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BY EMAIL AND RESS

November 21, 2025

Mr. Ritchie Murray
Acting Registrar
Ontario Energy Board
Suite 2700, 2300 Yonge Street
P.O. Box 2319
Toronto, ON M4P 1E4

Dear Mr. Murray,

EB-2022-0142 – Hydro One Networks Inc.'s Southwestern Ontario Transmission Line Projects – Bi-annual Reporting for the Period May 1, 2025 to October 31, 2025

Please find attached Hydro One Networks Inc.'s, ("Hydro One") bi-annual reporting pertaining to transmission projects defined in Hydro One's licence and located in southwestern Ontario, jointly referred to as the Southwestern Ontario Transmission Line Projects. More specifically, the two attached reports contain details regarding Hydro One's development activities for the:

- Two separately identified 500kV single-circuit transmission line projects that will span between Longwood Transformer Station ("TS") and Lakeshore TS.
- Windsor Lakeshore Power Line (Lauzon TS x Lakeshore TS) Project.

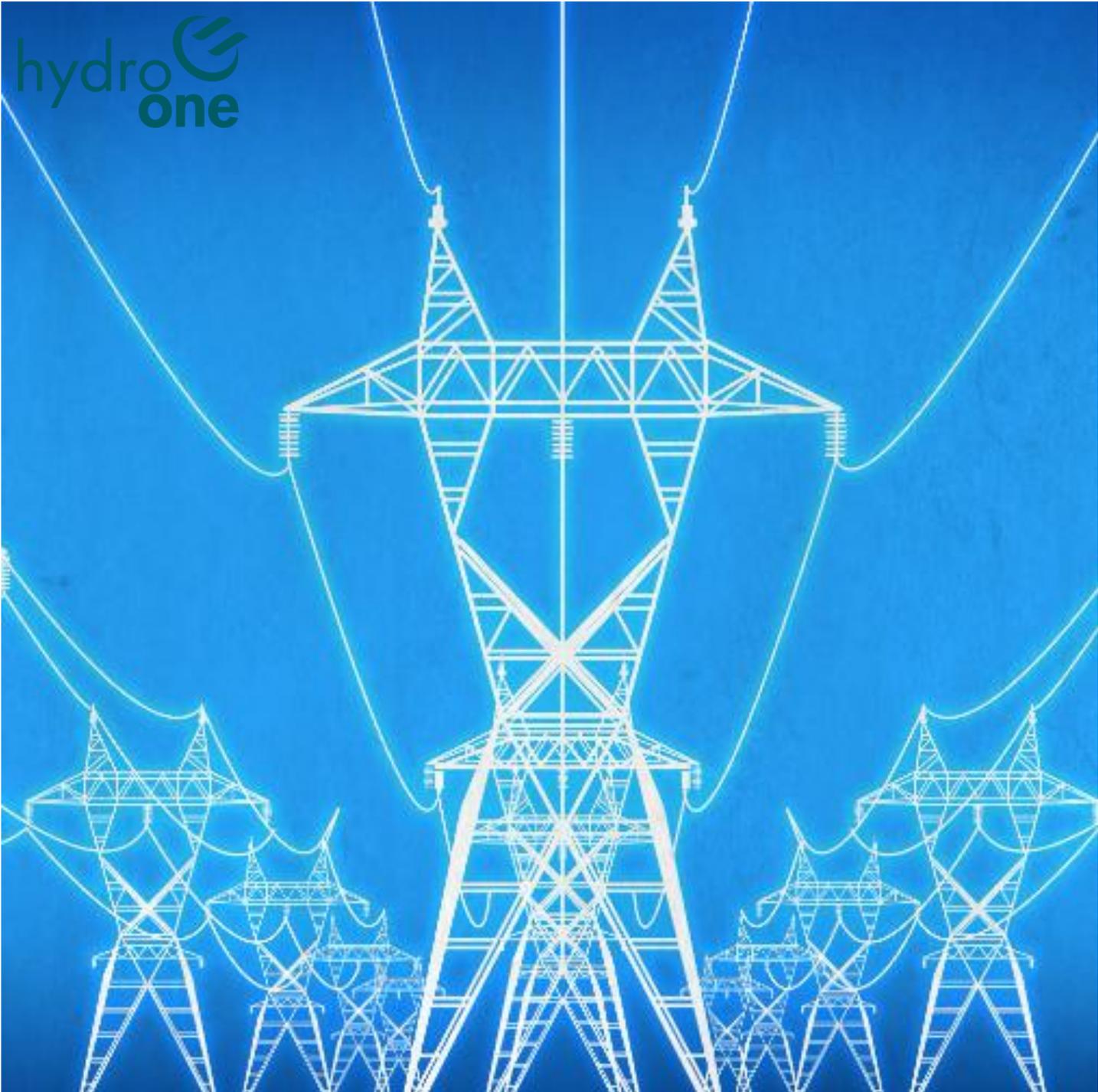
These reports cover the reporting period May 1, 2025 to October 31, 2025, consistent with the direction provided by the Ontario Energy Board ("OEB") in its letter dated May 24, 2022.

An electronic copy of the bi-annual reports for the Southwestern Ontario Transmission Line Projects has been submitted using the OEB's Regulatory Electronic Submission System.

Sincerely,



Pasquale Catalano



Southwest Ontario Transmission Line Projects

Longwood TS to Lakeshore TS Transmission Line Projects

Ontario Energy Board Progress Report
May 1, 2025 to October 31, 2025

EXECUTIVE SUMMARY

On May 24, 2022¹, the OEB requested Hydro One prepare semi-annual project update reports detailing the budget, timing and risks associated with the development of the four new transmission projects located in Southwestern Ontario (collectively, referred to as “the Projects”) in accordance with the Directive approved by the Lieutenant Governor in Council on March 31, 2022, as Order in Council (“OIC”) No. 875/2022².

This document includes the project reporting details for the period of May 1, 2025 to October 31, 2025 in relation to the development of the two new 500 kV transmission lines from Longwood Transformer Station to Lakeshore Transformer Station (Projects #2 and #3), including associated station facility expansions or upgrades required at the terminal stations. Since both Projects are distinct but have the same terminal facilities, they have been included together in this report for the purposes of maintaining regulatory efficiency. Furthermore, the Class Environmental Assessment (“Class EA”) covers both projects, thus Hydro One’s intention is to continue to prepare and submit the updates together until the Class EA is complete. Following completion of the Class EA, Hydro One will propose if it remains efficient to continue to report bi-annual progress of both projects within the same report moving forward.

For Project #2, the development work related to the Class EA and engineering design continued to progress during the reporting period. Significant milestones reached include the release of the preferred route, publication of the draft Environmental Study Report for a 30-day review period, and issuance of requests for proposal to construct both the line and stations. As part of those milestones, engagement efforts continued with landowners, rights holder and stakeholders impacted by the preferred route, including the facilitation of both virtual and in-person Community Open Houses. The major development risks for Project #2 have been identified and are being managed. These risks include the risk of delays to the Project as a result of unknown constraints being discovered late in the detailed design process, and the risk of an Order under Section 16 of the *Environmental Assessment Act*. Hydro One is continuing to work with regulators, municipalities, Indigenous communities, landowners, contractors and suppliers to manage these risks.

At this time, Project #3 remains subject to further study and direction from the IESO regarding the timing of its in-service date. Expenditures incurred to date are related to the Class EA and other project development activities aimed at reducing future construction lead times, to the extent that they are incrementally separable from Project #2; as well as activities to preserve the future transmission corridor ahead of a firm system need consistent with the IESO’s principles³.

