

Enbridge 50 Keil Drive N. Chatham, Ontario, Canada N7M 5M1

March 14, 2019

BY RESS & COURIER

Ms. Kirsten Walli Board Secretary Ontario Energy Board 2300 Yonge Street, 27th Floor Toronto, ON M4P 1E4

Dear Ms. Walli:

Re: Union Gas ("Union") Chatham-Kent Rural Project - Updated EB-2018-0188

Union and Enbridge Gas Distribution amalgamated effective January 1, 2019 to become Enbridge Gas Inc. ("Enbridge Gas").

Enclosed please find two copies of Enbridge Gas's updated application and pre-filed evidence for the above-noted project.

On November 29, 2018, the Ontario Energy Board ("Board") placed Union's Chatham-Kent Rural application in abeyance. On March 11, 2019, the government of Ontario announced funding for the Chatham-Kent Rural Project under Access to Natural Gas Act Bill 32/Ontario Regulation 24/19 Expansion of Natural Gas Distribution Systems. Enbridge Gas requests the Board remove the application from being in abeyance and issue a Notice of Hearing.

The previously filed Environmental Reports at Schedule 19 and 20 were not changed and due to the size of the files we have not included in this updated application.

In the event that you have any questions on the above or would like to discuss in more detail, please do not hesitate to contact me.

Yours truly,

[original signed by]

W.T. (Bill) Wachsmuth, RPF Senior Administrator, Regulatory Projects :sb Attach.

cc: N. Marconi Z. Cronojacki A. Manzano Regulatory Library

ONTARIO ENERGY BOARD

IN THE MATTER OF The Ontario Energy Board Act, 1998, S.O. 1998, c.15, Schedule B, and in particular, s.90 and s.97 thereof;

AND IN THE MATTER OF an Application by Enbridge Gas Inc. for an Order granting leave to construct a natural gas pipeline and ancillary facilities in the Municipality of Chatham-Kent.

APPLICATION

- Union Gas Limited and Enbridge Gas Distribution Inc. amalgamated effective January 1, 2019 to become Enbridge Gas Inc. ("Enbridge Gas").
- 2. Enbridge Gas (the "Applicant") hereby applies to the Ontario Energy Board (the "Board"), pursuant to Section 90(1) of the Ontario Energy Board Act (the "Act"), for an Order granting leave to construct approximately 500 metres of NPS 12 ("Bear Line Section") and 13 km of NPS 8 ("Base Line Section") hydrocarbon (natural gas) pipeline ("Proposed Facilities or Proposed Project") in the Municipality of Chatham-Kent.
- Enbridge Gas also applies to the Board pursuant to Section 97 of the Act, for an Order approving the Form of Temporary Land Use Agreement which can be found in the pre-filed evidence.
- 4. Attached hereto as Schedule "A" are maps showing the general location of the proposed pipelines and the municipalities, highways, railways, utility lines and navigable waters through, under, over, upon or across which the proposed pipelines will pass.

- 5. The construction of the Proposed Pipeline will allow the Applicant to serve the potential growth and identified customer demand within the Municipality of Chatham-Kent.
- 6. The Applicant now therefore applies to the Board for an Order granting leave to construct the proposed pipeline as described above.

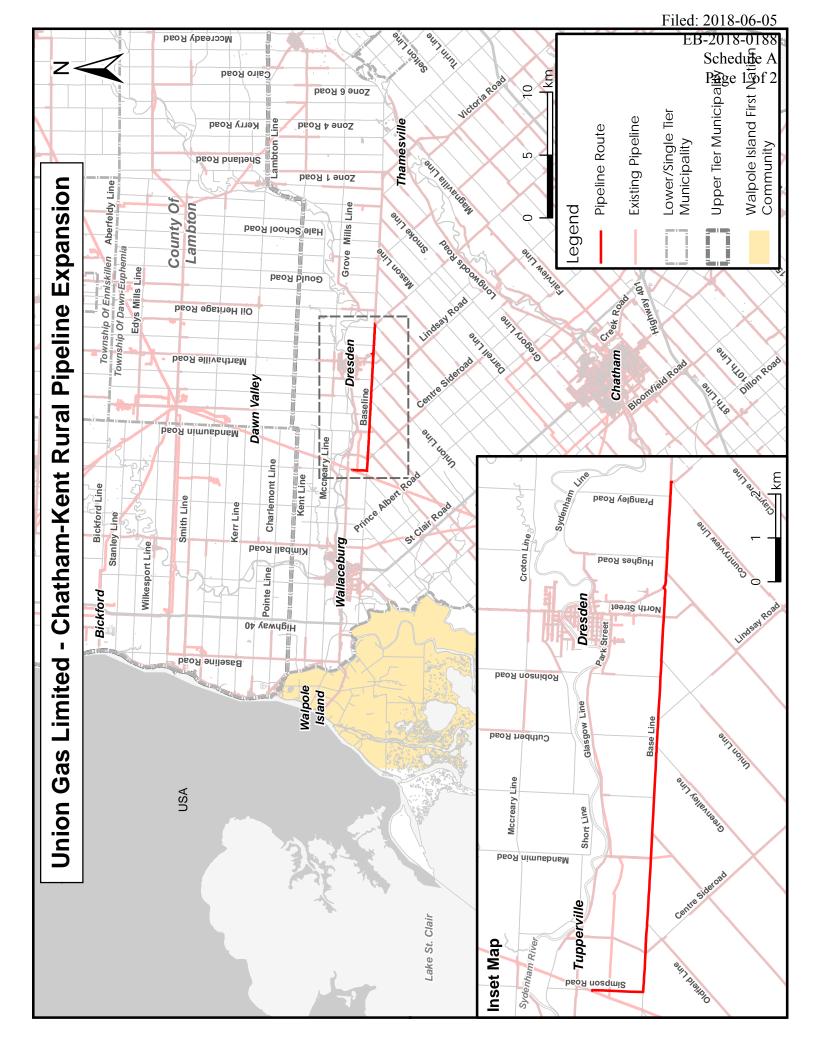
Dated at Municipality of Chatham-Kent this 14th day of March, 2019.

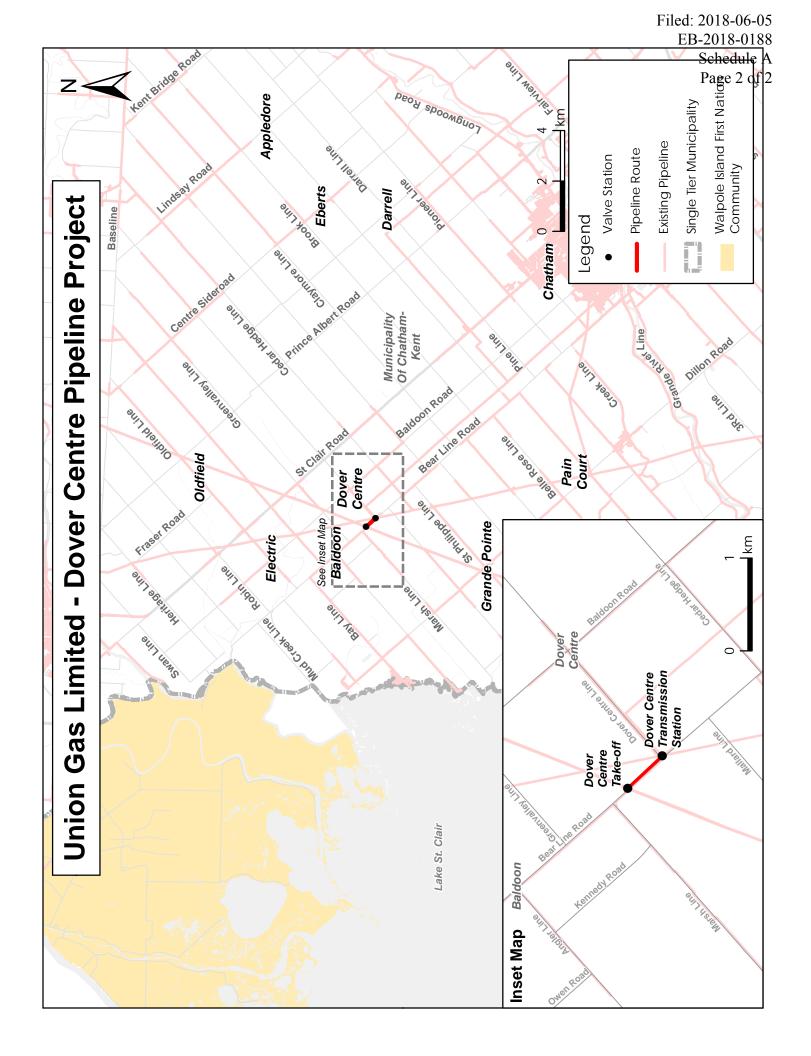
[Originally Signed By]

Per: W.T. (Bill) Wachsmuth, RPF Senior Administrator Regulatory Projects

Comments respecting this Application should be directed to:

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2018 CHATHAM-KENT RURAL PROJECT

Index

PROJECT UPDATE	1
PROJECT SUMMARY	2
DESCRIPTION OF THE CHATHAM-KENT PIPELINE NETWORK	5
PROJECT NEED	6
PROPOSED FACILITIES	12
MUNICIPAL CONTRIBUTION	14
PROJECT COSTS	14
COST RECOVERY	
ECONOMIC FEASIBILITY	
DESIGN AND PIPE SPECIFICATIONS	20
CONSTRUCTION PROCEDURES AND SCHEDULE	21
LAND REQUIREMENTS	22
ENVIRONMENTAL MATTERS	
INDIGENOUS CONSULTATION	

Schedules

- Schedule 1 Key Maps of Proposed Facilities
- Schedule 2 Letters of Support
- Schedule 3 Existing Chatham System
- Schedule 4a Initial Scope of Project
- Schedule 4b Final Scope of Project
- Schedule 5 Commitment Letter
- Schedule 6 Map of FBP Area
- Schedule 7 Summary of Facilities Business Plan Customer Forecast
- Schedule 8 System Design Criteria for Reinforcement of the Chatham East System
- Schedule 9 Map Showing Details of Proposed Facilities Bear Line
- Schedule 10 Map Showing Details of Proposed Facilities Base Line
- Schedule 11 Letters and Announcements Related to Project Funding
- Schedule 12 Estimated Project Costs
- Schedule 13 DCF Analysis
- Schedule 14 DCF Analysis Parameters
- Schedule 15 Design and Pipe Specifications
- Schedule 16 General Techniques and Methods of Construction
- Schedule 17 Construction Schedule
- Schedule 18a Landowner Listing Bear Line
- Schedule 18b Landowner Listing –Base Line
- Schedule 19 Environmental Report Bear Line
- Schedule 20 Environmental Report Base Line
- Schedule 21 Summary of OPCC Comments
- Schedule 22 Indigenous Consultation Report Bear Line
- Schedule 23 Indigenous Consultation Report Base Line
- Schedule 24 MOE Correspondence
- Schedule 25 Temporary Land Use Agreement

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Page 1 of 26

PROJECT UPDATE

- On June 5, 2018 Union Gas Limited filed an Application EB-2018-0188, for an order pursuant to Section 90 of the Ontario Energy Board Act, for leave to construct approximately 500 metres of NPS 12 and 13 km of NPS 8 pipelines ("Application").
- Union and Enbridge Gas Distribution amalgamated effective January 1, 2019 to become Enbridge Gas Inc. ("Enbridge Gas").
- On December 28, 2017, under the Province of Ontario Natural Gas Grant Program ("NGGP") the Ministry of Infrastructure agreed to provide \$8.0 million in capital funding support for the Project.
- 4. On September 26, 2018, Union was informed by the Ministry of Infrastructure that funding under the NGGP would not be available for the Chatham-Kent Rural Project. Schedule 11 includes a copy of the letter identifying that funding is no longer available.
- On November 29, 2018, Union was informed by the Board that the proceeding was placed in abeyance due to the loss of needed funding. Schedule 11 includes a copy of the abeyance notice letter.
- On December 6, 2018, Access to Natural Gas Act Bill 32/Ontario Regulation 24/19 Expansion of Natural Gas Distribution Systems received Royal Assent¹

¹ See https://www.ola.org/en/legislative-business/bills/parliament-42/session-1/bill-32/status

- On December 10, 2018, one of the key customers in the Project signed a 20 year contract for gas distribution service.
- 8. On March 11, 2019, Enbridge Gas was informed that \$8.0 million of funding for the Project would be available under the Access to Natural Gas Act Bill 32/Ontario Regulation 24/19 Expansion of Natural Gas Distribution Systems. Schedule 11 includes a copy of the Press Release announcing the Project.
- With the above changes Enbridge Gas is now able to mitigate the economic impact of losing the \$8 million in NGGP funding and preserve the Project economics with a Profitability Index of at least 1.0.
- 10. Union's original evidence has been updated below to reflect these changes.
- Enbridge Gas is also requesting approval pursuant to Section 97 of the OEB Act of the form of Temporary Land Use Agreement.

PROJECT SUMMARY

 Enbridge Gas pursuant to Section 90 and 97 of the Ontario Energy Board Act, requests approval from the Ontario Energy Board ("OEB or Board") for Leave to Construct approximately 500 metres of NPS 12 ("Bear Line Section") and 13 kilometres of NPS 8 ("Base Line Section") ("Proposed Facilities or Proposed Project") in the Municipality of Chatham-Kent and approval of the form of Temporary Land Use. The Bear Line Section will extend from the Dover Centre Valve Site to the Dover Centre Transmission Station along Bear Line Road in the former Dover Township. The Base Line Section will extend from the Simpson Road Station to a new Station at the corner of Base Line and Kent Bridge Road in the former Townships of Chatham and Camden. Maps showing the Proposed Facilities can be found at Schedule 1.

- 2. The Bear Line and Base Line Sections will reinforce the Chatham East System. The Proposed Facilities are required to meet the increasing demands for natural gas in this area as identified in the demand forecast. There have not been any significant changes to the Chatham East System in the past 20 years. Without the Proposed Facilities, serving the potential growth and identified customer demand in the area beyond 2018 will not be possible.
- 3. The total project cost of the Proposed Facilities is estimated to be \$19.1 million, including interest during construction ("IDC"). There will be some additional individual distribution pipeline and/or station facilities required to attach customers to the local distribution network. The additional facilities required are typically smaller diameter plastic and steel pipelines that do not require a Leave-to-Construct ("LTC") application. These individual facilities are reviewed on a customer by customer basis. The cost of these facilities are not part of the Proposed Facilities cost.
- 4. Union has received strong support from the community of Chatham-Kent for this Project. Letters of Support for the Project can be found at Schedule 2.
- 5. Union submitted a grant application to the Government of Ontario ("Ministry of Infrastructure") for funding from the Natural Gas Grant Program ("NGGP") for the Proposed Facilities. Union's submission was conditionally accepted by the Government of Ontario in December 2017. After negotiating contracts with customers and filing the original OEB application, Union was

informed by the Ministry of Infrastructure, on September 26, 2018, that the NGGP funding would not be available.

