot be operated with out it. Should a failure happen, the plant will remain unavailable until a usable spare part can be recovered from another plant and installed and configured, rendering the other plant unavailable for use	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746666	Parkway East - POV622 Replacement	2025	$	265,262	Description: Replacement of POV622 control valve assembly with upgraded controls as it pertains to the current design and use of the valve located in the Parkway East valve nest. Current situation: The valve is a connection bridge between the Trafalgar 34" and 26" mainlines and is used as follows: - To control flow to the Greenbelt transmission station. - For pressure equalization in the Parkway station yard. - More recently it has been used for pressure control on the 26" mainline to Lisgar for project work (TIMP) and for other projects on the 26" mainline. Improvement: This will improve operational reliability, improve safety (TIMP) and provide more flexibility for operations. Past failure: In January 2024, the 1st cut power gas regulator froze and needed to be replaced. This caused the valve to start closing off as the power gas supply was being choked. Implications: This valve is original to the station; approximately 37 years old. Due to its age there are reliability concerns that could lead to system upsets. The last several years, Gas Control has required use of this valve to control pressure on the 26" mainline for various projects. It is currently being used for pressure reduction to Lisgar (TIMP). Moreover, it provides better and more diverse control scenarios increasing the functionality of the station. Alternative: There have been no alternatives developed to date. Risks: The existing valve is aging requiring /maintenance and overhaul. It could fail anytime leaving us unable to fulfil gas control's requirements. Valve replacement would be like-for-like with upgraded control of the valve positioner and controls. There is little risk with the replacement option. Also, Commissioning of the new valve may present some risk. Other Benefits: Reliability will be improved as indicated above. There is also an improved safety component with a new valve versus the existing valve. The new valve will provide improved process control with smoother operation. Risk Mitigations: Utilize OEM contractor for the installation and commissioning of the new valve. Enbridge to supply proper oversight to mitigate any potential risks. Workforce: Contractor. The benefits of using a contractor would be less risk during the installation and commissioning phase.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - EGD	70 - Storage	Compression Stations	Pass	742251	SSOM: ESV-6101 Replace	2025	$	262,672	Issue/Concern/Opportunity: Transmission plot edge emergency shutdown valve (160-ESV-6101) is no longer functioning adequately. Valve is bypassing, preventing proper isolation in an emergency shutdown situation. Justification: Emergency Shutdown Valves are designed to close and isolate connected piping in an emergency scenario. A malfunctioning ESV is therefore a potential process safety hazard. Assets: 160-ESV-6101 Related Investments: 160-ESV-6201 is also leaking and requires replacement. Given the proximity of this valve to ESV-6101 it would make sense to execute both projects in concert, to avoid duplicated costs.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	742252	SSOM: ESV-6201 Replace	2025	$	262,672	Issue/Concern/Opportunity: Transmission plot edge emergency shutdown valve (160-ESV-6201) is no longer functioning adequately. Valve is bypassing, preventing proper isolation in an emergency shutdown situation. Justification: Emergency Shutdown Valves are designed to close and isolate connected piping in an emergency scenario. A malfunctioning ESV is therefore a potential process safety hazard. Assets: 160-ESV-6201 Related Investments: 160-ESV-6101 is also leaking and requires replacement (Inv. 742251). Given the proximity of this valve to ESV-6201 it would make sense to execute both projects in concert, to avoid duplicated costs.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	100168	Dawn G Surge Controller	2026	$	261,919	Issue/Concern/Opportunity: Current surge protection shuts unit down when experiencing minimal changes in suction pressure. When pumping to the mainline, surge control would allow the suction pressure to be as low as possible to help move storage volumes to Dawn. Justification: Lower suction pressures at Dawn would provide a 1-1.25% increase in flow. 1. 15 MMscfd by dropping the unit suction by 10 psi, and 2. 30 MMscfd by dropping the unit suction by 20 psi. Assets: Dawn G Surge Controller Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742383	Dawn F1 Compressor Control System Upgrade	2027	$	257,518	Issue/Concern/Opportunity: Replace Turbotronic 4 Control System with CNet and Flex I/O, considered life cycle Phase 3 (Noncurrent & Supportable) and will be moving to Phase 4 (Limited Service) in 2027. Replace with Turbotronic 5 Control System. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742384	Dawn F2 Compressor Control System Upgrade	2027	$	257,518	Issue/Concern/Opportunity: Replace Turbotronic 4 Control System with CNet and Flex I/O, considered life cycle Phase 3 (Noncurrent & Supportable) and will be moving to Phase 4 (Limited Service) in 2027. Replace with Turbotronic 5 Control System. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	749458	Parkway West Drip Valve Replacement 2025	2025	$	251,434	Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Replacement valves on the drip system will be of higher quality with special characteristics to reduce seat wear over time and reduce or eliminate methane emissions. Assets: Parkway West Drip system valves and piping. Discrete investment within program 734150	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	735656	Parkway East Switchgear Controls Upgrade	2025	$	251,099	Issue/Concern/: Generator controls are proprietary to the manufacturer of the unit and are obsolete. The manufacturer has recommended that for continuous reliable operation, that the controls must be replaced Justification: This is the primary generator required to provide emergency power to the Parkway East facility , with the loss of utility power. Within that last 10 years, this has been used on multiple occasions and over a period of several weeks, after one substantial outage over the winter. Without backup generation, the Parkway East facility cannot compress gas, or measure gas, in the event of loss of utility power Assets: Parkway East CAT Generator Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	737266	Siemens Valve Controllers Replacement - Dawn I	2026	$	245,891	Issue/Concern/Opportunity: Siemens has issued a service bulletin stating that as of July 2020 they will no longer support valve controllers required for permissive in the start sequence of their compressors. There are three controllers, servicing 3 valves on each engine skid. Each valve/controller combination is unique in operation with no redundancy. If one controller fails, it must be replaced and the unit will be unavailable until the replacement and set-up is complete Justification: Neither Siemens not the original equipment manufacturer will support spare parts or repairs of the old valve controllers. and each unit requires three to operate. We have had three failed controllers in the last operating year. Assets: Lobo C&D, Bright C, Parkway C&D, Dawn H Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	734322	Methane Leak Remediation : Valve Replacement 2026	2026	$	239,855	Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Justification: Leakage from valves contribute to lost gas annually and require rebuild or replacement as per methane emission regulation. Assets: To be determined on an annual basis Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743093	Parkway-AMP-PLTB - Vent Fan replacement - Parkway East	2025	$	238,862	Issue/Concern: Coming from the OPs team for the 10 year-asset management plan project. Parkway-AMP-PLTB - Vent Fan replacement -Parkway East	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_92 - Union North Storage	Compression Stations	Pass	735296	Hagar Blowdown and Knockout Tank	2024	$	236,886	Issue/Concern/Opportunity: Installing a Blowdown Silencer. It is a standard equipment at all compressor stations. Hagar currently doesn't have any blowdown silencer in order to decrease the noise during a compressor blowdown. Assets: Yard, Compressors	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	748875	Methane Remediation 2025 - Remote Drips/Blowdowns	2025	$	230,845	DISCRETE INVESTMENT CREATED UNDER PROGRAM 734141 Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Valves will be rebuilt and upgraded to ANSI leakage class V specification to reduce methane emissions in the future. Assets: Dawn Remote Compression and Pool Blowdown and Pressurizing Valves	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	734323	Methane Leak Remediation : Valve Replacement 2027	2027	$	229,774	Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Justification: Leakage from valves contribute to lost gas annually and require rebuild or replacement as per methane emission regulation. Assets: To be determined on an annual basis Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	748873	Methane Remediation 2025- Dawn	2025	$	229,482	DISCRETE INVESTMENT UNDER 734141 Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Valves will be rebuilt and upgraded to ANSI leakage class V specification to reduce methane emissions in the future. Assets: Dawn Remote Compression and Pool Blowdown and Pressurizing Valves	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743134	Parkway-Permanent - Blowdown Recovery Unit-Parkway East	2026	$	226,769	Issue/Concern: Coming from the OPs team for the 10 year-asset management plan project. Parkway-Permanent - Blowdown Recovery Unit-Parkway East	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	8633	SSOM:Transfr Switch-Replace	2027	$	224,030	*Issue/Concern* Existing Transfer switch requires that the entire plant be "flat" in order to perform maintenance/repairs. Transfer switch is used to control up to 600 VAC, 3ph circuits. Transfer switch is also approaching end of useful life. *Asset* Back-up power system at SSOM. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742158	Parkway East MCR ControlNet to Ethernet Upgrade and FlexIO	2027	$	221,016	Critical communication between remote IO and other devices currently is currently done over ControlNet. Some of the Controlnet hardware is in the discontinued product lifecycle for Rockwell and production will be discontinued at the end of 2025 (Fiber Optic Conversion Modules). Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742160	Parkway West MCR ControlNet to Ethernet Upgrade	2027	$	221,016	Critical communication between remote IO and other devices currently is currently done over ControlNet. Some of the Controlnet hardware is in the discontinued product lifecycle for Rockwell and production will be discontinued at the end of 2025 (Fiber Optic Conversion Modules). Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	13011	SCOR:62211 Vessel Closure-Rplace	2026	$	219,099	*Issue/Concern* Older style filter closures are a hazard to personnel because it is difficult to determine whether the filter vessel has been completely depressurized before attempting to open the closure door. Sentry Style closures are the current standard at Storage. These closures reduce the risk that someone could inadvertently attempt to open the filter door, while it still contained pressurized gas.. *Asset* Compressor Filter/Separators *Related Program* Not Applicable Working from ladder, leaking seals	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	747262	STO: Lone Worker Protection Monitoring Device - Replacement - 2027	2027	$	215,263	Issue/Concern/Opportunity: Lone worker protection with monitoring and notification alerts are required as STO front line workers are often working remotely and alone. Should an employee become incapacitated for some reason they may not be discovered until ethe end of the shift when they do not return to base. This issue was initially identified by the IHSC. Justification: Worker safety in the event of an incident requiring assistance. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	734324	Methane Leak Remediation : Valve Replacement 2028	2028	$	214,889	Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Justification: Leakage from valves contribute to lost gas annually and require rebuild or replacement as per methane emission regulation. Assets: To be determined on an annual basis Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742149	Lobo MCR ControlNet to Ethernet Upgrade	2028	$	211,273	Critical communication between remote IO and other devices currently is currently done over ControlNet. Some of the Controlnet hardware is in the discontinued product lifecycle for Rockwell and production will be discontinued at the end of 2025 (Fiber Optic Conversion Modules). Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742758	Dawn North Yard Drip Valve Modifications	2026	$	211,181	Issue/Concern/Opportunity: There are a number of Dawn Plants that have undesground valves for isolating individual Plant drip systems from the rest of the yard. These valves do not have any stops which makes it impossible to know the true position of the valve since they rotate continuously. These valves shall be replaced with new valves that have built in stops. This relates to SAP WO 41241923. Justification: Replacing the existing drip valves with valves that have stops will let the operator know the exact position of the valve. This will improve the integrity and reliability of the drip system. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742344	Dow A FT50 Loader Control Replacement	2026	$	210,566	Issue/Concern/Opportunity: The existing loader control is a stand alone controller and is not currently working. Replace with a Siemens solution. Justification: Existing control is questionable and does not work correctly. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	734325	Methane Leak Remediation : Valve Replacement 2029	2029	$	208,237	Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Justification: Leakage from valves contribute to lost gas annually and require rebuild or replacement as per methane emission regulation. Assets: To be determined on an annual basis Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	743018	S_SOM-510-K-0821 Station Air Compressor Replacement	2029	$	208,237	Issue/Concern/Opportunity: Station air compressor is reaching end of life Justification: Compressed air powers multiple critical assets within the station Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	501141	Lobo C GGLO Scheduling Valve & Controller replacement	2025	$	206,176	When the compressor plant was installed, the oil scheduling valve and controller we being made obsolete but the OEM. Siemens had no approved alternative, so the old valve and controller were installed. There have been several failures in recent years. The replacement valve and controller is not a direct replacement	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	501148	Dawn H GGLO Sheculing valve and controller replacement	2026	$	205,406	When the compressor plant was installed, the oil scheduling valve and controller we being made obsolete but the OEM. Siemens had no approved alternative, so the old valve and controller were installed. There have been several failures in recent years. The replacement valve and controller is not a direct replacement	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742410	Sandwich Fire & Gas Replacement	2029	$	204,556	Issue/Concern/Opportunity: Replace obsolete General Monitors Flame and Gas Detection system. (Will need replace detectors in compressor building as well). Upgrade to current UV and Gas monitor standard equipment. Justification: Obsolete Equipment Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	747681	SSOM: 536-FA-2913 Flame Arrestor Mods	2026	$	203,774	*Issue/Concern* The off-gas incinerator at the Sombra dehy has a flare arrestor at the incinerator inlet nozzle. The Flame arrestor is oriented horizontally. This orientation allows liquids to collect in the bottom of the Flare Arrestor where the inside diameter of the of the FA is larger that the nozzle connection at either end. Once sufficient liquids have collected in the FA, slugs of liquid start entering the incinerator. This causes incomplete combustion, resulting in black smoke being emitted from the incinerator. Since the incinerator is a critical piece of equipment in the destruction of benzene in the dehy off-gas, incomplete combustion indicates that benzene is not being destroyed properly. Control of benzenes is an environmental compliance issue and well as a health and safety risk to personnel in the area.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101576	Siemens Valve Controllers Replacement - Lobo D	2025	$	198,633	Issue/Concern/Opportunity: Siemens has issued a service bulletin stating that as of July 2020 they will no longer support valve controllers required for permissive in the start sequence of their compressors. There are three controllers, servicing 3 valves on each engine skid. Each valve/controller combination is unique in operation with no redundancy. If one controller fails, it must be replaced and the unit will be unavailable until the replacement and set-up is complete Justification: Neither Siemens not the original equipment manufacturer will support spare parts or repairs of the old valve controllers. and each unit requires three to operate. We have had three failed controllers in the last operating year. Assets: Lobo C&D, Bright C, Parkway C&D, Dawn H Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734219	TCO Obsolete Mechanical - Replace 2026	2026	$	198,423	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. Once the parts are no longer produced they must be reverse engineered and replaced which normally requires modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devices. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48223	Siemens Valve Controllers Replacement - Parkway D	2025	$	197,375	Issue/Concern/Opportunity: Siemens has issued a service bulletin stating that as of July 2020 they will no longer support valve controllers required for permissive in the start sequence of their compressors. There are three controllers, servicing 3 valves on each engine skid. Each valve/controller combination is unique in operation with no redundancy. If one controller fails, it must be replaced and the unit will be unavailable until the replacement and set-up is complete Justification: Neither Siemens not the original equipment manufacturer will support spare parts or repairs of the old valve controllers. and each unit requires three to operate. We have had three failed controllers in the last operating year. Assets: Lobo C&D, Bright C, Parkway C&D, Dawn H, Dawn I (non-core) Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743132	Parkway East-AMP - POV 622 valve control upgrade	2028	$	196,918	Issue/Concern: Coming from the OPs team for the 10 year-asset management plan project. Parkway East-AMP - POV 622 valve control upgrade-Update the controls for the valve and the actuator. Supplying pressure control to the Lisgar. The controls are obsolete and there is a concern for reliability.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	740930	SCOR:Fuel Gas,OPP Upgrades	2026	$	195,428	PSVs that are undersized or possess hazardous outlet pipe arrangements. Valves include: 531-PSV-172 - on P&ID 14-070 531-PSV-190 - on P&ID 14-075 531-PSV-191 - on P&ID 14-044 531-PSV-192 - on P&ID 14-044 532-PSV-043 - on P&ID 14-279 Project #304314 - Maximo Debited down program accordingly	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743155	Parkway-A-AMP-Asset life cycle-Fuel heat exchanger	2026	$	192,754	Issue/Concern: Parkway-A-AMP-Asset life cycle- Heat Exchangers-Fuel heat exchanger, In the yard-life cycle replacement :30-year of install :1988-expected date of replacement:2018	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743199	Lobo-A2-AMP-asset life- Heat Exchangers	2026	$	192,754	Issue/Concern: Lobo-A2-AMP-asset life- Heat Exchangers-17717, 4251-04-01-life cycle replacement :30-year of install :1972-expected date of replacement:2002	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743201	Lobo-B-AMP-asset life- Heat Exchangers	2026	$	192,754	Issue/Concern: Lobo-B-AMP-asset life- Heat Exchangers-Peerless manufacturing, Barber Manufacturing, SN#204417-1-life cycle replacement :30-year of install :1990-expected date of replacement:2020	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743202	Lobo-B-AMP-asset life- Heat Exchangers#2	2026	$	192,754	Issue/Concern: Lobo-B-AMP-asset life- Heat Exchangers-Peerless manufacturing, Barber Manufacturing, SN#204417-1-life cycle replacement :30-year of install :1990-expected date of replacement:2020	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743203	Lobo-B-AMP-asset life- Heat Exchangers	2026	$	192,754	Issue/Concern: Lobo-B-AMP-asset life- Heat Exchangers-Model#96EVS B, Air-X-Changers, Patterson Ketty Comp-life cycle replacement :30-year of install :1990-expected date of replacement:2020	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743211	Lobo-B-AMP-asset life- Heat Exchangers	2026	$	192,754	Issue/Concern: Lobo-B-AMP-asset life- Heat Exchangers-Koch engineering CO, B2536A-life cycle replacement :30-year of install :1990-expected date of replacement:2020	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743229	Bright-AMP-Replace Plant A aux fuel/power gas housings	2026	$	192,754	Issue/Concern: Bright-AMP-Replace Plant A aux fuel/power gas housings-Asset life cycle- Filters-Fuel filter,-life cycle replacement :40-year of install :1973-expected date of replacement:2013	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734217	TCO Obsolete Mechanical - Replace 2025	2025	$	190,225	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. Once the parts are no longer produced they must be reverse engineered and replaced which normally requires modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devices. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742357	Edys Mills MCC Replacement	2028	$	188,856	Issue/Concern/Opportunity: Existing MCC equipment has reached end of product lifecycle and should be upgraded to a current product consistent with other stations. Justification: Spare part availability is questionable. Limited to existing spares and equipment taken out of service and salvaged for spare parts. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734220	TCO Obsolete Mechanical - Replace 2027	2027	$	188,355	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. Once the parts are no longer produced they must be reverse engineered and replaced which normally requires modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devices. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	100167	Dawn G - Fire & Gas Detection Panel	2025	$	187,972	The Fire and Gas system at Dawn G is controlled with a Fanuc PLC. A single component failure would result in the plant being unavailable for use. In addition, there are catalytic gas detectors and UV flame detectors . The Fanuc PLC has been obsolete for over 10 years and spares can no longer be purchased. The catalytic gas detectors are manufactured in the US but can no longer be imported into Canada, so they cannot be replaced, should one fail.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	748885	High Performance Coating - Edys Mills	2025	$	186,006	DISCRETE INVESTMENT UNDER APPROVED PROGRAM 101925 Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Haggar).	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746791	Enniskillen Compressor Station - NOx mitigation - Core	2026	$	185,955	Multi-sector Air Pollutants Regulations (MSAPR) effective 2017, enacted by Environment and Climate Change Canada (ECCC) limits NOx emission on stationary engines to 4 g /hp-hr. and these limits will be enforced by 2026. In this regard STO Engineering is addressing all those engines that exceed this limit through mitigations measures. The mitigation measures for Enniskillen requires installation of catalytic converter, upgrades to air fuel ratio controls and fuel supply controls.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742386	Iroquois Falls Fire & Gas Replacement	2029	$	184,469	Issue/Concern/Opportunity: The Gas and UV monitors currently in use are at end of support from the manufacturer and replacements are difficult to obtain. Upgrade to current UV and Gas monitor standard equipment. Justification: Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743091	Parkway-AMP- Portable Compressor Unit-Parkway East & West	2026	$	181,416	Issue/Concern: Coming from the OPs team for the 10 year-asset management plan project. Parkway-AMP- Portable Compressor Unit-Parkway East & West	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743144	Parkway-A-AMP-Asset life cycle- Air Compressor	2026	$	181,416	Issue/Concern: Parkway-A-AMP-Asset life cycle- Air Compressor-Industrial Machinery, Receip, Model, AVSRRB, SN#A22416-life cycle replacement :15-year of install :1988-expected date of replacement:2003	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734221	TCO Obsolete Mechanical - Replace 2028	2028	$	181,372	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. Once the parts are no longer produced they must be reverse engineered and replaced which normally requires modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devices. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734222	TCO Obsolete Mechanical - Replace 2029	2029	$	175,759	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. Once the parts are no longer produced they must be reverse engineered and replaced which normally requires modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devices. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		
STO - EGD	70 - Storage	Compression Stations	Pass	3452	SCOR:60010 iBalance-Upgrade	2025	$	175,423	*Issue/Concern* The power cylinder balancing for 8 of the compressors at the Corunna Compressor Station is performed manually compared to the current industry best practice monitoring technology (auto Balancing). These compressors are over 50 years old in some instances. Autobalancing systems provide improved reliability, reduced probability of crankshaft failure, more precise control of NOx emissions and reduced operating costs (fuel and maintenance). Without this change reliability and NOx emissions cannot improve further. Autobalancing of has the potential to provide early detection, and prevention of detonation events, which is the most likely cause of the K705 crankshaft failure in 2018. *Assets* Affected assets include 8 compressor units - installed between 1968 and 1995. *Related Program* Not applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.		