¹ EB-2022-0142 OEB’s Letter to Hydro One on Reporting Requirements, dated May 24, 2022: <https://www.rds.oeb.ca/CMWebDrawer/Record/747758/File/document>

² Order in Council No. 875/2022, dated March 31, 2022: <https://www.oeb.ca/sites/default/files/OC-875-2022.pdf>

³ Refer to Attachment 2 of this report for the IESO’s letter regarding preserving transmission corridors.

Project Summary Table

For ease of reference, and comparison, Table 1 below provides a summary of the two individual Projects details and status. A map of Southwestern Ontario and the new transmission projects, including Projects #2 and #3, can be found at Attachment 1 to this document.

Table 1 - Summary of Project #2 and #3 – Longwood TS to Lakeshore TS Transmission Line Projects

Status	Line Name	Voltage (kV)	Length (KM)	Circuit Type	Completion	Project Stage	Actual Spent in Reporting Period
To Be Developed and Prioritized for Construction	Project #2: Longwood to Lakeshore Transmission Line (Line 1)	500 kV	Approx 120	Single	2030	Under development	\$14.23M
To Be Developed	Project #3: Longwood to Lakeshore Transmission Line (Line 2)	500 kV	Approx 120	Single	No current Timeline established	Under development. Further Study by IESO required to establish the date the project is required to be energized	\$1.13M

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BACKGROUND

On April 4, 2022⁴, the Minister of Energy issued a Directive to the OEB under section 28.6.1 of the Ontario Energy Board Act, 1998 (“OEB Act”) requiring the OEB to amend Hydro One’s electricity transmission licence to require Hydro One to develop and seek approvals for four transmission line projects located in Southwestern Ontario (collectively referred to as “the Projects”), that were approved by the Lieutenant Governor in Council on March 31, 2022, as Order in Council No. 875/2022⁵ (“Directive”). The Projects are as follows:

- **Project #1** - A new 230 kilovolt (kV) transmission line from Lambton Transformer Station to Chatham Switching Station, including associated station facility expansions or upgrades required at the terminal stations;
- **Project #2** - A new 500 kV transmission line from Longwood Transformer Station to Lakeshore Transformer Station, including associated station facility expansions or upgrades required at the terminal stations;
- **Project #3** - A second new 500 kV transmission line from Longwood Transformer Station to Lakeshore Transformer Station, including associated station facility expansions or upgrades required at the terminal stations; and
- **Project #4** - A new 230 kV transmission line that connects the Windsor area to the Lakeshore Transformer Station, including associated station facility expansions or upgrades required at the terminal stations.

The Order in Council 875/2022 accompanying the Directive states that expansion of Ontario’s transmission system is critical to provide a reliable and adequate supply of electricity to Southwestern Ontario to support economic growth in the region, including the rapidly growing agricultural sector and the potential for growth in the electric vehicle and broader automotive sectors. Furthermore, Projects #1 and #2 listed in the Directive have been declared to be needed as priority projects pursuant to section 96.1 of the OEB Act in Order in Council No. 876/2022 dated March 31, 2022⁶.

The Directive also required the OEB to amend Hydro One’s licence to include a condition that the scope and timing for the Projects accord with the recommendations of the IESO, and it also directed the OEB to require that Hydro One provide such reporting to the OEB as the OEB may consider appropriate with respect to budget, timing, and risks in relation to the development of the Projects.

⁴ Minister of Energy’s Letter to OEB, dated April 4, 2022:

<https://www.oeb.ca/sites/default/files/Letter-from-the-Minister-of-Energy-to-Dicerni-20220404.pdf>

⁵ Order in Council No. 875/2022, dated March 31, 2022: <https://www.oeb.ca/sites/default/files/OC-875-2022.pdf>

⁶ Order in Council No. 876/2022, dated March 31, 2022: <https://www.oeb.ca/sites/default/files/OC-876-2022.pdf>

On April 12, 2022⁷, Hydro One provided the OEB with the IESO's guiding recommendations for these four transmission reinforcement projects in the Southwestern Ontario Area. The recommendations are driven by two specific reports by the IESO:

1. [West of London Bulk Study – Need for Bulk System Reinforcements West of London](#) (September 2021)
2. [Windsor-Essex IRRP Addendum Report](#) (February 2022)

These IESO reports affirmed the Projects' need and identified the scope and timing of each. *The West of London Bulk Study* references these projects in Section 7.3 Near Term Recommendations (Project #1), Section 8.3 Long Term Recommendations (Projects #2 and #3) and Section 9.3 Interdependency with Regional Planning (Project #4). *The West of London Bulk Study* identified the need and timing of Project #2. Section 6.1.2 *Coordination with the West of London Bulk Plan of the Windsor-Essex IRRP Addendum Report* also references Project #4.

In a letter dated May 24, 2022⁸, the OEB requested that Hydro One prepare semi-annual reports to the OEB that provided updates on the following matters:

- Overall Project progress
- Development cost
- Development work schedule
- Risks and Issues Log
- Project scope and timing recommendations provided by the IESO.

The reports should be filed as follows:

- May 1 to October 31 for reporting in November, and
- November 1 to April 30 for reporting in May.

All reports are to be filed by the 15th business day of the month following the end of each reporting period. Consistent with this direction, Hydro One continues to file project-specific update reports for each of the projects throughout its development phase. The project reporting for the Projects #2, #3, and #4 will be addressed in separate bi-annual reports which will be filed with the OEB as a single consolidated document. The development phase and corresponding development period reporting condition for Project #1, now referred to as the St. Clair Transmission Line ("SCTL") Project, elapsed with the filing of Hydro One's leave to construct application for that project. The OEB has since approved that sought relief.⁹ Hydro One will no longer detail the SCTL Project in these bi-annual development period reports on a go-forward basis.

⁷ EB-2022-0142 Hydro One's Letter to OEB, dated April 12, 2022:

<https://www.rds.oeb.ca/CMWebDrawer/Record/745384/File/document>

⁸ EB-2022-0142 OEB's Letter to Hydro One on Reporting Requirements, dated May 24, 2022:

<https://www.rds.oeb.ca/CMWebDrawer/Record/747758/File/document>

⁹ EB-2024-0155 St. Clair Transmission Line - OEB Decision and Order, dated December 10, 2024:

<https://www.rds.oeb.ca/CMWebDrawer/Record/875410/File/document>

Hydro One's OEB-Approved Affiliate Transmission Projects Regulatory Account

On October 7, 2021, the OEB approved Hydro One's application for an accounting order to establish a new regulatory account, the Affiliate Transmission Projects ("ATP") Account. The ATP Account will be used for a transmission line project where:

1. Hydro One has, or will, receive a letter from the IESO identifying transmission system needs, and/or an Order in Council or direction from the Minister of Energy for the development or construction of a transmission line project and,
2. All or part of the transmission line project is expected to be owned by and included in the rate base of a new partnership, as a licensed transmitter, such that costs included in the ATP Account Project will not form part of Hydro One's rate base.

The four new transmission line projects, two of which are reported on in this document, are expected to be owned by a new partnership, as a licenced transmitter, such that costs included in the ATP Account for the Project will not form part of Hydro One's rate base. On July 8, 2022¹⁰, Hydro One notified the OEB that it intends to begin using the ATP Account for tracking the line costs of these projects in the same manner as those already approved in EB-2021-0169.

Conversely, the associated station work for the Projects is expected to form part of Hydro One's future transmission rate base. Once the project is in-serviced, and for any Project station work not sufficiently forecast and included in Hydro One's OEB-approved transmission revenue requirement, Hydro One intends to use its OEB-approved Externally Driven Work Account¹¹ ("EDWA") to record any such revenues for recovery. The EDWA would be used until such time the station assets and associated facilities can be included in Hydro One's rate base.