- 6. On March 11, 2019, Enbridge Gas learned that \$8.0 million of funding would be available as a result of the Access to Natural Gas Act Bill 32/Ontario Regulation 24/19 Expansion of Natural Gas Distribution Systems. The funding is conditional on Enbridge Gas obtaining all necessary approvals from the Board to authorize the expansion of the Proposed Facilities. The Project economics have modelled 50% of the funding to be available in 2019 and the remainder in 2020, with it all treated as Contribution In Aid to Construct.
- 7. An economic analysis has been completed in accordance with the recommendations of the Ontario Energy Board E.B.O. 188 report on *Natural Gas System Expansion* and the project is economically justified, with an overall project Profitability Index ("P.I.") of 1.03.
- 8. Environmental Reports ("ER's") have been prepared for the Proposed Project. There will be minimal environmental impacts related to the construction of the pipeline given the company's standard construction procedures, the mitigation measures recommended in the ER's, and the fact that the majority of the pipeline will be located within road allowance.
- 9. Union provided the Ministry of Energy ("MOE") with information regarding the Proposed Project. Enbridge Gas has initiated consultation with the affected Indigenous communities. The communities are aware of the Proposed Project and the company will ensure that any of their concerns and issues have been identified and addressed.

10. Construction of the Proposed Project is scheduled to commence at the beginning of summer of 2019 to utilize the favourable weather and environmental windows. The proposed latest inservice date for Bear Line Section of the Project is September 15, 2019. The proposed latest inservice date for the Base Line Section of the Project is November/December, 2019. In order to adhere to such a schedule, OEB approval is requested in June, 2019. With this revised approval request date the Proposed Facilities can still be constructed to meet the respective in-service dates.

DESCRIPTION OF THE CHATHAM-KENT PIPELINE NETWORK

- 11. A map showing the existing Pipeline Network in Chatham-Kent can be found at Schedule 3.
- 12. The Chatham East Pipeline is fed by the Panhandle Transmission System ("Panhandle") that originates at the Dawn Hub ("Dawn"). The section of the Panhandle that feeds the Chatham East Pipeline consists of NPS 20 and NPS 36 pipeline which operates at a MOP of 6040 kPa.
- 13. The Chatham-Kent distribution network is fed primarily by a high pressure pipeline known as the Chatham East Line. The Chatham East Pipeline, supplied directly by the Panhandle System through the Dover Centre Take-Off, feeds gas downstream to numerous distribution and gate stations which bring gas to communities such as Chatham, Blenheim, Ridgetown, Kent Bridge and others.
- 14. The secondary source of gas for most of Chatham-Kent is the Sarnia South Line. This 60

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Page 6 of 26

kilometre pipeline is fed by both the Chatham East Pipeline, through Dover Centre Station, and by Dawn via the Dawn West Lines. The Sarnia South Line delivers gas to Wallaceburg, Chatham, Dresden, Grande Pointe and Port Alma.

15. Combined, the Sarnia South Line and the Chatham East Pipeline deliver gas to the vast majority of customers in the Chatham-Kent region.

PROJECT NEED

Large Volume Customer Growth

- 16. Over the past several years Union has had inquiries for large quantities of additional natural gas service and/or capacity in the Chatham Kent region that could not be economically served. These requests identified the need for a larger project to open up capacity to an under-serviced area. While the cost of multiple small scale expansions is too great for any single customer, a larger project, serving multiple customers can provide economies of scale. In order to aggregate sufficient customer interest and commitment to the facilities needed to serve them, Union launched an Expression of Interest ("EOI") process, seeking customer interest in the potential project.
- 17. On May 2, 2017, Union, in conjunction with the Municipality of Chatham-Kent, publicly announced the Chatham-Kent Rural Pipeline Expansion project with a press release² and through email communications to all existing contract rate class customers in the Union South area (via

² https://www.uniongas.com/newsroom/2017/may-2-2017

an Enerline³ newsletter) and to the Direct Purchase marketer community (via a Factsline⁴ newsletter). Details of the potential project, along with Expression of Interest forms, were posted to <u>www.uniongas.com/ckruralexpansion</u> and this site was referenced in all communications. It included a map of the two potential pipelines (the proposed facilities at the time) which included 500 metres of NPS12 pipeline (which forms part of this OEB application) and a 20 km⁵ NPS8 pipeline, as well as an information package and the Expression of Interest ("EOI") form⁶.

- 18. The potential pipelines initially contemplated provided incremental capacity in the Chatham-Kent region of approximately 75,000 m³/hour. The map outlined the approximate area that could see an increase in natural gas capacity if the pipelines were built as contemplated. The invitation to express interest in the project was aimed at identifying the incremental interest for natural gas service from existing and new commercial businesses within this geographic area of Chatham-Kent.
- 19. Union invited customers to express interest in the potential project by submitting a form that included the details on their location, desired hourly demand, and annual volume of natural gas and timing of natural gas service. These forms were <u>not binding</u> on the customer and were meant to gather information on potential demand. Union received 43 EOI responses from interested parties totalling over 51,000 m³ in hourly demand. Union analysed all the responses to determine the optimal facilities design to serve the incremental gas demands identified in the EOI forms. A

³ https://www.uniongas.com/business/communication-centre/newsletter/enerline/2017/may-2-2017-south

⁴ https://www.uniongas.com/business/communication-centre/newsletter/factsline/2017/may-2-2017

⁵ The 20 km of NPS 8 pipeline was subsequently reduced to 13 km for this application.

⁶ https://www.uniongas.com/-/media/campaigns/ck-rural-expansion-project/ck-rural-expansion-of-interest.pdf

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Page 8 of 26

map showing the original scope of the potential facilities and the area deriving benefit from these facilities is included at Schedule 4a. Following this, Union sent EOI respondents an email explaining that the facilities needed to serve all the volumes from the EOI process had been confirmed (i.e. matched what was initially contemplated) and that the next step was for the customers to confirm their quantities and timing and sign a <u>binding</u> commitment to the capacity. A pro-forma Commitment Letter ("CL") was included with that notice. A copy of the CL is attached as Schedule 5.

- 20. Union then sent a CL to each potential customer, with their specific parameters, asking them to countersign the letter that would commit them to contracting for the gas quantities identified.These letters were due back to Union by July 17, 2017.
- 21. The timeline for the process was driven by the need to know which customers would be included in the final project scope in time to complete and submit the NGGP application by July 31, 2017. Of 43 original expressions of interest, five (5) customers were able to execute a CL by the deadline. The total required capacity of the five that signed the Commitment Letters was 18,845 m³/hour.
- 22. In light of reduced natural gas demand confirmed from CLs relative to the EOI responses, the scope and scale of the CK Rural Pipeline Expansion Project was reviewed. The analysis showed that the anticipated Facilities could be reduced to 500 metres of NPS12 and 13 km of NPS8, to meet the collective need of the five (5) customers that signed a CL as well as expected future growth. Schedule 4b shows a final scope map of the Proposed Facilities and the area that benefits

from those facilities.

- 23. At the time of the NGGP application submission, several of the customers that had committed to the Project by signing a CL for their proposed initial requirements had indicated that they were also considering future expansion beyond the initial capacity. All customers that signed a CL were proposing either new greenhouse projects or expansions of existing greenhouse operations. The demand forecast includes these future identified loads as well as Non-specific large volume customer growth in addition to that from identified customers. This Non-specific customer growth is based on the overall growth of the market in the area of benefit.
- 24. After the NGGP funding was withdrawn the company discussed the large volume forecast with the greenhouse growers in Chatham-Kent.
- 25. The forecast for the project has not changed from the original filed forecast. Enbridge Gas forecasts total growth in large volume demand of 31,895 m³/hour by 2025 in the area serviced by the Project. Of this, four contracts representing 14,635 m³/hour have been executed to this point. Enbridge Gas is actively working to finalize the remaining two first year contracts by May 2019. These six first year contracts represent 15,885 m³/hour or 50% of the forecasted growth in large volume demand. A further 12,950 m³/hour or 40% is supported by future growth, over the years 2020 to 2024, from two of the above six customers who have shared their expansion plans with Enbridge Gas.
- 26. One of the four signed contracts was executed with a 20 year term. The economic model therefore was updated from the original 18 year term to a 20 year term.

27. The small volume forecast remains the same as originally filed

28. The demand forecast is provided below:

Forecasted Demand (m ³ /hour	Forecasted	Demand	(m ³ /hour)	
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Commitment	2019	2020	2021	2022	2023	2024	2025
Letter							
Customer 1	1,185						
Customer 2	4,700						
Customer 3	6,500						
Customer 4	400		450				
Customer 5	2,250		4,200		4,200		4,100
Customer 6	850						
Non-specific						3,060	
Large Volume							
Growth							
Large Volume –	15,885		4,650		4,200	3,060	4,100
Annual							
Large Volume –	15,885	15,885	20,535	20,535	24,735	27,795	31,895
Cumulative							
Small Volume	475	463	520	508	407	457	407
Total – Annual	16,360	463	5,170	508	4,607	3,517	4,507
Total - Cumulative	16,360	16,823	21,993	22,501	27,108	30,625	35,132

- 29. The forecasted demand includes both larger sized customers (those over 200 m³/hour) and smaller residential and commercial customers as identified in the Facilities Business Plan ("FBP") below.
- 30. Community support for the Project was received through formal support letters from two of the customers that signed long term contracts, the Municipality of Chatham-Kent (two letters), the Ontario Greenhouse Vegetable Growers Association ("OGVG"), the Chatham-Kent Chamber of Commerce, the Kent Federation of Agriculture ("KFA"), and the Wallaceburg Chamber of Commerce which are attached at Schedule 2.

Facilities Business Plan Growth

31. The Facilities Business Plan ("FBP") is an internal planning process used by the company for the

identification of reinforcement facilities required to support forecasted demand growth within a specific geographic area.

- 32. The FBP is developed for a study area which provides an overall business case for any necessary long range system expansion for the study area. A study area represents the geographic area for which an FBP will cover.
- The Chatham-Kent FBP was updated in 2017. A map illustrating this FBP study area is found in Schedule 6.
- 34. For the Proposed Facilities, the Chatham-Kent FBP provides a complete analysis of the study area based on a 10-year customer demand forecast ("FBP forecast"). This FBP forecast is based on the 10-year historical average growth in the study area. A summary of the small volume forecast can be found in Schedule 7 and it is included in forecast under small volume growth.
- 35. Based on the FBP forecast, future facilities, both new and reinforcement, can be identified, economically evaluated, optimized and scheduled to meet the future growth demands on the system.
- 36. The advantages of this FBP long range planning approach can be summarized as follows:
 - a) Through the identification of future growth areas, Enbridge Gas can be more responsive to customer needs;
 - b) Optimum, least cost facilities can be identified to serve the general service market (Rate

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Page 12 of 26

M1, M2, 01 and 10) growth; and

- c) Long-term security of supply to the overall system can be achieved.
- 37. The FBP for the area projects growth in general service market demand of 3,237 m³/hr by 2025 as provided in forecasted demand table above.

PROPOSED FACILITIES

- 38. Total anticipated growth in demand from large volume customers and general service customers equates to 35,132 m³/hour over 7 years. Of this growth, 16,360 m³/hour is required in winter 2019 and it is necessary to increase the capacity of the Chatham-Kent System in order to meet forecasted demands during the Winter 2019/2020.
- 39. Attached at Schedule 8 is a document titled System Design Criteria Report for Reinforcement of the Chatham-Kent System. This document:
 - a) outlines the design methodology and process Enbridge Gas uses for reinforcement of system laterals;
 - b) provides a description of current Chatham-Kent East Transmission System facilities and system configuration; and
 - c) outlines the alternatives considered and the rationale for choosing the preferred alternative.
- 40. Based on the specific and forecasted large volume customer growth, the proposed growth identified in the Facilities Business Plan, and the review undertaken as part of the System Design Criteria Report it has been determined that the Base Line and Bear Line sections identified below

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Page 13 of 26

best serve the needs for the Proposed Project.

- 41. Enbridge Gas is undertaking the process of Integrated Resource Planning and is committed to considering DSM as an alternative to infrastructure. Enbridge Gas also recognizes that Integrated Resource Planning will require formalized considerations to optimize safe, reliable, cost effective, and low carbon energy solutions for our customers. Due to the cost allocation methodology to service Contract Customers included in this LTC application, DSM on existing customers would not reduce the scope of the Bear and Base Line Sections that will reinforce the Chatham East System and is thus not applicable as an alternative to this project. Further, it is at the discretion of these Contract Customers to voluntarily participate in the Enbridge Gas DSM programs in the future to reduce future growth demand. Enbridge Gas is reviewing potential reinforcement project with in-service dates sufficiently in the future to allow geo-targeted DSM and other non-facility options to be considered as alternatives. Enbridge intends to make an application to the OEB seeking approval of any IRP proposals later this year.
- 42. For the proposed Bear Line Section, Enbridge Gas proposes to construct approximately 500 metres of NPS 12 pipeline with a MOP of 6040 kPa. This Proposed Facility will extend from the Dover Centre Take-Off to Dover Centre Station along Bear Line Road. Enbridge Gas is also proposing to upgrade the take-off at the north end and the station at the south end of the proposed NPS 12 pipeline. The Bear Line Section is shown at Schedule 9.
- 43. For the proposed Base Line Section, Enbridge Gas proposes to construct approximately 13 kilometres of NPS 8 pipeline with a MOP of 6040 kPa. This proposed pipeline will extend from the existing Simpson Road Valve Site to a new Station near the corner of Base Line Road and

Kent Bridge Road. The Base Line Section is shown at Schedule 10.

MUNICIPAL CONTRIBUTION

- 44. The Municipality of Chatham-Kent has continued with its commitment under the former NGGP program, to pay an amount approximately equal to the incremental property tax amount as a lump sum payment of \$500,000 to support the Project. On December 20, 2018 a Municipal Contribution Agreement was executed with Chatham-Kent committing \$500,000 to the Project. This is consistent with the supporting council resolution that can be found at Schedule 2.
- 45. The contributions from the Access to Natural Gas Act/Ontario Regulation 24/19 Expansion of Natural Gas Distribution Systems and the Municipality of Chatham-Kent will be treated as a Contribution In Aid to Construct ("CIAC") payment, which reduces the net capital cost that Enbridge Gas is seeking LTC approval to \$10.6 million.