STO - EGD	70 - Storage	Compression Stations	Pass	3456	SCOR:60009 iBalance-Upgrade	2025	$	175,423	*Issue/Concern* The power cylinder balancing for 8 of the compressors at the Corunna Compressor Station is performed manually compared to the current industry best practice monitoring technology (auto Balancing). These compressors are over 50 years old in some instances. Autobalancing systems provide improved reliability, reduced probability of crankshaft failure, more precise control of NOx emissions and reduced operating costs (fuel and maintenance). Without this change reliability and NOx emissions cannot improve further. Autobalancing of has the potential to provide early detection, and prevention of detonation events, which is the most likely cause of the K705 crankshaft failure in 2018. *Assets* Affected assets include 8 compressor units - installed between 1968 and 1995. *Related Program* Not applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101960	Dawn Aux 4-2 Gen Top End O/H	2026	$	171,438	*Issue/Concern* Recip engines are rotating equipment that is designed with inexpensive components intended to wear preferentially. This preferential wear then preserves the condition of large and expensive components. Overhauls are performed at regular intervals - in accordance with the OEM recommended preventative maintenance schedules - to replace wear items. Typically, an inspection is performed prior to performing an overhaul. Without regular replacement of wear items, reliability will diminish drastically. If wear items are not replaced to be within OEM tolerances, then subsequent damage to main compressor components will result - which is a much costlier outcome. *Asset* Aux 4-2 Generator. Engine Top End components subject to replacement include (but are not limited to): cylinder heads, intake/exhaust/start valves, fuel valves. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742749	Lobo-A1-AMP-Asset Life-Air compressor	2026	$	170,077	Issue/Concern/Opportunity: Based on the AMP project, life expectancy for this asset is 15 years, year of install is 2006 and expected date of replacement is 2021. Justification: End of the asset life.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742378	Enniskillen MCC Replacement	2028	$	169,499	Issue/Concern/Opportunity: Existing MCC equipment has reached end of product lifecycle and should be upgraded to a current product consistent with other stations. Justification: Spare part availability is questionable. Limited to existing spares and equipment taken out of service and salvaged for spare parts. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742841	Airport Compressor Station Drip Tank Upgrade	2028	$	167,277	Issue/Concern/Opportunity: The current drip tank is undersized for the quantity of contaminants being collected from the natural gas. Scope would be to replace with a larger tank. This relates to SAP WO 41235933. Justification: Replacing the drip tank will improve operational process as the tank won't be required to be emptied as often. This also improves the integrity and reliability of drip system. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101961	Dawn Aux 3 Gen Top End O/H	2025	$	167,256	*Issue/Concern* Recip engines are rotating equipment that is designed with inexpensive components intended to wear preferentially. This preferential wear then preserves the condition of large and expensive components. Overhauls are performed at regular intervals - in accordance with the OEM recommended preventative maintenance schedules - to replace wear items. Typically, an inspection is performed prior to performing an overhaul. Without regular replacement of wear items, reliability will diminish drastically. If wear items are not replaced to be within OEM tolerances, then subsequent damage to main compressor components will result - which is a much costlier outcome. *Asset* Aux 3 Generator. Engine Top End components subject to replacement include (but are not limited to): cylinder heads, intake/exhaust/start valves, fuel valves. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	745032	Great Lakes Courtright RTU Upgrade and PLC Addition	2027	$	161,248	Issue/Concern/Opportunity: The existing 3330 RTU's require updating to current standards as they are no longer supported. In conjunction with the RTU upgrade to three of FB3000's, a PLC should be added to the station to control the pool valves. Justification: Standard configuration is to use a PLC to control the pool valves, where this site is currently using an RTU. Assets: Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746916	Deflectors in the enclosure A1/A2 (Bright)	2025	$	161,201	Issue/Concern/Opportunity: A few years ago, a removable deflector plate was installed inside the jet enclosure of each A1 and A2 plants in Bright. This was installed to divert "outside cold air" away from the bleed valve air supply lines to avoid freezing of these lines during cold weather. The deflector plate has to be removed every time the jet is taken out for maintenance /overhaul. This set up needs to be updated as a safety concern, so the deflector plate does not interfere with the jet removal. Solution: roof mounted manual screw jack with a crank wheel allowing for 1 site personnel to operate. C242146 - Retractable deflector with manual screw jack operation. 304SS retractable deflector plate with screw jack. All materials to be 304SS with exception to the manual screw jack which will be epoxy coated c arbon steel. Supply scope includes deflector plate, 2-ton manual screw jack, 304SS linkage, brackets, fasteners, & pins required for site installation. Drawings will be provided for site to reference during installation. Supervision & installation by others.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742803	Bickford Exhaust Ducting Replacement	2025	$	158,993	Issue/Concern/Opportunity: The Bickford Exhaust Ducting is corroding and holes have been observed. Justification: A failure of the ducting would result in an unplanned outage of the Bickford compressor unit. WO 41135177 Assets: Bickford Compressor unit Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12997	SCOR:530 FCV Positioners-Replace	2026	$	158,305	*Issue/Concern* Flow Control Valve (FCV) positioners are a key element in precise process gas throttling. Positioner include: (i) an actuator, typically pneumatically powered; (ii) mechanical assembly that transfers power from the actuator; and (iii) onboard electronics that controls the dymamic response of the positioner mechanism. Positioners are now old enough that parts are becoming scarce - especially the electronics, which are vulnerable to planned obsolescence. FCV's are critical components during the injection and withdrawal cycle, when gas can be transported in a free flow mode (i.e. no compression required). Typically, free flow is required when pools are greater than 900 psig during withdrawal and less than 700 psig during injection. Failure of FCVs or their actuators during free flow operations will suspend injection/withdrawal to an entire reservoir until repairs or replacement can be completed. * Asset* Free flow valve positioners *Related Programs * Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	13003	SCOR:820 APU PLC-Upgrade	2026	$	158,305	*Issue/Concern* The current Allan Bradley SLC50 APU control systems have reached the end of their life cycle and are no longer supported by the manufacturer. APUs are back-up generators. These operating systems need to be converted/upgraded to the new Allan Bradley Control Logix systems. A failure of the SLC50 prevents operations from controlling the associated APU until it can be replaced requiring an entire plant to be shut down during a hydro outage. The SLC50 unit is no longer carried by the manufacturer and refurbished units are difficult to obtain increasing down time in the event of a failure. Replaced SLC50 units can be stored as replacement parts for units still using this device until all replacements are complete. *Assets* Replacement of one SLC50 (APU Control) is needed at SCOR. Existing PLCs are now 15 years old. *Related Program* PLC replacement projects are expected to be named projects upon completion of the 10 year plan.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	742260	SCHT: V-107 Tower Isolation	2027	$	153,667	Issue/Concern/Opportunity: Three (3) isolation valves associated with 535-V-107 Contactor Tower at Chatham D Compressor Station have reached the end of their anticipated service life and may not be functioning adequately. Justification: Inadequate isolation on pressure vessels increases maintenance costs of the associated piping system and may contribute to unsafe practices. Ensuring isolation valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: 535-V-107 Contactor Tower 105-HV-20 105-HV-21 105-HV-22	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742145	Lobo A1 Conduit Replacement and Remote IO Cabinet	2030	$	150,651	Issue/Concern/Opportunity; Some of the conduits and wire from the Plant A Control Room to the Compressor building are from the original plant construction. These conduits serve motor loads and instrumentation. Due to their age, there is a potential for corrosion to occur in both the wire and conduit causing a failure. Justification: A wiring failure in one of these conduits could result in the plant being unavailable for an extended period of time. In some cases re-pulling wire in the existing conduit has been a very difficult task with limited success. The alternative would be to pull a new wire from the source to the device through the trenwa. This would require sourcing wire, an installer and lifting the trenwa covers for installation. This would take approx 1 week to complete and the unit would be unavailable during this time. Assets: Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742146	Lobo A2 Conduit Replacement and Remote IO Cabinet	2030	$	150,651	Issue/Concern/Opportunity; Some of the conduits and wire from the Plant A Control Room to the Compressor building are from the original plant construction. These conduits serve motor loads and instrumentation. Due to their age, there is a potential for corrossion to occur in both the wire and conduit causing a failure. Justification: A wiring failure in one of these conduits could result in the plant being unavailable for an extended period of time. In some cases re-pulling wire in the existing conduit has been a very difficult task with limited success. The alternative would be to pull a new wire from the source to the device through the trenwa. This would require sourcing wire, an installer and lifting the trenwa covers for installation. This would take approx 1 week to complete and the unit would be unavailable during this time. Assets: Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - EGD	70 - Storage	Compression Stations	Pass	743734	S_COR-512-D-701 - Replace	2025	$	150,098	Issue/Concern/Opportunity: Existing air dryer is over-sized for current Corunna Compressor Station. Justification: Oversized air dryer causes excessive demand starting air system, thereby causing excessive demand on the air compressors. Both air compressors are required to come on to meet demand when air dryer goes through a regeneration cycle. The generators are not sized to power both air compressors, which leads to generator shutdown on over-current during times where we're on generator power (power outages, bad weather etc). Oversized air dryer also causes air compressors to run excessively to repressurize the starting air system, even when the plant is shut down and no engines are running/being started. This causes unnecessary wear and tear on the air compressors. Oversized air dryer causes excessive noise during regeneration cycle. Some mitigations have been done to lessen the immediate health and safety concern due to noise(new mufflers, venting to soundwall) but noise is still excessive, although manageable. Assets:- S_COR-512-D-701 Starting Air Dryer Related Investments: 502595 SCOR - instrument air from starter air	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734208	STO Obsolete Mechanical - Replace 2026	2026	$	149,668	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. Once the parts are no longer produced they must be reverse engineered and replaced which normally requires modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devices. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - EGD	70 - Storage	Compression Stations	Pass	8852	SSOM:UPS-replace 2027	2027	$	149,353	*Issue/Concern* Uninterruptible Power Supplies (UPS) are employed heavily at compressor and meter stations. UPS systems allow critical controls to continue operating during a power failure and allow the Auxiliary Power Unit (APU) to get started. Controls are powered by the UPS until the APU gets on-line. UPS systems have a short life expectancy. Typically, the DC batteries weaken over a three year period, meaning that the UPS system will have a reduced operational duration when a power outage occurs. Failure of a UPS system to provide sufficient temporary power during a power outage, would result in shutdown of running compressor units. *Asset* UPS Systems. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	741918	Dawn Aux 4-1 Gen Top End O/H	2026	$	148,761	*Issue/Concern* Recip engines are rotating equipment that is designed with inexpensive components intended to wear preferentially. This preferential wear then preserves the condition of large and expensive components. Overhauls are performed at regular intervals - in accordance with the OEM recommended preventative maintenance schedules - to replace wear items. Typically, an inspection is performed prior to performing an overhaul. Without regular replacement of wear items, reliability will diminish drastically. If wear items are not replaced to be within OEM tolerances, then subsequent damage to main compressor components will result - which is a much costlier outcome. *Asset* Aux 4-1 Generator. Engine Top End components subject to replacement include (but are not limited to): cylinder heads, intake/exhaust/start valves, fuel valves. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - EGD	70 - Storage	Compression Stations	Pass	8842	MM:HMI Hi Perf Grafx-Replace	2025	$	146,911	*Issue/Concern* Existing graphics screens were installed in 2016 and have a life expectancy of of 3 to 5 years. Unlike most video equipment, these screens operate 24/7, and regular replacement is advocated to provide optimal alarm and fatigue management. *Asset* Affected asset includes the video display system. Existing display system was installed in 2016. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742337	Bickford MCC Replacement	2029	$	146,377	Issue/Concern/Opportunity: Existing MCC equipment has reached end of product lifecycle and should be upgraded to a current product consistent with other stations. Justification: Spare part availability is questionable. Limited to existing spares and equipment taken out of service and salvaged for spare parts. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	736922	Dawn Fire Pond Weir	2025	$	146,104	Issue/Concern/Opportunity: The Fire Pond at Dawn is currently not covered by an Environmental Compliance Approval (ECA), ECAs are required by the Ministry of Environment, Conservation, and Parks in the province of Ontario. A weir needs to be constructed on the pond to control the rate of discharge and meet ECA requirements. Justification: Compliance Assets: Fire Pond Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101894	Dawn Compressor Building Lighting 2026	2026	$	142,865	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734207	STO Obsolete Mechanical - Replace 2025	2025	$	142,701	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. Once the parts are no longer produced they must be reverse engineered and replaced which normally requires modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devices. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734209	STO Obsolete Mechanical - Replace 2027	2027	$	142,074	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. Once the parts are no longer produced they must be reverse engineered and replaced which normally requires modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devices. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743184	Lobo-A1-AMP-asset life- Air Compressor	2027	$	142,074	Issue/Concern: Lobo-A1-AMP-asset life- Air Compressor-GA22+-Atlas Copco-life cycle replacement :15-year of install :2006-expected date of replacement:2021	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - EGD	70 - Storage	Compression Stations	Pass	19388	SCOR:525 UPS-Replace	2028	$	141,826	*Issue/Concern* Uninterruptible Power Supplies (UPS) are employed heavily at compressor and meter stations. UPS systems allow critical controls to continue operating during a power failure and allow the Auxiliary Power Unit (APU) to get started. Controls are powered by the UPS until the APU gets on-line. UPS systems have a short life expectancy. Typically, the DC batteries weaken over a three year period, meaning that the UPS system will have a reduced operational duration when a power outage occurs. Failure of a UPS system to provide sufficient temporary power during a power outage, would result in shutdown of running compressor units. *Asset* UPS Systems. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	

STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**101874**	Obsolete Electrical-Replace 2026	**2026**	$	141,731	*Issue/Concern* Electrical assets with finite life expectancy include: (i) electrical distribution (panels, wiring); (ii) Motor Control Centres (MCC's); (iii) Auxiliary Power Units (APU's) & Transfer Switches; (iv) Variable Frequency Drives (VFD's); (v) Phase inverters and Transformers. Many of these assets at the edge of their useful life and like-for-like replacements may not available. Replacement of failed components may require some re-engineering to provide the required functionality. Large electerical assets are replaced, through specific named projects, however small electrical asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete electrical assets, is the most practical way to address end of life issues and to ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a memebr ot the electrical asset sub-class. *Related Program* Not Aoplicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**101883**	Obsolete Instrumentation-Replace 2026	**2026**	$	141,731	*Issue/Concern* Instrumentation assets with finite life expectancy include: (i) PLC's; (ii) Transmitters & switches; (iii) Actuators; (iv) Human Machine Interfaces (HMI's) & Video Displays. Many of these assets have a short life expectancy and experience planned obsolescence. Like-for-like replacements may not be available and replacement of failed components may require some re-engineering to provide the required functionality. Large instrumentation assets are replaced, through specific named projects, however small instrumentation asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete instrumentation assets, is the most practical way to address end of life issues and ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a member of the control & communication asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**737239**	High Performance Coating - Dawn Plant E	**2025**	$	139,638	Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743191**	Lobo-A1-AMP-asset life- Atm Storage Tank-Air receiver, 240 gal	**2026**	$	138,329	Issue/Concern: Lobo-A1-AMP-asset life- Atm Storage Tank-Air receiver, 240 gal-life cycle replacement :15-year of install :2006-expected date of replacement:2021	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743193**	Lobo-A1-AMP-asset life- Atm Storage Tank-glycol relief tank	**2026**	$	138,329	Issue/Concern: Lobo-A1-AMP-asset life- Atm Storage Tank-glycol relief tank-life cycle replacement :15-year of install :2005-expected date of replacement:2020	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743194**	Lobo-A2-AMP-asset life- Atm Storage Tank	**2026**	$	138,329	Issue/Concern: Lobo-A2-AMP-asset life- Atm Storage Tank--life cycle replacement :15-year of install :2002-expected date of replacement:2017	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743195**	Lobo-A2-AMP-asset life- Atm Storage Tank	**2026**	$	138,329	Issue/Concern: Lobo-A2-AMP-asset life- Atm Storage Tank--life cycle replacement :15-year of install :2005-expected date of replacement:2020	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743182**	Parkway -AMP -M&R relief tank installation	**2025**	$	138,288	Issue/Concern: Parkway -AMP -M&R relief tank installation, Tank has been bought and moved to Parkway needs to be installed on a concrete pad.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743183**	Parkway-AMP-TCPL Control Valve air conversion	**2025**	$	138,288	Issue/Concern: Parkway -AMP - TCPL Control Valve air conversion	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**748877**	Methane Remediation 2025 - Lobo Blowdown Valves	**2025**	$	138,288	DISCRETE INVESTMENT CREATED UNDER PROGRAM 734141 Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Valves will be rebuilt and upgraded to ANSI leakage class V specification to reduce methane emissions in the future. Assets: Lobo station blowdown valves LOBO-PLTB-SFCT-VALV-OVV 1320OVV 1320 LOBO B BLOWDOWN VALVE LOBO-PLTB-SFCT-VALV-OVV 1340OVV 1340 LOBO B BLOWDOWN VALVE	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**746975**	SSOM: 160-HV-0012 Replace	**2025**	$	137,590	Issue/Concern/Opportunity: During emissions testing this valve was found to be leaking to atmosphere. As per WO# 308908 Debit Methane Reduction Blanket (734321) Justification: LDAR deadline for repair is January 31, 2025. Extension has been requested to align with plant outage in May/June 2025. Leaking valves can create a dangerous environment putting personnel and assets at risk. Environmental Impact - Fugitive emissions. Assets: 160-HV-0012 (4" 600# Ball Valve) 160-HV-0014 (6" 600# Ball Valve) Related Investments: This project requires a plant wide outage to construct and is intended to coincide with the pre-planned outage for the replacement of ESV-6101 & ESV-6201 starting in May of 2025. Due to the costs associated with isolating Sombra Compressor Station, doing this project separately would increase costs dramatically.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**734210**	STO Obsolete Mechanical - Replace 2028	**2028**	$	136,806	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. Once the parts are no longer produced they must be reverse engineered and replaced which normally requires modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devices. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743185**	Lobo-A1-AMP-asset life- Air Compressor	**2028**	$	136,806	Issue/Concern: Lobo-A1-AMP-asset life- Air Compressor-GA22+ Atlas Copco-life cycle replacement :15-year of install :2006-expected date of replacement:2021	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734347	STO - UPS Battery replacements 2026	2026	$	136,062	*Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Justification* As per manufacturer and industry standards our UPS system batteries should be replaced on a ten (10) year basis. Locations Vary - as failure cannot be forecasted *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	749086	STO Portable Methane Detection System	2025	$	135,869	Issue/Concern/Opportunity: STO is required under the federal regulation SOR/2018-66 - Regulations Respecting the Reduction in the Release of Certain Volatile Organic Compounds (Upstream Oil and Gas Sector) to reduce its methane emissions though the use of a targeted methane Leak Detection and Repair (LDAR) inspection and monitoring program. As part of the STO LDAR program, a method is required to quantify methane emissions from various large sources such as blowdown stacks, drip tanks, and flare stacks and to validate repair effectiveness. This requirement is driven from the regulatory requirement to verify repairs using a methodology approved under EPA Method 21. Due to the nature of some equipment, measuring and quantifying leak rates on equipment that is large or high in the air is difficult and can be expensive. A portable methane detection unit will allow STO employees to perform repair verification and quantification easily and safely from ground level. The unit will also allow STO teams to reduce methane emissions by actively monitoring for emissions, and by enabling team to repair leaks more quickly and effectively. Contractors with portable methane detection equipment are currently employed after medium to large construction activities to assist in verifying piping integrity by scanning for emissions shortly after piping is pressurized. Purchasing our own equipment will lead to cost savings over time by allowing STO staff to complete this work internally.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742356	Edys Mills Fire & Gas Replacement	2028	$	135,788	Issue/Concern/Opportunity: The Gas and UV monitors currently in use are at end of support from the manufacturer and replacements are difficult to obtain. Upgrade to current UV and Gas monitor standard equipment. Justification: Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101895	Dawn Compressor Building Lighting 2027	2027	$	135,616	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101875	Obsolete Electrical-Replace 2027	2027	$	134,540	*Issue/Concern* Electrical assets with finite life expectancy include: (i) electrical distribution (panels, wiring); (ii) Motor Control Centres (MCC's); (iii) Auxiliary Power Units (APU's) & Transfer Switches; (iv) Variable Frequency Drives (VFD's); (v) Phase inverters and Transformers. Many of these assets at the edge of their useful life and like-for-like replacements may not available. Replacement of failed components may require some re-engineering to provide the required functionality. Large electerical assets are replaced, through specific named projects, however small electrical asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete electrical assets, is the most practical way to address end of life issues and to ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a memebr ot the electrical asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101885	Obsolete Instrumentation-Replace 2027	2027	$	134,540	*Issue/Concern* Instrumentation assets with finite life expectancy include: (i) PLC's; (ii) Transmitters & switches; (iii) Actuators; (iv) Human Machine Interfaces (HMI's) & Video Displays. Many of these assets have a short life expectancy and experience planned obsolescence. Like-for-like replacements may not be available and replacement of failed components may require some re-engineering to provide the required functionality. Large instrumentation assets are replaced, through specific named projects, however small instrumentation asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete instrumentation assets, is the most practical way to address end of life issues and ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a member of the control & communication asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742309	Parkway A and B Recycle Valves to Air	2028	$	134,319	Issue/Concern/Opportunity: Regulations relating to the release of methane and certain volatile organic compounds are moving towards the requirement of methane driven pneumatic controllers and pumps no longer bleeding methane. The regulation requires replacement of installed methane driven high bleed devices with no or low bleed devices. These devices are used to control gas pressure and flow. To reduce methane emissions, the recycle valves will convert from operating off power gas to instrument air. Justification: This is to reduce emissions and maintain compliance.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734211	STO Obsolete Mechanical - Replace 2029	2029	$	132,572	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. Once the parts are no longer produced they must be reverse engineered and replaced which normally requires modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devices. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101896	Dawn Compressor Building Lighting 2028	2028	$	130,588	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742152	Lobo A2 UPS Addition	2030	$	130,564	Issue/Concern/Opportunity; Lobo A1 and Lobo A2 share a UPS system that is common to both plants. Should this UPS fail, both plants will be unavailable for operation. Consider adding a new UPS and shifting all loads from A2 over to this new unit. Justification: A failure of the UPS will make both plants unavailable for operation. Each plant should have its own UPS to ensure a failure will only impact one units operation. Assets: Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101876	Obsolete Electrical-Replace 2028	2028	$	129,551	*Issue/Concern* Electrical assets with finite life expectancy include: (i) electrical distribution (panels, wiring); (ii) Motor Control Centres (MCC's); (iii) Auxiliary Power Units (APU's) & Transfer Switches; (iv) Variable Frequency Drives (VFD's); (v) Phase inverters and Transformers. Many of these assets at the edge of their useful life and like-for-like replacements may not available. Replacement of failed components may require some re-engineering to provide the required functionality. Large electerical assets are replaced, through specific named projects, however small electrical asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete electrical assets, is the most practical way to address end of life issues and to ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a memebr ot the electrical asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101886	Obsolete Instrumentation-Replace 2028	2028	$	129,551	*Issue/Concern* Instrumentation assets with finite life expectancy include: (i) PLC's; (ii) Transmitters & switches; (iii) Actuators; (iv) Human Machine Interfaces (HMI's) & Video Displays. Many of these assets have a short life expectancy and experience planned obsolescence. Like-for-like replacements may not be available and replacement of failed components may require some re-engineering to provide the required functionality. Large instrumentation assets are replaced, through specific named projects, however small instrumentation asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete instrumentation assets, is the most practical way to address end of life issues and ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a member of the control & communication asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**734348**	STO - UPS Battery replacements 2027	**2027**	$	129,158	*Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Justification* As per manufacturer and industry standards our UPS system batteries should be replaced on a ten (10) year basis. Locations Vary - as failure cannot be forecasted *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**101897**	Dawn Compressor Building Lighting 2029	**2029**	$	126,546	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**101877**	Obsolete Electrical-Replace 2029	**2029**	$	125,542	*Issue/Concern* Electrical assets with finite life expectancy include: (i) electrical distribution (panels, wiring); (ii) Motor Control Centres (MCC's); (iii) Auxiliary Power Units (APU's) & Transfer Switches; (iv) Variable Frequency Drives (VFD's); (v) Phase inverters and Transformers. Many of these assets at the edge of their useful life and like-for-like replacements may not available. Replacement of failed components may require some re-engineering to provide the required functionality. Large electerical assets are replaced, through specific named projects, however small electrical asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete electrical assets, is the most practical way to address end of life issues and to ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a memebr ot the electrical asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**101887**	Obsolete Instrumentation-Replace 2029	**2029**	$	125,542	*Issue/Concern* Instrumentation assets with finite life expectancy include: (i) PLC's; (ii) Transmitters & switches; (iii) Actuators; (iv) Human Machine Interfaces (HMI's) & Video Displays. Many of these assets have a short life expectancy and experience planned obsolescence. Like-for-like replacements may not be available and replacement of failed components may require some re-engineering to provide the required functionality. Large instrumentation assets are replaced, through specific named projects, however small instrumentation asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete instrumentation assets, is the most practical way to address end of life issues and ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a member of the control & communication asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**101955**	OSE #1 Top End O/H	**2028**	$	124,991	*Issue/Concern* Compressors are rotating equipment that is designed with inexpensive components intended to wear preferentially. This preferential wear then preserves the condition of large and expensive components. Overhauls are performed at regular intervals - in accordance with the OEM recommended preventative maintenance schedules - to replace wear items. Typically, an inspection is performed prior to performing an overhaul. Without regular replacement of wear items, reliability will diminish drastically. If wear items are not replaced to be within OEM tolerances, then subsequent damage to main compressor components will result - which is a much costlier outcome. *Asset* OSE #1 compressor unit. Engine Top End components subject to replacement include (but are not limited to): cylinder heads, intake/exhaust/start valves, fuel valves. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743156**	Parkway-A-AMP-Asset life cycle- Atm Storage Tank-Recycle emergency tank	**2026**	$	124,723	Issue/Concern: Parkway-A-AMP-Asset life cycle- Atm Storage Tank-Recycle emergency tank, Manchester, MAWP 200 psi@650f, 80 gal-life cycle replacement :15-year of install :2007-expected date of replacement:2022	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743157**	Parkway-A-AMP-Asset life cycle- Atm Storage Tank-Yard drip lines tank	**2026**	$	124,723	Issue/Concern: Parkway-A-AMP-Asset life cycle- Atm Storage Tank-Yard drip lines tank, Westerman Inc. Breman, WO#160816-life cycle replacement :15-year of install :2007-expected date of replacement:2022	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743158**	Parkway-A-AMP-Asset life cycle- Atm Storage Tank-Emergency pressure air tank	**2026**	$	124,723	Issue/Concern: Parkway-A-AMP-Asset life cycle- Atm Storage Tank-Emergency pressure air tank, manchester, MAWP 150 psi@650f, cat#01-6949 S, CRN F1144.1234567890, HD094, SH094-life cycle replacement :15-year of install :1990-expected date of replacement:2005	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743159**	Parkway-A-AMP-Asset life cycle- Atm Storage Tank-Emergency pressure air tank#2	**2026**	$	124,723	Issue/Concern: Parkway-A-AMP-Asset life cycle- Atm Storage Tank-Emergency pressure air tank, manchester, MAWP 150 psi@650f, cat#01-6949 S, CRN F1144.1234567890, HD094, SH094-life cycle replacement :15-year of install :1990-expected date of replacement:2005	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743160**	Parkway-A-AMP-Asset life cycle- Atm Storage Tank-Air tank inside the plant	**2026**	$	124,723	Issue/Concern: Parkway-A-AMP-Asset life cycle- Atm Storage Tank-Air tank inside the plant, Drummond Welding &steel wok LTD, 150 psi@50f, SN#k0301.5-life cycle replacement :15-year of install :1988-expected date of replacement:2003	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743165**	Parkway-B-AMP-Asset life cycle- Atm Storage Tank-Oil tank	**2026**	$	124,723	Issue/Concern: Parkway-B-AMP-Asset life cycle- Atm Storage Tank-Oil tank, Clemmer, 2200 L-life cycle replacement :15-year of install :2010-expected date of replacement:2025	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743166**	Parkway-B-AMP-Asset life cycle- Atm Storage Tank-run down tank-PT	**2026**	$	124,723	Issue/Concern: Parkway-B-AMP-Asset life cycle- Atm Storage Tank-run down tank-PT-life cycle replacement :15-year of install :2007-expected date of replacement:2022	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743167**	Parkway-B-AMP-Asset life cycle- Atm Storage Tank-run down tank-GG	**2026**	$	124,723	Issue/Concern: Parkway-B-AMP-Asset life cycle- Atm Storage Tank-run down tank-GG-life cycle replacement :15-year of install :2007-expected date of replacement:2022	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743168**	Parkway-B-AMP-Asset life cycle- Atm Storage Tank-Gasoline tank	**2026**	$	124,723	Issue/Concern: Parkway-B-AMP-Asset life cycle- Atm Storage Tank-Gasoline tank, Clemmer 1360 L-life cycle replacement :15-year of install :2008-expected date of replacement:2023	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743169**	Parkway-B-AMP-Asset life cycle- Atm Storage Tank-Diesel tank	**2026**	$	124,723	Issue/Concern: Parkway-B-AMP-Asset life cycle- Atm Storage Tank-Diesel tank, Clemmer, 2200 L-life cycle replacement :15-year of install :2008-expected date of replacement:2023	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743170**	Parkway-B-AMP-Asset life cycle- Atm Storage Tank-Recycle valves tank	**2026**	$	124,723	Issue/Concern: Parkway-B-AMP-Asset life cycle- Atm Storage Tank-Recycle valves tank, Manchester, 60 gal-life cycle replacement :15-year of install :2007-expected date of replacement:2022	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743171**	Parkway-B-AMP-Asset life cycle- Atm Storage Tank-Recycle valves tank#2	**2026**	$	124,723	Issue/Concern: Parkway-B-AMP-Asset life cycle- Atm Storage Tank-Recycle valves tank, Manchester, 240 gal-life cycle replacement :15-year of install :2007-expected date of replacement:2022	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**734349**	STO - UPS Battery replacements 2028	**2028**	$	124,369	*Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Justification* As per manufacturer and industry standards our UPS system batteries should be replaced on a ten (10) year basis. Locations Vary - as failure cannot be forecasted *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**746074**	Parkway West TCPM GC Replacement	**2025**	$	124,184	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742355**	Oil Springs East Fire & Gas Replacement	**2029**	$	123,664	Issue/Concern/Opportunity: The Gas and UV monitors currently in use are at end of support from the manufacturer and replacements are difficult to obtain. Upgrade to current UV and Gas monitor standard equipment. Justification: Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742990**	Dawn BDR Inlet Filter Replacement	**2027**	$	122,700	Issue/Concern/Opportunity: The gas that enters the BDR comes straight from the storage pools. The inlet filter is used to filter any contaminants or debris. The existing inlet filter is old and does not meet current standard for the quantity of natural gas flowing through the BDR. The scope would be to replace the inlet filter and many any necessary piping modifications. Justification: Replacement of the BDR inlet filter would improve the reliability and integrity of the BDR unit. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743192**	Lobo-A1-AMP-asset life- Atm Storage Tank-Glycol expansion tank	**2029**	$	122,529	Issue/Concern: Lobo-A1-AMP-asset life- Atm Storage Tank-glycol relief tank-life cycle replacement :15-year of install :2005-expected date of replacement:2020	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**743804**	Dawn Dehy Glycol Flow Control Upgrade	**2026**	$	121,398	Issue/Concern/Opportunity: Currently Foxboro Stand alone flow controllers manipulate control valves to control the flow of Lean TEG into each tower. When a tower section must be blocked in, the controllers must all be manually adjusted by operations in order to balance flow. The Foxboro controllers could be replaced by a flow transmitter and a DVC and controlled by the PLC. The PLC would automatically calculate required valve position based on flow through that particular tower allowing more even flow between all the towers. The Foxboro controllers are old technology and have require frequent maintenance by the tech department and they do not control as well as a PLC Control loop would. Justification: There is no ability to control gas flow through each of the towers. Having the ability to remotely adjust the Lean TEG flow through each tower would assist operations in compensating for the fact that there is no gas flow control. There are also maintenance issues with the Orifices on the Foxboro controllers plugging off. Assets: Dawn Dehy Related Investments: There may be a project added to add flow control to inlet/outlet gas.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742343**	Dow A MCC Replacement	**2030**	$	121,343	Issue/Concern/Opportunity: Existing MCC equipment has reached end of product lifecycle affecting part availability and should be upgraded to a current product consistent with other stations. Justification: Spare part availability is questionable. Limited to existing spares and equipment taken out of service and salvaged for spare parts. An MCC failure could result in a compressor plant outage for a couple of weeks to complete a temporary repair. Depending on the time of year and system demands, this has the potential for significant losses. These MCCs feed essential motors and equipment which are required to maintain operation. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**734350**	STO - UPS Battery replacements 2029	**2029**	$	120,520	*Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Justification* As per manufacturer and industry standards our UPS system batteries should be replaced on a ten (10) year basis. Locations Vary - as failure cannot be forecasted *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**743043**	SSOM-541-T-0806 Incinerator Collections Tank Replacement	**2026**	$	119,928	Issue/Concern/Opportunity: Incinerator liquids collection tank is reach end of life Justification: Liquids tanks are prone to corrosion; when failure occurs environmental spills are possible Assets: S_SOM-541-T-0806 Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742350**	Oil Springs East MCC Replacement	**2030**	$	117,826	Issue/Concern/Opportunity: Existing MCC equipment has reached end of product lifecycle and should be upgraded to a current product consistent with other stations. Justification: Spare part availability is questionable. Limited to existing spares and equipment taken out of service and salvaged for spare parts. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**740891**	SCOR: 64111 Gearbox and Glycol Pump Upgrade	**2025**	$	115,177	Issue/Concern/Opportunity: Pump shaft regularly breaks and requires repairs and downtime from 2 -7 days. Problem stems from non-standard gearbox and pump installed on this engine from a different engine. Proper gearbox and SRBL pump already in inventory. Justification: Increase reliability of K711 engine, preventing a variety of potential failures Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**17118**	SCOR:Obsolete Mech-Replace 2026	**2026**	$	113,931	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - 1964 to 1995 - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. An example would auxiliary oil pumps used to circulate oil wen the unit is not running. These pumps are showing steadily declining performance. Once the pumps can no longer produce the required outlet pressure, the entire pump assembly must be reverse engineerd and replaced which also normally requires piping modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devicces. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742994**	Dawn Glycol Cooler Replacements	**2029**	$	110,879	Issue/Concern/Opportunity: The glycol coolers at Aux 2, Aux 3, and Aux 4 (two coolers) are at end of life. Coolers are outdated and cannot obtain replacement parts. Coolers are to be replaced. Justification: Replacement of glycol coolers will improve the integrity and reliability of the glycol system at the Aux buildings, ensuring that the glycol are at a certain temperature. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**101893**	Dawn Compressor Building Lighting 2025	**2025**	$	110,685	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**743052**	SSOM: V-826 Tower Isolation	**2030**	$	109,324	Issue/Concern/Opportunity: Isolation valves associated with the V-826 Contactor Tower at Sombra Compressor Station have reached the end of their anticipated service life and may not be functioning adequately. Justification: Malfunctioning isolation valves prevent process piping from being adequately isolated as intended, and as per process hazard assessments (PHA) conducted to ensure piping systems are designed safely. Inadequate isolation on pressure vessels increases maintenance costs of the associated piping system and may contribute to unsafe practices. Ensuring isolation valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: 535-V-826 Contactor Tower 133-HV-1309 (12"-600#) 133-HV-7601 (12"-600#) 133-HV-82622 (12"-600#) 133-HV-82623 (12"-600#) Related Investments: Isolation valves associated with the two adjacent Contactor Towers are also in need of replacement and are captured in a separate investment. If constructed together, some costs savings between the three projects may be realized.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**17119**	SCOR:Obsolete Mech-Replace 2027	**2027**	$	109,143	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - 1964 to 1995 - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. An example would auxiliary oil pumps used to circulate oil wen the unit is not running. These pumps are showing steadily declining performance. Once the pumps can no longer produce the required outlet pressure, the entire pump assembly must be reverse engineerd and replaced which also normally requires piping modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devicces. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742875**	Payne Building Heat	**2027**	$	107,472	Issue/Concern/Opportunity: Currently no building heat at Payne Compressor Station. Justification: Adding building heat will ensure that all components are at a suitable temperature during the winter, improving integrity and reliability. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**746678**	Tecumseh 2 Ultrasonic Meter Upgrade	**2025**	$	105,735	Issue/Concern/Opportunity: T-11 and T-12 type transducers are obsolete and no longer supported by manufacturer for Daniels Ultrasonic meters. New models of transducers are T-21, T-22 and T200. T200 models are inside of a pressure well, therefore the transducer section is not inserted into pipe. This means that when work is needed, the pipe does not need to be depressurized, and gas does not need to be evacuated into atmosphere. This would be the preferred model of transducer to go with. Any meter that was manufactured before 2003 cannot be upgraded to the T200 series transducers. In the case of older meters, we would upgrade to the T-21/T-22 series, which offer better reliability and would reduce the amount of repairs/replacement work on the transducers. In addition to the transducers being obsolete, the MKIII electronics are also obsolete. Getting replacement CPUs is not an option. We also need to upgrade CPUs for all of our ultrasonic meters from MKIII to the 3410 model. Justification: Need to upgrade transducers before they fail as we have no spares to replace. Currently have 26 ultrasonic meters with obsolete transducers. Assets: Daniels Ultrasonic meters with older type transducers across all of STO Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**101962**	OSE #1 Bottom End O/H	**2028**	$	104,159	*Issue/Concern* Compressors are rotating equipment that is designed with inexpensive components intended to wear preferentially. This preferential wear then preserves the condition of large and expensive components. Overhauls are performed at regular intervals - in accordance with the OEM recommended preventative maintenance schedules - to replace wear items. Typically, an inspection is performed prior to performing an overhaul. Without regular replacement of wear items, reliability will diminish drastically. If wear items are not replaced to be within OEM tolerances, then subsequent damage to main compressor components will result - which is a much costlier outcome. *Asset* OSE#1 compressor unit. Engine Bottom End components subject to replacement include (but are not limited to): pistons, rings, power cylinder liners, conrod bearings. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**743102**	SSOM: Vector FCV Replace	**2030**	$	104,118	Issue/Concern/Opportunity: A Flow Control Valve designed to control the outflow of gas to the Vector transmission pipeline has reached the end of its anticipated service life and requires replacement. Justification: Improperly functioning control valves impact operability, preventing the associated piping and equipment from being operated within original design parametes. Process hazard assessments (PHA) are conducted based on all control systems operating as designed. Ensuring valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: 130-FCV-6001 (12"-600#)	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742411**	Sandwich Vibration Monitor Upgrade	**2029**	$	102,839	Issue/Concern/Opportunity: Replace obsolete Bently Nevada BN1701 vibration monitor with Rockwell Dynamix XM-1444 system. Upgrade 7200 series probes to 3300. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**17120**	SCOR:Obsolete Mech-Replace 2028	**2028**	$	102,072	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - 1964 to 1995 - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. An example would auxiliary oil pumps used to circulate oil wen the unit is not running. These pumps are showing steadily declining performance. Once the pumps can no longer produce the required outlet pressure, the entire pump assembly must be reverse engineerd and replaced which also normally requires piping modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devicces. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743129	Parkway-AMP-Fire Water Pump - Overhaul-Parkway West	2026	$	102,046	Issue/Concern: Coming from the OPs team for the 10 year-asset management plan project. Parkway-AMP-Fire Water Pump - Overhaul- Parkway West	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743186	Lobo-A1-AMP-asset life- Filters-Inlet filter	2026	$	102,046	Issue/Concern:Lobo-A1-AMP-asset life- Filters-Inlet filter-Fab Co metals-life cycle replacement :40-year of install :1970-expected date of replacement:2010	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743222	Lobo-A2-AMP-asset life- Filters	2026	$	102,046	Issue/Concern: Lobo-A2-AMP-asset life- Filters--life cycle replacement :40-year of install :1972-expected date of replacement:2012	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	749451	Bright B Compressor Station 2025 Seal Gas Filtration Modifications	2025	$	100,676	Issue/Concern/Opportunity: The seal gas filters at Bright are plugging up rapidly with a "black powder" type substance, and occasionally, this powder leaks through to the compressor seals. Too much leakage over time will eventually cause seal failure, and costly replacements. Additional filtration upstream of the primary filters must be added to mitigate both of these problems. Justification: Preventative action to reduce the compressor seal replacement schedule. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - EGD	70 - Storage	Compression Stations	Pass	742265	SSOM: V-807 Inlet Isolation	2026	$	100,627	Issue/Concern/Opportunity: The inlet isolation valve associated with V-807 Suction Scrubber has reached the end of its anticipated service life and may not be functioning adequately. Justification: Inadequate isolation on pressure vessels increases maintenance costs of the associated piping system and may contribute to unsafe practices. Ensuring isolation valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: 62201-V-807 Suction Scrubber 62201-HV-0001 Related Investments: A similar replacement associated with V-0808 suction scrubber is anticipated to be constructed together with this investment to capitalize on efficiencies and minimize duplicated costs.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - EGD	70 - Storage	Compression Stations	Pass	742266	SSOM: V-808 Inlet Isolation	2026	$	100,627	Issue/Concern/Opportunity: The inlet isolation valve associated with V-808 Suction Scrubber has reached the end of its anticipated service life and may not be functioning adequately. Justification: Inadequate isolation on pressure vessels increases maintenance costs of the associated piping system and may contribute to unsafe practices. Ensuring isolation valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: 62202-V-808 Suction Scrubber 62202-HV-0001 Related Investments: A similar replacement associated with V-0807 suction scrubber is anticipated to be constructed together with this investment to capitalize on efficiencies and minimize duplicated costs.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - EGD	70 - Storage	Compression Stations	Pass	101863	SCOR:Obsolete Mech-Replace 2029	2029	$	98,912	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - 1964 to 1995 - the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. An example would auxiliary oil pumps used to circulate oil wen the unit is not running. These pumps are showing steadily declining performance. Once the pumps can no longer produce the required outlet pressure, the entire pump assembly must be reverse engineerd and replaced which also normally requires piping modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devicces. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742301	Sandwich OBV-002 Valve Replacement (Core)	2025	$	97,742	Issue/Concern/Opportunity: Sandwich valve OBV-002 is an old valve originally from 1980's. The Rockwell ball valve is in poor condition and these valves are prone to stem packing leaks (old Rockwell valve OBV-001 had stem packing leak in 2022). Valve is to be replaced with new Cameron ball valve, similar to that of OBV-001. Justification: Sandwich valve OBV-002 to be replaced with new Cameron ball valve. This will improve the integrity and reliability of the system. Reliability of system is crucial for Sandwich Compressor Station as it is in use for majority of the year. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746035	Cuthbert Total Measurement GC Replacement	2027	$	96,869	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	734237	Parkway Ultrasonic Meter Upgrades 2024	2026	$	96,764	Issue/Concern/Opportunity: T-11 and T-12 type transducers are obsolete and no longer supported by manufacturer for Daniels Ultrasonic meters. New models of transducers are T-21, T-22 and T200. T200 models are inside of a pressure well, therefore the transducer section is not inserted into pipe. This means that when work is needed, the pipe does not need to be depressurized, and gas does not need to be evacuated into atmosphere. This would be the preferred model of transducer to go with. Any meter that was manufactured before 2003 cannot be upgraded to the T200 series transducers. In the case of older meters, we would upgrade to the T-21/T-22 series, which offer better reliability and would reduce the amount of repairs/replacement work on the transducers. In addition to the transducers being obsolete, the MKIII electronics are also obsolete. Getting replacement CPUs is not an option. We also need to upgrade CPUs for all of our ultrasonic meters from MKIII to the 3410 model. Justification: Need to upgrade transducers before they fail as we have no spares to replace. Currently have 26 ultrasonic meters with obsolete transducers. Assets: Parkway East TCPL, Parkway West Enbridge Cons 2, Parkway West Enbridge GTA, Parkway West TCPL Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746578	Dow A Boiler Building	2026	$	95,955	Due to the aging of existing steel building, it has corrosion in different areas creating gaps in the building walls near the floor. The corrosion on the building floor has also been observed. The building needs to be replaced or extensively refurbished	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101244	Bright Compressor Station Lighting 2025	2025	$	94,754	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures. (Bright 2025) Replacement of failed lighting units and upgrading to new more efficient lighting	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742773	Dawn Dehy Flash Tank Upgrade	2028	$	93,588	Issue/Concern/Opportunity: The original flash tank installed was designed to accommodate two dehy towers. The flash tank is severely undersized for the amount of glycol going through the towers. There have been a number of occasions where spillover occurs. The undersized flash tank will not allow for proper separation of vapour and liquid in the glycol. Justification: New upsized flash tank will improve glycol's ability to separate, resulting in greater integrity of the system. Safety will also be increased as there will not be any spillover. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	17117	SCOR:Obsolete Mech-Replace 2025	2025	$	93,554	*Issue/Concern* OEM supplied compressor parts are still generally available. During installation of compressors - 1964 to 1995 -the OEM supplied auxiliary system components were manufactured by others. Many of these auxiliary system components are no longer available. An example would auxiliary oil pumps used to circulate oil wen the unit is not running. These pumps are showing steadily declining performance. Once the pumps can no longer produce the required outlet pressure, the entire pump assembly must be reverse engineerd and replaced which also normally requires piping modifications. If not proactively replaced, these obsolete components can limit the functionality and reliability of EGS systems including those pertaining to safety and operation. *Assets* Compressor auxiliary systems - glycol and oil pumps, fuel system components, intake air/turbo filters/coolers, exhaust components, temperature control valves, capacity control devicces. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	748906	STO - UPS Battery Replacements 2025 - Lobo	2025	$	92,590	DISCRETE INVESTMENT WITHIN PROGRAM 102733 *Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Justification* As per manufacturer and industry standards our UPS system batteries should be replaced on a ten (10) year basis. Locations Vary - as failure cannot be forecasted *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746077	Parkway East GC Replacement	2026	$	90,708	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746695	Bright oil storage building	2025	$	90,281	Issue/Concern/Opportunity: Health and safety concern Justification: JHSC Item - Storing used and clean oil together in one room Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	749012	Dawn I Surge Controller	2025	$	88,832	Issue/Concern/Opportunity: Current surge protection shuts unit down when experiencing minimal changes in suction pressure. When pumping to the mainline, surge control would allow the suction pressure to be as low as possible to help move Tecumseh volumes to Dawn. Justification: Lower suction pressures at Dawn would provide a 1-1.25% increase in flow from Tecumseh. 1. 15 MMscfd by dropping the transmission suction by 10 psi, and 2. 30 MMscfd by dropping the transmission suction by 20 psi. Assets: Dawn I Surge Controller Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746028	Bright Plant A GC Replacement	2025	$	88,002	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743041	DOW A Timing Chain and Camshaft Overhaul	2028	$	87,059	Issue/Concern/Opportunity: Timing chain and camshaft from original engine and are at end of life. Those components will be refurbished/overhauled as necessary. Justification: Timing chain and camshaft refurbishment/overhaul will improve reliability of the engine. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	13002	SCOR:S20 MCC2 Starter-Upgrade	2025	$	87,002	*Issue/Concern* 600 VAC, 3 phase motor starters are normally located in a general purpose electrical area classification and control electric motors located in hazardous areas. MCC electric motor starters are becoming obsolete at the SCOR:S20 MCC building. Replacement parts are becoming more expensive and lead times are increasing. These electrical parts are experiencing the effects of planned obsolescence, because latest generation motor starters are now the industry norm. Newer motor starters are now "smarter" and safer during maintenance. *Asset* Building 2 MCC - motor starters. *Related Program* Not applicable.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746032	Hagar GC Replacement	2026	$	85,039	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	743044	SSOM: V-820 Tower Isolation	2030	$	83,295	Issue/Concern/Opportunity: Isolation valves associated with the V-820 Contactor Tower at Sombra Compressor Station have reached the end of their anticipated service life and may not be functioning adequately. Justification: Malfunctioning isolation valves prevent process piping from being adequately isolated as intended, and as per process hazard assessments (PHA) conducted to ensure piping systems are designed safely. Inadequate isolation on pressure vessels increases maintenance costs of the associated piping system and may contribute to unsafe practices. Ensuring isolation valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: 535-V-820 Contactor Tower 535-HV-82021 (10"-600#) 133-HV-82022 (10"-600#) 133-HV-82023 (10"-600#) Related Investments: Isolation valves associated with the two adjacent Contactor Towers are also in need of replacement and are captured in a separate investment. If constructed together, some costs savings between the three projects may be realized.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - EGD	70 - Storage	Compression Stations	Pass	743049	SSOM: V-821 Tower Isolation	2030	$	83,295	Issue/Concern/Opportunity: Isolation valves associated with the V-820 Contactor Tower at Sombra Compressor Station have reached the end of their anticipated service life and may not be functioning adequately. Justification: Malfunctioning isolation valves prevent process piping from being adequately isolated as intended, and as per process hazard assessments (PHA) conducted to ensure piping systems are designed safely. Inadequate isolation on pressure vessels increases maintenance costs of the associated piping system and may contribute to unsafe practices. Ensuring isolation valves function adequately is key to maintaining intended functionality. Properly functioning valves reduce environmental impact, process and personnel safety, and improves overall operability and maintainability. Assets: 535-V-821 Contactor Tower 535-HV-82121 (10"-600#) 133-HV-82122 (10"-600#) 133-HV-82123 (10"-600#) Related Investments: Isolation valves associated with the two adjacent Contactor Towers are also in need of replacement and are captured in a separate investment. If constructed together, some costs savings between the three projects may be realized.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	49904	Payne Compressor Stn Transformer	2029	$	83,071	Issue/Concern/Opportunity: Hydro outages at the station frequently result in the one of the phases dropping. When power returns, all of the electrical devices will be re-energized except for the 600V items which include the compressor engine oil pump. Attempting to start the compressor in this scenario results in an start abort due to low lube oil pressure. Technician assistance is generally requested to troubleshoot the start abort which leads back to resetting of the breaker. Justification: Upgrading the service to 600V and replacing the transformer will alleviate this nuisance trip issue. Assets: Payne Compressor station electrical infrastructure Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742632	Dawn Trafalgar Valve Nest PLC5 Upgrade	2028	$	80,957	Issue/Concern/Opportunity: Upgrade PLC5 to Controllogix, change communications to Fiber Optic Justification: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742451	Parkway East Plant B PLC Processor & Firmware Upgrades	2027	$	80,724	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746033	LOBO Plant D GC Replacement	2026	$	79,369	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	13000	SCOR:530 FIT126-Upgrade	2026	$	77,953	*Issue/Concern* Transmitter head on coreolis meter FIT126 is becoming obsolete. This coreolis meter measures main fuel gas supply to compression. Accurate measurement of recovered gas is needed to conduct current GHG reporting and also support upcoming methane reduction regulations. *Asset* FIT-126 *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742412	Sandwich Compressor Skid HMI Replacement	2028	$	77,570	Issue/Concern/Opportunity: Replace obsolete compressor skid HMI. Still using Windows 7 display unit. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742987	Dawn I Gas Turbine Fan Replacements	2026	$	77,555	Issue/Concern/Opportunity: There are three fans that are part of the enclosure for the RB211 engine. These fans are starting to fail and have reached the end of its life cycle. The scope would be to have the manufacturer inspect these fans and overhaul/replace. Justification: These fans are required to ensure the gas turbine is cooled sufficiently. Replacement/overhaul would improve the reliability and integrity of the RB211 engines. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742989	Dawn H Gas Turbine Fan Replacements	2026	$	77,555	Issue/Concern/Opportunity: There are three fans that are part of the enclosure for the RB211 engine. These fans are starting to fail and have reached the end of its life cycle. The scope would be to have the manufacturer inspect these fans and overhaul/replace. Justification: These fans are required to ensure the gas turbine is cooled sufficiently. Replacement/overhaul would improve the reliability and integrity of the RB211 engines. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746034	Bright Plant C GC Replacement	2027	$	75,342	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746076	Parkway West GTAM GC Replacement	2027	$	75,342	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742154	Lobo Plant A Transfer Switch	2030	$	75,325	Issue/Concern/Opportunity; Lobo Plant A Transfer switch is 30+ years old and has reached end of life. Replacement parts will be difficult to find in the event of a failure. To prevent a failure of this switch from causing an extended outage on Plant A1/A2, the switch should be replaced. Justification: The product is no longer current and replacement parts will be difficult to find. A failure could result in an exteneded outage on Plant A1/A2. Assets: Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742225	Dawn North South Header Building PLC5 Replacement	2027	$	75,228	Currently, the Dawn North-South Header Building is being controlled by an Allen Bradley PLC 5. This series of PLCs has been obsolete for several years and replacement parts cannot be purchased any more. This PLC controls the entire plant and the plant cannot be operated with out it. Should a failure happen, the plant will remain unavailable until a usable spare part can be recovered from another plant and installed and configured, rendering the other plant unavailable for use	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**8469**	SCOR:INET-Upgrade	**2027**	$	74,677	*Issue/Concern* Storage employs some smaller field monitoring devices that operate with an INET communication protocol. INET is less expensive than Redline, and is appropriate for short range, low band width applications. Existing INET communication devices are approaching end of life, primarily due to planned obsolescence. *Asset* Control and communications systems. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**8626**	SCHT:Controls-Upgrade	**2027**	$	74,677	*Issue/Concern* Flow control devices are experiencing decreasing reliability and are approaching end of life. Parts are becoming less available and more expensive - due to planned obsolescence. Flow control devices are critical for a Storage operation during free flow. *Asset* SCHT Metering system *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742195**	Dawn Aux 4 Fire and Gas Monitor Replacements	**2026**	$	74,480	The Gas and UV monitors currently in use in Dawn Aux 4 are at end of support from the manufacturer and replacements are difficult to obtain. Upgrade to current UV and Gas monitor standard equipment. Upgrade CO Detection in the boiler room and generator room to current models with remote alarming.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**12871**	SM:Obsolete Elec-Replace 2025	**2025**	$	73,617	*Issue/Concern* Electrical assets with finite life expectancy include: (i) electrical distribution (panels, wiring); (ii) lighting; (iii) Motor Control Centres (MCC's); (iv) Auxiliary Power Units (APU's) & Transfer Switches; (v) Variable Frequency Drives (VFD's); (vi) Phase inverters and Transformers. Many of these assets at the edge of their useful life and like-for-like replacements may not available. Replacement of failed components may require some re-engineering to provide the required functionality. Large electrical assets are replaced, through specific named projects, however small electrical asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete electrical assets, is the most practical way to address end of life issues and to ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a member of the electrical asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**740931**	SCOR: Boiler & Gen Start Air OPP Upgrades	**2026**	$	72,818	PSVs that are undersized or possess hazardous outlet pipe arrangements. Valves include: 553-PSV-181 553-PSV-183 512-PSV-070 512-PSV-071	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**746038**	Dawn H Plant GC Replacement	**2028**	$	72,549	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**746039**	Vector Dawn GC Replacement	**2028**	$	72,549	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**746078**	Parkway West Cons2 GC Replacement	**2028**	$	72,549	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**746079**	Lisgar GC Replacement	**2028**	$	72,549	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**48284**	Bickford Pool Siemens MCC replacement	**2026**	$	71,092	The manufacturer has informed us that the equipment is obsolete in favour of a new style. Parts availability is affected. An MCC failure could result in a compressor plant outage for a couple of weeks to complete a temporary repair. Depending on the time of year and system demands, this has the potential for significant losses. These MCCs feed essential motors and equipment which are required to maintain operation.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**501150**	Bright C GGLO scheduling valve and Controller replacement	**2023**	$	71,066	When the compressor plant was installed, the oil scheduling valve and controller we being made obsolete but the OEM. Siemens had no approved alternative, so the old valve and controller were installed. There have been several failures in recent years. The replacement valve and controller is not a direct replacement	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**736015**	STO Moisture Analyzer Upgrade 2025	**2025**	$	71,066	Issue/Concern/Opportunity: Moisture analyzers are required to be sent back to vendor for repairs and updates . Cleanup and firmware upgrades take place periodically when moisture analysis becomes no longer reliable. 2 to 3 moisture analyzers are sent out annually. Assets are becoming obsolete as replacements for our current model of analyzers are available. Justification: Measuring moisture content accurately is crucial as is required by interconnect agreements and moisture content tariffs with customers. Assets: Tunable Diode Laser Moisture Analysers. Spectra Sensor SS2000 and SS3000 Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	**Div_53 - Union South Storage**	Compression Stations	**Pass**	**742982**	Dawn H Ampliflow Panel Upgrade	**2025**	$	71,066	Issue/Concern/Opportunity: The Ampliflow systems ensures that clean, dry gas is supplied to the dry gas seals and ensures that adequate pressure is available during pressured hold and start up/shutdown. Ampliflows are standard on all new units. We have seen mulitple failures of the pumps on our units and they need to be redesigned so that they last. When failures occur, there are periods where we do not have adequate seal gas flow. Justification: The Ampliflow systems ensures that clean, dry gas is supplied to the dry gas seals and ensures that adequate pressure is available during pressured hold and start up/shutdown Assets: Dawn H Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	**70 - Storage**	Compression Stations	**Pass**	**749800**	K704 Muffler insulation replacement (Core)	**2025**	$	70,964	Replacement - The insulation on unit K704 is deteriorating and requires replacement. This insulation provides not only protection from noise and heat but also provides our exhaust piping protection from environmental elements preventing pipe degradation.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742995	Dawn TCPL Export Spool Fabrication	2025	$	70,177	Issue/Concern/Opportunity: A spool would be required for TCPL measurement system. This is to ensure that gas can still flow without having to be out of commission for meter calibration. Justification: Without new spool, the TCPL export system would be out of commission for meter calibration. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	501398	SCOR:641xx OPP-Upgrade	2029	$	69,992	*Issue/Concern* Outlet piping from 641xx-PSV-022 and 641yy-PSV-034 (where "xx" is 01/02/03 and "yy" is 04/05/06/07/08/09/10/11) is simply routed through the building wall and vented to atmosphere, without containment of a potential liquids release. Scenarios capable of producing a "liquids release" to atmosphere were evaluated. The only credible "liquids release" scenario occurs if the pressure control system, regulating glycol supply pressure into the associated compressor building (from the boilers), fails and increased glycol supply pressure to 64101-PCV-001 causes the set pressure of 64101-PSV-022 set pressure to be exceeded. Regulators that could fail in the "liquids release" scenario include: 553-PCV-117 (bldg1); 553-PCV-122 & 553-PCV-123 (bldg2); and 553-PCV-138 (bldg3). Assuming that "liquids release" scenarios are mitigated, the cushion tank reliefs are only needed in the event of a cooling system failure and steam is being generated by the engine. The flow capacity of the 64101-PSV-022 for steam flow is adequate to manage a cooling system failure. Technically, a containment tank is not required on the PSV outlet. *Asset* 641xx-PSV-022 and 641yy-PSV-034 (where "xx" is 01/02/03 and "yy" is 04/05/06/07/08/09/10/11) *Related Program* SCOR HAZOP Recommendations	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	8846	SCOR:HMI PCs-Replace	2028	$	69,839	*Issue/Concern* HMI's at the new SCOR control room were installed in 2016. Life expectancy for these HMI's is 3 to 5 years. *Asset* Controls and communications *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	749003	Airport Ultrasonic Meter Recertification/Upgrade	2025	$	68,389	Issue/Concern/Opportunity: Ultrasonic meters require renewal every 8 years to ensure they measure accurately. T-11 and T-12 type transducers are obsolete and no longer supported by manufacturer for Daniels Ultrasonic meters. New models of transducers are T-21, T-22 and T200. T200 models are inside of a pressure well, therefore the transducer section is not inserted into pipe. This means that when work is needed, the pipe does not need to be depressurized, and gas does not need to be evacuated into atmosphere. This would be the preferred model of transducer to go with. Any meter that was manufactured before 2003 cannot be upgraded to the T200 series transducers. In the case of older meters, we would upgrade to the T-21/T-22 series, which offer better reliability and would reduce the amount of repairs/replacement work on the transducers. In addition to the transducers being obsolete, the MKIII electronics are also obsolete. Getting replacement CPUs is not an option. We also need to upgrade CPUs for all of our ultrasonic meters from MKIII to the 3410 model. Justification: Regulatory requirement from Measurement canada to recertify meters on a regular frequency. Need to upgrade transducers before they fail as we have no spares to replace. Currently have 26 ultrasonic meters with obsolete transducers. Assets: Airport Ultrasonic Meter 1	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	736014	STO Moisture Analyzer Upgrade 2024	2026	$	68,031	Issue/Concern/Opportunity: Moisture analyzers are required to be sent back to vendor for repairs and updates . Cleanup and firmware upgrades take place periodically when moisture analysis becomes no longer reliable. 2 to 3 moisture analyzers are sent out annually. Assets are becoming obsolete as replacements for our current model of analyzers are available. Justification: Measuring moisture content accurately is crucial as is required by interconnect agreements and moisture content tariffs with customers. Assets: Tunable Diode Laser Moisture Analysers. Spectra Sensor SS2000 and SS3000 Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	736016	STO Moisture Analyzer Upgrade 2026	2026	$	68,031	Issue/Concern/Opportunity: Moisture analyzers are required to be sent back to vendor for repairs and updates . Cleanup and firmware upgrades take place periodically when moisture analysis becomes no longer reliable. 2 to 3 moisture analyzers are sent out annually. Assets are becoming obsolete as replacements for our current model of analyzers are available. Justification: Measuring moisture content accurately is crucial as is required by interconnect agreements and moisture content tariffs with customers. Assets: Tunable Diode Laser Moisture Analysers. Spectra Sensor SS2000 and SS3000 Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742432	Bright A1 PLC Processor & Firmware Upgrades	2026	$	68,031	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742433	Bright A2 PLC Processor & Firmware Upgrades	2026	$	68,031	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	745052	Lobo B Yard Suction Blowdown Valve-OVV-1320	2025	$	68,031	Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Valves will be rebuilt and upgraded to ANSI leakage class V specification to reduce methane emissions in the future. Emissions ID: 200006335 identified a methane leak coming from the Lobo Plant B Yard Blowdown Silencer. After troubleshooting with Montrose, both 1320 & 1340 leak by although mostly coming from OVV-1340. Compliance Date: July 14, 2025 This is a Fisher valve operator type 657, Size 70, SN 788421 and on a 6" valve. This operator is required to be sent to Lakeside for an overhaul/upgrade. Justification: Valves account for over $80k in lost gas per year and require rebuild or replacement as per methane emission regulation. Assets: Lobo yard	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	745053	Lobo B Yard Discharge Blowdown Valve-OVV-1340	2025	$	68,031	Issue/Concern/Opportunity: Emissions ID: 200028871 identified a methane leak coming from the Lobo Plant B Yard Blowdown Silencer. After troubleshooting with Montrose, both 1320 & 1340 leak by although mostly coming from OVV-1340. Compliance Date: Jan 6, 2027 This is a Fisher valve operator type 657, Size 70, SN 788423 and on a 6" valve. This operator is required to be sent to Lakeside for an overhaul/upgrade. Assets: Lobo yard	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	748879	Methane Remediation 2025 - Bright Drip Tanks	2025	$	67,932	DISCRETE INVESTMENT CREATED UNDER PROGRAM 734141 Issue/Concern/Opportunity: Valve leakage determined via 3rd party leak detection assessment. Repairs are required and mitigation timeframes determined as per quantified leak rates. Valves will be rebuilt and upgraded to ANSI leakage class V specification to reduce methane emissions in the future. Assets: Bright Drip system valves	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742381	Dawn F1 Compressor Skid HMI Replacement	2026	$	67,801	Issue/Concern/Opportunity: Replace obsolete compressor skid HMI. Still using Windows XP display unit. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742382	Dawn F2 Compressor Skid HMI Replacement	2026	$	67,801	Issue/Concern/Opportunity: Replace obsolete compressor skid HMI. Still using Windows XP display unit. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	8845	SCOR:HMI PCs-Replace	2025	$	67,677	*Issue/Concern* HMI's at the new SCOR control room were installed in 2016. Life expectancy for these HMI's is 3 to 5 years. Replacements are expected in 2022, 2025 and 2028. *Asset* Controls and communications *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742387	Iroquois Falls UPS System Upgrade	2029	$	66,886	Issue/Concern/Opportunity: Upgrade 120V UPS system from stand alone SOLA. Justification: Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742379	Dawn F1 Vibration Monitor Upgrade	2027	$	66,880	Issue/Concern/Opportunity: Replace obsolete Bently Nevada BN1701 vibration monitor with Rockwell Dynamix XM-1444 system. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742380	Dawn F2 Vibration Monitor Upgrade	2027	$	66,880	Issue/Concern/Opportunity: Replace obsolete Bently Nevada BN1701 vibration monitor with Rockwell Dynamix XM-1444 system. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	749735	S_COR: FIMP K704 K711 Discharge Piping Clamp Remediation	2025	$	66,710	Issue/Concern/Opportunity: In Fall of 2025 the discharge piping of K704 and K711 at Corunna Compressor Station were experiencing high levels of vibration, as reported by operations. Vibration analysis was done on both engines while operating and then the engines were shut down. Vibration levels on K704 were in the danger zone, while K711 levels were acceptable (at the time of testing). NDE was completed on the K704 discharge piping and gas aftercooler header boxes, showing no defects of concern. FIMP created a remediation action report based on the NDE findings which identify a scope of work requiring completion prior to the engine operating again. Justification: FIMP remediation action report Assets: K704 and K711 discharge piping and gas aftercoolers Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	9066	SM:SCADA-Annual Upgrade 2026	2026	$	65,960	*Issue/Concern* IT-related threats to Storage include: security breaches, data loss and SCADA system failures. Electronic control systems, which directly control of Gas Storage Assets, must be regularly upgraded with the most up-to-date standards and security for the SCADA system. In addition, this project will provide the tools needed to identify risks and avoid threats that otherwise could cause damage to SCADA infrastructure and disrupt business operations. SCADA upgrade requirements are informed by an annual preventative security assessment and periodic security audits. Results of these audits and preventative security assessments are difficult to forecast. *Asset* SCADA System *Related Programs* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12872	SM:Obsolete Elec-Replace 2026	2026	$	65,960	*Issue/Concern* Electrical assets with finite life expectancy include: (i) electrical distribution (panels, wiring); (ii) lighting; (iii) Motor Control Centres (MCC's); (iv) Auxiliary Power Units (APU's) & Transfer Switches; (v) Variable Frequency Drives (VFD's); (vi) Phase inverters and Transformers. Many of these assets at the edge of their useful life and like-for-like replacements may not available. Replacement of failed components may require some re-engineering to provide the required functionality. Large electrical assets are replaced, through specific named projects, however small electrical asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete electrical assets, is the most practical way to address end of life issues and to ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a member of the electrical asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12881	SM:Obsolete Instr-Replace 2026	2026	$	65,960	*Issue/Concern* Instrumentation assets with finite life expectancy include: (i) PLC's; (ii) SCADA devices; (iii) Transmitters & switches; (iv) Actuators; (v) Industrial Data Centres (IDC's); (vi) Human Machine Interfaces (HMI's) & Video Displays. Many of these assets have a short life expectancy and experience planned obsolescence. Like-for-like replacements may not be available and replacement of failed components may require some re-engineering to provide the required functionality. Large instrumentation assets are replaced, through specific named projects, however small instrumentation asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete instrumentation assets, is the most practical way to address end of life issues and ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a memebr ot the control & communication asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742197	Dawn CCR PLC5 Replacement	2029	$	64,620	Issue/Concern/Opportunity:Existing PLC 5 is obsolete and no longer supported by the manufacturer Justification: These units have been obsolete for some time and spare parts can no longer be purchased Assets: Dawn CCR Building Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	736017	STO Moisture Analyzer Upgrade 2027	2027	$	64,579	Issue/Concern/Opportunity: Moisture analyzers are required to be sent back to vendor for repairs and updates . Cleanup and firmware upgrades take place periodically when moisture analysis becomes no longer reliable. 2 to 3 moisture analyzers are sent out annually. Assets are becoming obsolete as replacements for our current model of analyzers are available. Justification: Measuring moisture content accurately is crucial as is required by interconnect agreements and moisture content tariffs with customers. Assets: Tunable Diode Laser Moisture Analysers. Spectra Sensor SS2000 and SS3000 Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742807	Lobo Oil Mist Detectors Installation	2028	$	64,467	Issue/Concern/Opportunity: Technology has recently been developed to detect oil mist inside compressor plants. There have been instances in the past where tubing lines have broken resulting in oil mist spraying on hot surfaces, increasing the risk of fire. This investment is to install detectors in all plants. Justification: Oil mist from broken or leaking tubing fittings can result in increased risk of fire, personnel exposure and low oil levels in operating plants. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	9081	SM:SCADA-Annual Upgrade 2027	2027	$	63,188	*Issue/Concern* IT-related threats to Storage include: security breaches, data loss and SCADA system failures. Electronic control systems, which directly control of Gas Storage Assets, must be regularly upgraded with the most up-to-date standards and security for the SCADA system. In addition, this project will provide the tools needed to identify risks and avoid threats that otherwise could cause damage to SCADA infrastructure and disrupt business operations. SCADA upgrade requirements are informed by an annual preventative security assessment and periodic security audits. Results of these audits and preventative security assessments are difficult to forecast. *Asset* SCADA System *Related Programs* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12873	SM:Obsolete Elec-Replace 2027	2027	$	63,188	*Issue/Concern* Electrical assets with finite life expectancy include: (i) electrical distribution (panels, wiring); (ii) lighting; (iii) Motor Control Centres (MCC's); (iv) Auxiliary Power Units (APU's) & Transfer Switches; (v) Variable Frequency Drives (VFD's); (vi) Phase inverters and Transformers. Many of these assets at the edge of their useful life and like-for-like replacements may not available. Replacement of failed components may require some re-engineering to provide the required functionality. Large electrical assets are replaced, through specific named projects, however small electrical asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete electrical assets, is the most practical way to address end of life issues and to ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a member of the electrical asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - EGD	70 - Storage	Compression Stations	Pass	12882	SM:Obsolete Instr-Replace 2027	2027	$	63,188	*Issue/Concern* Instrumentation assets with finite life expectancy include: (i) PLC's; (ii) SCADA devices; (iii) Transmitters & switches; (iv) Actuators; (v) Industrial Data Centres (IDC's); (vi) Human Machine Interfaces (HMI's) & Video Displays. Many of these assets have a short life expectancy and experience planned obsolescence. Like-for-like replacements may not be available and replacement of failed components may require some re-engineering to provide the required functionality. Large instrumentation assets are replaced, through specific named projects, however small instrumentation asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete instrumentation assets, is the most practical way to address end of life issues and ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a memebr ot the control & communication asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742215	Dawn G ControlNet to Ethernet	2029	$	63,182	Critical communication between remote IO and other devices currently is curerntly done over ControlNet. Some of the Controlnet hardware is near the end of the product lifecycle for Rockwell and production will be discontinued in the near future. Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746041	Heritage GC Replacement	2025	$	63,135	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746029	Tecumseh 2 GC Replacement	2025	$	62,532	Obsolescence - The 500 series GC which have been a staple model for Emerson for 20+ years will now be obsolete by July 2026. Need to replace these with the 470XA model to ensure longest life and mitigate part shortages to reduce downtime.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742634	Tipperary PLC Processor & Firmware Upgrades	2026	$	62,362	Issue/Concern/Opportunity: PLC Processor firmware is curerntly outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a fimware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	736018	STO Moisture Analyzer Upgrade 2028	2028	$	62,185	Issue/Concern/Opportunity: Moisture analyzers are required to be sent back to vendor for repairs and updates . Cleanup and firmware upgrades take place periodically when moisture analysis becomes no longer reliable. 2 to 3 moisture analyzers are sent out annually. Assets are becoming obsolete as replacements for our current model of analyzers are available. Justification: Measuring moisture content accurately is crucial as is required by interconnect agreements and moisture content tariffs with customers. Assets: Tunable Diode Laser Moisture Analysers. Spectra Sensor SS2000 and SS3000 Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742413	Bickford Vibration Monitor Upgrade	2028	$	60,843	Issue/Concern/Opportunity: Replace obsolete Bently Nevada BN1701 vibration monitor with Rockwell Dynamix XM-1444 system. Upgrade 7200 series probes to 3300. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	736019	STO Moisture Analyzer Upgrade 2029	2029	$	60,260	Issue/Concern/Opportunity: Moisture analyzers are required to be sent back to vendor for repairs and updates . Cleanup and firmware upgrades take place periodically when moisture analysis becomes no longer reliable. 2 to 3 moisture analyzers are sent out annually. Assets are becoming obsolete as replacements for our current model of analyzers are available. Justification: Measuring moisture content accurately is crucial as is required by interconnect agreements and moisture content tariffs with customers. Assets: Tunable Diode Laser Moisture Analysers. Spectra Sensor SS2000 and SS3000 Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742224	Dawn Tecumseh 1 PLC5 Removal	2027	$	60,060	Issue/Concern/Opportunity: The PLC5 IO in the Dawn Tecumseh 1 control building is obsolete and should be replaced with Controllogix Hardware. Justification: PLC5 Hardware is no longer supported and spare parts are not available from the manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	9026	SM:FIMP Recommend'ns-Implement 2026	2026	$	59,964	*Issue/Concern* Facilities integrity is a new program that is being developed to mirror the pipeline integrity program at facilities such as compressor stations and gate stations. The facilities Integrity Management Program is intended to mitigate and manage threats acting on facilities, in order to reduce the probability of a loss of pressure containment acting at these facilities. This will reduce the risk of these facilities. The probability of a loss of pressure containment event is assessed by looking at the threat mechanisms that affect the piping and equipment at facilities. The threat mechanisms are still being established as part of facility integrity program development, but it is expected that they will be similar to the threat mechanisms that affect EGS pipelines. *Assets* Gas containing process and auxiliary pipe within a compressor or meter station. * Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	747252	Lobo - Crane Installation A Service Building	2025	$	59,221	Currently the manual crane being used is causing concern due to the proximity of the load to where the operator needs to stand. Having an electric crane with remote controls eliminates the operator from being anywhere near the suspended load.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742916	Enniskillen Lubrication System Upgrade	2025	$	59,127	Issue/Concern/Opportunity: Existing lubrication system is old and outdated. Upgrade system to ensure unit operates properly. Justification: Upgrading lubrication system will improve the integrity and reliability of the unit. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	9065	SM:SCADA-Annual Upgrade 2025	2025	$	59,094	*Issue/Concern* IT-related threats to Storage include: security breaches, data loss and SCADA system failures. Electronic control systems, which directly control of Gas Storage Assets, must be regularly upgraded with the most up-to-date standards and security for the SCADA system. In addition, this project will provide the tools needed to identify risks and avoid threats that otherwise could cause damage to SCADA infrastructure and disrupt business operations. SCADA upgrade requirements are informed by an annual preventative security assessment and periodic security audits. Results of these audits and preventative security assessments are difficult to forecast. *Asset* SCADA System *Related Programs* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	9082	SM:SCADA-Annual Upgrade 2028	2028	$	59,094	*Issue/Concern* IT-related threats to Storage include: security breaches, data loss and SCADA system failures. Electronic control systems, which directly control of Gas Storage Assets, must be regularly upgraded with the most up-to-date standards and security for the SCADA system. In addition, this project will provide the tools needed to identify risks and avoid threats that otherwise could cause damage to SCADA infrastructure and disrupt business operations. SCADA upgrade requirements are informed by an annual preventative security assessment and periodic security audits. Results of these audits and preventative security assessments are difficult to forecast. *Asset* SCADA System *Related Programs* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - EGD	70 - Storage	Compression Stations	Pass	17206	SM:Obsolete Instr-Replace 2028	2028	$	59,094	*Issue/Concern* Instrumentation assets with finite life expectancy include: (i) PLC's; (ii) SCADA devices; (iii) Transmitters & switches; (iv) Actuators; (v) Industrial Data Centres (IDC's); (vi) Human Machine Interfaces (HMI's) & Video Displays. Many of these assets have a short life expectancy and experience planned obsolescence. Like-for-like replacements may not be available and replacement of failed components may require some re-engineering to provide the required functionality. Large instrumentation assets are replaced, through specific named projects, however small instrumentation asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete instrumentation assets, is the most practical way to address end of life issues and ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a memebr ot the control & communication asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	17208	SM:Obsolete Elec-Replace 2028	2028	$	59,094	*Issue/Concern* Electrical assets with finite life expectancy include: (i) electrical distribution (panels, wiring); (ii) lighting; (iii) Motor Control Centres (MCC's); (iv) Auxiliary Power Units (APU's) & Transfer Switches; (v) Variable Frequency Drives (VFD's); (vi) Phase inverters and Transformers. Many of these assets at the edge of their useful life and like-for-like replacements may not available. Replacement of failed components may require some re-engineering to provide the required functionality. Large electrical assets are replaced, through specific named projects, however small electrical asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete electrical assets, is the most practical way to address end of life issues and to ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a member of the electrical asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	749185	Dawn Atmospheric Storage Tank Level Instrumentation 2025	2025	$	58,629	Issue/Concern/Opportunity: Some atmospheric storage/holding tanks do not have level indicators and alarms. Two incidents have occurred, at STO stations (Bluewater Mandaumin and Edys Mills), in the last two years, where work has been performed at the station and has resulted in spills onto the ground from these tanks. Justification: Without adequate indication and alarming, the workers were not aware of the tank level prior to and during the work and conditions occurred, as regular course of the work, that resulted in an overfill condition and environmental spill. Indication and alarming would significantly reduce the likelihood of incident Assets: Atmospheric liquids storage/holding tanks Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	9027	SM:FIMP Recommend'ns-Implement 2027	2027	$	57,444	*Issue/Concern* Facilities integrity is a new program that is being developed to mirror the pipeline integrity program at facilities such as compressor stations and gate stations. The facilities Integrity Management Program is intended to mitigate and manage threats acting on facilities, in order to reduce the probability of a loss of pressure containment acting at these facilities. This will reduce the risk of these facilities. The probability of a loss of pressure containment event is assessed by looking at the threat mechanisms that affect the piping and equipment at facilities. The threat mechanisms are still being established as part of facility integrity program development, but it is expected that they will be similar to the threat mechanisms that affect EGS pipelines. *Assets* Gas containing process and auxiliary pipe within a compressor or meter station. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	101865	SM:Obsolete Elec-Replace 2029	2029	$	57,265	*Issue/Concern* Electrical assets with finite life expectancy include: (i) electrical distribution (panels, wiring); (ii) lighting; (iii) Motor Control Centres (MCC's); (iv) Auxiliary Power Units (APU's) & Transfer Switches; (v) Variable Frequency Drives (VFD's); (vi) Phase inverters and Transformers. Many of these assets at the edge of their useful life and like-for-like replacements may not available. Replacement of failed components may require some re-engineering to provide the required functionality. Large electrical assets are replaced, through specific named projects, however small electrical asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete electrical assets, is the most practical way to address end of life issues and to ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a member of the electrical asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	101867	SM:Obsolete Instr-Replace 2029	2029	$	57,265	*Issue/Concern* Instrumentation assets with finite life expectancy include: (i) PLC's; (ii) SCADA devices; (iii) Transmitters & switches; (iv) Actuators; (v) Industrial Data Centres (IDC's); (vi) Human Machine Interfaces (HMI's) & Video Displays. Many of these assets have a short life expectancy and experience planned obsolescence. Like-for-like replacements may not be available and replacement of failed components may require some re-engineering to provide the required functionality. Large instrumentation assets are replaced, through specific named projects, however small instrumentation asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete instrumentation assets, is the most practical way to address end of life issues and ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a memebr ot the control & communication asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	734338	SM:SCADA-Annual Upgrade 2029	2029	$	57,265	*Issue/Concern* IT-related threats to Storage include: security breaches, data loss and SCADA system failures. Electronic control systems, which directly control of Gas Storage Assets, must be regularly upgraded with the most up-to-date standards and security for the SCADA system. In addition, this project will provide the tools needed to identify risks and avoid threats that otherwise could cause damage to SCADA infrastructure and disrupt business operations. SCADA upgrade requirements are informed by an annual preventative security assessment and periodic security audits. Results of these audits and preventative security assessments are difficult to forecast. *Asset* SCADA System *Related Programs* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	102356	Edys Mills Compressor Crankcase Rebuild	2026	$	56,692	Issue/Concern/Opportunity: Compressors are rotating equipment that is designed with inexpensive components intended to wear preferentially. This preferential wear then preserves the condition of large and expensive components. Overhauls are performed at regular intervals - in accordance with the OEM recommended preventative maintenance schedules - to replace wear items. Typically, an inspection is performed prior to performing an overhaul. Without regular replacement of wear items, reliability will diminish drastically. If wear items are not replaced to be within OEM tolerances, then subsequent damage to main compressor components will result - which is a much costlier outcome. Justification: OEM recommended hour based compressor crankcase rebuild Assets: Edys Mills Compressor Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742838	Dawn J Plant Air Dryer Replacement	2025	$	56,392	Issue/Concern/Opportunity: The current air compressor is old and obsolete. There have been components that have required repair/replacement but replacement parts are no longer available. The longer the old dryer runs, the more components that will fail, which in turn will make the dryer inoperable. The scope is to replace one of the dryers to a more modern one that meets current standards. Note that there are currently two dryers at J Plant but only one will be replaced. Current air compressor will remain. Justification: Replacing one of the air dryers at J Plant will improve the integrity and reliability of the air system. This air system runs throughout all of Dawn. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	746480	SSOM: FA-0001 Flame Arrestor Mods	2025	$	55,870	Issue/Concern/Opportunity: The existing flame arrestor (172-FA-0001) protecting the blowdown flare stack at Sombra Compressor Station is incorrectly installed in a horizontal position. This prevents proper drainage, allowing liquids to build up and carry over through to the flare stack. During winter months, this liquid can potentially freeze causing a process safety hazard and potential overpressure should the flare stack be utilized. Justification: Potential for plugging/obstruction in flare piping would create a process hazard. Potential overpressure and rupture/damage to piping and equipment. Assets: 172-FA-0001 172-FLS-0803 Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742338	Bickford Fire & Gas Replacement	2029	$	55,724	Issue/Concern/Opportunity: The Gas and UV monitors currently in use are at end of support from the manufacturer and replacements are difficult to obtain. Upgrade to current UV and Gas monitor standard equipment. Justification: Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742077	Dawn Aux 4 PLC Replacement	2026	$	54,057	Currently, the Dawn Aux 4 is being controlled by an Allen Bradley PLC 5. This series of PLCs has been obsolete for several years and replacement parts cannot be purchased any more. This PLC controls the entire plant and the plant cannot be operated with out it. Should a failure happen, the plant will remain unavailable until a usable spare part can be recovered from another plant and installed and configured, rendering the other plant unavailable for use	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	9028	SM:FIMP Recommend'ns-Implement 2028	2028	$	53,722	*Issue/Concern* Facilities integrity is a new program that is being developed to mirror the pipeline integrity program at facilities such as compressor stations and gate stations. The facilities Integrity Management Program is intended to mitigate and manage threats acting on facilities, in order to reduce the probability of a loss of pressure containment acting at these facilities. This will reduce the risk of these facilities. The probability of a loss of pressure containment event is assessed by looking at the threat mechanisms that affect the piping and equipment at facilities. The threat mechanisms are still being established as part of facility integrity program development, but it is expected that they will be similar to the threat mechanisms that affect EGS pipelines. *Assets* Gas containing process and auxiliary pipe within a compressor or meter station. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	747150	Aux H instrument air system condensate tank upgrade	2024	$	52,115	Issue/Concern/Opportunity: To add a 1000-gal to the 200-gal existing tank. The scope would be to add piers and footing beside the existing tank and install the new tank and connect the piping. Justification: Now, we empty the tank every 3 to 4 weeks. Considering we've been emptying the tank 12 times a year; by installing the new tank we can decrease this to max two times a year and we can save $130K over 20 years. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - EGD	70 - Storage	Compression Stations	Pass	734343	SM:FIMP Recommend'ns-Implement 2029	2029	$	52,059	*Issue/Concern* Facilities integrity is a new program that is being developed to mirror the pipeline integrity program at facilities such as compressor stations and gate stations. The facilities Integrity Management Program is intended to mitigate and manage threats acting on facilities, in order to reduce the probability of a loss of pressure containment acting at these facilities. This will reduce the risk of these facilities. The probability of a loss of pressure containment event is assessed by looking at the threat mechanisms that affect the piping and equipment at facilities. The threat mechanisms are still being established as part of facility integrity program development, but it is expected that they will be similar to the threat mechanisms that affect EGS pipelines. *Assets* Gas containing process and auxiliary pipe within a compressor or meter station. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101980	OSE #1 Compressor Crankcase Rebuild	2028	$	51,821	Issue/Concern/Opportunity: Compressors are rotating equipment that is designed with inexpensive components intended to wear preferentially. This preferential wear then preserves the condition of large and expensive components. Overhauls are performed at regular intervals - in accordance with the OEM recommended preventative maintenance schedules - to replace wear items. Typically, an inspection is performed prior to performing an overhaul. Without regular replacement of wear items, reliability will diminish drastically. If wear items are not replaced to be within OEM tolerances, then subsequent damage to main compressor components will result - which is a much costlier outcome. Justification: OEM recommended hour based compressor crankcase rebuild Assets: OSE #1 Compressor Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742212	Dawn E ControlNet to Ethernet	2030	$	50,217	Critical communication between remote IO and other devices currently is currently done over ControlNet. Some of the Controlnet hardware is near the end of the product lifecycle for Rockwell and production will be discontinued in the near future. Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are available for purchase from Rockwell.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742808	Bright Oil Mist Detector Installataion	2029	$	49,977	Issue/Concern/Opportunity: Technology has recently been developed to detect oil mist inside compressor plants. There have been instances in the past where tubing lines have broken resulting in oil mist spraying on hot surfaces, increasing the risk of fire. This investment is to install detectors in all plants. Justification: Oil mist from broken or leaking tubing fittings can result in increased risk of fire, personnel exposure and low oil levels in operating plants. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	748914	SSOM: Filter Containment Mods	2025	$	48,729	Issue/Concern/Opportunity: Existing concrete containment areas prevent spills when opening the vessel enclosures on 153-V-001 and 153-V-002 filter coalescers during maintenance. These areas are exposed to the elements and require regular pump out by Operations. During winter these can fill up and freeze with freeze/thaw cycles creating additional hazards. This issue was raised as a safety concern by Enbridge Operations via the Tecumseh safety committee. As company design philosophies have changed, these are no longer deemed required, as temporary. Enbridge Mechanics will transport and install temporary containment systems during maintenance activities, invalidating the need for the existing concrete containment areas. Justification: Safety concerns: Liquids freeze in colder weather creating a slipping hazard. Environmental concerns: High rainfall amounts can result in overflow of water. If the concrete containment has any residual contaminants present, the surrounding soil could become contaminated. Cost Concerns: A cost is associated with trucking out liquids from the containment area. During periods of frequent or heavy rain, or during freeze/thaw cycles, this would have to be done more frequently. Assets: 153-V-001 Filter Coalescer 153-V-002 Filter Coalescer Related Investments: Core and non-Core component. Similar modifications will be made at Wilkesport Meter Station under a separate investment but are planned as part of the same work effort for cost efficiency.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742346	Dow A Fire & Gas Replacement	2030	$	48,579	Issue/Concern/Opportunity: The Gas and UV monitors currently in use are at end of support from the manufacturer and replacements are difficult to obtain. Upgrade to current UV and Gas monitor standard equipment. Justification: A failure of the Fire/Gas detection panel or its associated detection system will shut down the compressor and not allow it to operate. An Fire/Gas detection panel failure could result in a compressor plant outage for a couple of weeks to complete a temporary repair. Depending on the time of year and system demands, this has the potential for significant losses. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746775	Dawn Dehy Still Tower Replacement	2025	$	48,275	Dehy still column has been inspected on a 7 year frequency historically. Each time during the last several inspections it has been deemed necessary to replace the still column due to condition. We have implemented a PM program to replace the column on a regular frequency based on these results to mitigate against a failure, The Dawn dehy is the single most critical piece of equipment at STO and the still column is a necessary part of the process flow.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101313	Parkway/Hagar Compressor Building Lighting 2025	2025	$	47,377	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742377	Airport ControlNet to Ethernet	2029	$	47,298	Critical communication between remote IO and other devices currently is currently done over ControlNet. Some of the Controlnet hardware is near the end of the product lifecycle for Rockwell and production will be discontinued in the near future. Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are available for purchase from Rockwell.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742438	Lobo A1 PLC Processor & Firmware Upgrades	2026	$	46,488	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742439	Lobo A2 PLC Processor & Firmware Upgrades	2026	$	46,488	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101245	Lobo/Bright Compressor Station Lighting 2026	2026	$	45,354	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101314	Parkway/Hagar Compressor Building Lighting 2026	2026	$	45,354	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742969	Dawn I IP7 BOV Duct Replacement	2026	$	45,354	Issue/Concern/Opportunity: The IP7 BOV ducts on the RB211s are obsolete. A new design has been issued and legacy parts are available while supplies last. We saw two failures of these ducts in 2023. Justification: The manufacturer has recommended upgrading the IP7 ducts to ensure replacements are available when necessary. Assets: Dawn I Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742970	Dawn H IP7 BOV Duct Replacement	2026	$	45,354	Issue/Concern/Opportunity: The IP7 BOV ducts on the RB211s are obsolete. A new design has been issued and legacy parts are available while supplies last. We saw two failures of these ducts in 2023. Justification: The manufacturer has recommended upgrading the IP7 ducts to ensure replacements are available when necessary. Assets: Dawn H Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Compression Stations	Pass	742971	Lobo C IP7 BOV Duct Replacement	2026	$	45,354	Issue/Concern/Opportunity: The IP7 BOV ducts on the RB211s are obsolete. A new design has been issued and legacy parts are available while supplies last. We saw two failures of these ducts in 2023. Justification: The manufacturer has recommended upgrading the IP7 ducts to ensure replacements are available when necessary. Assets: Lobo C Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742972	Lobo D IP7 BOV Duct Replacement	2026	$	45,354	Issue/Concern/Opportunity: The IP7 BOV ducts on the RB211s are obsolete. A new design has been issued and legacy parts are available while supplies last. We saw two failures of these ducts in 2023. Justification: The manufacturer has recommended upgrading the IP7 ducts to ensure replacements are available when necessary. Assets: Lobo D Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742973	Bright C IP7 BOV Duct Replacement	2026	$	45,354	Issue/Concern/Opportunity: The IP7 BOV ducts on the RB211s are obsolete. A new design has been issued and legacy parts are available while supplies last. We saw two failures of these ducts in 2023. Justification: The manufacturer has recommended upgrading the IP7 ducts to ensure replacements are available when necessary. Assets: Bright C Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742974	Parkway B IP7 BOV Duct Replacement	2026	$	45,354	Issue/Concern/Opportunity: The IP7 BOV ducts on the RB211s are obsolete. A new design has been issued and legacy parts are available while supplies last. We saw two failures of these ducts in 2023. Justification: The manufacturer has recommended upgrading the IP7 ducts to ensure replacements are available when necessary. Assets: Parkway B Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742975	Parkway C IP7 BOV Duct Replacement	2026	$	45,354	Issue/Concern/Opportunity: The IP7 BOV ducts on the RB211s are obsolete. A new design has been issued and legacy parts are available while supplies last. We saw two failures of these ducts in 2023. Justification: The manufacturer has recommended upgrading the IP7 ducts to ensure replacements are available when necessary. Assets: Parkway C Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742976	Parkway D IP7 BOV Duct Replacement	2026	$	45,354	Issue/Concern/Opportunity: The IP7 BOV ducts on the RB211s are obsolete. A new design has been issued and legacy parts are available while supplies last. We saw two failures of these ducts in 2023. Justification: The manufacturer has recommended upgrading the IP7 ducts to ensure replacements are available when necessary. Assets: Parkway D Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - EGD	70 - Storage	Compression Stations	Pass	748810	S_CHT-ESV-05 Methane Leak Repair	2025	$	45,144	Issue/Concern/Opportunity: ESV-05 – Valve has audible leakage from bonnet vent. Packing was injected to 5000 psig with no change to sound of leak. This may indicate some form of mechanical damage to the internal valve components. The buttonhead grease fitting was found to be leaking and the valve could not be lubricated. This valve requires an overhaul. 1ST EXT SUBMITTED – NEXT DEADLINE IS APR 15 2025	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742406	Dawn J Compressor Skid HMI Replacement	2028	$	45,051	Issue/Concern/Opportunity: Replace obsolete compressor skid HMI. Still using Windows XP display unit. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742409	Payne Compressor Skid HMI Replacement	2026	$	44,978	Issue/Concern/Opportunity: Replace obsolete compressor skid HMI. Still using Windows 7 display unit. Display is starting to fail already. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742405	Dawn J Vibration Monitor Upgrade	2028	$	44,679	Issue/Concern/Opportunity: Replace obsolete Bently Nevada BN1701 vibration monitor with Rockwell Dynamix XM-1444 system. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	746580	Dawn J plant Boiler Room Heating Deficiencies	2026	$	44,373	Issue/Concern/Opportunity: Dawn J Plant Boiler room has ventilation problem, and it gets too hot during the operation of boilers. Justification: High temperature in the boiler room, makes inspection and maintenance of equipment difficult Assets: Ventilation boiler Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742981	Dawn I Ampliflow Upgrades (Core)	2025	$	44,274	Issue/Concern/Opportunity: The Amplifiow systems ensures that clean, dry gas is supplied to the dry gas seals and ensures that adequate pressure is available during pressured hold and start up/shutdown. Amplifiows are standard on all new units. We have seen multiple failures of the pumps on our units and they need to be redesigned so that they last. When failures occur, there are periods where we do not have adequate seal gas flow. Justification: The Amplifiow systems ensures that clean, dry gas is supplied to the dry gas seals and ensures that adequate pressure is available during pressured hold and start up/shutdown Assets: Dawn I Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	501154	Parkway D GGLO scheduling valve & controller replace	2025	$	43,824	When the compressor plant was installed, the oil scheduling valve and controller we being made obsolete but the OEM. Siemens had no approved alternative, so the old valve and controller were installed. There have been several failures in recent years. The replacement valve and controller is not a direct replacement	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	102733	STO - UPS Battery Replacements 2025 - Dawn	2025	$	43,753	*Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Justification* As per manufacturer and industry standards our UPS system batteries should be replaced on a ten (10) year basis. Locations Vary - as failure cannot be forecasted *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101246	Lobo/Bright Compressor Station Lighting 2027	2027	$	43,053	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101315	Parkway/Hagar Compressor Building Lighting 2027	2027	$	43,053	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742226	Dawn E Hydraulic Fuel Valve Control Board Replacement	2028	$	42,255	Issue/Concern/Opportunity: The OEM has indicated that the control board for the Fuel valve is obsolete and no longer supported. Upgrade the Hydraulics Fuel Valve controller LVDT board with a Moog and Sentek board or other alternative suggested by Siemens. Justification: Siemens has been indicating that the LVDT boards should be replaced to ensure support and spare part availability. Assets: Dawn E Compressor Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101247	Lobo/Bright Compressor Station Lighting 2028	2028	$	41,456	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101316	Parkway/Hagar Compressor Building Lighting 2028	2028	$	41,456	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742133	Bright B Glycol Relief Tank Level Transmitters	2025	$	41,455	Issue/Concern/Opportunity: Some atmospheric storage/holding tanks do not have level indicators and alarms. An incident occured at Bright where a glycol containment tank overflowed. Justification: Without adequate indication and alarming on the tank levels an overfill condition and environmental spill could occur. Indication and alarming would significantly reduce the likelihood of incident Assets: Glycol Atmospheric liquids storage/holding tanks Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48281	Bright MCR PLC Upgrade	2026	$	40,696	The Bright MCR is currently controlled by an Allen Bradley PLC 5. This controller has been obsolete for several years and parts can no longer be purchased. If a component failed, it would have to be replaced with used part form another installation. The replacement part would be used and have similar hours on it as the one that failed.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101248	Lobo/Bright Compressor Station Lighting 2029	2029	$	40,173	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	101317	Parkway/Hagar Compressor Building Lighting 2029	2029	$	40,173	Current lighting inside compressor plants is OLD and extremely inefficient. Annual costs allocated to replacing bulbs, ballasts and fixtures.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742213	Dawn F ControlNet to Ethernet	2030	$	40,173	Critical communication between remote IO and other devices currently is currently done over ControlNet. Some of the Controlnet hardware is near the end of the product lifecycle for Rockwell and production will be discontinued in the near future. Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742623	Sandwich PLC Processor & Firmware Upgrades	2026	$	39,685	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	745555	Dehy Fuel Gas Filter Drain connection to drip tank	2026	$	39,576	Issue/Concern/Opportunity: The existing set up of Dehy fuel gas filter drain is such that it is not connected to the drip tank and drain has to be physically emptied by opening up a valve and draining it into the temporary container. Justification: The drain should be connected to the drip tank to avoid any spills. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742206	Dawn D ControlNet to Ethernet	2030	$	38,667	Critical communication between remote IO and other devices currently is curently done over ControlNet. Some of the Controlnet hardware is near the end of the product lifecycle for Rockwell and production will be discontinued in the near future. Therefore the ControlNet communication should all be replaced with Ethernet I/P. In some cases this will also involve upgrading the communication medium from Copper to Fiber. Conversion will ensure that spare parts are availible for purchase from Rockwell.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742463	Dawn E PLC Processor & Firmware Upgrade	2025	$	37,671	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742612	Airport PLC Processor & Firmware Upgrades	2026	$	37,410	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	747869	Dawn - Vector Valve 1215 - P2066 Actuator Adapter Plate Install	2025	$	36,895	Issue/Concern/Opportunity: Vector Valve 1215 is a frequently used valve that requires manual turning. This is a great time consuming process. Furthermore, there is an actuator from P2066 that is not connected anymore. Therefore, this actuator effectively remains unused. The goal here is to use the P2066 actuator on this Vector 1215 valve to solve this issue. However, to do so, an adapter plate must be installed between the valve and actuator. Justification: Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742462	Dawn D PLC Processor & Firmware Upgrade	2027	$	36,480	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742833	Enniskillen Fuel Gas Heat Trace	2027	$	36,164	Issue/Concern/Opportunity: Ice developing on the fuel gas line at Enniskillen. This could be either due to the pressure cut or excess moisture. Add heat trace to reduce icing on fuel gas piping. Justification: Adding heat trace will improve the integrity and reliability of the fuel gas system at the station. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742902	Parkway PT Oil Varnish Skid	2029	$	36,156	Issue/Concern/Opportunity: The power turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for power turbines and compressors. Assets: Parkway Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742904	Bright PT Oil Varnish Skid	2029	$	36,156	Issue/Concern/Opportunity: The power turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for power turbines and compressors. Assets: Bright Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742905	Lobo PT Oil Varnish Skid	2029	$	36,156	Issue/Concern/Opportunity: The power turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for power turbines and compressors. Assets: Lobo Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742906	Dawn PT Oil Varnish Skid	2029	$	36,156	Issue/Concern/Opportunity: The power turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for power turbines and compressors. Assets: Dawn Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12880	SM:Obsolete Instr-Replace 2025	2025	$	34,973	*Issue/Concern* Instrumentation assets with finite life expectancy include: (i) PLC's; (ii) SCADA devices; (iii) Transmitters & switches; (iv) Actuators; (v) Industrial Data Centres (IDC's); (vi) Human Machine Interfaces (HMI's) & Video Displays. Many of these assets have a short life expectancy and experience planned obsolescence. Like-for-like replacements may not be available and replacement of failed components may require some re-engineering to provide the required functionality. Large instrumentation assets are replaced, through specific named projects, however small instrumentation asset condition is often not assessed - instead assets are replaced at failure. A proactive replacement Blanket, for these small obsolete instrumentation assets, is the most practical way to address end of life issues and ensure the functionality and reliability of EGS systems (including those pertaining to safety and operation). *Asset* All assets identified as a memebr ot the control & communication asset sub-class. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742358	Edys Mills Panelview Replacement	2028	$	33,756	*Issue/Concern* The PanelView's are the on skid operator interface for the unit. The panel views provide operations./ mechanics and technicians the on skid control required to be able to interface with the units in Realtime and provide unique tools to assist in maintenance and trouble shooting of the units. The existing PanelView's at these stations have failed and have not been reliable over the course of their lifetime. We have had the OEM at site in attempts to repair but this has always been short lived. The PanelView's inevitably lockup or fail within a short period of time. The new equipment operates on a new windows 10 platform and is considered to be much more stable than the existing equipment. *Asset* Dow A Compressor *Related Program*	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742227	Dawn G Hydraulic Fuel Valve Control Board Replacement	2028	$	32,619	Issue/Concern/Opportunity: The OEM has indicated that the control board for the Fuel valve is obsolete and no longer supported. Upgrade the Hydraulics Fuel Valve controller LVDT board with a Moog and Sentek board or other alternative suggested by Siemens. Justification: Siemens has been indicating that the LVDT boards should be replaced to ensure support and spare part availability. Assets: Dawn G Compressor Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742209	Dawn D Foam System Level Switch Replacements	2029	$	31,921	Issue/Concern/Opportunity: The water and foam level switches on the foam system are unreliable and difficult to setup. On other units these switches have been replaced with level transmitters with good success. Justification: Replacing the level switches with level transmitters would rectify the issues with setting up and testing the existing level switches. Assets: Dawn D Foam Skid Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742461	Dawn C PLC Processor & Firmware Upgrade	2026	$	31,748	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742341	Dow A Panelview Replacement	2029	$	31,699	*Issue/Concern* The PanelView's are the on skid operator interface for the unit. The panel views provide operations./ mechanics and technicians the on skid control required to be able to interface with the units in Realtime and provide unique tools to assist in maintenance and trouble shooting of the units. The existing PanelView's at these stations have failed and have not been reliable over the course of their lifetime. We have had the OEM at site in attempts to repair but this has always been short lived. The PanelView's inevitably lockup or fail within a short period of time. The new equipment operates on a new windows 10 platform and is considered to be much more stable than the existing equipment. *Asset* Dow A Compressor *Related Program*	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742208	Dawn E Lube Oil Control Valve Board	2028	$	31,691	Issue/Concern/Opportunity: The Entronics control board which interfaces the PLC to the GG Lube Oil control valve is obsolete and no longer supported by Siemens. Justification: Upgrading to the current Siemens standard (MOOG) control board would ensure availability of spare parts and support from the OEM. Assets: Dawn E Lube Oil Skid Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742108	Bright Plant A Boiler Room Gas Monitor	2025	$	31,429	Gas Detection in the Bright Plant A Boiler Room consists of a plug in type (120 VAC) residential combustible gas/CO Monitor. The Fuel gas for the Boiler is un-odourized and requires gas detection per Z662. The plug in type gas monitor is not consistent with other boiler rooms and does not provide a signal to the local DCS.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	10030	SCHT:UPS-replace	2026	$	31,181	*Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Power failures and lightning strikes are common in the Storage area. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. UPS equipment has a finite life expectancy of about 3 to 5 years. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742465	Dawn G PLC Processor & Firmware Upgrade	2028	$	30,557	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	749448	Lobo Fire Pump #2 Turbo Replacement	2025	$	29,780	Lobo Fire Pump turbocharger has been identified as worn and no longer fit for service. Unit requires replacement. Discrete investment within program 734217	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743163	Parkway-B-AMP-Asset life cycle- Pump - Glycol	2027	$	29,061	Issue/Concern: Parkway-B-AMP-Asset life cycle- Pump - Glycol--life cycle replacement :20-year of install :2003-expected date of replacement:2023	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743164	Parkway-B-AMP-Asset life cycle- Pump - Glycol#2	2027	$	29,061	Issue/Concern: Parkway-B-AMP-Asset life cycle- Pump - Glycol--life cycle replacement :20-year of install :2003-expected date of replacement:2023	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743207	Lobo-B-AMP-asset life- Pump - Glycol-10 hp	2027	$	29,061	Issue/Concern: Lobo-B-AMP-asset life- Pump - Glycol-10 hp, 21ST-life cycle replacement :20-year of install :1990-expected date of replacement:2010	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743208	Lobo-B-AMP-asset life- Pump - Glycol-10 hp,#2	2027	$	29,061	Issue/Concern: Lobo-B-AMP-asset life- Pump - Glycol-10 hp, 21ST-life cycle replacement :20-year of install :1990-expected date of replacement:2010	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742205	Dawn Dehy Fire and Gas Monitor Replacement	2032	$	28,824	The Gas and UV monitors currently in use in the Dawn Dehy are at end of support from the manufacturer and replacements are difficult to obtain. Upgrade to current Fire and Gas monitor standard equipment.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742151	Lobo B Compressor Bearing RTDs	2026	$	28,346	Issue/Concern/Opportunity: Lobo B Compressor has bearing Pad RTD's installed, but not wired to the PLC. Justification: Bearing pad RTD's will give a quicker more accurate indication of bearing failure than the current return line temperature sensor. This could result in less damage on bearing failure as the unit would be shutdown faster. Assets: Compressor Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743209	Lobo-B-AMP-asset life- Pump - Glycol-3/4 hp (2)	2028	$	27,983	Issue/Concern: Lobo-B-AMP-asset life- Pump - Glycol-3/4 hp -life cycle replacement :20-year of install :1990-expected date of replacement:2010	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	747248	Bright B Boiler	2025	$	27,658	Issue/Concern/Opportunity: replace a rupture disc that has blown twice now since they installed the boilers causing an environmental spill of glycol Justification: rupture disc will be replaced with a spool piece, and a new safety relief valve will be installed. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48221	Sombra/St. Clair Station PLC Upgrade	2025	$	27,154	Currently Sombra St Clair is being controlled by an Allen Bradley PLC5. These units have been obsolete, for some time and spare parts can no longer be purchased. Therefore the PLC should be replaced with an Allen Bradley ControlLogix PLC, which is the standard on all of our new stations. Spare parts are available and easily accessible	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742408	Payne Vibration Monitor Upgrade	2030	$	26,668	Issue/Concern/Opportunity: Replace obsolete Bently Nevada BN1701 vibration monitor with Rockwell Dynamix XM-1444 system. Justification: Spare part availability is questionable as product is discontinued by manufacturer. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742129	Bright MCR Gas and UV Monitor Replacement	2028	$	25,910	The Gas and UV monitors currently in use in the Bright MCR are near end of support from the manufacturer and replacements will soon not be available. Upgrade to current UV and Gas monitor standard equipment. CO detection is a plug in type (120 VAC) residential CO Monitor. The plug in type gas monitor is not consistent with other boiler rooms and does not provide a signal to the local DCS. Replace the plug in type CO detector with current standard connected to the PLC for remote alarming.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742611	Dawn J PLC Processor & Firmware Upgrades	2027	$	25,593	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742150	Lobo B Glycol Relief Tank Level Transmitter	2025	$	25,143	Issue/Concern/Opportunity: Some atmospheric storage/holding tanks do not have level indicators and alarms. An incident occured at Bright where a glycol containment tank overflowed. Justification: Without adequate indication and alarming on the tank levels an overfill condition and environmental spill could occur. Indication and alarming would significantly reduce the likelihood of incident Assets: Glycol Atmospheric liquids storage/holding tanks Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742879	Dawn E Oil Varnish Filtration Skid	2026	$	24,945	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Dawn E Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742881	Dawn H Oil Varnish Filter	2026	$	24,945	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Dawn H Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742883	Dawn I Oil Varnish Filter	2026	$	24,945	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Dawn I Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742207	Dawn D Lube Oil Control Valve Board	2028	$	24,402	Issue/Concern/Opportunity: The Entronics control board which interfaces the PLC to the GG Lube Oil control valve is obsolete and no longer supported by Siemens. Justification: Upgrading to the current Siemens standard (MOOG) control board would ensure availability of spare parts and support from the OEM. Assets: Dawn D Lube Oil Skid Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742880	Dawn G Oil Varnish Filter	2027	$	24,312	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Dawn G Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742435	Bright C PLC Processor & Firmware Upgrades	2026	$	23,811	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742441	Lobo C PLC Processor & Firmware Upgrades	2026	$	23,811	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.	