¹⁰ EB-2022-0142 Hydro One's ATP Account Notification Letter to the OEB, dated July 8, 2022: <https://www.rds.oeb.ca/CMWebDrawer/Record/750584/File/document>

¹¹ Hydro One's EDWA was granted by the OEB as part of the JRAP Settlement (EB-2021-0110). This account records the revenue requirement impact of mandatory transmission work required by governmental authorities.

PROJECT REPORT

Project 2 – New 500 kV Transmission Line from Longwood TS to Lakeshore TS

The project, identified as Project #2 in the listing above, is also known as “Line 1”, the first circuit contemplated between Longwood TS to Lakeshore TS. The Directive to Hydro One called for two new 500 kV transmission lines between these two stations.

OVERALL PROGRESS

In the IESO’s “*Need for Bulk System Reinforcements West of London*” report, among other things, the IESO identified a need for a new 500kV single-circuit transmission line from Longwood TS to Lakeshore TS (known as “Line 1”) with a planned in-service of 2030. In the same report, the IESO also indicated a second 500 kV single-circuit transmission line (known as “Line 2”), should be considered as an option to address higher growth. The two projects are expected to have different construction and in-service timelines. Pursuant to Order in Council 875/2022, Hydro One was directed to undertake development work for both transmission lines, including all necessary steps to seek the required approvals. Via a subsequent Order in Council 876/2022, the Government declared Line 1 a priority project, and designated Hydro One as the transmitter.

To better coordinate rights-holder and stakeholder consultations, Hydro One commenced the development work consisting of environmental assessment activities and consultations for both Line 1 and Line 2 concurrently. However, at this time Hydro One expects it will seek separate OEB Leave to Construct approvals for each line, starting with Line 1. As part of ongoing regional and bulk planning assessments, the IESO is expected to determine the timing of Line 2 in the future. When further details are known, Hydro One will include those details in future Project reporting.

Hydro One began development work in October 2022 and continues to proceed with development work for Line 1, as well as Line 2 activities which are a subset of the overall Line 1 activities. The following summarizes the work that was undertaken within the reporting period of May 1, 2025 to October 31, 2025.

Environmental Assessment

Hydro One continues to proceed with development work for these Projects. In consultation with the IESO, and with their support, Hydro One is proceeding with the Class EA for both Line 1 and Line 2 to shorten the overall Project lead time required to have the assets ready to be in service to meet the electricity capacity needs defined by the IESO..

During the period May 2025 to October 2025 Hydro One continued to progress the Class EA with a focus on:

- Public notification of the preferred route in May 2025;
- Seeking input from rights-holders and stakeholders on the preferred route;

- Further technical analysis of the route alternatives resulting in minor additional refinements;
- Preferred route field work including natural environment and archaeological surveys;
- Preparing and releasing the draft Environmental Study Report for review and comment from September 15 to October 15, 2025; and
- Responding to comments received on the draft Environmental Study Report.

Key engagement activities that occurred during this reporting period include:

- Technical Advisory Committee Workshop held on May 14, 2025 to provide an update on the Project and present the preferred route;
- One virtual Community Open House (“COH”) hosted on May 15, 2025 to provide a project update and present the preferred route;
- A project update distributed via email to the project contact list on May 28, 2025 to highlight ongoing environmental and technical field surveys to support line design and a reminder of the upcoming COHs;
- Four in-person COHs in Chatham, Tilbury, Thamesville and Glencoe on June 4, 5, 11, and 12, 2025 respectively to provide a project update and present the preferred route; and
- Numerous meetings with potentially impacted stakeholders, including for example municipalities and interest groups, as well as impacted landowners.

Ongoing consultation and engagement are being performed with ten Indigenous communities, government agencies, the public and other interested parties with a focus on impacted landowners. Capacity, in the form of funding and training, is being provided to Indigenous communities to assure opportunity for extensive participation and consultation in the Project. Key engagement activities during this reporting period included:

- an Indigenous Technical Advisory Committee Workshop held on June 6, 2025 to provide an update on the Project and present the preferred route;

The Class EA process is expected to continue through early 2026, with the near-term focus on responding to comments received on the draft Environmental Study Report and finalization of the Environmental Study Report.

Engineering and Design

To support of the Project’s development phase activities for the transmission line engineering and design work, Hydro One contracted the services of two Engineering Procurement and Construction (“EPC”) contractors to participate in an Early Contractor Involvement (“ECI”) procurement model.

During this reporting period, preliminary engineering and design for the line work continued, including the finalization of the design basis, and the initiation of preliminary construction planning. Engineering and design work also continued for the expansion of two of Hydro One’s transmission

stations, i) Longwood TS, and ii) Lakeshore TS, to support the need for Line 1. Furthermore, Hydro One sought an RFP for engineering, procurement and construction of Line 1, as well as a separate RFP for the stations' work at Longwood TS and Lakeshore TS.

The engineering and design work is expected to continue through 2026 with the near-term focus on the evaluation and selection of contractors for the transmission line and stations.

COSTS

Consistent with the Order in Council for this Project, and the timing requirements for its delivery, Hydro One has commenced development work for the Project. Table 2 below summarizes the Project development costs incurred against that overall budget for the current reporting period.

Table 2 - Project Development Costs – Longwood TS to Lakeshore TS (Line 1)

	Actuals Spent		Forecast Budget Variance ¹²						
	A	B	C	D	E	F	G	H	I
	Spent this Reporting Period ¹³ (Millions)	Total Spent to Date (Millions)	Budget per April 2025 Report ¹⁴ (Millions)	Forecast Budget Change from Last Report (Millions)	Forecast Budget Change from Last Report (%)	Revised Total Budget (Millions)	G = F - B Budget Remaining (Millions)	H = G/F * 100 Budget Remaining (%)	Reasons for Change
Real Estate	\$7.08	\$8.18	\$28.10	n/a	n/a	n/a	\$19.91	71%	n/a
Engineering and Design	\$3.09	\$12.14	\$14.90	n/a	n/a	n/a	\$2.76	19%	n/a
Environmental Approvals	\$1.31	\$4.90	\$11.30	n/a	n/a	n/a	\$6.40	56%	n/a
Indigenous Consultation	\$0.31	\$2.08	\$6.90	n/a	n/a	n/a	\$4.82	70%	n/a
Project Management	\$1.27	\$3.91	\$7.40	n/a	n/a	n/a	\$3.49	47%	n/a
Contingency	\$0.00	\$0.00	\$8.20	n/a	n/a	n/a	\$8.20	100%	n/a
Other Consultation	\$0.25	\$3.38	\$7.20	n/a	n/a	n/a	\$3.82	53%	n/a
Interest and Overhead	\$0.92	\$2.36	\$7.20	n/a	n/a	n/a	\$4.85	67%	n/a
Total ¹⁵	\$14.23	\$36.95	\$91.20	n/a	n/a	n/a	\$54.25	60%	n/a

¹² The Budget Remaining shown in Column G is the delta between Column C and Column B, similarly the percentage shown in Column H is Column G divided by Column C.

¹³ Actual Spent amounts for this reporting period shown in Column A reflects the OEB's direction that the report should cover the period from May 1, 2025 to October 31, 2025.

¹⁴ Budget amounts shown in *Column C* are the total project development work budget as noted in the previous reporting cycle.

¹⁵ Total amounts may not add as values represented with two decimal place have been rounded.

PROJECT DEVELOPMENT WORK SCHEDULE

In the IESO “Need for Bulk System Reinforcements West of London” report issued in September 2021, the IESO indicated that the Longwood TS to Lakeshore TS Transmission Line (Project #2) would be required to be in service by 2030. Hydro One has built out a development schedule with the goal of filing the leave to construct application in 2026, which will allow time to construct and in-service the line by the need date. Table 3 presents the key milestones involved in completing development work. Additionally, Hydro One notes that Table 3 has been revised to only reflect project development work milestones in accordance with the OEB’s reporting requirements.