PROJECT COSTS

- 46. The total estimated cost of the Proposed Project is \$19.1 million as shown in Schedule 12. This covers all costs related to the Proposed Facilities including material, construction and labour, environmental protection measures, land acquisitions, contingencies, and interest during construction.
- 47. The total estimated material cost of approximately \$2.1 million covers the cost of all pipe, valves, fittings, coatings, miscellaneous items and stores overhead. These costs are based on historical values and current market conditions. The percentages for stores overheads cover all

warehousing and handling costs of the material. The total estimated construction and labour cost amounting to approximately \$14.3 million relates to the installation of the pipeline. This total includes the cost of all miscellaneous company and contract labour. Since the original filing submission, the company has continued with the detailed design of the Proposed Facilities. This review has resulted in some of the specific items identified in Schedule 12 changing. However, the overall project costs have remained constant at \$19.1 million.

48. There will be additional individual distribution pipeline, service and station facilities required to attach new customers to the local distribution network. Facilities required are typically smaller diameter plastic and steel pipelines that do not require a leave to construct application. These individual facilities are reviewed on a customer by customer basis. The cost of these facilities of \$3.5 million is not included in the above project costs.

COST RECOVERY

49. In a previous facilities expansion that served mainly a geographically specific group of large volume customers¹⁰, Union assessed an Hourly Allocation Factor for each new large customer of \$230 per m³ per hour to be applied to the capital costs for each new large volume customer serviced by the expansion. Since this Project would require a similar approach to make it economically feasible, the EOI package referenced a targeted Hourly Allocation Factor of \$250 to \$350 per m³ of hourly demand. Based on this range, Union was able to determine how much NGGP funding would initially be required to make the project economically feasible, given the other economic factors at the time.

¹⁰ Learnington Expansion Phase 2; EB-2016-0013, page 3 of 15, paragraph 15, decision June 29, 2016.

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Page 16 of 26

50. The proposed Hourly Allocation Factor of \$287 per m³/hour was determined in the first half of

2018 based on the parameters that were known at that time as per the following table:

Hourly Allocation Determination

	Inputs for Hourly Allocation Factor	
Line	Item	Amount
1	13 km of NPS8 Pipeline	\$17,900,000
2	500 metres of NPS 12 Pipeline	\$1,209,000
3	NGGP Grant	-\$8,000,000
4	Municipal Contribution	-\$500,000
5	Capital to be recovered from future customers	-\$2,000,000
6	Net Capital (1+2+3+4+5) to be recovered from identified large volume customer requests	\$8,609,000
7	Capacity (m ³ /hour) ¹¹	30,045
8	Customer Hourly Allocation Factor (6/7) (\$/m ³ /hour)	\$287

With the withdrawal of NGGP funding, and subsequent restoration of the identical amount of funding under Access to Natural Gas Act Bill 32/Ontario Regulation 24/19 Expansion of Natural Gas Distribution Systems, there is no need to update the Customer Hourly Allocation Factor. The total project economic analysis at Schedule 13 includes total estimated capital costs and funding from the Access to Natural Gas Act Bill 32/Ontario Regulation 24/19 Expansion of Natural Gas Distribution Systems and the Municipality of Chatham-Kent and results in a total project PI of 1.03. Increasing the allocation factor above \$287/m³/hour would result in a total project PI greater than 1.03.

51. Enbridge Gas's proposal for cost recovery of the Net Capital is that every large customer within the area that is receiving incremental capacity from the Proposed Facilities will be allocated the proposed capital cost Hourly Allocation Factor of \$287/m³/hour to their individual economics

¹¹ Capacity assumed to be available by the Project for customers who required in excess of 200 m^3 /hour at the time of NGGP submission. Actual capacity available is a function of the location of the loads.

based on their peak hour need. This capital cost allocation is in addition to the costs of any customer specific facilities that the customer requires, which will include a customer station, a service line, and potentially distribution main. Large Volume customers in this context are being defined as customers who require a demand capacity of 200 m³/hour or greater. This approach of allocating costs is consistent with the process used in EB-2016-0013 Learnington Expansion Phase 2.

- 52. The Proposed Facilities will be reinforcing an existing system that will continue to be used by existing customers. It is not practical for Enbridge Gas to apply the Hourly Allocation Factor to small customers, like individual homes, nor is it appropriate to apply the equivalent of a system expansion surcharge ("SES") as approved for expansion to a new community¹² because the area being served by the Project is not a new community¹³. Enbridge Gas's proposal is that all new large customers within the Area of Benefit¹⁴ that require 200 m³/hour or greater will be allocated this cost in their economics. The 200 m³/hour is also the approximate size that is large enough for the customer to qualify for a contract rate in Union South (350,000 m³/year under rate M4).
- 53. Once the total incremental capacity of those customers requiring more than 200 m³/hour reaches 31,895 m³/hour, Enbridge Gas will have allocated the cost of the Proposed Facilities as forecasted in the project economics. At that point, Enbridge Gas will cease to apply this Hourly Allocation Factor to new loads in the Area of Benefit.

¹² SES was approved in EB-2015-0179 for several new communities.

¹³ The Board accepted a community Expansion definition consisting of "A natural gas system expansion project which will provide first time natural gas system access where a minimum of 50 potential customers already exist" as proposed by Enbridge Gas Distribution in EB-2017-0147 (Fenelon Falls). Union has proposed a similar definition in EB-2018-0142. 14 The Area of Benefit is the geographical area that receives a hydraulic benefit in natural gas capacity due to the addition of the Proposed Facilities. It is drawn in a green polygon at Schedule 4b.

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Page 18 of 26

ECONOMIC FEASIBILITY

- 54. Enbridge Gas has employed an economic feasibility test in accordance with the OEB's recommendations in the E.B.O. 188 report on *Natural Gas System Expansion* to assess the economics of this Project.
- 55. An economic analysis was completed for each large volume customer's load addition to assess capital costs¹⁵ and to determine the required contract term, CIAC, and/or Incremental Demand Charge Premium required for each connection to achieve a P.I. of 1.0. Large volume contracts are to be up to 20 years in term length. Beyond a 20 year contract term length, Enbridge Gas has offered options to customers to either pay the CIAC if required, or to pay a flat incremental demand charge premium in excess of the regular monthly charges such that each large customer connected can achieve a minimum Profitability Index ("PI") of 1.0.
- 56. Several customers have indicated that they intend to expand their businesses in the future and that they will require additional gas capacity greater than their Year 1 (2019) demands. Enbridge Gas has offered these customers the option to contract for some or all of their entire future demands at the start of the contract, which would effectively reserve and pay for the capacity under the current financial terms (i.e. the project Hourly Allocation Factor plus any dedicated distribution facilities required). The alternative is that these customers only contract for their 2019 demands now and then amend their contracts in the future, when they are ready to commit to the higher hourly requirement. Under this second approach, customers are risking that the capacity may have been subsequently utilized to meet the needs of other customers, in which case any capital

¹⁵ Each customer's capital costs include distribution mains if applicable along with services, measurement equipment and the allocated transmission cost of \$287 m³/hour.

costs allocated for incremental capacity may be more expensive than with this Project. To the extent capacity is still available, they would still be allocated the same Hourly Allocation Factor and be responsible for any incremental facilities related costs to serve their incremental load. If the entire 31,895 m³/hour of capacity forecasted to be sold to customers requiring at least 200 m³/hour is in fact sold out, the customer will be allocated their share of any costs for Enbridge Gas expanding further to serve them, as is the current practice. Contracts would be amended to reflect the economics of any incremental costs and revenues arising from the amendment (including any incremental CIAC required or a new demand charge premium). To date, all customers that have indicated a desire to expand in the future¹⁶, have elected to only contract for their initial demands only.

- 57. The original economic model included 7 years of growth and revenues over an 18 year period in order to meet a PI of 1.0. The updated economic model for the small volume growth is identical to the original filing. For large volume growth the economic model shows growth over a 7 year period and revenues calculated over a 20 year period, to reflect the 20 year contract signed with one of the customers. This treatment is in accordance with the E.B.O.188 guidelines.
- 58. A Discounted Cash Flow ("DCF") analysis for the project is provided at Schedule 13. In order to present a comprehensive analysis, Enbridge Gas has included distribution capital for projected customer additions in the economic analysis, even though approval for distribution costs is not being sought in this proceeding This schedule indicates that the Proposed Facilities have a Net Present Value ("NPV") of \$425,000 and P.I. of 1.03. A summary of the parameters used in the

¹⁶ Customers 2 and 6 from Load Forecast provided at Forecasted Demand table

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Page 20 of 26

DCF analysis can be found at Schedule 14.

- 59. When the Proposed Facilities are included in Union's 2019 new business investment portfolio the resulting Profitability Index ("P.I.") would be 1.26. Similarly, including the Proposed Facilities in Union's rolling portfolio as at January 2019 would result in a P.I. of 1.25.
- 60. Enbridge Gas therefore submits that this Project is economically feasible and in the public interest.

DESIGN AND PIPE SPECIFICATIONS

- 61. The design and pipe specifications are outlined in Schedule 15. All the design specifications are in accordance with the *Ontario Regulations210/01, Oil and Gas Pipeline Systems* under the *Technical Standards and Safety Act 2000.* This is the regulation governing the installation of pipelines in the Province of Ontario.
- 62. The Proposed Project is within Class 1 to Class 2 locations. Since the majority of the pipeline is located on road allowance and in consideration for future potential development along the route, the Proposed Project is designed to meet Class 3 location requirements.
- 63. The NPS 12 pipe has an outside diameter of 323.9 millimetres and a minimum wall thickness of 7.1 millimetres. The pipe is to be manufactured by the electric resistance weld process and will have a minimum specified yield strength of 386 MPa. The pipe will be manufactured to the *CSA Z245.1-14 Steel Line Pipe Standard for Pipeline Systems and Materials*. This change is a result

of the availability of pipe that was originally allocated to another project. The TSSA has been informed of this change.

- 64. The NPS 8 pipe has an outside diameter of 219.1 millimetres and a minimum wall thickness of 5.6 millimetres. The pipe is to be manufactured by the electric resistance weld process and will have a minimum specified yield strength of 359 MPa. The pipe will be manufactured to the CSA Z245.1-14 Steel Line Pipe Standard for Pipeline Systems and Materials.
- 65. The minimum depth of cover specified is 0.6 metres to the top of the pipe in general locations and 1.2 metres under roads. Additional depth will be provided to accommodate existing or planned underground facilities, or in specific areas in compliance with the applicable regulated standards.

CONSTRUCTION PROCEDURES AND SCHEDULE

- 66. Schedule 16 describes the general techniques and methods of construction that will be employed in the construction of the Proposed Project. Detailed are such activities as clearing, stringing of pipe, trenching, welding, backfill, tile repair, and clean up. The company's construction procedures have been continually updated and refined in order to be responsive to landowner concerns and mitigate potential environmental effects related to pipeline construction.
- 67. No blasting is anticipated along the route. When the Project is constructed, the company's most up-to-date construction specifications will be followed.

- 68. Material is readily available for this project and Enbridge Gas foresees no problem in obtaining a contractor to complete the proposed construction.
- 69. For the Bear Line Section, modifications to the existing Dover Centre take-off will include the installation of launcher/receiver provisions and the expansion of the site footprint. The Dover Centre Transmission Station does not require an increase in size to facilitate the additional facilities that will be constructed on this site.
- 70. For the Base Line Section, the new station at the eastern terminus of the pipeline has been changed from Union's original application in order to facilitate a more efficient connection to the existing distribution network. The western terminus of this Project will be the Simpson Road Station which does not require an increase in size to facilitate the additional facilities that will be constructed on this site.
- Schedule 17 indicates the proposed schedule for 2019 construction. Construction of the Proposed Project is scheduled to commence July 2019, with all the pipelines targeted to be in-service by November/December, 2019.
- 72. The ER's will be provided to the construction contractor.

LAND REQUIREMENTS

73. The Proposed Pipeline will be located within road allowance in the Municipality of Chatham-Kent. No permanent easements are required to construct the Proposed Facilities.

- 74. Since filing the original application Union and the pipeline contractor who will be building the Proposed Facilities have reviewed the proposed running line of the Project. Based on this review there is a better understanding of which areas will be directional drilled and which areas will have conventional construction methods. With this additional knowledge the proposed temporary land requirements have been decreased.
- 75. For the Bear Line Section approximately 1.23 acres of temporary lands are required to construct the pipeline.
- 76. For the Base Line Section approximately 12.67 acres of temporary lands are required to construct the pipeline.
- 77. Temporary land rights to facilitate easier and more efficient installation of the pipeline along road allowances will be required. Options for temporary land have been obtained from the directly affected landowners on the Bear Line Section. Enbridge Gas will continue efforts to obtain the outstanding rights for the Base Line Section. If the company is unable to obtain these rights the company can still construct the pipeline within the road allowance. A copy of the form of Temporary Land Use agreement can be found at Schedule 25.
- 78. Enbridge Gas will require 2.62 acres of fee simple land for the proposed stations. The company has obtained options for the two fee simple purchases for these land rights.
- 79. A summary of the fee simple lands and temporary easement land rights required for this project are provided in Schedule 18a and 18b.

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Page 24 of 26

ENVIRONMENTAL MATTERS

- 80. For the Bear Line Section of the Proposed Project, Union has completed an ER which includes a background report prepared by Stantec Consulting identifying the environmental and socioeconomic features along the route of the Proposed Facilities. The results of the ER indicate that the location of the Proposed Project is environmentally acceptable. Mitigation measures to reduce the effects of construction are included in the ER.
- 81. For the Base Line Section of the Proposed Project, Stantec has completed an ER identifying the environmental and socio-economic features along the route of the Proposed Facilities. The results of the ER indicate that the location of the Proposed Project is environmentally acceptable. Mitigation measures to reduce the effects of construction are included in the ER.
- 82. Enbridge Gas believes that by following its standard construction practices and adhering to the mitigation measures proposed in the ER's, construction of this project will have negligible impacts on the environment. No significant environmental or cumulative effects are anticipated from development of the Proposed Project. Copies of the ER's can be found at Schedule 19 and Schedule 20.
- 83. The ER's were prepared to meet the intent of the Ontario Energy Board's document "Environmental Guidelines for Location, Construction and Operation of Hydrocarbon Pipelines in Ontario [7th Edition, 2016]" ("Environmental Guidelines").