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742442	Lobo D PLC Processor & Firmware Upgrades	2026	$	23,811	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742460	Dawn Aux Buildings PLC Processor & Firmware Upgrade	2026	$	23,811	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742887	Lobo A1 Oil Varnish Filter	2027	$	23,679	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Lobo A1 Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742888	Lobo A2 Oil Varnish Filter	2027	$	23,679	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Lobo A2 Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	748805	S_CH-T-ESV-08 Overhaul	2026	$	23,500	Issue/Concern/Opportunity: ESV-08 – Packing injector was found to be leaking. Valve was isolated and drained and the injector fitting replaced. GP-6 packing was injected to 5000 psig and held. Bonnet lubricated. Leaking hydraulic oil from the actuator was observed and this valve requires an overhaul.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	747684	47-49 Spool Piece for 12" Valve Replacement	2026	$	23,496	Issue/Concern/Opportunity: There is a leaking 12" valve at 47-49 . This valve is also no longer required from an operational perspective. The overall goal is to remove the valve and replace it with a spool piece. Justification: Leak mitigation efforts. Assets: 12" Valve at 47-49 Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	749542	Dawn Dehy Glycol Transfer Pump Replacement	2025	$	23,245	Issue/Concern/Opportunity: The dehy glycol transsfer pump was installed in 1985 and has been rebuilt several time over the years. Some parts are still available but others are no longer serviceable and available. The pumps have an integral motor (the pump bearings are on the motor, so the pump housing and motor should be replaced at the same time. Justification: Pump is required for the ongoing operation of the dehy. Work to be performed in 2025 in concert with gycol replacement project. Assets: Dawn Dehy Related Investments: Program 734207	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742884	Dawn F1 Oil Varnish Filter	2027	$	23,240	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Dawn F1 Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742885	Dawn F2 Oil Varnish Filter	2027	$	23,240	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Dawn F2 Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742886	Dawn J Oil Varnish Filter	2025	$	22,889	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Dawn J Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742889	Lobo B Oil Varnish Filter	2028	$	22,801	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Lobo B Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742890	Lobo C Oil Varnish Filter	2028	$	22,801	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Lobo C Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742891	Lobo D Oil Varnish Filter	2028	$	22,801	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Lobo D Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742893	Bright A1 Oil Varnish Filter	2028	$	22,801	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Bright A1 Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742894	Bright A2 Oil Varnish Filter	2028	$	22,801	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Bright A2 Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742895	Bright B Oil Varnish Filter	2028	$	22,801	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Bright B Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742896	Bright C Oil Varnish Filter	2028	$	22,801	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Bright C Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742179	Parkway A Glycol Relief Tank Level Transmitter	2026	$	22,677	Issue/Concern/Opportunity: Some atmospheric storage/holding tanks do not have level indicators and alarms. An incident occured at Bright where a glycol containment tank overflowed. Justification: Without adequate indication and alarming on the tank levels an overfill condition and environmental spill could occur. Indication and alarming would significantly reduce the likelihood of incident Assets: Glycol Atmospheric liquids storage/holding tanks Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742453	Parkway West Plant C PLC Processor & Firmware Upgrade	2026	$	22,603	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742454	Parkway West Plant D PLC Processor & Firmware Upgrades	2026	$	22,603	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	503219	Lobo B Power Gas Dryer Upgrade	2023	$	22,488	Issue/Concern/Opportunity: Methane Emissions. The older style of power gas dryer is required to ensure safe and reliable operation of yard valves. The current dryer regenerates bi-monthly. During this regeneration period, there is a large amount of methane vented to atmosphere. This venting occurs at a location close to common station access and the Plant B intake air. Justification: Methane emissions reduction are a priority for Enbridge and reducing our carbon footprint at our storage and transmission stations is measured and tracked every three months. Assets: Lobo B power gas dryer in the M&R building	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742897	Parkway A Oil Varnish Filter	2029	$	22,095	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Parkway A Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742899	Parkway B Oil Varnish Filter	2029	$	22,095	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Parkway B Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742900	Parkway C Oil Varnish Filter	2029	$	22,095	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Parkway C Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742901	Parkway D Oil Varnish Filter	2029	$	22,095	Issue/Concern/Opportunity: The gas turbines generate oil varnish due to our operation and is seen in oil samples. This oil varnish can cause sticking in fine hydraulic components such as fuel valves and VIGV rams which can lead to engine failures. Also bearings and internal surfaces can become covered, reducing their effectiveness and causing premature failures. Justification: High varnish levels in oil can cause premature failures and operating issues for gas turbines. Assets: Parkway D Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742466	Dawn H PLC Processor & Firmware Upgrades	2028	$	21,765	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48283	Bluewater, Mandaumin, Airport Station PLC Upgrade-Core	2025	$	21,316	Currentlly Bluewater, Mandaumin, Airport stations is being controlled by an Allen Bradley PLC5. These units have been obsolete, for some time and spare parts can no longer be purchased. Therefore the PLC should be replaced with an Allen Bradley ControLogix PLC, which is the standard on all of our new stations. Spare parts are available and easily accessible	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742991	Dawn Aux 3 Fuel Gas Regulator Replacements	2028	$	21,246	Issue/Concern/Opportunity: Two fuel gas regulators are deteriorating and approaching end of life. Scope would be to replace with two new regs that meet current standards. Justification: Replacement of the two regs would improve the reliability and integrity of the fuel gas system. Regs controls the pressure of fuel gas going to the different units. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742992	Dawn Aux 4 Fuel Gas Regulator Replacements	2028	$	21,246	Issue/Concern/Opportunity: Two fuel gas regulators are deteriorating and approaching end of life. Scope would be to replace with two new regs that meet current standards. Justification: Replacement of the two regs would improve the reliability and integrity of the fuel gas system. Regs controls the pressure of fuel gas going to the different units. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	748905	STO - UPS Battery Replacements 2025 - Bright	2025	$	20,932	DISCRETE INVESTMENT WITHIN PROGRAM 102733 *Issue/Concern* Un-interruptible Power Supplies (UPS) are a critical component in plant and meter station facilities. This unit must be operational in the event of a power failure to allow smooth transition to generator power. Consequence of a power failure, without a UPS, is uncontrolled shutdown of compression equipment; possible damage to compressor equipment and yard piping; and control system performance issues once power is restored. Failure of the UPS would make a compressor or meter station incapable of being controlled remotely and could shutdown an entire station until repairs are made. PLC's and RTU's are primary means of controlling Storage equipment and these devices need a UPS to maintain system SCADA and control during a power failure. *Justification* As per manufacturer and industry standards our UPS system batteries should be replaced on a ten (10) year basis. Locations Vary - as failure cannot be forecasted *Asset* Compressor stations and meter station. *Related Program* Not applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12999	SCOR:530 FIT186-Upgrade	2025	$	20,504	*Issue/Concern* Transmitter head on coreolis meter FIT186 is becoming obsolete. This coreolis meter measures gas that is being recovered through the compressor cylinder gas recovery system. Ensuring an accurate measurement of recovered gas is needed to conduct current GHG reporting and also support upcoming methane reduction regulations. *Asset* FIT-186 *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742620	Payne PLC Processor & Firmware Upgrades	2027	$	20,023	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	748887	High Performance Coating - ENSS Aftercoolers	2025	$	19,923	DISCRETE INVESTMENT CREATED WITHIN APPROVED PROGRAM 101925 Issue/Concern: High Performance Coating (HPC) is required on above-grade piping to reduce the chance of external corrosion. HPC has an expected life of approximately 15 years while standard coatings only typically last 5-8 years. HPC was recently mandated as the coating system to be used going forward, however, the majority of the sites only have standard coating, which is at end of life. STO has approximately 45 remote sites, 4 Compressor facilities and 1 LNG facility (Hagar).	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742214	Dawn F Glycol Relief Tank Level Transmitter	2026	$	19,188	Issue/Concern/Opportunity: Some atmospheric storage/holding tanks do not have level indicators and alarms. An incident occured at Bright where a glycol containment tank overflowed. Justification: Without adequate indication and alarming on the tank levels an overfill condition and environmental spill could occur. Indication and alarming would significantly reduce the likelihood of incident Assets: Glycol Atmospheric liquids storage/holding tanks Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742868	Dawn D Level Indicator Install	2026	$	19,049	Issue/Concern/Opportunity: There is no way of determining the level of a tank in the basement of Dawn D unless Ops goes to the tank itself. A wireless transmitter is to be installed so that level indication can be determined without having to go to the plant. Justification: Adding wireless level transmitter will improve efficiency within Operations. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12984	SCOR:622xx Unit Vlv-Heat Trace	2024	$	18,772	*Issue/Concern* Unit valves periodically freeze-off. Freeze-offs are normally caused by water/moisture freezing in the valve body, increasing the break away torque of the valve beyond the capacity of the valve actuator. Freeze-offs normally occur on the suction side of a compressor unit. Unit suction valves are fail-closed valves that provide critical process safety functionality during an ESD. If a valve fails to close during an ESD, personnel and assets are put in a situation of additional potential harm or damage. *Asset* Assets directly affected are uit valves. Assets indirectly affected are compressor units and associated piping/structures. *Related Programs* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742440	Lobo B PLC Processor & Firmware Upgrades	2026	$	18,142	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742216	Dawn G Glycol Relief Tank Level Transmitter	2026	$	17,549	Issue/Concern/Opportunity: Some atmospheric storage/holding tanks do not have level indicators and alarms. An incident occured at Bright where a glycol containment tank overflowed. Justification: Without adequate indication and alarming on the tank levels an overfill condition and environmental spill could occur. Indication and alarming would significantly reduce the likelihood of incident Assets: Glycol Atmospheric liquids storage/holding tanks Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742211	Dawn Plant D Glycol Relief Tank Level Transmitter	2026	$	17,461	Issue/Concern/Opportunity: Some atmospheric storage/holding tanks do not have level indicators and alarms. An incident occured at Bright where a glycol containment tank overflowed. Justification: Without adequate indication and alarming on the tank levels an overfill condition and environmental spill could occur. Indication and alarming would significantly reduce the likelihood of incident Assets: Glycol Atmospheric liquids storage/holding tanks Related Investments: N/A	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742418	Bright MCR PLC Processor & Firmware Upgrades	2026	$	17,008	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742436	Bright Aux Buildings PLC Processor & Firmware Upgrades	2026	$	17,008	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742443	Lobo Aux Buildings PLC Processor & Firmware Upgrades	2026	$	17,008	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742630	Dawn North Admin PLC Processor & Firmware Upgades	2026	$	17,008	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742638	Dawn Tecumseh 2 PLC Processor & Firmware Upgrades	2028	$	17,008	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742644	Hagar Solar Surge PLC Processor & Firmware Upgrades	2026	$	17,008	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742966	Dawn G L1 Oil Pressure Transmitter	2026	$	16,842	Issue/Concern/Opportunity: The RB211s have trouble starting in cold weather due to cold oil in the tubing lines between the oil skid and the engine. This results in numerous failed starts when units are needed due to a high L6-L7 pressure reading. The addition of a pressure transmitter on the engine skid gives a more accurate L6-L7 reading, eliminating the failed starts. Justification: Adding this pressure transmitter will reduce failed starts during critical operating times. Assets: Dawn G Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742965	Dawn E L1 Oil Pressure Transmitter	2025	$	16,582	Issue/Concern/Opportunity: The RB211s have trouble starting in cold weather due to cold oil in the tubing lines between the oil skid and the engine. This results in numerous failed starts when units are needed due to a high L6-L7 pressure reading. The addition of a pressure transmitter on the engine skid gives a more accurate L6-L7 reading, eliminating the failed starts. Justification: Adding this pressure transmitter will reduce failed starts during critical operating times. Assets: Dawn E Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742448	Parkway East MCR PLC Processor & Firmware Upgrade	2026	$	16,145	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742449	Parkway East Measurement PLC Processor & Firmware Upgrades	2026	$	16,145	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742625	Wabano PLC Processor & Firmware Upgrades	2027	$	16,145	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742967	Lobo B L1 Oil Pressure Transmitter	2026	$	15,874	Issue/Concern/Opportunity: The RB211s have trouble starting in cold weather due to cold oil in the tubing lines between the oil skid and the engine. This results in numerous failed starts when units are needed due to a high L6-L7 pressure reading. The addition of a pressure transmitter on the engine skid gives a more accurate L6-L7 reading, eliminating the failed starts. Justification: Adding this pressure transmitter will reduce failed starts during critical operating times. Assets: Lobo B Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742968	Bright B L1 Oil Pressure Transmitter	2026	$	15,874	Issue/Concern/Opportunity: The RB211s have trouble starting in cold weather due to cold oil in the tubing lines between the oil skid and the engine. This results in numerous failed starts when units are needed due to a high L6-L7 pressure reading. The addition of a pressure transmitter on the engine skid gives a more accurate L6-L7 reading, eliminating the failed starts. Justification: Adding this pressure transmitter will reduce failed starts during critical operating times. Assets: Bright B Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12995	SCOR:352 Gas Detectrs-Replace 2026	2026	$	15,830	*Issue/Concern* Gas Detection is a primary defense against gas ignition in the event of a leak or loss of containment. Gas detection is required by CSA Z662 (Clause 4.14.1.3) to control ventilation in a compressor building, upon detection of high gas levels. Gas detectors are placed above every compressor unit. Existing Gas Detectors are becoming obsolete. Parts for existing gas detectors are scarce and becoming more expensive. *Asset* Buildings requiring Class 1, Zone 2, Group D electrical classification. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	749713	Sombra Station MCC Air Conditioner Replacement (Core)	2025	$	15,678	Replacement - The Sombra MCC air conditioning unit is no longer working and cannot be repaired. This will replace the non-working air-conditioning unit with a new unit, fully installed by vendor/Contractor	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	102611	Payne Compressor Stn Service Upgrade	2025	$	15,664	Issue/Concern/Opportunity: Hydro outages at the station frequently result in the one of the phases dropping. When power returns, all of the electrical devices will be re-energized except for the 600V items which include the compressor engine oil pump. Attempting to start the compressor in this scenario results in an start abort due to low lube oil pressure. Technician assistance is generally requested to troubleshoot the start abort which leads back to resetting of the breaker. Justification: Upgrading the service to 600V and replacing the transformer will alleviate this nuisance trip issue. Assets: Payne Compressor station electrical infrastructure Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	12996	SCOR:352 Gas Detectrs-Replace 2027	2027	$	15,165	*Issue/Concern* Gas Detection is a primary defense against gas ignition in the event of a leak or loss of containment. Gas detection is required by CSA Z662 (Clause 4.14.1.3) to control ventilation in a compressor building, upon detection of high gas levels. Gas detectors are placed above every compressor unit. Existing Gas Detectors are becoming obsolete. Parts for existing gas detectors are scarce and becoming more expensive. *Asset* Buildings requiring Class 1, Zone 2, Group D electrical classification. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48217	Tecumseh 2 PLC Upgrade	2025	$	14,687	The Dawn Tecumseh 2 transfer site is currently being controlled by an Allen Bradley PLC 5. This series of PLCs has been obsolete for several years and replacement parts cannot be purchased any more. This PLC controls the entire plant and the plant cannot be operated with out it. Should a failure happen, the plant will remain unavailable until a usable spare part can be recovered from another plant and installed and configured, rendering the other plant unavailable for use	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742917	EDYS Lubrication System Upgrade	2025	$	14,589	Issue/Concern/Opportunity: Existing lubrication system is old and outdated. Upgrade system to ensure unit operates properly. Justification: Upgrading lubrication system will improve the integrity and reliability of the unit. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743015	Tipperary Boiler Replacement	2029	$	14,462	Issue/Concern/Opportunity: Current boiler is old and reached end of life. Boiler to be replaced to current standards. Justification: Proper boiler operation is required to ensure gas is heated to specific temperature range. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742774	Dawn D Oil Mist Detector Installation	2026	$	14,391	Issue/Concern/Opportunity: Technology has recently been developed to detect oil mist inside compressor plants. There have been instances in the past where tubing lines have broken resulting in oil mist spraying on hot surfaces, increasing the risk of fire. Justification: Oil mist from broken or leaking tubing fittings can result in increased risk of fire, personnel exposure and low oil levels in operating plants. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742781	Dawn I Oil Mist Detector Installation	2026	$	14,391	Issue/Concern/Opportunity: Technology has recently been developed to detect oil mist inside compressor plants. There have been instances in the past where tubing lines have broken resulting in oil mist spraying on hot surfaces, increasing the risk of fire. Justification: Oil mist from broken or leaking tubing fittings can result in increased risk of fire, personnel exposure and low oil levels in operating plants. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742802	Dawn H Oil Mist Detector	2026	$	14,391	Issue/Concern/Opportunity: Technology has recently been developed to detect oil mist inside compressor plants. There have been instances in the past where tubing lines have broken resulting in oil mist spraying on hot surfaces, increasing the risk of fire. Justification: Oil mist from broken or leaking tubing fittings can result in increased risk of fire, personnel exposure and low oil levels in operating plants. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	17205	SCOR:352 Gas Detectrs-Replace 2028	2028	$	14,183	*Issue/Concern* Gas Detection is a primary defense against gas ignition in the event of a leak or loss of containment. Gas detection is required by CSA Z662 (Clause 4.14.1.3) to control ventilation in a compressor building, upon detection of high gas levels. Gas detectors are placed above every compressor unit. Existing Gas Detectors are becoming obsolete. Parts for existing gas detectors are scarce and becoming more expensive. *Asset* Buildings requiring Class 1, Zone 2, Group D electrical classification. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - EGD	70 - Storage	Compression Stations	Pass	101606	SCOR:352 Gas Detectrs-Replace 2029	2029	$	13,744	*Issue/Concern* Gas Detection is a primary defense against gas ignition in the event of a leak or loss of containment. Gas detection is required by CSA Z662 (Clause 4.14.1.3) to control ventilation in a compressor building, upon detection of high gas levels. Gas detectors are placed above every compressor unit. Existing Gas Detectors are becoming obsolete. Parts for existing gas detectors are scarce and becoming more expensive. *Asset* Buildings requiring Class 1, Zone 2, Group D electrical classification. *Related Program* Not Applicable	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742624	Dawn South Yard PLC Processor & Firmware Upgrades	2029	$	13,652	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743257	Sandwich Oil Mist Detector Installation	2025	$	13,606	Issue/Concern/Opportunity: Technology has recently been developed to detect oil mist inside compressor plants. There have been instances in the past where tubing lines have broken resulting in oil mist spraying on hot surfaces, increasing the risk of fire. Justification: Oil mist from broken or leaking tubing fittings can result in increased risk of fire, personnel exposure and low oil levels in operating plants. Assets: Sandwich Compressor Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742464	Dawn F PLC Processor & Firmware Upgrade	2029	$	12,916	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742804	Dawn F Oil Mist Detector Installation	2027	$	12,916	Issue/Concern/Opportunity: Technology has recently been developed to detect oil mist inside compressor plants. There have been instances in the past where tubing lines have broken resulting in oil mist spraying on hot surfaces, increasing the risk of fire. Justification: Oil mist from broken or leaking tubing fittings can result in increased risk of fire, personnel exposure and low oil levels in operating plants. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742806	Dawn J Oil Mist Detector Installation	2027	$	12,916	Issue/Concern/Opportunity: Technology has recently been developed to detect oil mist inside compressor plants. There have been instances in the past where tubing lines have broken resulting in oil mist spraying on hot surfaces, increasing the risk of fire. Justification: Oil mist from broken or leaking tubing fittings can result in increased risk of fire, personnel exposure and low oil levels in operating plants. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742964	Dawn D L1 Oil Pressure Transmitter	2025	$	12,768	Issue/Concern/Opportunity: The RB211s have trouble starting in cold weather due to cold oil in the tubing lines between the oil skid and the engine. This results in numerous failed starts when units are needed due to a high L6-L7 pressure reading. The addition of a pressure transmitter on the engine skid gives a more accurate L6-L7 reading, eliminating the failed starts. Justification: Adding this pressure transmitter will reduce failed starts during critical operating times. Assets: Dawn D Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	743225	Bright-AMP-Reconfigure Unit B Dawson GG LO skid	2025	$	12,572	Issue/Concern/Opportunity: The Bright B Lube Oil Skid underwent and upgrade to remove legacy equipment. After the upgrade the system was found to run at elevated tank temperatures to the point of running in an alarm condition or shutting down on hot weather days. The Bright B Plant has an operational window in the summer months that has not been utilized since the over-temperature issues arose. Justification: The Bright B Plant engine, if available in the summer months, contributes to the effectiveness, reliability and maintenance outages at other plants in the station. Assets: Bright B Lube Oil Skid Console Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742636	Bickford PLC Processor & Firmware Upgrades	2027	$	12,331	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	48279	Dawn Aux 3 Siemens MCC replacement	2025	$	9,680	In 2001, the manufacturer informed us that they would be making this line of equipment obsolete in the next 1 ½ years in favour of a new style. Parts availability will be affected.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742776	Dawn E Oil Mist Detector	2025	$	8,855	Issue/Concern/Opportunity: Technology has recently been developed to detect oil mist inside compressor plants. There have been instances in the past where tubing lines have broken resulting in oil mist spraying on hot surfaces, increasing the risk of fire. Justification: Oil mist from broken or leaking tubing fittings can result in increased risk of fire, personnel exposure and low oil levels in operating plants. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742779	Dawn G Oil Mist Detector Installation	2026	$	8,661	Issue/Concern/Opportunity: Technology has recently been developed to detect oil mist inside compressor plants. There have been instances in the past where tubing lines have broken resulting in oil mist spraying on hot surfaces, increasing the risk of fire. Justification: Oil mist from broken or leaking tubing fittings can result in increased risk of fire, personnel exposure and low oil levels in operating plants. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742434	Bright B PLC Processor & Firmware Upgrades	2026	$	6,803	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742627	Dawn Dehy PLC Processor & Firmware Upgrades	2029	$	6,619	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742458	Parkway West Aux Building PLC Processor & Firmware Upgrade	2026	$	5,382	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742223	Dawn TCPL Surge Protector	2026	$	3,553	We have had several lightning strikes which has damaged sensitive electronic equipment. Installation of a surge protector at various sites will reduce the damage, downtime and repairs.	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742457	Parkway West Measurement PLC Processor & Firmware Upgrades	2026	$	3,229	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742628	Edys Mills PLC Processor & Firmware Upgrades	2026	$	2,006	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742617	Dow A Pool PLC Processor & Firmware Upgrades	2026	$	1,643	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742437	Lobo MCR PLC Processor & Firmware Upgrades	2026	$	1,134	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass	742450	Parkway East Plant A PLC Processor & Firmware Upgrades	2026	$	1,076	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.

STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass		742452	Parkway West MCR PLC Processor & Firmware Upgrade	2026	$	1,076	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass		742629	Dawn NO Header PLC Processor & Firmware Upgrades	2029	$	904	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass		742631	Oil Springs East PLC Processor & Firmware Upgrades	2027	$	793	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass		742626	167 PLC Processor & Firmware Upgrades	2027	$	746	Issue/Concern/Opportunity: PLC Processor firmware is currently outdated and requires updating to current manufacturer recommended version to enable latest security features and patches. Some processors are too old to accept the new firmware and will need to be upgraded at the same time. Other processors can support the firmware and do not require hardware updates, just a firmware download. In the case of OEM supplied equipment, the OEM will need to approve and provide the updated version. Justification: Audit by TIS suggested that upgrades be made to firmware. As Microsoft windows is upgraded to newer versions, support for older firmware revisions is lost. We have run into issues where we could not run the required software on our computers to communicate with controllers with out of date firmware. Assets: Related Investments:	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
STO - UGL	Div_53 - Union South Storage	Compression Stations	Pass		734634	Dawn to Corunna (Dawn Tie-in)	2023	$	(92,870)	Issue/Concern/Opportunity: EGI recognizes its obligation to meet the firm demands of its customers; and as a result, assets are continually evaluated to identify hazards and to assess risks in order to ensure that they remain reliable, suitable, and fit for continued service. To this end, an Asset Health Review (AHR) was performed in 2018 and updated in 2021 as part of the Company's comprehensive Reliability, Availability and Maintainability (RAM) Study for the Corunna Compressor Station (CCS), which was completed by a consultant. The results of this study indicate that the health and maintainability of certain compressor units at the CCS are in decline. Reasons for this decline include, but are not limited to performance, functional issues with custom components (i.e., spare parts), and wear. As a result of these assessments, the Company has identified serious and increasing obsolescence and reliability risks associated with certain CCS compressor units and is experiencing a need for increased maintenance and repair work to keep the units operational going forward. Further, as a result of the compressor units' obsolescence and reliability issues, the Company has experienced continued and increasing compressor unit downtime and long lead repair time. This has created a need for increased maintenance and repair work performed by EGI personnel at the CCS. EGI has also undertaken comprehensive studies, including a site-wide quantitative risk assessment (QRA) to determine the severity of the increasing safety risks, and has determined that the current configuration of compressor units (which includes multiple compressor units in close proximity within a single building), results in an excessive level of process safety risk. Assets: Compressors K701, K702, K703, K705, K706, K707 and K708 Related Investments: 100901 - Dawn to Corunna	Fail	Compression Station related projects are required to maintain existing deliverability and throughput. This is necessary to maintain security of supply and stable natural gas pricing during supply disruptions.
Eastern Area 60 EGD	60 - Ottawa	Customer Connections	Fail	Customer Connections	3764	Area 60 - Residential - New Construction	2025	$	99,122,436			
GTA West Area 20 EGD	20 - Mississauga	Customer Connections	Fail	Customer Connections	3729	Area 20 - Residential - New Construction	2025	$	76,254,421			
GTA East Area 30 EGD	30 - Richmond Hill	Customer Connections	Fail	Customer Connections	3738	Area 30 - Residential - New Construction	2025	$	71,583,347			
Halton Area 17 UGL	Div_17 - Halton	Customer Connections	Fail	Customer Connections	500422	HALT: Company Program - Customer Connections	2025	$	68,047,683			
Waterloo Area 07 UGL	Div_07 - Waterloo	Customer Connections	Fail	Customer Connections	500420	WATE: Company Program - Customer Connections	2025	$	59,801,965			
GTA East Area 40 EGD	40 - Whitby	Customer Connections	Fail	Customer Connections	3747	Area 40 - Residential - New Construction	2025	$	57,011,685			
GTA West Area 20 EGD	20 - Mississauga	Customer Connections	Fail	Customer Connections	740143	Area 20 - Non-Residential/MUB	2025	$	52,950,938			
Toronto Area 10 EGD	10 - Toronto	Customer Connections	Fail	Customer Connections	3700	Area 10 - Residential - New Construction	2025	$	52,844,790			
Niagara Area 80 EGD	80 - Niagara	Customer Connections	Fail	Customer Connections	3772	Area 80 - Residential - New Construction	2025	$	48,539,007			
GTA West Area 50 EGD	50 - Barrie	Customer Connections	Fail	Customer Connections	3756	Area 50 - Residential - New Construction	2025	$	47,084,294			
London Area 04 UGL	Div_04 - London	Customer Connections	Fail	Customer Connections	500418	LOND: Company Program - Customer Connections	2025	$	41,469,836			
Toronto Area 10 EGD	10 - Toronto	Customer Connections	Fail	Customer Connections	740142	Area 10 - Non-Residential/MUB	2025	$	39,600,850			
GTA East Area 30 EGD	30 - Richmond Hill	Customer Connections	Fail	Customer Connections	740144	Area 30 - Non-Residential/MUB	2025	$	36,632,592			
Hamilton Are 16 UGL	Div_16 - Hamilton	Customer Connections	Fail	Customer Connections	500421	HAMI: Company Program - Customer Connections	2025	$	33,820,508			
Windsor Area 02 UGL	Div_01 - Windsor	Customer Connections	Fail	Customer Connections	48306	WIND: Generic Greenhouse Windsor	2025	$	32,491,776			
Eastern Area 60 EGD	60 - Ottawa	Customer Connections	Fail	Customer Connections	740147	Area 60 - Non-Residential/MUB	2025	$	31,962,493			
GTA East Area 40 EGD	40 - Whitby	Customer Connections	Fail	Customer Connections	740145	Area 40 - Non-Residential/MUB	2025	$	31,324,179			
Niagara Area 80 EGD	80 - Niagara	Customer Connections	Fail	Customer Connections	740148	Area 80 - Non-Residential/MUB	2025	$	27,721,920			
Windsor Area 02 UGL	Div_01 - Windsor	Customer Connections	Fail	Customer Connections	500415	WIND: Company Program - Customer Connections	2025	$	26,985,669			
Eastern Area 22 UGL	Div_22 - Kingston	Customer Connections	Fail	Customer Connections	500423	KING: Company Program - Customer Connections	2025	$	26,540,541			
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Customer Connections	Fail	Customer Connections	500427	NBAY: Company Program - Customer Connections	2025	$	25,566,248			
Eastern Area 60 EGD	60 - Ottawa	Customer Connections	Fail	Customer Connections	3765	Area 60 - Residential - Conversion	2025	$	23,738,664			
Waterloo Area 07 UGL	Div_07 - Waterloo	Customer Connections	Fail	Customer Connections	48396	WATE: Company Program - New Business - Scattered Mains - Contractor	2025	$	23,516,899			
Halton Area 17 UGL	Div_17 - Halton	Customer Connections	Fail	Customer Connections	48452	HALT: Company Program - New Business - Scattered Mains - Contractor	2025	$	20,302,902			
GTA West Area 50 EGD	50 - Barrie	Customer Connections	Fail	Customer Connections	740146	Area 50 - Non-Residential/MUB	2025	$	15,335,817			
GTA East Area 40 EGD	40 - Whitby	Customer Connections	Fail	Customer Connections	3748	Area 40 - Residential - Conversion	2025	$	14,501,267			
Hamilton Are 16 UGL	Div_16 - Hamilton	Customer Connections	Fail	Customer Connections	48427	HAMI: Company Program - New Business - Scattered Mains - Contractor	2025	$	14,478,070			
Toronto Area 10 EGD	10 - Toronto	Customer Connections	Fail	Customer Connections	3408	Area 10 - Residential - Replacement	2025	$	12,675,951			
Brantford Area 07 UGL	Div_06 - Brantford	Customer Connections	Fail	Customer Connections	500419	BRAN: Company Program - Customer Connections	2025	$	11,129,703			
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Customer Connections	Fail	Customer Connections	500425	SUDB: Company Program - Customer Connections	2025	$	10,689,188			