Table 3 - Project Development Work Schedule – Longwood TS to Lakeshore TS (Line 1)

Milestones	Schedule	Completed	Adjusted To
Notice of Commencement of Terms of Reference (TOR)	February 2023	February 27 to March 3, 2023. (With pre-release to Indigenous Communities and key stakeholders occurring February 13 to February 24, 2023)	-
Community Open House #1	March 2023	March 21, 22, 23, 29, 30, 2023	-
Virtual Open House #1	April 2023	April 13, 2023	-
Data collection, and development of route alternatives	From Early 2023 to Late 2023	Route Alternatives shared publicly in NoC of Class EA in March 2024.	-
Notice of Commencement of Class EA	March 2024	Distribution began the week of March 4, 2024	-
Community Open House #2	Early 2024	March 26 and 27, 2024, and April 3 and 4, 2024	-
Virtual Open House #2	Early 2024	April 24, 2024	-
Consultation and data collection in support of the Class EA	2024 - 2025	Ongoing	-
Route Refinements	Late 2024	Route refinements shared publicly in October 2024	-
Community Open House #3	November 2024	November 19, 20, 27, 28, 2024	-
Notice of Preferred Route	Early-mid 2025	Distribution began the week of May 6, 2025	-
Virtual Community Open House #4	*	May 15, 2025	-
Community Open House #4	*	June 4, 5, 11, 12, 2025	-
Publish the draft Environmental Study Report (ESR) for public review	Fall 2025	Public Review Period from September 15 – October 15, 2025	-
Submit Final ESR and complete the Class EA process	Early 2026	-	-
Leave to Construction (Section 92) application	2026	-	-

* Represents new milestones that were not reflected in the previous reporting periods.

RISKS AND ISSUES LOG

The Project is being monitored continually for risks and risk mitigation implemented as a matter of routine activity by the Project team. A list of major development risks actively being managed is presented below.

- There is a risk of delay to the Project as a result of unknown constraints being discovered late in the detailed design process. To mitigate this risk, Hydro One is conducting an extensive consultation program to seek local information from landowners, as well as undertaking natural environment and technical surveys to minimize route refinements late in the process.
- There's a risk of delay to the Project as a result of Section 16 Order requests. To mitigate this risk, Hydro One continues to offer engagement opportunities with Indigenous communities proximate to the Project's EA study area, which includes offering the provision of capacity funding to potentially impacted communities, to support these consultation activities and involvement in the EA process. In addition, upon request, Hydro One provided an extension to the draft Environmental Study Report review period to November 14, 2025 to all Indigenous communities.

Project execution risks will be identified at a later date and will be included in Hydro One's Leave to Construct application that will be submitted to the OEB.

PROJECT SCOPE AND TIMING RECOMMENDATIONS PROVIDED BY THE IESO

Should the IESO provide updates to the scope and/or timing recommendations to Hydro One for Project #2 (Line 1), those details will be provided to the OEB and summarized in this section of the Report going forward. Information in this section will reflect any update(s) provided to Hydro One within the semi-annual reporting period to which the report pertains.

Updates - Nothing to report during the period.

PROJECT REPORT

Project 3 - A second new 500 kV transmission line from Longwood TS to Lakeshore TS

The Project, identified as Project #3 in the listing above, is also known as “Line 2”, the second circuit contemplated between Longwood TS to Lakeshore TS. The Directive to Hydro One called for two new 500 kV transmission lines between these two stations.

OVERALL PROGRESS

In the IESO’s “*Need for Bulk System Reinforcements West of London*” report, among other things, the IESO identified a need for a new 500kV single-circuit transmission line from Longwood TS to Lakeshore TS (known as “Line 1”) with a planned in-service of 2030. In the same report, the IESO also indicated a second 500 kV single-circuit transmission line (known as “Line 2”) should be considered as an option to address higher growth.

Pursuant to Order in Council 875/2022, Hydro One was directed to undertake development work for both transmission lines, including all necessary steps to seek the required approvals. In alignment with this directive, and to better coordinate rights-holder and stakeholder consultations, Hydro One commenced development work consisting of EA activities and consultation for both Line 1 and Line 2 concurrently. Therefore, Line 2 development activities consist of a subset of overall Line 1 activities, as listed in the Line 1 project update above.

Additionally, the IESO has highlighted the importance of preserving future transmission corridors to optimize future system benefits, support economic development and electrification, and ensure the province is positioned to meet long-term electricity system needs. This position is documented in Attachment 2 to this report. In response, Hydro One has initiated measures during this reporting period to preserve the future transmission corridor for Line 2, including the commencement of real estate engagement and consultation with impacted landowners following the preferred route announcement, presentation of the Land Acquisition Compensation Principles to those landowners, and the securing of limited access rights for non-intrusive activities.

As regional and bulk planning continues, the IESO is expected to determine the need timing of Line 2. When further details are known, Hydro One will include those details in future Project reporting.

Environmental Assessment

Given the joint nature of the Class EA for Line 1 and Line 2, all updates associated with the environmental assessment are the same as those detailed in Line 1 update above.

Engineering and Design

As noted in the Line 1 update above, the engineering and design work continues for the line and expansion of two of Hydro One’s transmission stations, i) Longwood TS, and ii) Lakeshore TS, to

support the need for Line 1. No distinct engineering and design activities for Line 2, separate to that from Line 1, has occurred to date.

COSTS

Following the preferred route announcement in May, Hydro One has determined a preliminary development budget for Line 2. This budget reflects the incremental subset of development activities related to Line 2 that are distinguishable from Line 1, including efforts to preserve the future transmission corridor for Line 2. Hydro One intends to finalize a total project-specific development budget once there is greater clarity from the IESO on the project scope and in-service timing.

Table 4 - Project Development Costs – Longwood TS to Lakeshore TS (Line 2)

	Actuals Spent		Forecast Budget Variance ¹⁶						
	A	B	C	D	E	F	G	H	I
	Spent this Reporting Period ¹⁷ (Millions)	Total Spent to Date (Millions)	Budget ¹⁸ (Millions)	Forecast Budget Change from Last Report (Millions)	Forecast Budget Change from Last Report (%)	Revised Total Budget (Millions)	G = F - B Budget Remaining (Millions)	H = G/F * 100 Budget Remaining (%)	Reasons for Change
Real Estate	\$1.08	\$1.10	\$7.10	n/a	n/a	n/a	\$6.00	85%	n/a
Engineering and Design	\$0.00	\$0.00	\$0.00	n/a	n/a	n/a	\$0.00	n/a	n/a
Environmental Approvals	\$0.00	\$0.27	\$0.30	n/a	n/a	n/a	\$0.03	10%	n/a
Indigenous Consultation	\$0.00	\$0.00	\$0.00	n/a	n/a	n/a	\$0.00	n/a	n/a
Project Management	\$0.01	\$0.05	\$0.30	n/a	n/a	n/a	\$0.25	83%	n/a
Contingency	\$0.00	\$0.00	\$1.00	n/a	n/a	n/a	\$1.00	100%	n/a
Other Consultation	\$0.00	\$0.08	\$0.40	n/a	n/a	n/a	\$0.32	80%	n/a
Interest and Overhead	\$0.05	\$0.12	\$0.50	n/a	n/a	n/a	\$0.38	76%	n/a
Total¹⁹	\$1.13	\$1.62	\$9.60	n/a	n/a	n/a	\$7.98	83%	n/a

¹⁶ The Budget Remaining shown in Column G is the delta between Column C and Column B, similarly the percentage shown in Column H is Column G divided by Column C.

¹⁷ Actual Spent amounts for this reporting period shown in Column A reflects the OEB's direction that the report should cover the period from May 1, 2025 to October 31, 2025.