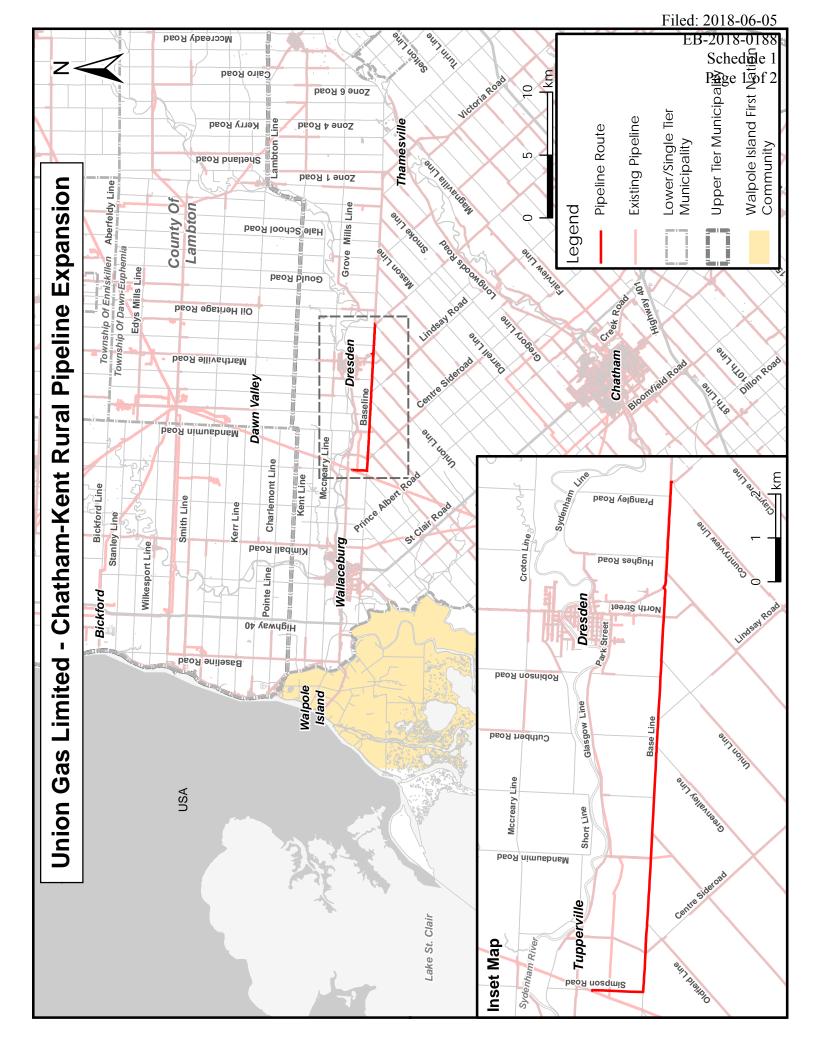
- 84. The objectives of the ER's were to:
 - a) document existing environmental features;
 - b) identify potential environmental impacts as a result of construction;
 - c) present mitigation techniques to minimize environmental impacts; and
 - d) provide the pipeline contractor and company inspectors involved in the construction of the pipeline with general and site-specific guidelines for environmental protection that supplement the company's construction specifications.
- 85. A copy of each ER was submitted to the Ontario Pipeline Coordination Committee ("OPCC") on February 8, 2018 and June 1, 2018. Copies of each ER were also provided to the local Conservation Authority, the Municipality of Chatham-Kent and Indigenous Communities. A summary of the comments regarding the ER's and Union's responses is provided in Schedule 21.
- 86. The company also met on-site with Municipal officials to solicit input on the alignment of the Proposed Project. The Municipal officials were in agreement with the company's proposal. Enbridge Gas will continue to work with Municipal officials until the Proposed Project is completed.
- 87. During construction of the Proposed Project, Enbridge Gas will implement an environmental inspection program. This program will ensure that the recommendations in the ER's are followed. A company inspector will monitor pipeline construction activities and ensure that all activities comply with the mitigation measures found in the ER's.

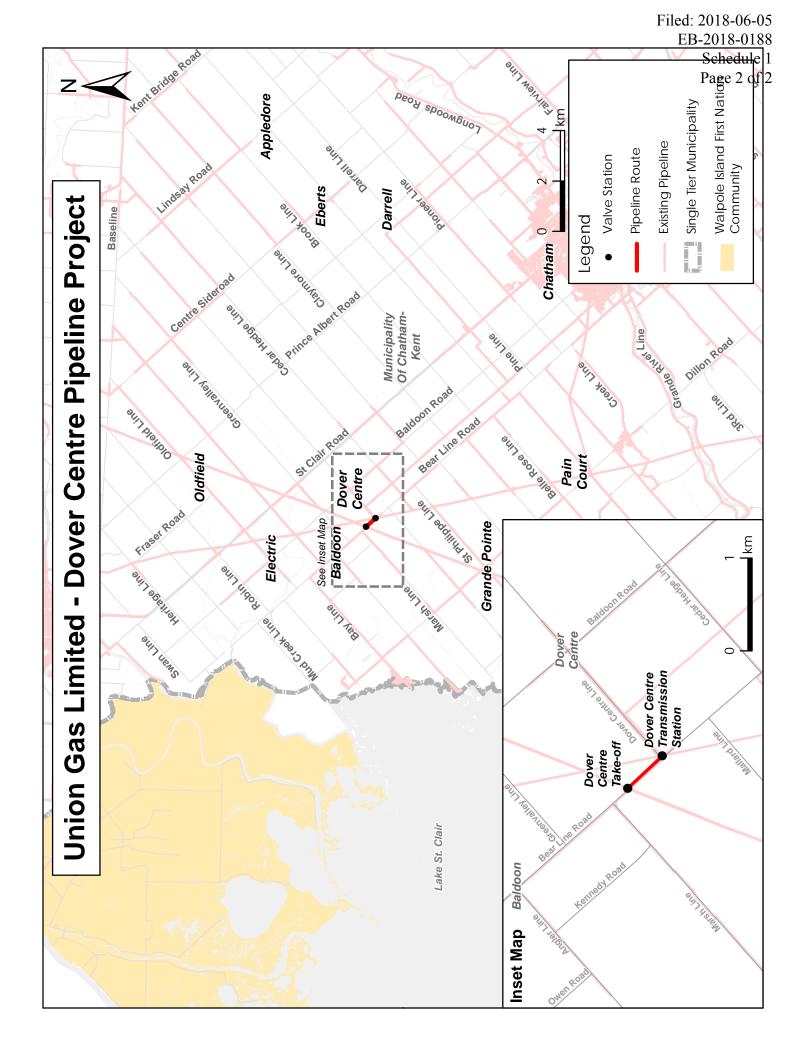
88. The company plans to have all permits in place prior to the start of construction.

INDIGENOUS CONSULTATION

- 89. The company has an extensive database and knowledge of Indigenous and Métis Nation organizations in Ontario and consults with the Tribal organizations and the data bases of the Ontario Ministry of Natural Resource and Forestry, Ontario Ministry of Indigenous Affairs and Reconciliation, as well as Indigenous Affairs and Northern Development Canada to ensure consultation is carried out with the most appropriate groups.
- 90. Union has signed a General Relationship Agreement with the Métis Nation of Ontario which describes Union's commitments to the Métis Nation when planning and constructing pipeline projects.
- 91. In the 7th Edition (2016) of the Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, the requirements for Indigenous and Métis consultation were enhanced.
- 92. As part of the OEB's requirement an Indigenous Consultation Report is required. This report includes:
 - a letter from Union to the MOE, providing the MOE with a Project description and requesting the MOE identify any Indigenous communities who may be impacted by the Proposed Project;

- a letter from the MOE to Union identifying which Indigenous communities will be impacted by the Project;
- MOE's formal delegation to Union for the responsibility to conduct consultation activities.
- 93. Attached at Schedule 22 and 23 are copies of Union's Indigenous Consultation Reports for the Project. The Indigenous Consultation Report includes:
 - A summary of all meetings with Indigenous communities;
 - A summary of the concerns that were identified by the Indigenous communities and how the concerns were addressed and/or accommodated; and
 - A complete record of all consultation activities.
- 94. Schedule 24 provides a copy of MOE's review and confirmation of adequacy of the Indigenous Consultation Reports.







Municipality of Chatham-KentUpdated: 2019-03-14Community DevelopmentFiled: 2018-06-05315 King Street West, Box 640, Chatham, ONEB-2018-0188Schedule 2Schedule 2Tel: 519.360.1998Page 1 of 4Toll Free: 1.866.542.5994Website: www.chatham-kent.ca

October 15, 2018

Ms. Kirsten Walli Ontario Energy Board 2300 Yonge Street, 27th Floor Toronto, ON N4P 1E4

Dear Ms. Walli:

Re: Union Gas Limited Chatham-Kent Rural Project (EB-2018-0188)

Union Gas Limited has regretfully informed the Municipality of Chatham-Kent that the Natural Gas Grant Program ("NGGP") funding through the Ministry of Infrastructure is no longer available for the Chatham-Kent Rural Project.

The lack of natural gas infrastructure in rural areas of Chatham-Kent is of serious concern as it limits economic development in both the industrial and agricultural sectors. As with many communities, economic growth and job creation is a direct function of the accessibility to natural gas infrastructure. Having limited access to natural gas puts Chatham-Kent at a distinct competitive disadvantage, as it is difficult to attract new businesses to the community where basic energy expenses will be double, simply because the infrastructure is either undersized or is completely lacking.

Chatham-Kent has identified opportunities to grow the greenhouse and food processing sectors given our strategic location to global markets and farm gate. Costs involved to extend proper size natural gas infrastructure areas that are conducive to hosting these types of employment generators, often make the development financially impossible.

In the past 24 months, Chatham-Kent has lost approximately \$300 million in greenhouse construction development due to the costs to extend natural gas to the preferred sites being prohibitive. Using the multiplier of four jobs created for every acre of greenhouse developed, this means 1,200 jobs were not created and much needed municipal tax dollars will not be realized.

The Chatham-Kent Rural Pipeline Expansion Project could provide up to 75,000 m³/hour of additional capacity to serve new and existing business customers in these rural, underserviced areas, depending upon location. Assuming an average capacity need of less than 100 m³/hour per acre of greenhouse, the potential project could meet the gas needs of an equivalent of over 750 acres of new greenhouse demand. The potential of 750 acres of greenhouses being built in

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 2 Page 2 of 4

the area of the proposed pipeline would generate an additional \$225,000 in the municipal portion of property taxes.

The Municipality of Chatham-Kent, therefore respectfully requests that the Ontario Energy Board proceed with issuing notice on this project in order to preserve the November 1, 2019 in service date. Chatham-Kent has made contractual and financial commitments that are reliant on that in service date.

Should you have any questions on the above, please contact me at 519.360.1998 ext. 3800.

Sincerely,

John Norton General Manager, Community Development Municipality of Chatham-Kent Email: johnn@chatham-kent.ca

JN/ddb

c.c. Karen Hockin, Union Gas Limited

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 2 Page 3 of 4





October 17, 2018

Ms. Kirsten Walli Ontario Energy Board 2300 Yonge Street, 27th Floor Toronto, ON M4P 1E4

Dear Ms. Walli:

Re: Union Gas Limited Chatham-Kent Rural Project (EB-2018-0188)

Truly Green Farms/Cedarline Greenhouse has been informed by Union Gas Limited that the Natural Gas Grant Program ("NGGP") Funding through Ministry of Infrastructure is no longer available for the Chatham Kent Rural Project.

Truly Green Farms/Cedarline Greenhouses and Union Gas remain committed to this project, are actively working together on solutions that will make this project feasible without the NGGP funding.

Truly Green Farms/Cedarline Greenhouses would request that the Ontario Energy Board proceed with issuing notice on this project in order to preserve the November 1, 2019 in service date. Truly Green Farms has made contractual and financial commitments that are reliant on that in service date.

Should you have any questions on the above please contact me at 519-352-5844.

Yours Truly.

Greg Devries President Truly Green Farms and Cedarline Greenhouses

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 MEDISUN Schedule 2 Page 4 of 4

October 19, 2018

Ms. Kirsten Walli **Ontario Energy Board** 2300 Yonge Street, 27th Floor Toronto, ON M4P 1E4

Dear Kirsten:

SUBJECT: Union Gas Limited Chatham-Kent Rural Project (EB-2018-0188)

Medisun Inc. has been informed by Union Gas Limited that the Natural Gas Grant Program ("NGGP") Funding through Ministry of Infrastructure is no longer available for the Chatham Kent Rural Project.

Medisun Inc. and Union Gas remain committed to this project, are actively working together on solutions that will make this project feasible without the NGGP funding.

Medisun Inc. would request that the Ontario Energy Board proceed with issuing notice on this project in order to preserve the November 1, 2019 in service date. Medisun Inc. has made contractual and financial commitments that are reliant on that in service date.

Should you have any questions on the above please contact me at 519-809-6510.