Eastern Area 22 UGL	Div_22 - Kingston	Customer Connections	Fail	Customer Connections	48471	KING: Company Program - New Business - Scattered Mains - Contractor	2025	$	10,388,189
GTA East Area 30 EGD	30 - Richmond Hill	Customer Connections	Fail	Customer Connections	3739	Area 30 - Residential - Conversion	2025	$	9,556,086
Windsor Area 02 UGL	Div_01 - Windsor	Customer Connections	Fail	Customer Connections	48287	WIND: Company Program - New Business - Scattered Mains - Contractor	2025	$	8,272,562
GTA West Area 20 EGD	20 - Mississauga	Customer Connections	Fail	Customer Connections	3730	Area 20 - Residential – Conversion	2025	$	8,196,397
London Area 04 UGL	Div_04 - London	Customer Connections	Fail	Customer Connections	48347	LOND: Company Program - New Business - Scattered Mains - Contractor	2025	$	8,050,896
Brantford Area 07 UGL	Div_06 - Brantford	Customer Connections	Fail	Customer Connections	48379	BRAN: Company Program - New Business - Scattered Mains - Contractor	2025	$	7,617,063
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Customer Connections	Fail	Customer Connections	500424	TBAY: Company Program - Customer Connections	2025	$	7,034,653
GTA West Area 50 EGD	50 - Barrie	Customer Connections	Fail	Customer Connections	3757	Area 50 - Residential - Conversion	2025	$	6,857,965
Chatham Area 02 UGL	Div_02 - Chatham	Customer Connections	Fail	Customer Connections	500416	CHAT: Company Program - Customer Connections	2025	$	5,002,948
Northeastern Area 46 UGL	Div_46 - North Bay & Orillia	Customer Connections	Fail	Customer Connections	48574	NBAY: Company Program - New Business - Scattered Mains - Contractor	2025	$	3,817,199
Sarnia Area 04 UGL	Div_03 - Sarnia	Customer Connections	Fail	Customer Connections	500417	SARN: Company Program - Customer Connections	2025	$	3,152,873
Eastern Area 22 UGL	Div_22 - Kingston	Customer Connections	Fail	Customer Connections	503306	KING: Company Program - New Business - Scattered Mains TCS/SES - Contractor	2025	$	2,530,972
Waterloo Area 07 UGL	Div_07 - Waterloo	Customer Connections	Fail	Customer Connections	503298	WATE: Company Program - Customer Connections - TCS/SES	2025	$	2,528,861
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Customer Connections	Fail	Customer Connections	741680	Red Lake New NG Service	2025	$	2,332,424
Niagara Area 80 EGD	80 - Niagara	Customer Connections	Fail	Customer Connections	3773	Area 80 - Residential - Conversion	2025	$	1,919,165
Eastern Area 22 UGL	Div_22 - Kingston	Customer Connections	Fail	Customer Connections	503305	KING: Company Program - Customer Connections - TCS/SES	2025	$	1,506,514
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Customer Connections	Fail	Customer Connections	48532	SUDB: Company Program - New Business - Scattered Mains - Contractor	2025	$	1,495,331
Chatham Area 02 UGL	Div_02 - Chatham	Customer Connections	Fail	Customer Connections	48320	CHAT: Company Program - New Business - Scattered Mains - Contractor	2025	$	1,453,430
Northwestern Area 33 UGL	Div_33 - Thunder Bay	Customer Connections	Fail	Customer Connections	48506	TBAY: Company Program - New Business - Scattered Mains - Company	2025	$	1,185,414
GTA West Area 50 EGD	50 - Barrie	Customer Connections	Fail	Customer Connections	503320	Area 50 - Residential – Conversion TCS/SES	2025	$	1,003,861
Sarnia Area 04 UGL	Div_03 - Sarnia	Customer Connections	Fail	Customer Connections	48335	SARN: Company Program - New Business - Scattered Mains - Contractor	2025	$	768,755
Northwestern Area 45 UGL	Div_45 - Timmins	Customer Connections	Fail	Customer Connections	500426	TIMM: Company Program - Customer Connections	2025	$	700,724
Halton Area 17 UGL	Div_17 - Halton	Customer Connections	Fail	Customer Connections	503303	HALT: Company Program - Customer Connections – TCS/SES	2025	$	486,925
Niagara Area 80 EGD	80 - Niagara	Customer Connections	Fail	Customer Connections	503323	Area 80 - Residential - Conversion TCS/SES	2025	$	346,626
Brantford Area 07 UGL	Div_06 - Brantford	Customer Connections	Fail	Customer Connections	503296	BRAN: Company Program - Customer Connections - TCS/SES	2025	$	321,947
Eastern Area 60 EGD	60 - Ottawa	Customer Connections	Fail	Customer Connections	503317	Area 60 - Residential - Conversion TCS/SES	2025	$	223,189
Toronto Area 10 EGD	10 - Toronto	Customer Connections	Fail	Customer Connections	503318	Area 10 - Residential - Replacement TCS	2025	$	185,321
GTA West Area 20 EGD	20 - Mississauga	Customer Connections	Fail	Customer Connections	503322	Area 20 - Residential – Conversion TCS/SES	2025	$	166,331
GTA East Area 30 EGD	30 - Richmond Hill	Customer Connections	Fail	Customer Connections	503321	Area 30 - Residential - Conversion TCS/SES	2025	$	140,542
Eastern Area 22 UGL	Div_22 - Kingston	Customer Connections	Fail	Customer Connections	734486	22-22-303 KING: Latham Pool Plant	2025	$	43,985
GTA East Area 40 EGD	40 - Whitby	Customer Connections	Fail	Customer Connections	736524	NW 4793 Carnwith Dr. Brooklin Reinforcement	2025	$	33,513
GTA West Area 20 EGD	20 - Mississauga	Customer Connections	Fail	Customer Connections	1619	Area 20 - Sales Stations - New Construction	2025	$	31,125
GTA West Area 50 EGD	50 - Barrie	Customer Connections	Fail	Customer Connections	1622	Area 50 - Sales Stations - New Construction	2025	$	31,125
Niagara Area 80 EGD	80 - Niagara	Customer Connections	Fail	Customer Connections	1624	Area 80 - Sales Stations - New Construction	2025	$	31,125
Toronto Area 10 EGD	10 - Toronto	Customer Connections	Fail	Customer Connections	736616	Area 10 - Sales Stations - New Construction	2025	$	31,125
GTA East Area 30 EGD	30 - Richmond Hill	Customer Connections	Fail	Customer Connections	739709	Area 30 - Sales Stations - New Construction	2025	$	31,125
GTA West Area 50 EGD	50 - Barrie	Customer Connections	Fail	Customer Connections	739710	Area 40 - Sales Stations - New Construction	2025	$	31,125
Eastern Area 60 EGD	60 - Ottawa	Customer Connections	Fail	Customer Connections	739711	Area 60 - Sales Stations - New Construction	2025	$	31,125
Northwestern Area 45 UGL	Div_45 - Timmins	Customer Connections	Fail	Customer Connections	48563	TIMM: Company Program - New Business - Scattered Mains - Company	2025	$	23,251
Toronto Area 10 EGD	10 - Toronto	Customer Connections	Fail	Customer Connections	11850	Area 10 - Sales Stations - Replacements	2025	$	22,408
GTA East Area 30 EGD	30 - Richmond Hill	Customer Connections	Fail	Customer Connections	11853	Area 30 - Sales Stations - Replacements	2025	$	22,408
GTA West Area 20 EGD	20 - Mississauga	Customer Connections	Fail	Customer Connections	501498	Area 20 - Sales Stations - Replacements	2025	$	22,408
GTA East Area 40 EGD	40 - Whitby	Customer Connections	Fail	Customer Connections	739704	Area 40 - Sales Stations - Replacements	2025	$	22,408
GTA West Area 50 EGD	50 - Barrie	Customer Connections	Fail	Customer Connections	739705	Area 50 - Sales Stations - Replacements	2025	$	22,408
Eastern Area 60 EGD	60 - Ottawa	Customer Connections	Fail	Customer Connections	739706	Area 60 - Sales Stations - Replacements	2025	$	22,408
Niagara Area 80 EGD	80 - Niagara	Customer Connections	Fail	Customer Connections	739707	Area 80 - Sales Stations - Replacements	2025	$	22,408
Northeastern Area 43 UGL	Div_43 - Sudbury & S.S. Marie	Customer Connections	Fail	Customer Connections	744937	Tenaris Service Relocation	2025	$	20,419
Chatham Area 02 UGL	Div_02 - Chatham	Customer Connections	Fail	Customer Connections	503285	CHAT: Company Program - Customer Connections - TCS/SES	2025	$	18,550
Toronto Area 10 EGD	10 - Toronto	Customer Connections	Fail	Customer Connections	3407	Area 10 - Commercial - Replacement	2025	$	17,090