¹⁸ The Budget amounts shown in Column C reflect only for the distinctive development activities for Line 2 including the preservation of the future transmission corridor. The total development budget for Project #3 will be determined after obtaining clarity on the Line 2 need timing.

¹⁹ Total amounts may not add as values represented with two decimal place have been rounded.

PROJECT DEVELOPMENT WORK SCHEDULE

A separate Project Schedule has not been developed for Line 2 at this time. Key interface activities and milestones for Line 2 have been included in Line 1 schedule above, as most activities currently planned are not separable from Line 1. Currently Line 2 has no defined in-service date. The Class EA work for both Projects is being undertaken concurrently, (i.e., study areas for Line 1 and Line 2) and is effectively identical, at this stage of the development for both projects. Work in common is identified in the Table 3 Project Schedule above, with the exception of the Leave to Construct (Section 92) application for Line 2, which will be planned once the IESO establishes a required in-service date.

RISKS AND ISSUES LOG

The risks for the EA stage of this Project are the same risks as those noted above for Line 1. Risks for further stages of the Project development work will be identified as the Project progresses.

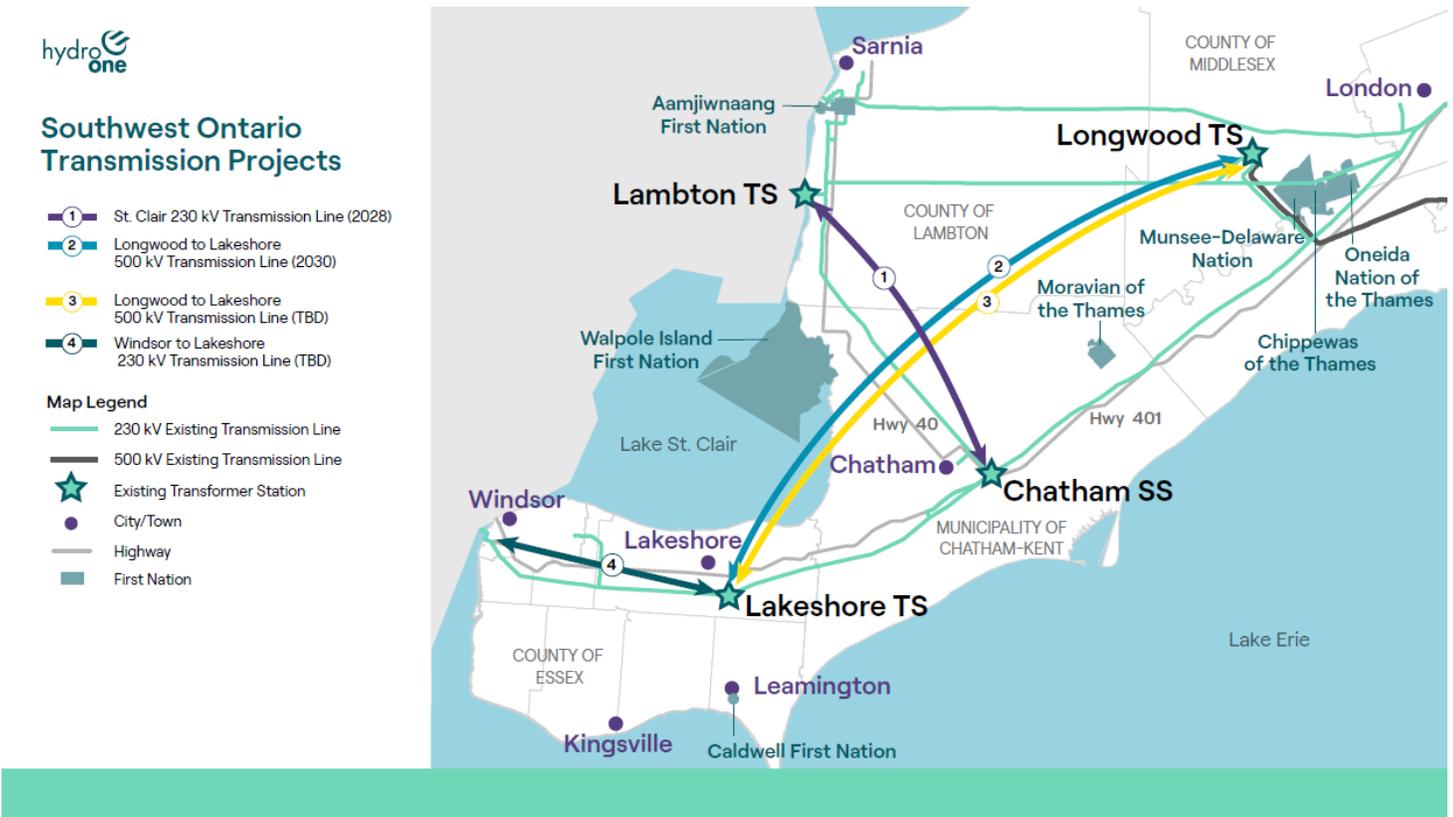
PROJECT SCOPE AND TIMING RECOMMENDATIONS PROVIDED BY THE IESO

Should the IESO provide updates to the scope and/or timing recommendations to Hydro One for Project #3, those details will be provided to the OEB and summarized in this section of the Report going forward. Information in this section will reflect any update(s) provided to Hydro One within the semi-annual reporting period to which the report pertains.

Updates - On August 14, 2025, the IESO issued a letter to Hydro One with the IESO's current position on the long-term strategic importance of the second Longwood to Lakeshore 500 kV transmission line ("Line 2") and guiding principles for identification of corridors for preservation. The IESO highlighted that actions to support the preservation of sufficient land and optionality are viewed as necessary to optimize future system benefits, enable economic development and electrification within the province, and ultimately support meeting long-term electricity system needs. The IESO further requested that Hydro One consider this information when undertaking the ongoing work for Line 1 with respect to opportunities for corridor preservation for Line 2. As regional and bulk planning continues, the IESO is expected to provide more project definition, scope, and in-service timing with respect to Line 2. Hydro One will include these details in future project reporting when details become available.

ATTACHMENT 1 Map of the New Transmission Lines in Southwestern Ontario

Of the four transmission lines included in the Map of the *Southwestern Ontario Transmission Projects*, the Projects whose information is included in this bi-annual report are for Project's #2 and #3, and are circuits planned to span between Longwood TS and Lakeshore TS. Project's #2 and #3 are also referred to in this report as Line 1 and Line 2, due to the different execution and in-service expectations.



ATTACHMENT 2
Letter from the IESO to Hydro One, dated August 14, 2025



Independent Electricity System Operator

1600-120 Adelaide Street West
Toronto, ON M5H 1T1
t 416.967.7474

www.ieso.ca

August 14, 2025

Robert Reinmuller
Vice President, Transmission System Planning and Large Customer Accounts
Hydro One Networks Inc.
483 Bay Street, 13A Floor
Toronto, ON M5G 2P5

Dear Robert:

Re: Potential Longwood to Lakeshore second 500 kV transmission line

This letter describes the IESO's current position on the long-term strategic importance of the second Longwood to Lakeshore 500 kV transmission line ("Line 2"). The IESO requests that Hydro One Networks Inc. (HONI) consider the information included in this letter when undertaking the ongoing work for Line 1 of the Longwood to Lakeshore Transmission Line Project with respect to opportunities for corridor preservation for Line 2.

While the IESO has not identified a need date for Line 2 at this time, previous studies point to the need for additional supply into Windsor-Essex region under high forecast demand scenarios. The IESO is currently undertaking a [South and Central Bulk Plan](#), which, among other objectives, will review the need timing for Line 2 and identify necessary land preservation activities, such as corridor studies, to meet needs emerging between 2035 and the early 2040s and continue to support economic development in the Windsor-Essex region. The South and Central Bulk Plan is expected to be published in early 2026.