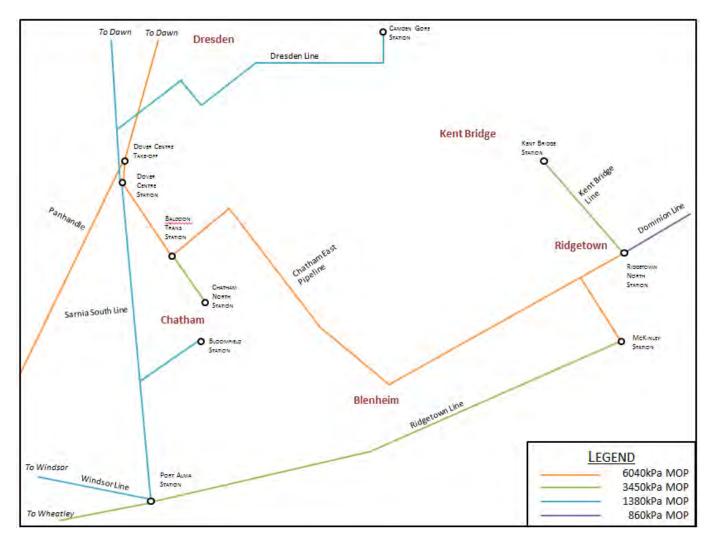
Sincerely,

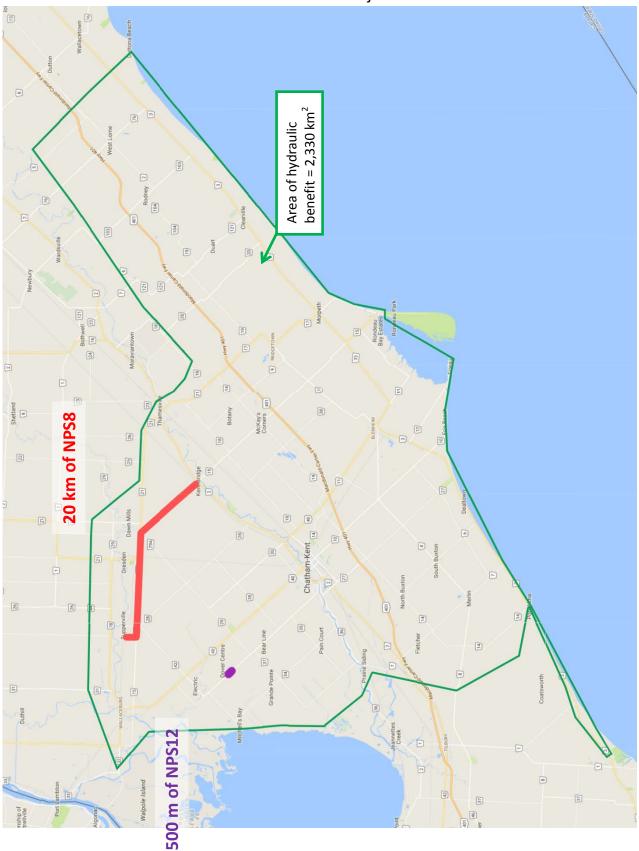
Art Caron, President MEDISUN.ca 6640 Rivard Line, Grande Pointe, ON, NOP 1S0, +1.519.809.6510

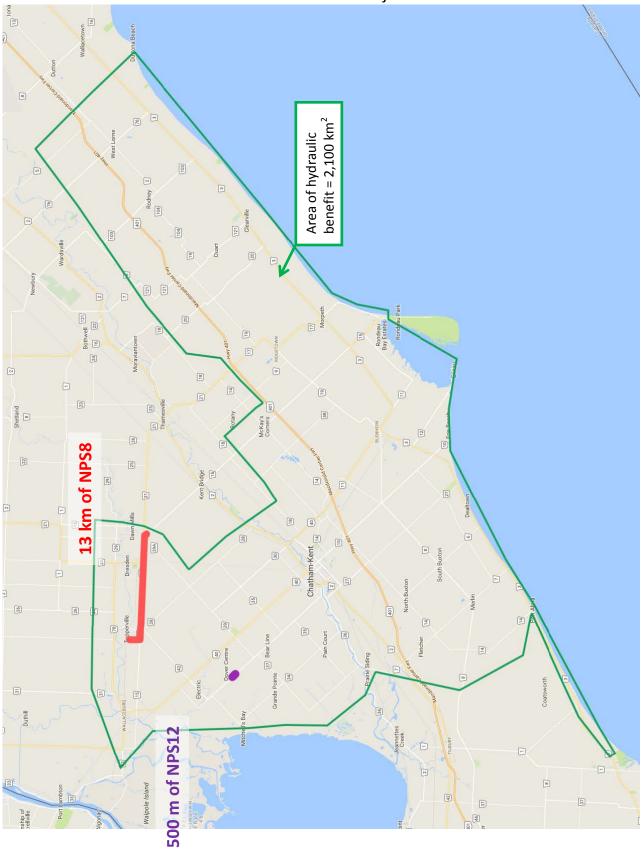


Filed: 2018-06-05 EB-2018-0188 Schedule 3

Map of Existing Chatham-Kent Pipeline Network







Filed: 2018-06-05 EB-2018-0188 Schedule 5 Page 1 of 2



«Customers<u>Legal_Name»</u> «Property_Address» «City», Ontario «Postal_Code»

Re: Commitment Letter ("CL") for the Chatham-Kent Rural Pipeline Expansion Project (the "Project")

Union Gas Limited ("**Union Gas**") is pleased to have worked cooperatively with the Municipality of Chatham-Kent and «Customers_Legal_Name» to develop a proposal to provide natural gas service to the Project. The Natural Gas Grant Program will provide the funding needed to make the Project possible. Without the funding the Project will not proceed.

The Project is located in the Municipality of Chatham-Kent and includes providing natural gas service to many new customers in this rural and underserviced area.

- <u>«Customers Legal_Name»</u> and Union Gas intend that, should Union Gas obtain the funding requested from the Natural Gas Grant Program and approval for its proposal from the Ontario Energy Board, <u>«Customers_Legal_Name»</u> and Union Gas will formalize a contract with Union Gas, or one if its affiliates, for natural gas service.
- The agreement between Union Gas and <u>«Customers_Legal_Name»</u> to enter into a contractual agreement is based on the following conditions and understanding;
 - a. The Union Gas application for 'NGGP' funding to support the Project is approved.
 - wCustomers_Legal_Name» agrees to a «Contract Term_Required_Years» year contract for natural gas service based on the conditions outlined in the attached Union Gas «Rate_Class_New» contract and an in service date of «Effective_Date ».
 - c. Natural gas service will be provided by Union Gas to <u>«Customers_Legal_Name»</u> under the terms and conditions of the appropriate rate schedule(s), which are available here: <u>https://www.uniongas.com/business/account-</u> <u>services/unionline/contracts-rates</u> (not including natural gas commodity related costs)
 - d. Firm hourly quantity of «Total_FHQ» m3/hour, firm daily contract demand of «Firm_CD» m³/day and minimum annual volume of «Total_MAV» m³.
- 3. «Customers_Legal_Name» has reviewed, and accepts the terms and conditions of the attached Union Gas contract.

P.O. Box 2001, 50 Keil Drive North, Chatham, ON, N7M 5M1 www.uniongas.com Union Gas Limited

- Any additional financial contributions required from <u>«Customers_Legal_Name»</u> to provide natural gas is limited to <u>«Aid_Required_if_applicable»</u>.
- 5. This CL shall expire at the earlier of a) January 31, 2018 or b) when the CL is replaced with a definitive contract.
- 6. Should Union Gas not receive the full amount of requested funding through the Natural Gas Grant Program for the Project, the parties agree to continue to discuss additional alternatives that may make the Project viable.
- 7. <u>«Customers Legal Name»</u> hereby warrants that it has taken all appropriate and necessary corporate action to authorise the execution of this CL and the performance of the terms hereof represents a legally binding obligation on <u>«Customers Legal Name»</u> with the exception of paragraph 1 of this CL, which indicates the Parties' intentions.
- 8. Union Gas hereby warrants that it has taken all appropriate and necessary corporate action to authorise the execution of this CL and the performance of the terms hereof represents a legally binding obligation on Union Gas, with the exception of paragraph 1 of this CL, which indicates the Parties' intentions.

If «Customers_Legal_Name» acknowledges and agrees to be bound by the foregoing, please execute below and return a copy to my attention.

Yours truly,

Union Gas Limited

Union Gas Authourized Person & Title

Acknowledged and accepted on behalf of «Customers_Legal_Name»

Ву: _____

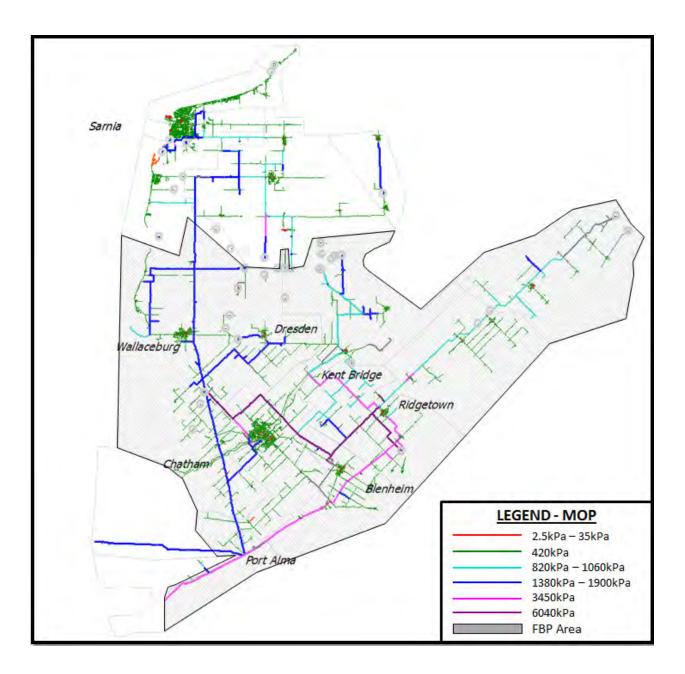
Name:

Title:

Date: _____

Filed: 2018-06-05 EB-2018-0188 Schedule 6

Facilities Business Plan Area Map



Summary of Facilities Business Plan Customer Forecast

Chatham-Kent Rural Project

Forecasted attachments based on 10 year historical averages:

Residential	Total Attachments	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
New	1901	194	195	189	189	189	189	189	189	189	189
Commercial	Total Attachments	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Small	280	28	28	28	28	28	28	28	28	28	28
Large	28	c	c	4	4	2	S	2	ε	2	2
Industrial	Total Attachments	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Small	m	1	0	1	0	0	0	0	0	0	H
Large	0	0	0	0	0	0	0	0	0	0	0
Total	2212	226	226	222	221	219	220	219	220	219	220
Total Load (m³/hr)	4521	475	463	520	508	407	457	407	457	407	420

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 7

Filed: 2018-06-05 EB-2018-0188 Schedule 8 Page 1 of 17

System Design Criteria for Reinforcement

on the

Chatham East Pipeline

Union Gas Ltd.

Table of Contents

1.0	I I I I I I I I I I I I I I I I I I I					
2.0	Assessment Guidelines					
	2.1. Validate Model					
	2.2. Establish Current and Future System Operating Criteria	4				
	2.3. Forecast Design Day Demand	4				
	2.4. Assess Existing Demands and Capacity	5				
	2.5. Identify Alternatives	5				
	2.6. Select Best Alternative	6				
	2.7. Summary	6				
3.0	Current Application	6				
	3.1. Facilities	6				
	3.1.1. Pipelines	7				
	3.1.2. Distribution Network					
	3.2. Validate Model					
	3.3. Operating Criteria					
	3.3.1. Maximum Operating Pressure	9				
	3.3.2. Minimum Delivery Pressure	9				
	3.4. Existing and Forecast Design Day Demands and Capacity					
	3.5. Identify Reinforcement Alternatives					
	3.5.1. Install a Different Diameter Pipeline	11				
	3.5.1.1. 500m NPS 10 Proposed Pipeline (Bearline Section)					
	3.5.1.2. 13km NPS 8 Proposed Pipeline (Baseline Section)					
	3.5.2. New lateral from the Panhandle Transmission System to Support					
	Chatham East Pipeline					
	3.5.3. Joining Two Previously Independent Distribution Systems					
	3.5.4. Obtaining Supply from Nearby Non-Union Pipelines 3.5.5. Looping in a Different Location					
	3.5.5.1. 500m NPS 12 Proposed Pipeline (Bearline Section)					
	3.5.5.2. 13km NPS 8 Proposed Pipeline (Baseline Section)					
	3.5.6. Demand Side Management					
	3.5.7. Selection of Best Alternative					
	3.5.8. Summary					
4.0	Conclusion	15				

1.0 DOCUMENT PURPOSE

This document sets out the guidelines, process and criteria used to review the need for reinforcement of a high pressure system operating as the primary feed to downstream distribution systems, and to select the option that best meets the system demands.

The process involves examining existing facilities, forecasting system demand, understanding system operating constraints, identifying a range of reinforcement alternatives and selecting the best alternative.

2.0 Assessment Guidelines

The process of developing a facilities reinforcement plan for a high pressure system serving many downstream systems is summarized below.

- 1. Validate Model
- 2. Establish current and future system operating criteria
- 3. Forecast design day demands
- 4. Assess existing system demands and capacity
- 5. Identify alternative ways of creating additional capacity
- 6. Select the best alternative

2.1. Validate Model

The hydraulic model for the system in question is validated against actual flow conditions to ensure it properly reflects the current demands and system operation.

2.2. Establish Current and Future System Operating Criteria

A pipeline has a number of operating criteria to ensure the system can operate within its constraints:

- Maximum Operating Pressures (MOP) by code, the pipeline cannot operate in excess of its MOP.
- Minimum Delivery Pressure the pipeline must meet all required delivery pressures for the customers it services.
- Minimum Inlet Pressure the pipeline must be able to maintain the minimum pressure requirement into downstream systems.
- Design Day Demands In Chatham-Kent, these are normally the firm and interruptible customer peak hour demands on a design day.
- Design Day Demand Profile Typically, customers consume natural gas at varying rates over a 24-hour period. Heat sensitive customers generally consume a higher volume of gas in the early morning and the late afternoon. Union is able to reflect the daily consumption pattern by developing profiles for each of its pipelines using historical data. This typical flow profile is then used to generate a peaking factor for steady state modelling which is applied to customer consumption data to generate the peak hour demands of the system.
- Weather The majority of the customers served in Union South Area are heat sensitive and their peak demand occurs on a very cold winter day. In the agriculture-heavy Chatham-Kent region, this peak demand coincides with a very cold day during the fall grain drying season. Union Gas designs its facilities to meet the demands on a very cold fall day, defined to be the design day. In this case, the fall design day temperature is -6.3 degrees Celsius, which is equivalent to a 24.3 heating degree day (HDD). The probability of a 24.3 HDD occurring in the fall is between 1% and 2%, thus reasonably ensuring Union's customers can continue to be served during the coldest fall days.

Changes in flow patterns or looping on the Panhandle system can impact the inlet pressures available to laterals off that system, which can result in differences between current operating criteria and future ones. Changes in consumption patterns within Chatham, Blenheim, Dresden, Wallaceburg, Kent Bridge, Ridgetown and Dutton ("The Market") can also impact the operating criteria.

2.3. Forecast Design Day Demand

The design day demand is the peak demand of the customers served by the pipeline. Future^{Page 5} of 17 design day demands for a 20-year period are determined using the customer attachment forecast from the Facilities Business Plan ("FBP").

The FBP is an internal planning tool used by Union for the identification of reinforcement facilities required to support forecasted growth over a specific geographic area. The FBP includes a year-by year customer attachment forecast of demands and their locations on the system. Based on this forecast, future design day demands are used to develop long term reinforcement plans.