GTA West Area 50 EGD	**50 - Barrie**	Customer Connections	**Fail**	Customer Connections	**3774**	Area 50 - Commercial - Replacement	**2025**	$	17,090	
GTA East Area 30 EGD	**30 - Richmond Hill**	Customer Connections	**Fail**	Customer Connections	**3780**	Area 30 - Commercial - Replacement	**2025**	$	17,090	
GTA West Area 20 EGD	**20 - Mississauga**	Customer Connections	**Fail**	Customer Connections	**3783**	Area 20 - Commercial - Replacement	**2025**	$	17,090	
GTA East Area 40 EGD	**40 - Whitby**	Customer Connections	**Fail**	Customer Connections	**3820**	Area 40 - Commercial - Replacement	**2025**	$	17,090	
Eastern Area 60 EGD	**60 - Ottawa**	Customer Connections	**Fail**	Customer Connections	**3821**	Area 60 - Commercial - Conversion	**2025**	$	17,090	
Niagara Area 80 EGD	**80 - Niagara**	Customer Connections	**Fail**	Customer Connections	**3822**	Area 80 - Commercial - Replacement	**2025**	$	17,090	
Northeastern Area 43 UGL	**Div_43 - Sudbury & S.S. Marie**	Customer Connections	**Fail**	Customer Connections	**740862**	NE: 43401010 - Vale Creighton Mine #9, Telemetry Upgrades - CAN	**2025**	$	11,620	
Northwestern Area 33 UGL	**Div_33 - Thunder Bay**	Customer Connections	**Fail**	Customer Connections	**741664**	33-23-711 Thunder Bay Customer Signal Sites	**2025**	$	11,620	
Northeastern Area 46 UGL	**Div_46 - North Bay & Orillia**	Customer Connections	**Fail**	Customer Connections	**503316**	NBAY: Company Program - New Business - Scattered Mains TCS/SES - Contractor	**2025**	$	10,344	
Waterloo Area 67 UGL	**Div_67 - Waterloo**	Customer Connections	**Fail**	Customer Connections	**741730**	WATE- 21U-112I and 21T-609C Polycorp Telemetry Upgrades	**2025**	$	7,032	
Waterloo Area 67 UGL	**Div_67 - Waterloo**	Customer Connections	**Fail**	Customer Connections	**743414**	23Q-603C 215 Minto Telemetry Upgrades, Contract Customer	**2025**	$	7,032	
Toronto Area 10 EGD	**10 - Toronto**	Customer Connections	**Fail**	Customer Connections	**3402**	Area 10 - Apartment Ensuite - New Construction	**2025**	$	1,492	
Toronto Area 10 EGD	**10 - Toronto**	Customer Connections	**Fail**	Customer Connections	**3405**	Area 10 - Apartment Traditional - New Construction	**2025**	$	1,492	
GTA West Area 20 EGD	**20 - Mississauga**	Customer Connections	**Fail**	Customer Connections	**3722**	Area 20 - Apartment Ensuite - New Construction	**2025**	$	1,492	
GTA West Area 20 EGD	**20 - Mississauga**	Customer Connections	**Fail**	Customer Connections	**3724**	Area 20 - Apartment Traditional - New Construction	**2025**	$	1,492	
GTA East Area 30 EGD	**30 - Richmond Hill**	Customer Connections	**Fail**	Customer Connections	**3731**	Area 30 - Apartment Ensuite - New Construction	**2025**	$	1,492	
GTA East Area 30 EGD	**30 - Richmond Hill**	Customer Connections	**Fail**	Customer Connections	**3733**	Area 30 - Apartment Traditional - New Construction	**2025**	$	1,492	
GTA East Area 40 EGD	**40 - Whitby**	Customer Connections	**Fail**	Customer Connections	**3740**	Area 40 - Apartment Ensuite - New Construction	**2025**	$	1,492	
GTA East Area 40 EGD	**40 - Whitby**	Customer Connections	**Fail**	Customer Connections	**3742**	Area 40 - Apartment Traditional - New Construction	**2025**	$	1,492	
GTA West Area 50 EGD	**50 - Barrie**	Customer Connections	**Fail**	Customer Connections	**3749**	Area 50 - Apartment Ensuite - New Construction	**2025**	$	1,492	
GTA West Area 50 EGD	**50 - Barrie**	Customer Connections	**Fail**	Customer Connections	**3751**	Area 50 - Apartment Traditional - New Construction	**2025**	$	1,492	
Eastern Area 60 EGD	**60 - Ottawa**	Customer Connections	**Fail**	Customer Connections	**3758**	Area 60 - Apartment Ensuite - New Construction	**2025**	$	1,492	
Eastern Area 60 EGD	**60 - Ottawa**	Customer Connections	**Fail**	Customer Connections	**3759**	Area 60 - Apartment Traditional - New Construction	**2025**	$	1,492	
Niagara Area 80 EGD	**80 - Niagara**	Customer Connections	**Fail**	Customer Connections	**3766**	Area 80 - Apartment Ensuite - New Construction	**2025**	$	1,492	
Niagara Area 80 EGD	**80 - Niagara**	Customer Connections	**Fail**	Customer Connections	**3767**	Area 80 - Apartment Traditional - New Construction	**2025**	$	1,492	
Toronto Area 10 EGD	**10 - Toronto**	Customer Connections	**Fail**	Customer Connections	**3720**	Area 10 - Industrial - New Construction	**2025**	$	687	
GTA West Area 20 EGD	**20 - Mississauga**	Customer Connections	**Fail**	Customer Connections	**3727**	Area 20 - Industrial - New Construction	**2025**	$	687	
GTA East Area 30 EGD	**30 - Richmond Hill**	Customer Connections	**Fail**	Customer Connections	**3736**	Area 30 - Industrial - New Construction	**2025**	$	687	
GTA East Area 40 EGD	**40 - Whitby**	Customer Connections	**Fail**	Customer Connections	**3745**	Area 40 - Industrial - New Construction	**2025**	$	687	
GTA West Area 50 EGD	**50 - Barrie**	Customer Connections	**Fail**	Customer Connections	**3754**	Area 50 - Industrial - New Construction	**2025**	$	687	
Eastern Area 60 EGD	**60 - Ottawa**	Customer Connections	**Fail**	Customer Connections	**3762**	Area 60 - Industrial - New Construction	**2025**	$	687	
Niagara Area 80 EGD	**80 - Niagara**	Customer Connections	**Fail**	Customer Connections	**3770**	Area 80 - Industrial - New Construction	**2025**	$	687	
GTA East Area 40 EGD	**40 - Whitby**	Customer Connections	**Fail**	Customer Connections	**503319**	Area 40 - Residential - Conversion TCS/SES	**2025**	$	4	

4.3 Appendix C

Enbridge Gas Ontario Hydrogen Grid Study- Interim Report

Interim Report

[October 30, 2025]

ENBRIDGE

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1.0 Executive Summary

This report has been produced and filed with the Ontario Energy Board (OEB) as the interim report for the Hydrogen Grid Study (study) as discussed in the EB-2022-0200 proceeding at Exhibit 4, Tab 2, Schedule 6. At the completion of the study, a final report - planned for Q3 2027- will be filed with the OEB. The study is aimed at assessing the feasibility of integrating hydrogen—in amounts up to 100%—into Enbridge Gas Ontario's (Enbridge Gas) existing natural gas infrastructure. Supported by federal funding through the Natural Resources Canada (NRCan) Clean Fuel Fund (CFF), the project aligns with national and provincial hydrogen strategies and will complement an 'all-of-the-above approach' for energy system planning. The study is structured to address CSA Z662-23 (Oil and Gas Pipeline Systems) code requirements for service fluid change and is divided into external consultant and internal work streams, covering design & materials, operations & integrity, safety & risk, end-user equipment suitability and cost impact.

Preliminary findings from the hydraulic capacity modelling indicate that much of the distribution system could accommodate up to 25% hydrogen by volume with certain reinforcements, while transmission systems show capacity shortfalls proportional to hydrogen blend ratios.

Facilities (such as compressors and metering & regulating stations) and pipeline assets were screened for hydrogen material compatibility and functional performance. At this high-level stage, preliminary findings show that distribution systems are generally more compatible with higher levels of hydrogen than transmission systems. Customer end-user equipment, particularly residential appliances, shows promising compatibility with hydrogen blends.

The next steps of the study will focus on detailed Engineering Assessment of selected representative segments and networks, development of Hydrogen Feasibility Evaluation and Technical Readiness Plan. The final report, scheduled for submission to the OEB in Q3 2027, will present a summary of the study's findings.

2.0 Project Overview

2.1 Background and Drivers

The Hydrogen Strategy for Canada[1] and Ontario's Low-Carbon Hydrogen Strategy[2] both identify hydrogen blending as a critical near-term solution to support Canada's transition to a low-carbon economy.

In light of those government drivers, Enbridge Gas introduced the Hydrogen Grid Study in the EB-2022-0200 proceeding at Exhibit 4, Tab 2, Schedule 6. The study was estimated to cost $12 million, and the amount was included in the Asset Management Plan (AMP).

Enbridge Gas applied for funding through NRCan's CFF for this project and was able to secure a contribution agreement on March 24, 2024. The contribution agreement would see NRCan contributing $5 million toward eligible expenditures between the signing date of the contribution agreement and end of March 2026.

The Government of Ontario recently released Energy for Generations: Ontario's Integrated Plan (IEP) [3] to Power the Strongest Economy in the G7, which reconfirms hydrogen as a strategic resource that can support economic development and energy security, while leveraging the province's clean electricity grid to produce lower-carbon hydrogen for multiple end-uses. Key drivers noted in the IEP include reducing emissions in hard-to-abate sectors, using surplus electricity for hydrogen production and storage, and enabling energy system flexibility.