Background

The IESO's [2021 West of London Bulk Plan](#) recommended a single-circuit 500 kV transmission line from Longwood TS to Lakeshore TS, required to be in-service by 2030. That study also recommended preserving space for a future additional single circuit 500 kV transmission line to continue to supply the area if the load grows beyond the reference demand scenario. Subsequently, an [Order in Council No. 875/2022](#) and associated [directive](#) to the Ontario Energy Board (OEB) directed the OEB to amend HONI's license to require HONI to develop and seek approvals related to the construction, expansion or reinforcement of its transmission system for a number of transmission reinforcements, including:

- A new 500 kV transmission line from Longwood Transformer Station to Lakeshore Transformer Station, including associated station facility expansions or upgrades required at the terminal stations ("Line 1"), and
- A second new 500 kV transmission line from Longwood Transformer Station to Lakeshore Transformer Station, including associated station facility expansions or upgrades required at the terminal stations ("Line 2").

The directive stipulated that the scope and timing for the transmission line projects shall be in accordance with the recommendations of the IESO.

Potential Need for Additional Supply

The recommendations of the 2021 West of London Bulk Plan addressed the supply capacity needs in the area until 2035, which indicated the need for Line 1 by 2030.

The recently completed Windsor-Essex Integrated Regional Resource Plan (IRRP), released on April 3, 2025, developed two forecasts for 2025 to 2043:

- "Planning Scenario" derived from firm loads (current and planned), organic growth, residential, electrification, community energy plans, greenhouse growth, and industrial growth.
- "High Scenario" built upon the Planning Scenario and further incorporated potential demand growth that is less certain, in terms of timelines, magnitude and location.

The Planning Scenario did not identify the need for additional transmission supply capacity into the area within the planning period of the Windsor-Essex IRRP (2025-2043). However, the High Scenario indicated a potential need prior to the 2040s.

In alignment with the government's [Powering Ontario's Growth](#) report, [subsequent letter](#) and [Integrated Energy Plan](#) the IESO is currently undertaking a number of bulk plans identifying suitable corridors for future transmission lines that may be required to support economic development and advance the energy transition. Southwestern Ontario is encompassed in the IESO's ongoing South and Central Bulk Plan. The objectives of this plan are to enable growth in demand, particularly along the Windsor to Hamilton corridor and within the GTA, from economic development, electrification and fuel switching, to enable future resource connections, as well as investigate opportunities to preserve new or expanded corridors. This last objective includes identifying necessary land preservation activities, such as corridor studies. This is reinforced in Chapter 3 of the [Integrated Energy Plan](#), regarding the need for early planning to identify and protect future transmission corridors in fast-growing regions.

One such corridor has been identified for Line 2 through HONI's Environmental Assessment of the Longwood to Lakeshore Transmission Line Project. Line 2 is one option currently being evaluated by the IESO through the ongoing South and Central Bulk Plan to meet the identified needs emerging between 2035 and the early 2040s. This plan is expected to be completed by the end of the year, which will include recommendations for reinforcements to meet the overall objectives of the plan, along with recommendations to preserve long-term reinforcement options (i.e., through corridor studies and other means) where needed.

Principles for Identification of Corridors for Preservation

Studying and preserving future transmission corridors ahead of firm system needs materializing is vital to enabling economic development and ensuring transmission will be available when needed to cost-effectively support the energy transition.

Generally, the IESO's current view is the following principles should inform a decision to protect a corridor for future use for transmission line(s):

- The potential for competing land uses along and adjacent to the future corridor in the near-, medium- and long-term.
- The unique advantages the future corridor may offer in terms of its ability to make use of existing rights of way, real estate assets, and connections to existing transmission stations, or high-value sites for future baseload resources.
- The identified need for near- or medium-term transmission development in the corridor, offering an opportunity to take a holistic view on the corridor's full potential over the longer-term, and to understand and communicate the potential extent of the land-use requirements to those impacted.
- Forecasts and/or scenarios of future system needs and resulting bulk and regional plans that support the potential of a future corridor to address needs should they arise.

Next Steps

The IESO will finalize the South and Central Bulk Plan to identify an updated need timing for Line 2 by early 2026. The IESO will also continue to work with the Ministry of Energy and Mines to support HONI in preserving the corridor.

The IESO requests that for any ongoing projects HONI may have, including the development of Line 1 and 2, HONI give consideration to this letter and the future use as described in this letter (e.g., corridor width, structuring of real estate rights, etc.) of the corridor. Actions to support the preservation of sufficient land and optionality are currently viewed as necessary to optimizing future system benefits, enabling economic development and electrification within the province, and ultimately supporting meeting long-term electricity system needs.

The views expressed herein represent the IESO's position as of the date of this letter and are based on information currently available to the IESO and on reasonable assumptions associated therewith, including related to future forecasts of electricity supply and demand. The IESO's position is subject to change based on changing information and underlying assumptions.

Yours truly,



Beverly Nollert,

Director, Transmission Planning,
Independent Electricity System Operator (IESO)



Southwest Ontario Transmission Line Projects

Windsor Lakeshore Power Line Project (Lauzon TS x Lakeshore TS)

Ontario Energy Board Progress Report
May 1, 2025 to October 31, 2025

EXECUTIVE SUMMARY

On May 24, 2022¹, the Ontario Energy Board (“OEB”) requested Hydro One prepare semi-annual project update reports detailing the budget, timing and risks associated with the development of the four new transmission projects located in Southwestern Ontario (collectively, referred to as “the Projects”) in accordance with the Directive approved by the Lieutenant Governor in Council on March 31, 2022, as Order in Council (“OIC”) No. 875/2022².

This document includes the project reporting details for the period of May 1, 2025 to October 31, 2025 in relation to the Windsor Lakeshore Power Line (“WLPL”) Project, the fourth outlined project in that OEB request, described as a new 230 kV transmission line that will connect the Windsor area to the Lakeshore Transformer Station, including associated station facility expansions or upgrades required at the terminal stations.

Project #4 is in the early stages of development work following the issuance of the IESO’s Windsor-Essex Integrated Regional Resource Plan (“IRRP”) report³, which further reinforced the OIC Directive and recommended to build a new 230 kV double-circuit transmission line from Lakeshore TS to Lauzon TS with a 2032 need date. Hydro One has commenced preliminary environmental work in preparation for the Notice of Commencement of the Class Environmental Assessment (“Class EA”) and undertaken some preliminary engineering and design work. The major development risks have been identified and Hydro One is working with regulators, municipalities, Indigenous communities, and landowners to manage these risks.

Project Summary Table

For ease of reference, and comparison, Table 1 below provides a summary of the Project details and status. A map of Southwestern Ontario and the new transmission projects, including Project #4, can be found at Attachment 1 to this document.

Table 1 - Summary of Project #4 - Windsor Lakeshore Power Line Project

Status	Line Name	Voltage (kV)	Length (km)	Circuit Type	Completion	Project Stage	Actual Spent in Reporting Period
To Be Developed	Windsor Lakeshore Power Line	230 kV	32 ⁴	Double	2032	Development underway	\$0.86M

¹ EB-2022-0142 OEB’s Letter to Hydro One on Reporting Requirements, dated May 24, 2022: <https://www.rds.oeb.ca/CMWebDrawer/Record/747758/File/document>

² Order in Council No. 875/2022, dated March 31, 2022: <https://www.oeb.ca/sites/default/files/OC-875-2022.pdf>

³ IESO’s Windsor-Essex Integrated Regional Resource Plan report, dated April 3, 2025:

<https://ieso.ca/-/media/Files/IESO/Document-Library/regional-planning/Windsor-Essex/Windsor-Essex-2025-IRRP.pdf>

⁴ The circuit length is an estimate only. The circuit’s actual proposed length will be a function of the preferred route selected, which has not yet been completed.