Based on the FBP forecast, future facilities requirements for both new business and reinforcement can be identified, economically evaluated based on the Board's E.B.O. 188 guidelines, optimized and scheduled to meet the future demands on the system.

2.4. Assess Existing Demands and Capacity

The existing system is reviewed to determine the ability of the pipelines to meet the demands of current customers. If forecasted demands are expected to exceed existing capacity within 2 to 3 years (the lead time required to assess, design, obtain approval and construct facilities if required) the process continues through the following steps.

2.5. Identify Alternatives

If the existing facilities do not have sufficient capacity to meet the future demands, then a wide range of alternatives are generated. These may include, but are not limited to:

- upgrading the operating pressure of the existing lateral;
- modifying existing pressure regulating stations;
- constructing new pressure regulating stations;
- looping (reinforcing along the existing route) the existing pipeline;
- backfeeding (reinforcing through an entirely different route);
- joining two previously independent systems;
- installing compression;
- obtaining supply from nearby non-Union pipelines and producers;
- carrying out demand side management.

Filed: 2018-06-05 EB-2018-0188 Schedule 8 Page 6 of 17

2.6. Select Best Alternative

The above alternatives are established during the early stages of a reinforcement plan. All alternatives are given preliminary review for feasibility, and promising ones are organized into a key alternatives list.

Each alternative on the key alternatives list is further evaluated in detail to make a final recommendation for reinforcement.

Criteria for selecting the best alternative include, but are not limited to:

- economics;
- cost;
- construction feasibility;
- number of years of capacity created;
- reliability of supply;
- system integrity benefits;
- other benefits or shortcomings.

The resulting best alternative is carried forward for internal and external approvals.

2.7. Summary

Although each situation brings its own unique characteristics, the above guidelines set out the principles to be used for assessing the need for reinforcement of a high pressure pipeline operating as the primary feed to several other downstream systems

3.0 CURRENT APPLICATION

This section applies the assessment guidelines as discussed in Section 2.0 of the current OEB application for reinforcement of the Chatham-Kent system.

3.1. Facilities

EB-2018-0188 Schedule 8 The following section will describe the facilities of the Chatham East Pipeline and Dresden² Line, including the pipelines and delivery locations.

Filed: 2018-06-05

3.1.1. Pipelines

The Chatham Transmission system is fed from the Panhandle Transmission System ("Panhandle") through the Dover Centre Take-off which is located between the Dawn Hub ("Dawn") and the Dover Transmission Station. This section of Panhandle consists of an NPS 20 pipeline installed in 1972 and an NPS 36 pipeline installed in 2017 and operates at a MOP of 6040kPag.

The Chatham East Pipeline is fed primarily by a single NPS 8 high pressure pipeline that was installed in 1963 and extends from the Dover Centre Take-off to the Dover Centre Station ("Dover Centre"). This 500m NPS 8 pipeline operates at a MOP of 6040kPag and is currently a large flow restriction at the beginning of the Chatham East Pipeline. At Dover Centre, flow from this lateral is fed into four different pipelines, with regulators reducing the pressure into three of these pipelines.

The first pipeline supplied by Dover Centre Station is an NPS 12 pipeline operating at a MOP of 6040kPag known as the Chatham East Pipeline. The Chatham East Pipeline, installed from 1974-1975, stretches over 60km from Dover Centre Station to Ridgetown North Station ("Ridgetown N"), with a combination of NPS 12, NPS 10 and NPS 8 pipelines all operating at a MOP of 6040kPag. The Chatham East Pipeline is the primary feed to the majority of customers in The Market.

The second feed out of Dover Centre Station is an NPS 10 pipeline with a MOP of 1380kPag known as the Sarnia South Line. This pipeline spans over 60km from the Dawn West Line (located at Bentpath Road) to Port Alma and, within Chatham-Kent, is the primary source of gas for the northern and western regions of The Market including Wallaceburg, Chatham, Dresden and Grande Pointe. The northern 10km of the Sarnia South Line is supplied by Dawn and the southern 50km of this pipeline is supplied primarily by Dover Centre Station.

The third and fourth feeds are NPS 2 and NPS 4 pipelines installed in 1980 and 2004^{Page 8 of 17} respectively, operating at a MOP of 420kPag serving residential and small commercial customers in the vicinity of Dover Centre Transmission Station.

The Dresden Line is fed from the Sarnia South Line through a connection at Bush Line and Baldoon Rd, located approximately 3km North of Dover Centre Station. The Dresden Line consists of a combination of NPS 6, NPS 4 and NPS 3 pipelines operating at a MOP of 1380kPag and feeds the regions of Dresden, Dawn Mills and Tupperville.

3.1.2. Distribution Network

The distribution network supplied by the Chatham East Pipeline feeds the Chatham, Blenheim, Dresden, Kent Bridge and Ridgetown regions through numerous distribution stations. The supply from the Chatham East Pipeline is also fed into other distribution systems such as the Sarnia South Lines via Dover Centre Station, and the Dominion Line via Ridgetown N.

In addition to the areas outlined in 3.1.1, the Sarnia South Line also supplies gas into Port Alma Station. This station acts as a primary feed for the Port Alma area, a backfeed for the Windsor Line (which spans from Port Alma to Grand Marais Rd in Windsor) and a backfeed for the Blenheim, Wheatley and Morpeth areas. The Dominion Line supplies customers in Rodney, West Lorne and Dutton with the London distribution network providing a backfeed for customers along the Dominion Line

3.2. Validate Model

The Chatham-Kent hydraulic model was last validated in August 2017 based on actual flow conditions from December 15, 2016, which was a 33.3 DD. Pressures were verified within 5% of MOP at SCADA monitored station inlets and contract customer sites.

3.3. Operating Criteria

Filed: 2018-06-05 EB-2018-0188 Schedule 8 The following section will describe the operating criteria of the Chatham East Pipeline and Page 9 of 17 the Dresden Line.

3.3.1. Maximum Operating Pressure

The maximum operating pressure (MOP) of the NPS 8 high pressure pipeline and the Chatham East Pipeline system is 6040 kPag. The MOP of the Sarnia South Line and Dresden Line is 1380 kPag.

3.3.2. Minimum Delivery Pressure

There are three key locations along the Chatham-Kent system where system pressures must be maintained above a specific minimum pressure during a design day. These locations are the inlet pressures to Ridgetown North Station, Port Alma Station and Camden Gore Station.

The first key location, Ridgetown North Station, is found at the end of the Chatham East Pipeline, approximately 50km away from Panhandle at the Dover Centre Take-off. Ridgetown North Station is supplied solely by the Chatham East Pipeline. This station reduces the pressure into three distribution systems – the 3450kPag MOP Kent Bridge system, the 860kPag MOP Dominion Line and the 420kPag MOP distribution system in Ridgetown. Due to the pressure requirements into the Kent Bridge system, the required minimum required inlet pressure to Ridgetown North Station is 3140 kPag.

The second key location, Port Alma Station, is found at the southern point of the Sarnia South Line. This station reduces the pressure into three distribution systems – a 3450kPag MOP system that runs along the southern edge of Chatham-Kent from Wheatley to Morpeth, the 1380kPag MOP Windsor Line and a 420kPag MOP distribution system serving small customers in the vicinity of Port Alma Station. The Port Alma Station operates as a supporting feed for both the 3450kPag system and the 1380kPag Windsor line, supplying gas into both systems at a set pressure of 900kPag. Due to the required outlet pressures to support both high pressure distribution systems, the minimum required inlet pressure to Port Alma Station is 1000 kPag. The third key location, Camden Gore Station, is found in the Dawn Mills area at the end ¹⁰ of 17 of the Dresden Line. Camden Gore Station supplies a 420kPag MOP distribution system in the vicinity of the station. The minimum inlet into Camden Gore Station is 550kPag.

As the system demand increases, flow rates in the high pressure pipelines, such as the Chatham East Pipeline and the Dresden Line, increase resulting in larger pressure losses. These pressure losses lead to a decrease in the inlet pressure supplied to Ridgetown North Station, Port Alma Station and Camden Gore Station.

The pressure regulation at the Dover Centre Station currently operates at the maximum sustainable pressure allowed by the station and the downstream pipeline. Increasing the outlet pressure into the Sarnia South Line and Dresden Line to accommodate system growth is not possible.

Additionally, the Panhandle system limits the pressure available to the Dover Centre Take-off to a minimum of 4689kPag under fall design day conditions. The Chatham East Pipeline currently operates at this minimum pressure and limits the capacity available for growth.

Based on the identified forecast, the Chatham East Pipeline system requires reinforcement prior to the fall of 2019. A visual representation of the Chatham East Pipeline with Proposed Facilities and without Proposed Facilities and the minimum inlet pressures into the three key locations can be found at Schedule 1 of this report.

3.4. Existing and Forecast Design Day Demands and Capacity

The design day demands for the Chatham system were developed from the Chatham FBP Study.

3.5. Identify Reinforcement Alternatives

Pipeline Reinforcement:

3.5.1. Install a Different Diameter Pipeline

3.5.1.1. 500m NPS 10 Proposed Pipeline (Bearline Section)

Union reviewed whether an NPS 10 pipeline was adequate to serve the forecasted growth in the greater Chatham-Kent area. This option was deemed undersized due to the pressure drop that would result between the start and end points of this pipe. The NPS 10 also presents continuity issues for the Chatham East Pipeline as it would require launcher and receiver sites at either end in order to complete inline inspection. In addition, the NPS 10 triggered the next phases of reinforcement one year earlier than the NPS 12 option and was therefore rejected.

Union also reviewed whether an NPS 16 pipeline should be installed. It was determined that there is not sufficient proposed growth in the Chatham-Kent area to justify an NPS 16 pipeline. Installing an NPS 16 would also present the same continuity issues as the NPS 10 option, as it would require dedicated launcher and receiver sites for the 500m segment of pipeline. As a result, the NPS 16 option was rejected.

3.5.1.2. 13km NPS 8 Proposed Pipeline (Baseline Section)

To identify why an NPS 8 pipeline was selected as the best alternative, it is first necessary to explain the impact and the potential future phase of the proposed new lateral from Panhandle. The proposed 13km lateral will extend from Panhandle at the Simpson Rd Valve Site and tie into the Dresden Line at Kent Bridge Line and Base Line Rd through a pressure reducing station. This new pipeline will offer a new source of gas in close proximity to the system low point at Camden Gore Station resulting in higher pressures and increased capacity in the Dresden region. Additionally, this new feed will offset load requirements from the Chatham East Pipeline as this region was supplied primarily through Dover Centre Station.

Looking to the future, Union plans to extend the proposed 13km by another 8km and Page 12 of 17 install a pressure reducing station in order to tie into the 3450kPag Kent Bridge System. Presently the Kent Bridge system is single pipeline fed by the Ridgetown North Station. It can only support very limited growth as there are several large commercial and contract customers in the vicinity of the Kent Bridge Station. Extending the proposed pipeline by another 8km will provide system-wide benefit by providing a backfeed into the Kent Bridge system. This will allow new commercial and industrial growth on the Kent Bridge system and downstream communities. The second feed into this system will also offset significant load (~6,000 m³/h of capacity) from the Chatham East Pipeline, allowing this capacity to be redirected to communities further upstream along the Chatham East Pipeline such as Chatham, Blenheim. This 6,000m³/h will translate into an effective capacity of approximately 14,000m³/h.

Union reviewed whether an NPS 6 pipeline was adequate to serve the identified and forecasted growth in the Dresden region. It was determined that installing an NPS 6 pipeline would eliminate the possibility of extending the pipeline 8km to Kent Bridge Station as an NPS 6 would be unable to serve the identified demand on the system. As a result, this option was rejected.

Union also reviewed whether an NPS 10 pipeline should be installed. It was determined that there is not sufficient growth in the Dresden and Kent Bridge regions to justify installing an NPS 10 pipeline, even when considering the potential future extension. As a result, this option was also rejected.

3.5.2. New lateral from the Panhandle Transmission System to Support the Chatham East Pipeline

Union reviewed building a new line from the existing Panhandle Transmission System that would provide another feed into the Chatham East Pipeline. This new lateral would be significantly longer in length than the proposed NPS 12 500m "Bearline" option. It would also require launching and receiving sites for future integrity work. Therefore this option was eliminated.

3.5.3. Joining Two Previously Independent Distribution Systems

Filed: 2018-06-05

3.5.4. Obtaining Supply from Nearby Non-Union Pipelines

There are currently no nearby non-Union pipelines with a capacity large enough to accommodate the present needs and future growth in Chatham-Kent. Union evaluated the option of tying the Dresden Line into Enbridge's Chatham D Pool to increase the peak demand capabilities of the system. It was determined the storage pool cannot adequately supplement the peak demand of the Dresden Line to meet fall or winter flow requirements. This alternative was therefore eliminated.

Union also evaluated the alternative of guaranteeing supply from a local producer. The largest producer in the Chatham-Kent area is located in Morpeth and the production rate is not sufficient to accommodate the current and future demands in the Chatham-Kent region. The production from this supplier is also not consistent enough to rely on while designing the gas distribution system. Therefore this alternative was also eliminated.

3.5.5. Looping in a Different Location

3.5.5.1. 500m NPS 12 Proposed Pipeline (Bearline Section)

Looping the Chatham East Pipeline system downstream of Dover Centre Station was considered as a reinforcement alternative to reduce the pressure loss in the 6040 kPag MOP Chatham East Pipeline system. The alternative downstream reinforcement would be to install 5000m NPS 10 6040kPag, which would generate the same increase in capacity as the proposed design alternative. This is due to the NPS 8 flow restriction upstream of Dover Centre Station. Due to the significantly larger scope of work and higher cost, this option was also eliminated.

3.5.5.2. 13km NPS 8 Proposed Pipeline (Baseline Section)

Looping the Sarnia South Line was reviewed as an alternative to the proposed new lateral from the Panhandle Transmission Line. This option was rejected as it would require

EB-2018-0188 Schedule 8 approximately 18km of NPS 10 ST and would not be able to service the same amount of growth as the proposed project.

Filed: 2018-06-05

3.5.6. Demand Side Management

Union reviewed the alternative of implementing Demand Side Management ("DSM") for customers in the Chatham-Kent area in order to reduce present and future loads on the system. On a fall design day in the agriculture-heavy Chatham-Kent area, grain dryers are responsible for 43% of the entire systems' consumption. As this load is process-oriented and implementing new equipment would present challenges for customers due to both cost and lead times, it was determined that DSM would not substantially impact the grain drying loads in the near future. It was also determined that due to the high impact of these grain drying loads, even significant DSM reductions in consumption for residential and small commercial would not show an appreciable impact on the need for the proposed project due to their relatively small market share. As a result, this alternative was also eliminated from consideration.