Blending hydrogen into the existing natural gas system can kick-start Ontario's hydrogen economy by stimulating hydrogen production to meet demand.

2.2 Objectives and Scope

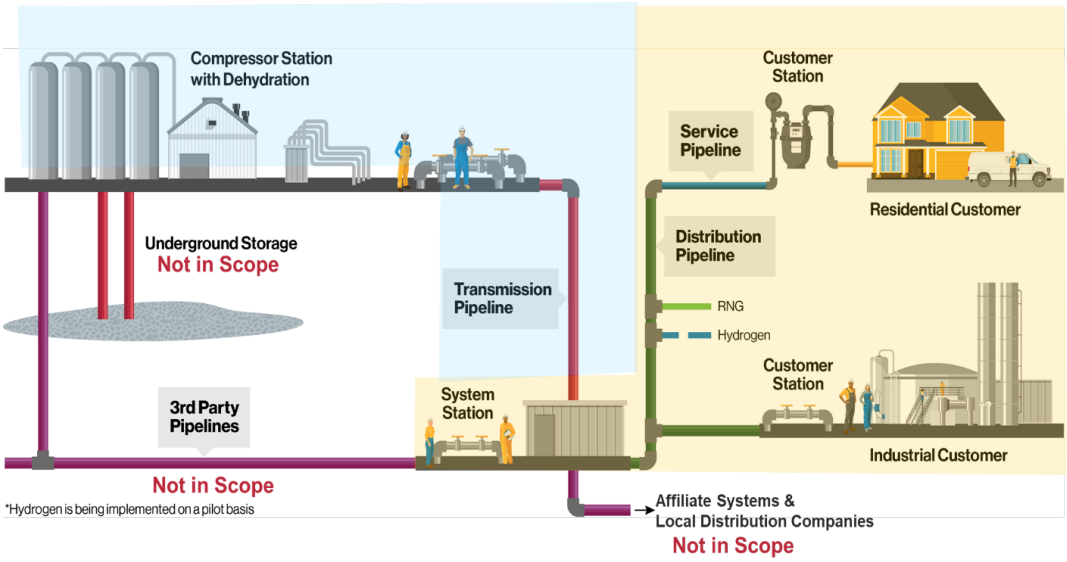

Figure 1: Scope of this study. Yellow shaded area shows the distribution system scope and blue shaded area shows transmission scope. Unshaded assets are out of scope.

[1] https://natural-resources.canada.ca/energy-sources/clean-fuels/hydrogen-strategy
[2] Ontario's Low-Carbon Hydrogen Strategy | ontario.ca
[3] https://www.ontario.ca/page/energy-generations

This study aims to evaluate the technical feasibility of blending hydrogen—up to and including 100%—into Ontario's existing gas infrastructure while considering safe and reliable operations, material compatibility, hydraulic capacity, and end user suitability. The study will assess the level of technical and operational readiness of the natural gas system to accept hydrogen and identify changes required to assets, procedures and workforce. The study will also examine the technical potential and ability to implement changes to the gas distribution system to serve hard-to-electrify customers with 100% hydrogen.

As shown in Figure 1, the scope of this study includes all transmission and distribution system assets as well as downstream customer piping and equipment. Excluded from the transmission scope are the underground storage assets, affiliates and third-party pipelines. The distribution scope excludes affiliate systems such as those belonging to Enbridge Gaz Québec and other natural gas utilities fed by the Enbridge Gas system. Assets outside of these boundaries will not form part of the project scope.

2.3 Schedule and Deliverables

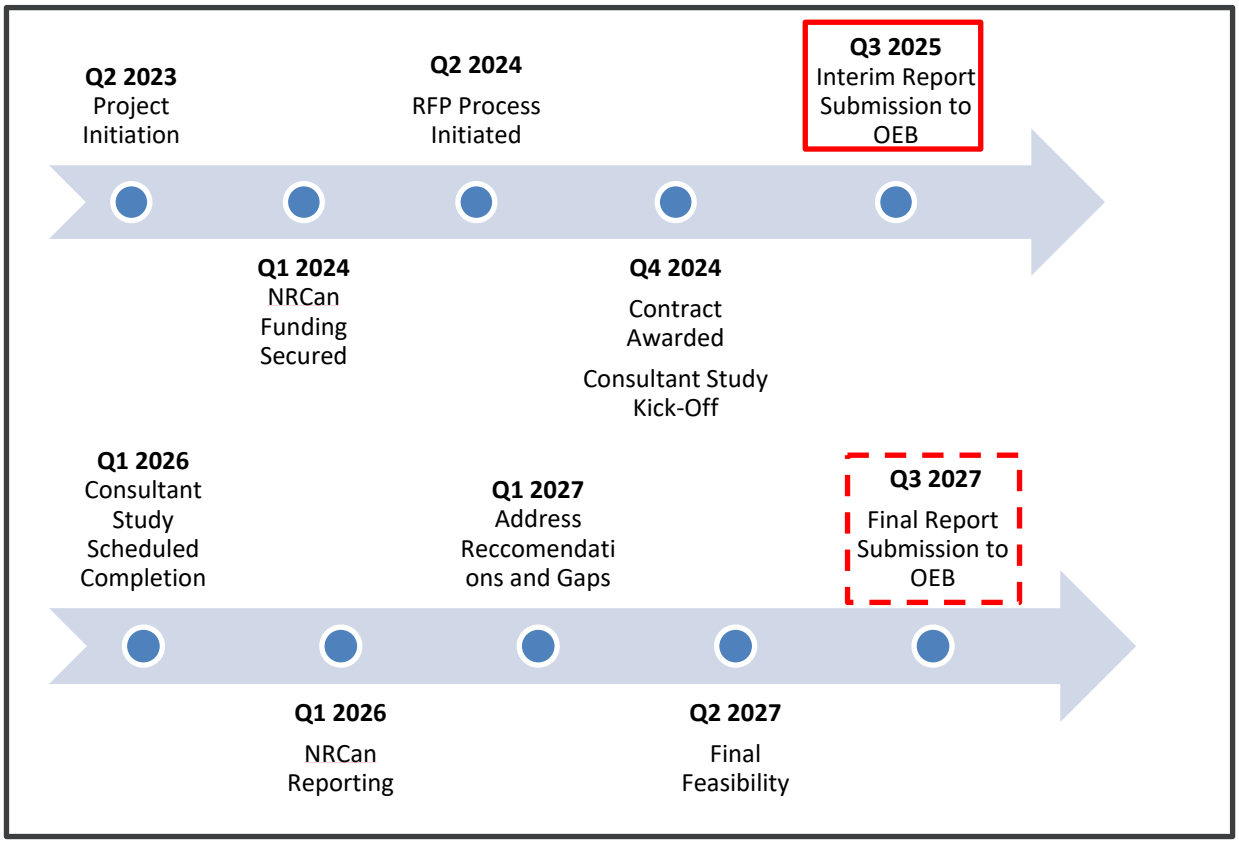

Figure 2: Project milestones and deliverables.

Figure 2 captures the key milestones, including the filing of the Interim Report and Final Report for the study with the OEB.

Government funding for the project was expected to be secured by end of 2022. However, funding was delayed until March 26, 2024, which is when the Final Contribution Agreement (CA) with NRCan was signed and executed. This led to a later than planned commencement of the procurement process for the Consultant Study. Given the specialized nature of the project and limited number of consultants with relevant experience, the procurement process proved to be more complicated and time-consuming than expected, culminating in contracts being awarded in November 2024. Due to those delays, and to meet scope and objectives of this project, the submission date for the Final Report will be revised from Q3 2026 (as set out in the EB-2022-0200 proceeding at Exhibit 4, Tab 2, Schedule 6) to Q3 2027.

The Final Report will present a summary of the findings from the technical evaluations of hydraulics, pipelines, facilities, system components and end user equipment, provide a high-level cost estimate on expected system enhancements and assess the feasibility of repurposing the existing system for hydrogen blend and/or pure hydrogen service.

A Technical Readiness Plan (to be developed internally) will aim to support the potential execution of hydrogen blending projects for selected representative segments and networks (see section 3.2). This effort will evaluate recommendations from the Consultant Study, address gaps, perform validation testing, and develop feasibility-level engineering designs. This Technical Readiness Plan will identify network technical readiness for potential future implementation.

2.4 Methodology

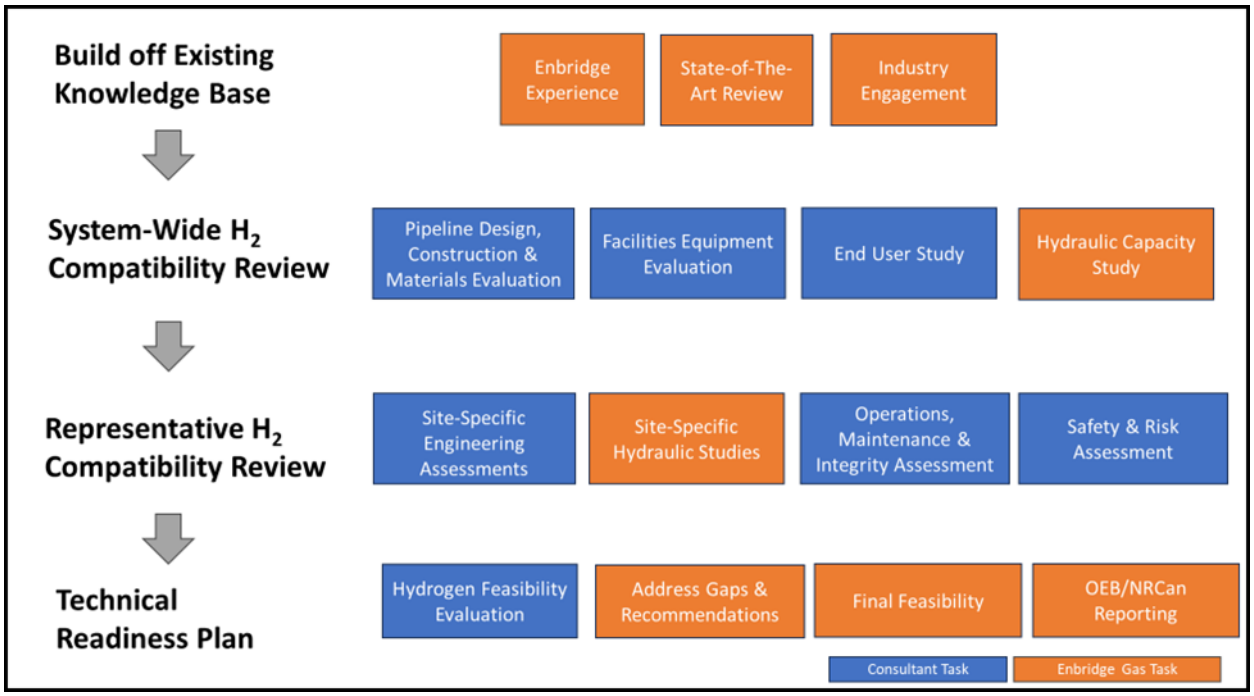

Figure 3: Study overall approach and work package structure

The overall study approach, as illustrated by Figure 3, is made up of four major elements:

1. Building off existing knowledge base developed through Enbridge Gas experience with the Markham Low Carbon Energy Project (LCEP) Phase 1, existing literature, state-of-the-art research and Enbridge Gas's engagement with industry to identify key parameters affected by service fluid [4] change to hydrogen.
2. Performing system-wide hydrogen compatibility review which is a macro-level review of key parameters including hydraulics, pipeline, facilities, and end use evaluation to collect learnings and identify representative segments and networks.
3. Performing detailed, site-specific, and CSA Z662 code-compliant Engineering Assessments on the representative segments and networks recommended from the macro-level review to repurpose those selected segments and networks for pure hydrogen or hydrogen blend.
4. Leveraging the learnings from previous elements to develop the Technical Readiness Plan for potential future implementation.

[4] Service fluid refers to the fluid being transported through the pipelines

3.0 Progress Update

This section describes each of the work streams outlining the objectives, scope, and progress update.

3.1 Hydraulic Capacity Evaluation

Description:

The objective of the system-wide hydraulic evaluation is to assess the capacity of the current Ontario system and identify potential reinforcements needed to support hydrogen blending, while also evaluating the requirements for a longer-term transition to pure hydrogen.

This included analysis of the three system types operated by Enbridge Gas Ontario: Distribution, Transmission and Dawn Hub Compression. Since the existing natural gas systems facilities, customer demands, boundary conditions and other assumptions change from year to year, the assessment uses hydraulic models from Q1 2025 for the distribution systems and the 2025 calendar budget cycle for the transmission and Dawn Hub compression systems. The forecast year 2034 models were used to correlate to the end of the ten-year AMP. The study is being undertaken internally using Enbridge Gas expertise.

Progress:

Two modeling scenarios were completed for the transmission and distribution systems in Ontario. The first model evaluates the effect of blending hydrogen at different percentages on the energy deliverability of the systems, while the second model evaluates the amount of pure hydrogen that can be transported and associated impacts. Preliminary results of the transmission and distribution modelling are presented in section 4.1, while the Dawn Hub Compression modelling is currently underway.

3.2 Design, Materials and Construction Evaluation

Description:

The objective of this work is to evaluate the effects of hydrogen service on the design, materials and construction of the existing natural gas system pipeline materials. The evaluation is conducted in two stages:

1. A macro-level evaluation of all pipeline assets in the system to identify critical gaps and representative segments and networks
2. A detailed CSA Z662-23 Engineering Assessment on the selected representative systems to inform high-level cost estimation and potential execution planning.

Progress:

A high-level evaluation of the entire transmission and distribution pipeline networks was completed, utilizing screening criteria with material properties deemed most impacted by hydrogen service. The assessment classified all assets into three categories corresponding to the level of effort required for service fluid change. The result of this evaluation is presented in section 4.2.

Additionally, the evaluation included the selection of five transmission segments and five distribution networks deemed most impactful for the feasibility evaluation. The selection of those segments and networks considered the following:

1. Strategic Location – Proximity to potential hydrogen hubs, hard-to-electrify sectors, and potential production.
2. System Attributes – Representative of broader system materials, operating conditions, and customer types.
3. Executability – Minimal reinforcement, retrofits, and compatibility of potential end users.

3.3 Facilities Equipment Evaluation

Description:

The objective of this work is to evaluate the effects of hydrogen service on existing facilities assets, including compression, odourization, heating, filtration, measurement, instrumentation, pressure regulation, and dehydration facilities. Similar to the previous work stream, this evaluation is conducted in two stages:

1. A system-wide macro-level review to identify critical technical gaps and select representative facilities.
2. A detailed CSA Z662-23 Engineering Assessment on those facilities to inform high-level cost estimation and potential execution planning.

Progress:

A high-level evaluation of the transmission and distribution facilities was conducted, utilizing a set of parameters deemed most affected by hydrogen service. The evaluation classified all system facilities into three categories corresponding to the level of effort required for service fluid change. The result of this evaluation is presented in section 4.3.

Due to the extensive scale and diversity of facilities in the transmission and distribution systems, 2 compressor stations and 15 Metering & Regulating (M&R) stations were selected as representative samples for the detailed Engineering Assessment stage. The selection was based on selected networks, vintage, configuration capacities, operating pressures, and other key parameters deemed most impactful on the feasibility evaluation.

3.4 Operations, Maintenance & Integrity Assessment

Description:

This work is focused on performing an operations, maintenance and integrity assessment for all assets in the selected representative segments of the transmission system and networks in the distribution system, as part of the detailed CSA Z662-23 Engineering Assessment. This assessment will quantify effects of hydrogen on pipeline system integrity and operational reliability. Based on the results from this analysis, Enbridge Gas will document potential changes to current practices or system upgrades required to support high-level cost estimation and potential execution planning. Recommendations from this detailed assessment will outline material testing campaigns required to confirm existing material characteristics.

Progress:

Integrity assessment methodology was developed by leveraging standards from various jurisdictions around the globe and tailored to an Ontario context. The methodology considered operational conditions, material properties, installation practices and potential failure mechanisms associated with hydrogen service. This assessment is currently underway.

3.5 Safety & Risk Assessment

Description:

This work aims to quantify the risk associated with blending hydrogen, compare it against the natural gas baseline risk, and identify mitigation measures that enable safe and reliable service fluid change for existing natural gas assets. The conclusions from this work will outline potential system changes required to continue safe operation in hydrogen blend and pure hydrogen service. This will further inform cost estimation and potential execution planning.

Progress:

Risk assessment methodology was developed to quantify the change in operational risk on transmission and distribution pipeline, compression and M&R facilities, and residential, commercial and industrial customers associated with hydrogen service fluid change. This assessment is currently underway.

3.6 End Use Feasibility Evaluation

Description:

This work focuses on impacts to the end users of natural gas across the entire Ontario system including residential, commercial and industrial users. This review will also summarize potential impacts to particularly hard-to-electrify sectors (such as power generation), or industries expected to be sensitive to hydrogen service (where natural gas is used as a feedstock). The evaluation will be conducted by performing a system-wide gas interchangeability analysis, state-of-the-art literature review, code compliance review, material compatibility assessment and identification of impacts to industrial processes.

Progress:

A system-wide interchangeability gas analysis was performed on gas supply sources to quantify the effect of hydrogen on natural gas tariffs. Preliminary results of the interchangeability analysis are presented in section 4.4, while the remaining tasks are currently underway.

3.7 Hydrogen Feasibility Evaluation

Description:

This work aims to leverage the detailed technical evaluations performed in previous work streams to produce high-level cost estimates for system changes required to support hydrogen blending and pure hydrogen service. This high-level cost estimate will inform final hydrogen feasibility and potential execution planning.

Progress:

To support the Hydrogen Feasibility Evaluation, cost data from industry reports and similar executed projects are currently being gathered to support class 5 cost estimates (accuracy range of -50% to +100%) at blending volumes of 5, 25, and 100%.

4.0 Preliminary Results

4.1 Hydraulic Capacity Study

4.1.1 Transmission

A sensitivity analysis was conducted to evaluate the impact of different levels of hydrogen blending on the capacity of Enbridge Gas' Dawn - Parkway, Albion, and Panhandle transmission systems (See Figure 4 below). The analysis evaluated hydrogen blending ratios of 0%, 5%, 15%, 25%, and 100% into the existing transmission natural gas system at different energy demand levels. The energy demands ranged from 50% to 120% in 10% increments of the forecasted demand in 2034 as part of the 2024 long range plan (2025 to 2034). Using hydraulic modelling analysis, a system capacity shortfall was quantified for each hydrogen blend ratio and energy demand scenario. This analysis suggests a system capacity shortfall of 0.2% - 0.5% of transmission system capacity for every 1.0% of blended hydrogen. For the 100% hydrogen scenarios, the Dawn-Parkway, Albion, and Panhandle transmission systems can serve 30%, 60%, and 80%, respectively, of energy demand compared to natural gas. Pipeline reinforcement to eliminate the system capacity shortfall by hydrogen blending will be quantified as part of the Hydrogen Feasibility Evaluation.

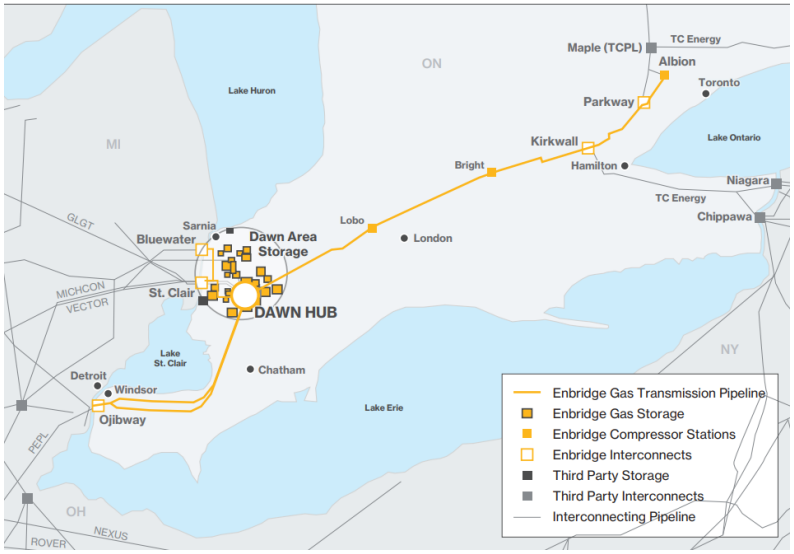

Figure 4: Transmission System Map

4.1.2 Distribution

The primary objective for the distribution systems is to model and quantify potential reinforcement requirements driven by hydrogen being blended into the distribution system at different percentages (5%, 15% and 25%). The systems were modelled under peak design condition in the year 2034 to correlate to the end of the ten-year AMP 2025 to 2034, System reinforcements were activated following timing in the current AMP with some additional reinforcements activated due to system changes since AMP updates. The demands in 2034 also include impacts of potential fuel switching, efficiency measures and system growth.

Given that hydrogen has roughly 1/3 of the energy density compared to natural gas on a per volume basis, with a 25% hydrogen in natural gas blend, it would be expected for a closed system to see an approximately 17% shortfall in energy deliverability. However, taking into consideration the reduced density of the fluid, expected flow rates will increase resulting in only a 6% shortfall in energy deliverability of the distribution system. With this considered and the fact that the distribution systems are all unique and at varying levels of system capacity modeling indicates that with targeted reinforcement, an estimate of a 3-5% increase per annum over total expenditure indicated in the AMP, would enable the distribution system to deliver a 25% by volume mixture of hydrogen and natural gas.

A scenario of 100% hydrogen has also been modelled to assess the impact to gas velocities and station capacities if the system is converted from natural gas to hydrogen. In this scenario, the model was able to meet 80% of peak design demand in year 2034, showing a 20% shortfall in energy deliverability. Reinforcements have been identified and will be included in the Hydrogen Feasibility Evaluation.

4.2 Pipeline Screening

Transmission and distribution system assets were screened for compatibility based on key parameters most affected by hydrogen service. Parameters considered for each pipe asset include design attributes such as year of installation and pressure/stress levels, material attributes such as mechanical properties and manufacturing type, construction attributes such as joining and inspection methods, and operational attributes such as pressure cycling, inspection and maintenance history.

This evaluation classified every asset in the system into 3 categories:

1. Green: Minimum cost expected to blend hydrogen into the network.
2. Amber: Moderate cost expected to blend hydrogen into the network.
3. Red: Major cost expected to blend hydrogen into the network.

Preliminary results show that only 5% of the distribution pipeline system falls in the red category, while most of the transmission system falls in the amber and red categories due to conservative assumptions used during screening. The high-level screening will be validated further as part of the Engineering Assessment and costs will be quantified as part of the Hydrogen Feasibility Evaluation.

4.3 Facilities Screening

Facilities making up the transmission and distribution systems were screened for hydrogen blended gas service compatibility and readiness using criteria that can be applied systematically. Like the Pipeline Screening above, the evaluation was classified into 3 categories (green, amber and red) based on the expected upgrade or replacement cost.

For compressor stations, key parameters include the year of installation and material attributes, as well as potential impacts to gas turbines (e.g. NOx emissions, combustion instability, material degradation) and centrifugal compressors (e.g. performance shifts, seal integrity). Original Equipment Manufacturer (OEM) studies were taken into consideration to outline hydrogen blend thresholds with corresponding mitigation strategies (e.g. equipment upgrades or full replacement). The model and age of the compressor units were used as proxies for hydrogen compatibility of the equipment. At this screening stage, preliminary results show that most compression units will require at least minor upgrades, with full replacement being likely at higher hydrogen concentrations.

M&R stations were screened against evaluation criteria centered around station capacity and installation year. Installation year was used a proxy for material compatibility, equipment performance, construction practices and record availability. The screening classified each distribution system station under the same category defined in section 4.2. Preliminary results show that 17% of stations fall in the red category. The screening exercise also identified representative stations for a more detailed engineering assessment to further refine suitability, operational readiness and risk quantification. The results from this assessment will further inform the Hydrogen Feasibility Evaluation.

4.4 End Use Feasibility Study

The interchangeability gas analysis reviewed gas quality and composition data historically received in the Enbridge Gas franchise areas, and quantified the effect of hydrogen on key gas characteristics (Wobbe Index[5] , heating values, methane number, etc.).

[5] The Wobbe Index is a parameter used to characterize the interchangeability of fuel gases in combustion equipment. It is defined as the higher heating value of the gas divided by the square root of its specific gravity relative to air.

Preliminary result based on Wobbe Index, show that 12-14% hydrogen can be blended into transmission system gas without exceeding historically seen values. If the Wobbe Index tariff limits are considered, the system can accept between 23-30% hydrogen without exceeding those limits. This analysis is considered conservative and only uses gas combustion theory to determine suitability of different gases. To close this gap between interchangeability analysis and actual safe and reliable performance of appliances, Enbridge Gas has been part of a joint industry project (JIP) which has been testing appliances on hydrogen blends in domestic appliances common to the Canadian market. Recommendations from this study will further inform the equipment testing campaign required to support potential execution planning and validate results of this analysis.

5.0 Next Steps

As described in Section 2, the Consultant Study is currently in progress and scheduled to be completed in Q1 2026. The Consultant Study will provide recommendations for required system changes to ensure safe and reliable integration of hydrogen into the existing natural gas system. Enbridge Gas will evaluate the recommendations, address gaps, and assess final feasibility of repurposing the existing network for this service fluid change. The results will be summarized and presented in the Hydrogen Grid Study Final Report to the OEB, scheduled for Q3 2027.