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BACKGROUND

On April 4, 2022⁵, the Minister of Energy issued a Directive to the OEB under section 28.6.1 of the Ontario Energy Board Act, 1998 (“OEB Act”) requiring the OEB to amend Hydro One’s electricity transmission licence to require Hydro One to develop and seek approvals for four transmission line projects located in Southwestern Ontario, that were approved by the Lieutenant Governor in Council on March 31, 2022, as Order in Council No. 875/2022⁶ (“Directive”). The Projects are as follows:

- **Project #1** - A new 230 kilovolt (kV) transmission line from Lambton Transformer Station to Chatham Switching Station, including associated station facility expansions or upgrades required at the terminal stations;
- **Project #2** - A new 500 kV transmission line from Longwood Transformer Station to Lakeshore Transformer Station, including associated station facility expansions or upgrades required at the terminal stations;
- **Project #3** - A second new 500 kV transmission line from Longwood Transformer Station to Lakeshore Transformer Station, including associated station facility expansions or upgrades required at the terminal stations; and
- **Project #4** - A new 230 kV transmission line that connects the Windsor area to the Lakeshore Transformer Station, including associated station facility expansions or upgrades required at the terminal stations.

The Order in Council 875/2022 accompanying the Directive states that expansion of Ontario’s transmission system is critical to provide a reliable and adequate supply of electricity to Southwestern Ontario to support economic growth in the region, including the rapidly growing agricultural sector and the potential for growth in the electric vehicle and broader automotive sectors. Furthermore, Projects #1 and #2 listed in the Directive have been declared to be needed as priority projects pursuant to section 96.1 of the OEB Act in Order in Council No. 876/2022 dated March 31, 2022⁷.

The Directive also required the OEB to amend Hydro One’s licence to include a condition that the scope and timing for the Projects accord with the recommendations of the IESO, and it also directed the OEB to require that Hydro One provide such reporting to the OEB as the OEB may consider appropriate with respect to budget, timing, and risks in relation to the development of the Projects.

⁵ Minister of Energy’s Letter to OEB, dated April 4, 2022: <https://www.oeb.ca/sites/default/files/Letter-from-the-Minister-of-Energy-to-Dicerni-20220404.pdf>

⁶ Order in Council No. 875/2022, dated March 31, 2022: <https://www.oeb.ca/sites/default/files/OC-875-2022.pdf>

⁷ Order in Council No. 876/2022, dated March 31, 2022: <https://www.oeb.ca/sites/default/files/OC-876-2022.pdf>

On April 12, 2022⁸, Hydro One provided the OEB with the IESO's guiding recommendations for these four transmission reinforcement projects in the Southwestern Ontario Area. The recommendations are driven by two specific reports by the IESO:

1. [West of London Bulk Study – Need for Bulk System Reinforcements West of London](#) (September 2021)
2. [Windsor-Essex IRRP Addendum Report](#) (February 2022)

These IESO reports affirmed the Projects' need and identified the scope and timing of each. *The West of London Bulk Study* references these projects in Section 7.3 Near Term Recommendations (Project #1), Section 8.3 Long Term Recommendations (Projects #2 and #3) and Section 9.3 Interdependency with Regional Planning (Project #4). The *West of London Bulk Study* identified the need and timing of Project #2. Section 6.1.2 *Coordination with the West of London Bulk Plan of the Windsor-Essex IRRP Addendum Report* also references Project #4.

In a letter dated May 24, 2022⁹, the OEB requested that Hydro One prepare semi-annual reports to the OEB that provided updates on the following matters:

- Overall Project progress
- Development cost
- Development work schedule
- Risks and Issues Log
- Project scope and timing recommendations provided by the IESO.

The reports should be filed as follows:

- May 1 to October 31 for reporting in November, and
- November 1 to April 30 for reporting in May.

All reports are to be filed by the 15th business day of the month following the end of each reporting period. Consistent with this direction, Hydro One continues to file project-specific update reports for each of the projects throughout its development phase. The project reporting for Projects #2, #3, and #4 will be addressed in separate bi-annual reports, which will be filed with the OEB as a single consolidated document. The development phase and corresponding development period reporting condition for Project #1, now referred to as the St. Clair Transmission Line ("SCTL") Project, elapsed with the filing of Hydro One's leave to construct application for that project. The OEB has since approved that sought relief.¹⁰ Hydro One will no longer detail the SCTL Project in these bi-annual development period reports on a go-forward basis.

⁸ EB-2022-0142 Hydro One's Letter to OEB, dated April 12, 2022:

<https://www.rds.oeb.ca/CMWebDrawer/Record/745384/File/document>

⁹ EB-2022-0142 OEB's Letter to Hydro One on Reporting Requirements, dated May 24, 2022:

<https://www.rds.oeb.ca/CMWebDrawer/Record/747758/File/document>

¹⁰ EB-2024-0155 St. Clair Transmission Line - OEB Decision and Order, dated December 10, 2024:

<https://www.rds.oeb.ca/CMWebDrawer/Record/875410/File/document>

Hydro One's OEB-Approved Affiliate Transmission Projects Regulatory Account

On October 7, 2021, the OEB approved Hydro One's application for an accounting order to establish a new regulatory account, the Affiliate Transmission Projects ("ATP") Account. The ATP Account will be used for a transmission line project where:

1. Hydro One has, or will, receive a letter from the IESO identifying transmission system needs, and/or an Order in Council or direction from the Minister of Energy for the development or construction of a transmission line project and,
2. All or part of the transmission line project is expected to be owned by and included in the rate base of a new partnership, as a licensed transmitter, such that costs included in the ATP Account Project will not form part of Hydro One's rate base.

The four new transmission line projects, one of which is reported on in this document, are expected to be owned by a new partnership, as a licenced transmitter, such that costs included in the ATP Account for the Project will not form part of Hydro One's rate base. On July 8, 2022¹¹, Hydro One notified the OEB that it intends to begin using the ATP Account for tracking the line costs of these projects in the same manner as those already approved in EB-2021-0169.

Conversely, the associated station work for the Project is expected to form part of Hydro One's future transmission rate base. Once the project is in-serviced, and for any Project station work not sufficiently forecast and included in Hydro One's OEB-approved transmission revenue requirement, Hydro One intends to use its OEB-approved Externally Driven Work Account¹² ("EDWA") to record any such revenues for recovery. The EDWA would be used until such time the station assets and associated facilities can be included in Hydro One's rate base.

¹¹ EB-2022-0142 Hydro One's ATP Account Notification Letter to the OEB, dated July 8, 2022:

<https://www.rds.oeb.ca/CMWebDrawer/Record/750584/File/document>

¹² Hydro One's EDWA was granted by the OEB as part of the JRAP Settlement (EB-2021-0110). This account records the revenue requirement impact of mandatory transmission work required by governmental authorities.

PROJECT REPORT

Project 4: Windsor Lakeshore Power Line Project

OVERALL PROGRESS

In the IESO's Windsor-Essex IRRP report¹³, among other things, the IESO recommended to build a new 230 kV double-circuit transmission line from Lakeshore TS to Lauzon TS to meet the supply capacity need in 2032 and support future growth in the area. This recommendation is in line with the scope of the Minister of Energy's existing direction¹⁴ that Hydro One develop and seek approvals for a new 230 kV transmission line that connects the Windsor area to the Lakeshore Transformer Station, including associated station facility expansions or upgrades required at the terminal stations.

Hydro One began development work in May 2025 and continues to proceed with preliminary development activities including: initial planning work, identification of environmental study area and routing alternatives, and commencement of preliminary engineering and design. The following summarizes the work that was undertaken within the reporting period of May 1, 2025 to October 31, 2025.