3.5.7. Selection of Best Alternative

Union proposes that the best alternative, of all considered, is to build both the Bearline and Baseline options consisting of 500m of NPS 12 and 13km of NPS 8 operating at a MOP of 6040 kPag.

The Bearline option will loop the existing NPS 8 pipeline with a MOP of 6040kPag running from the Dover Valve Site to Dover Centre. This option was chosen as it offers the lowest cost and smallest scope of work while also providing significant capacity gain by alleviating the current flow restriction between the Dover Centre Take-off and Dover Centre Station.

The Baseline option will provide a new lateral from Panhandle, feeding into the Dresden Line through a pressure reducing station. This option was selected as it alleviates a significant system constraint at Camden Gore Station while also providing incremental capacity to meet identified and forecasted growth off of the Dresden Line. This option also offers the possibility to extend the pipeline 8km to Kent Bridge, which would provide additional benefit to the Chatham East Pipeline by offsetting significant load.

3.5.8. Summary

Union reviewed a number of alternatives including a different diameter pipeline, a new lateral from Panhandle, looping the existing system in a different location, obtaining supply from other non-Union suppliers and connecting existing distribution systems.

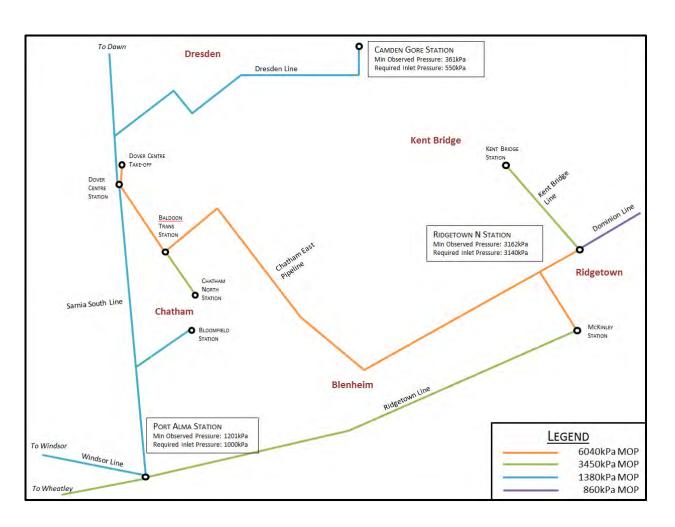
Union proposes to construct the best alternative which is a 500m looping of the existing NPS 8 6040 kPag MOP lateral with an NPS 12 6040kPag MOP pipeline and a new 13km NPS 8 6040kPag MOP lateral from the Panhandle easterly to feed into the Dresden Line. The proposed NPS 12 loop will run from the Dover Centre Take-off, located at 26131 Bear Line Rd, to Dover Centre Station, located at 8012 Dover Centre Line. The proposed NPS 8 lateral will extend from the Simpson Rd Valve Site to a new distribution station located at Kent Bridge Rd and Base Line.

4.0 CONCLUSION

Union uses a number of criteria to review the need for reinforcement of a high pressure pipeline operating as the primary feed to several other downstream systems.

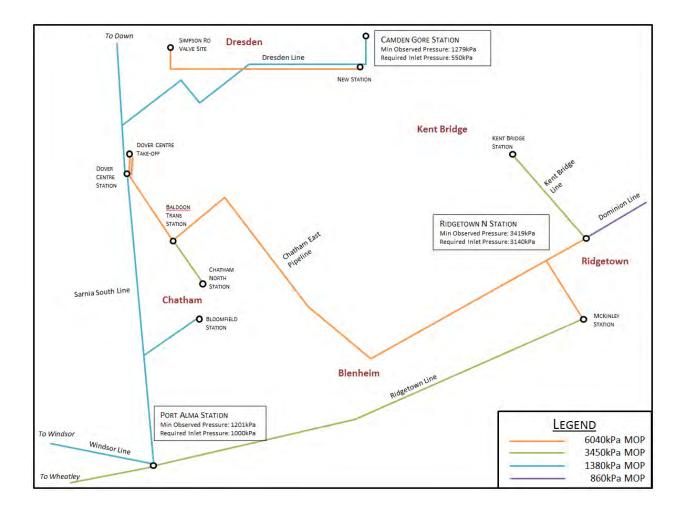
The process involves examining existing facilities, forecasting system demand, and understanding system operating criteria in order to identify a number of reinforcement alternatives. These alternatives are then investigated at varying levels of detail depending upon project feasibility including engineering, cost, and environmental considerations, and security of supply.

Through this process, Union has identified the most efficient project to provide The Market with higher pressures and more robust gas supplies in order to meet the growing demand across the Chatham Kent region. This project is to install a 500m NPS 12 6040kPag high pressure pipeline from the Dover Centre Take-off to Dover Centre Station and a 13km NPS 8 6040kPag high pressure pipeline from the Simpson Rd Valve Site to Kent Bridge Rd and Base Line.



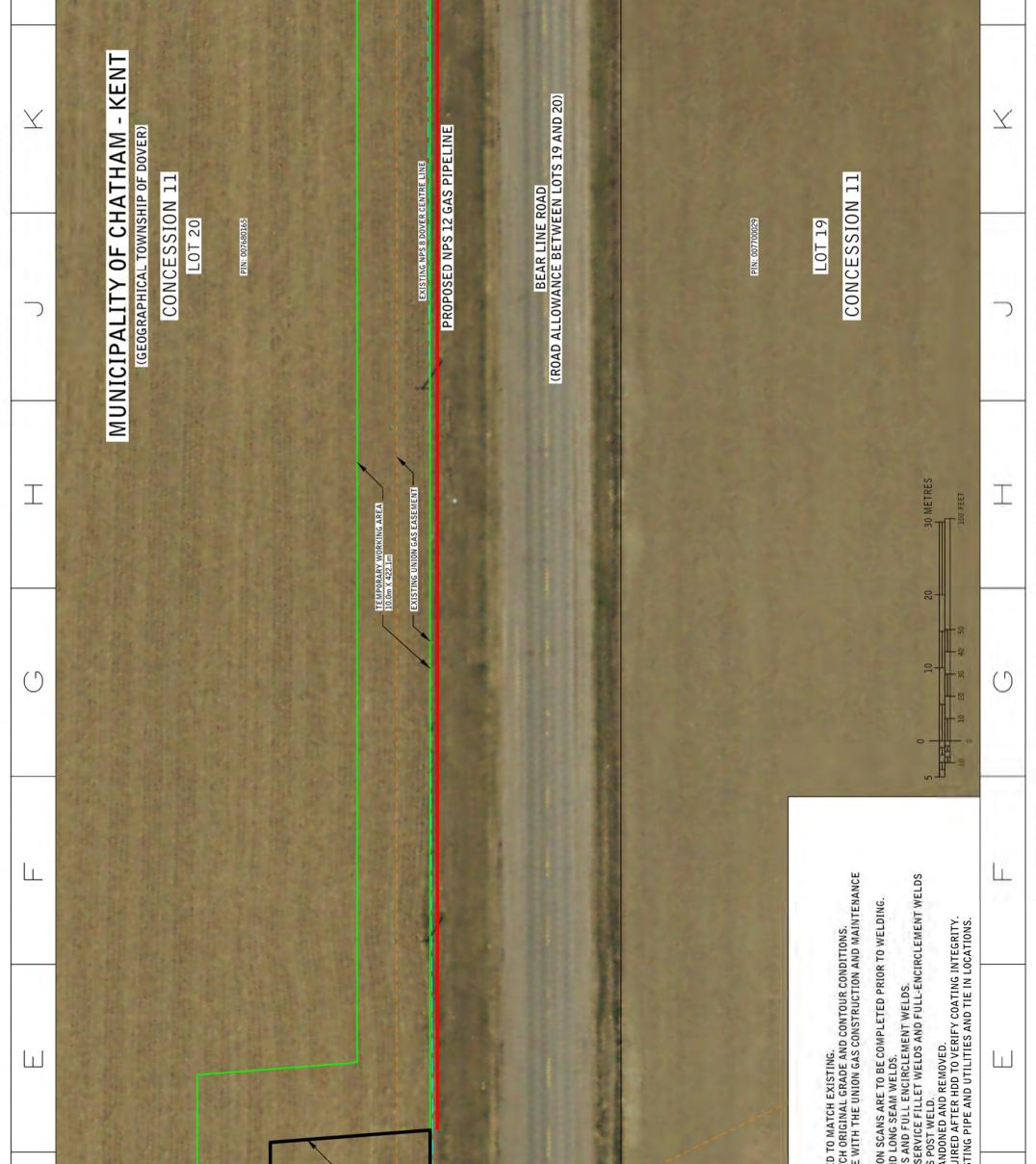
Fall 2019 System Operating Parameters – Without Proposed Facilities

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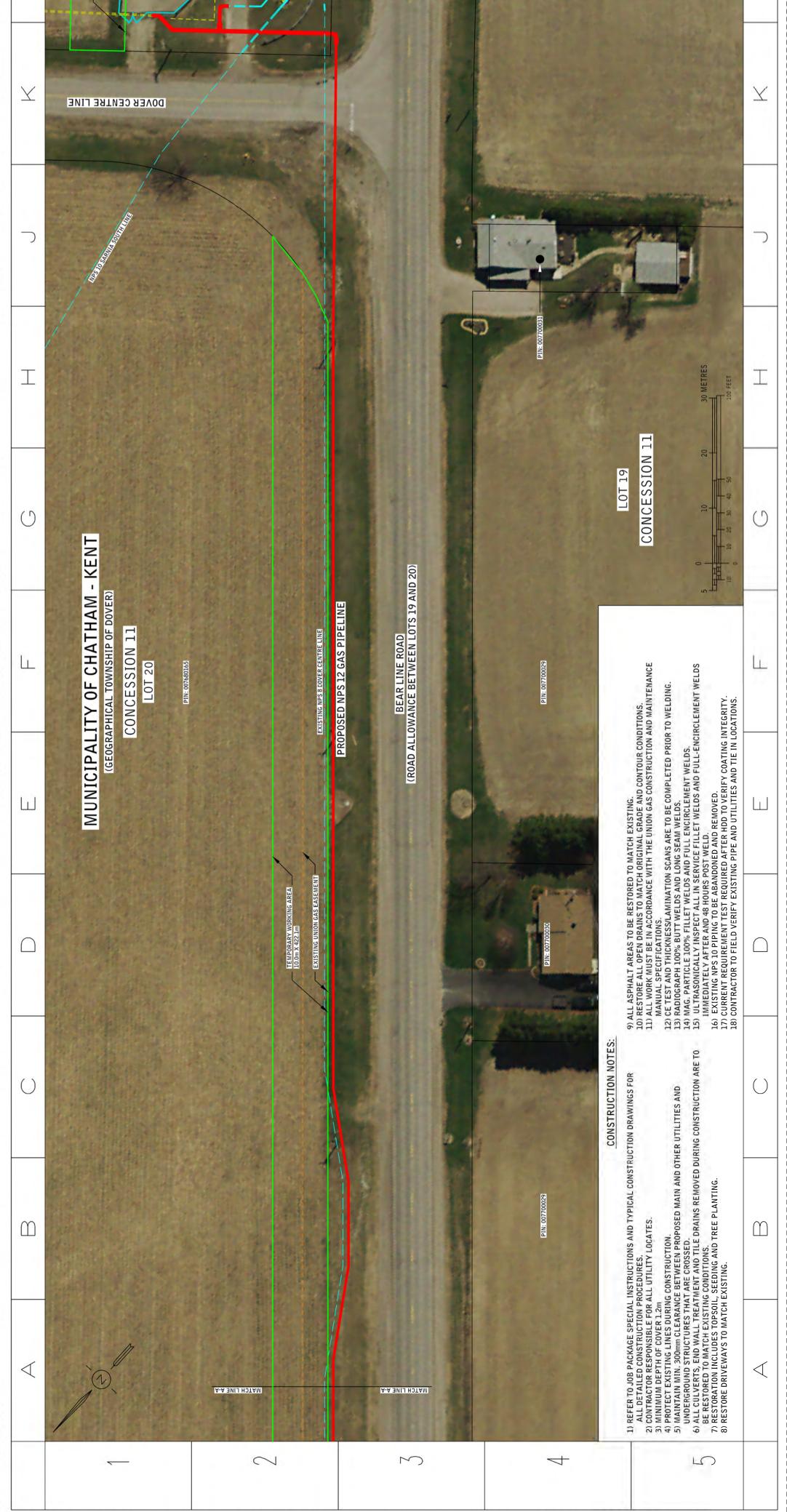
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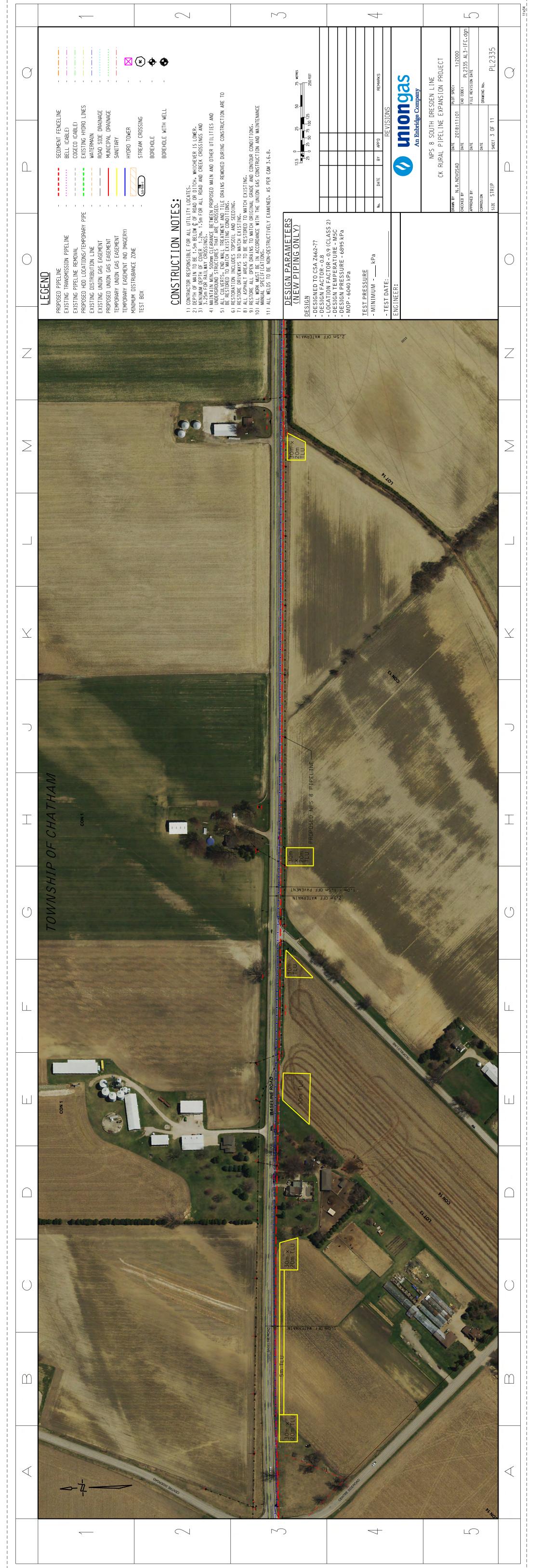