Environmental Assessment

Hydro One released the Request for Proposal ("RFP") and awarded a contract for the environmental consultant support required to explore various route options and undertake the Class EA.

The Class EA process is expected to continue through 2026 and 2027, with the near-term focus on the Notice of Commencement and the subsequent Community Open Houses to present the project and route alternatives being studied.

Engineering and Design

In support of the Project's development phase activities Hydro One is undertaking an extensive competitive procurement process to engage the services of two Engineering Procurement and Construction ("EPC") contractors as part of an Early Contractor Involvement ("ECI") procurement model. Hydro One issued the RFP for the ECI in September 2025 and is expecting to select and award the contract by end of the year. The ECI model will:

- Provide preliminary design and engineering information into the environmental assessment and Hydro One's overall development of the Project; and

¹³ IESO's Windsor-Essex Integrated Regional Resource Plan report, dated April 3, 2025:

<https://ieso.ca/-/media/Files/IESO/Document-Library/regional-planning/Windsor-Essex/Windsor-Essex-2025-IRRPP.pdf>

¹⁴ Order in Council No. 875/2022, dated March 31, 2022: <https://www.oeb.ca/sites/default/files/OC-875-2022.pdf>

- Identify opportunities for innovation in design, materials, and procurement early in the Project to enable the development of the optimal project delivery solution.

Preliminary engineering and design work has also begun for the expansion of two Hydro One transmission stations, i) Lauzon TS and ii) Lakeshore TS, including the preparation of the Technical Information Package required to support the development work.

COSTS

Consistent with the Order in Council for this Project, and the timing requirements outlined by the IESO, Hydro One has commenced development for the Project, as indicated by the expenditures to date shown in Table 2 below. Hydro One will determine a total Project Development Cost budget as definition of the project matures through progression of the Class EA and engineering design. The costs currently included in the Budget column of Table 2 pertain only to the early stages of development for the Project and will be updated in a subsequent reporting period.

Table 2 - Project Development Costs – Windsor Lakeshore Power Line Project

	Actuals Spent		Forecast Budget Variance ¹⁵						
	A	B	C	D	E	F	G	H	I
	Spent this Reporting Period ¹⁶ (Millions)	Total Spent to Date ¹⁷ (Millions)	Budget ¹⁸ (Millions)	Forecast Budget Change from Last Report (Millions)	Forecast Budget Change from Last Report (%)	Revised Total Budget (Millions)	G = F - B Budget Remaining (Millions)	H = G/F * 100 Budget Remaining (%)	Reasons for Change
Real Estate	\$0.09	\$0.09	\$13.02	n/a	n/a	n/a	\$12.93	99%	n/a
Engineering and Design	\$0.29	\$0.37	\$7.54	n/a	n/a	n/a	\$7.17	95%	n/a
Environmental Approvals	\$0.18	\$0.33	\$5.17	n/a	n/a	n/a	\$4.84	94%	n/a
Indigenous Consultation	\$0.00	\$0.00	\$10.93	n/a	n/a	n/a	\$10.93	100%	n/a
Project Management	\$0.22	\$0.36	\$5.89	n/a	n/a	n/a	\$5.53	94%	n/a
Contingency	\$0.00	\$0.00	\$5.79	n/a	n/a	n/a	\$5.79	100%	n/a
Other Consultation	\$0.04	\$0.04	\$2.56	n/a	n/a	n/a	\$2.52	98%	n/a
Interest and Overhead	\$0.04	\$0.09	\$8.00	n/a	n/a	n/a	\$7.91	99%	n/a
Total	\$0.86	\$1.28	\$58.90	n/a	n/a	n/a	\$57.62	98%	n/a

¹⁵ There was no revision to the budget in this reporting period and thus no revised forecast to report in *Columns D to F*. The Budget Remaining shown in *Column G* is the delta between *Column C* and *Column B*, similarly the percentage shown in *Column H* is *Column G* divided by *Column C*.

¹⁶ Actual Spent amounts for this reporting period shown in *Column A* reflects the OEB's direction that the report should cover the period from May 1, 2025 to October 31, 2025.

¹⁷ Total Spent to Date amounts include expenditures during this reporting period and the expenditures during the early engagement and project initiation phase.

¹⁸ Budget amounts shown in *Column C* are for the Project's early development phase only. A total Project Development Cost budget requires greater project definition, including the further progression on the Class EA and the engineering design.

PROJECT DEVELOPMENT WORK SCHEDULE

In the IESO’s Windsor-Essex IRRP report issued in April 2025, the IESO indicated that the Windsor Lakeshore Power Line project would be required to be in-service by 2032 to support future growth in the area. Hydro One has built out a development schedule with the goal of filing the leave to construct application in late 2027, which will allow time to construct and in-service the line by the need date. Table 3 presents the key milestone dates involved in completing the development work.

Table 3 - Project Development Work Schedule – Windsor Lakeshore Power Line Project

Milestones	Schedule	Completed	Adjusted To
Notice of Commencement of Class EA	November 2025	-	-
Community Open House #1	December 2025	-	-
Selection of preferred route	Early 2027	-	-
Release of the draft Environmental Study Report (ESR) for public review	Spring 2027	-	-
Submit Final ESR and complete the Class EA process	Summer 2027	-	-
Leave to Construction (Section 92) Application Submission	Late 2027	-	-

RISKS AND ISSUES LOG

The Project is being monitored continually for risks, including the identification of risk mitigation activities. A list of major development risks that are actively being managed is presented below.

- There is a risk of delay to the Project if there are delays with the Class EA or the field studies to support the Class EA process. To mitigate this risk, Hydro One is committed to undertaking notification and outreach to impacted parties; developing an access plan; and providing sufficient time and opportunity for field studies and the subsequent reviews and approvals.
- There is a risk of delay to the Project as a result of limited information on the characteristics and constraints of the routes being studied, and unforeseeable technical challenges arising as engineering designs are advanced. To mitigate this risk, Hydro One is working closely with all key stakeholders to obtain and validate design/route assumptions to reduce unexpected requirements, including conducting geotechnical investigations.
- There is a risk of delay to the Project as a result of a Section 16 Order request to the Ministry of the Environment, Conservation and Parks (MECP), requesting that the project be elevated to a Comprehensive EA. To mitigate this risk, Hydro One will be conducting

a thorough and robust First Nations consultation program and working to involve First Nations in the Class EA process to manage and reduce this risk.

Risks for further stages of the Project development work will be identified as the Project progresses. Project execution risks will be identified be included in Hydro One's Leave to Construct application that will be submitted to the OEB.

PROJECT SCOPE AND TIMING RECOMMENDATIONS PROVIDED BY THE IESO

Should the IESO provide an update to the scope, need, and/or timing recommendations to Hydro One for the Project, those details will be provided to the OEB and summarized in this section of the Report going forward. Information in this section will reflect any update/s provided to Hydro One within the semi-annual reporting period to which the report pertains.

Updates - Nothing to report during the period.

ATTACHMENT 1 Map of the New Transmission Lines in Southwestern Ontario

Of the four transmission lines included in the Map of the *Southwestern Ontario Transmission Projects*, the Project whose information is included in this bi-annual report is for Project #4, and are circuits planned to span between Lauzon TS in the Windsor area and Lakeshore TS.



Southwest Ontario Transmission Projects

- ① St. Clair 230 kV Transmission Line (2028)
- ② Longwood to Lakeshore 500 kV Transmission Line (2030)
- ③ Longwood to Lakeshore 500 kV Transmission Line (TBD)
- ④ Windsor to Lakeshore 230 kV Transmission Line (TBD)

Map Legend

- 230 kV Existing Transmission Line
- 500 kV Existing Transmission Line
- ★ Existing Transformer Station
- City/Town
- Highway
- First Nation