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Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 10 Redacted Page 2 of 11



Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 10 Redacted Page 3 of 11



Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 10 Redacted Page 4 of 11



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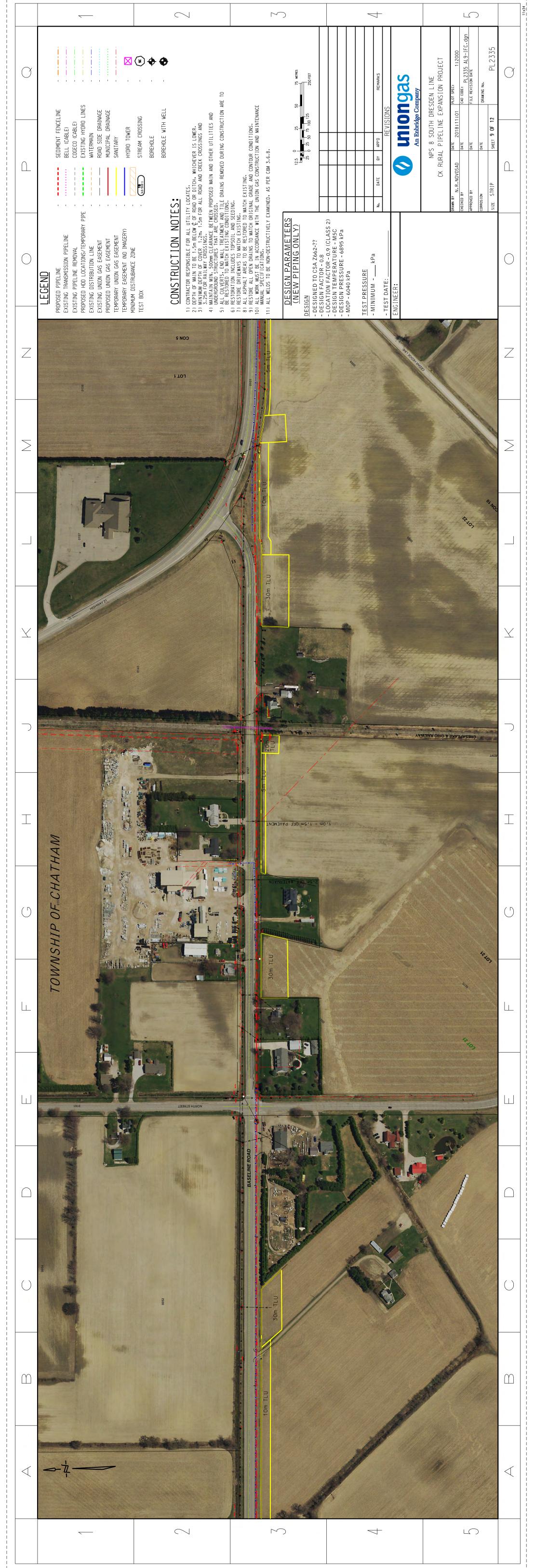
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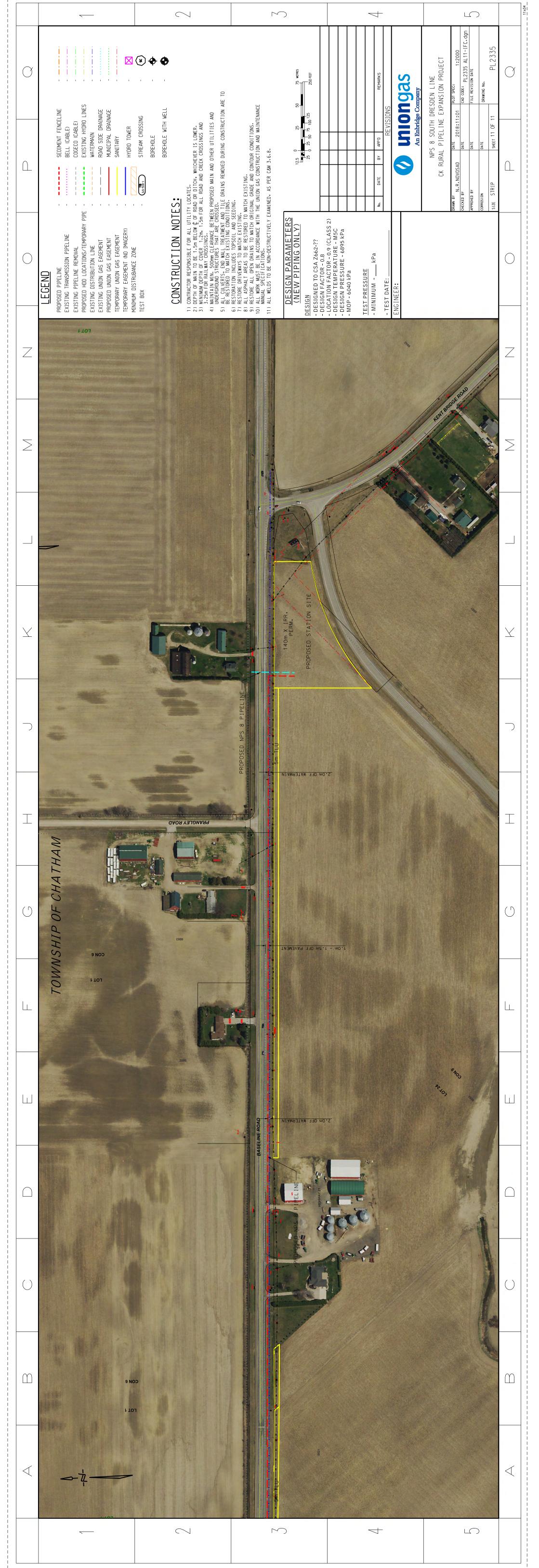
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Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 10 Redacted Page 9 of 11



Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 10 Redacted Page 10 of 11



Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 10 Redacted Page 11 of 11

Ministry of Infrastructure

Office of the Minister

Hearst Block, 8th Floor 900 Bay Street Toronto, Ontario M7A 1L2 Telephone: 416-325-6666 Fax: 416-314-5464

DEC 0 8 2017

Ms. Sarah Van Der Paelt Director, Business Development Union Gas Ltd. 50 Keil Drive North Chatham, Ontario N7M 5M1 <u>svanderpaelt@uniongas.com</u>

Dear Ms. Van Der Paelt:

I am pleased to inform you that two of your projects have been selected for conditional funding approval under the Natural Gas Grant Program, resulting in total project funding of \$9,600,000.00.

These approvals are conditional upon the projects obtaining final approval from the Ontario Energy Board (OEB), as applicable, following which Union Gas Ltd. will be eligible to enter into two Transfer Payment Agreements with the province.

Once the respective agreements are signed by Union Gas Ltd. and subject to the related terms and conditions, the province will provide funding towards the total eligible project costs of each project, as described in the table below:

Project Title	Maximum Provincial Contribution
Chatham-Kent Rural Pipeline Expansion	\$8,000,000.00
Natural Gas Access Northern Mining Operation	\$1,600,000.00

The provincial contribution is limited to these specific projects (i.e. funds are non-transferable).

This information should be kept confidential until such time as the government has announced funding for these projects.

The intake was highly competitive. Applications representing over \$500 million in proposed funding were received for the \$100 million program. As a result, a number of projects could not be funded. The Ministry of Infrastructure used a robust evidence-based process and relied on technical experts from a number of provincial ministries to assess applications. For further details on the evaluation criteria, please consult the program guidelines available on Infrastructure Ontario's website: www.infrastructureontario.ca/NGGP/.

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 11 Page 1 of 9



Our File: UNG-NGGP2017

Bureau du ministre

Édifice Hearst, 8º étage 900, rue Bay Toronto (Ontario) M7A 1L2 Téléphone : 416 325-6666 Télécopieur : 416 314-5464

Ministère de l'Infrastructure

Please note the municipalities or First Nations who passed a council or band resolution supporting specific projects will be notified of the assessment outcome for those projects and have been encouraged to reach out directly to Union Gas Ltd. should they have any questions.

Agency staff are available to provide additional details on your project(s) assessment(s). To facilitate, or should you have any questions, please do not hesitate to contact Infrastructure Ontario by phone at 1-844-357-0725 or by email at nggp@infrastructureontario.ca.

Congratulations on your successful applications and we look forward to working with you as you implement these projects.

Sincerely,

_____1

Bob Chiarelli Minister

c: Mr. Jeff O'Krucky, Director of New Business, Union Gas Ltd.

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 11 Page 3 of 9

Ministry of Infrastructure

Infrastructure Policy Division

777 Bay Street, 4th Floor, Suite 425 Toronto, Ontario M5G 2E5 Ministère de l'Infrastructure

Division des politiques infrastructurelles

777, rue Bay, 4 étage, Suite 425 Toronto (Ontario) M5G 2E5



Our File: UNG-NGGP2017

September 26, 2018

Ms. Sarah Van Der Paelt Vice President Sales, Marketing and Customer Care Union Gas Ltd. 50 Keil Drive North Chatham, Ontario N7M 5M1 <u>svanderpaelt@uniongas.com</u>

Dear Ms. Van Der Paelt:

I am writing to inform you that the Province is moving forward with a new policy approach for the expansion of natural gas, and funding for the Natural Gas Grant Program will be reallocated to other areas.

The Province will continue to honour the Transfer Payment Agreement executed for the following project:

Project Title	Maximum Provincial Contribution
Moraviantown First Nation Commercial Area	\$311,467.00

However, the Province will not be executing any new Transfer Payment Agreements under the Natural Gas Grant Program. Consequently, we will not be providing any funding for the following projects:

	Project Title
	pewa of the Thames Nation
Nort	n Shore and Peninsula ds
Saug	geen First Nation
	ham-Kent Rural
	line Expansion
	ral Gas Access nern Mining Operation

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 11 Page 4 of 9

The Province is considering how to address the ongoing demand for natural gas infrastructure in the most efficient and effective way possible. The Province has introduced Bill 32, the proposed *Access to Natural Gas Act, 2018.* If passed, this legislation would enable the creation of a Natural Gas Expansion Support Program to facilitate the expansion of natural gas in Ontario. The proposed program would collect a small amount per month from natural gas customers throughout the province to support natural gas expansion. It is also intended that the Ontario Energy Board would continue to play its important role regarding any necessary approvals that are required in relation to projects related to natural gas expansion.

Exact details about the program, including the rules for calculating the charge and which customers would be eligible to receive support would be set out in regulations, if the legislation is passed. More information about the proposed program is anticipated to be forthcoming in the near future.

Should you have any questions regarding current projects, please do not hesitate to call 1-844-357-0725 or email nggp@infrastructureontario.ca.

Sincerely,

Julia Danos Director, Intergovernmental Policy Branch Ministry of Infrastructure

c: Mr. Jeff O'Krucky, Director, New Business Mr. Jeff Hodgins, Manager, Business Development

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 11 Page 5 of 9

Ontario Energy Board P.O. Box 2319 27th Floor 2300 Yonge Street Toronto ON M4P 1E4 Telephone: 416- 481-1967 Facsimile: 416- 440-7656 Toll free: 1-888-632-6273 Commission de l'énergie de l'Ontario C.P. 2319 27e étage 2300, rue Yonge Toronto ON M4P 1E4 Téléphone: 416-481-1967 Télécopieur: 416- 440-7656 Numéro sans frais: 1-888-632-6273



BY E-MAIL

November 29, 2018

Karen Hockin Manager, Regulatory Initiatives Union Gas Limited P.O. Box 2001 50 Keil Drive North Chatham, Ontario N7M 5M1 khockin@uniongas.com

Dear Ms. Hockin:

Re: Union Gas Limited Applications for 2019 Community Expansion Project (EB-2018-0142), Chatham-Kent Rural Project (EB-2018-0188) and Taylor Mine Project (EB-2018-0189)

This letter is to advise Union Gas Limited (Union Gas) that the Ontario Energy Board (OEB) is placing into abeyance the above-noted applications for the 2019 Community Expansion, Chatham-Kent Rural and Taylor Mine projects.

Union Gas filed an application for the 2019 Community Expansion project on May 8, 2018, and applications for the latter two projects on June 5, 2018. Each of the applications specifically refers to, and is underpinned by, funding under the Ontario Ministry of Infrastructure's Natural Gas Grant Program (NGGP).

On October 9, 2018, Union Gas filed a letter with the OEB stating that it had been informed by the Ministry of Infrastructure that NGGP funding was no longer available for the three projects. Union Gas also noted that the Province has introduced Bill 32, the proposed *Access to Natural Gas Act, 2018*, which (if passed) would enable the expansion of natural gas to additional communities in Ontario.

Union Gas has requested that the OEB hold the 2019 Community Expansion project application in abeyance until such time as the proposed *Access to Natural Gas Act, 2018* and associated regulations are finalized. However, Union Gas has also requested

that the OEB proceed with issuance of Notice for the Chatham-Kent Rural and Taylor Mine projects, and noted that it was continuing to work with the customers for these projects to look for solutions to move the projects forward absent the original NGGP funding. The OEB is also in receipt of correspondence from three interested parties all similarly requesting that the OEB proceed with issuance of Notice for the Chatham-Kent Rural project, and each noting that contractual and financial commitments have been made in reliance on a November 1, 2019 in-service date.

The OEB recognizes the importance of the timing of any necessary OEB approvals for Union Gas' implementation plans. However, given that the applications as filed are currently underpinned by funding that will no longer be available under the NGGP, it appears that the applications cannot proceed as filed. The OEB will therefore hold each above-noted application in abeyance until such time as it is either withdrawn or amended to enable issuance of a Notice of Hearing that accurately reflects the underpinnings of the application. The OEB is committed to resuming the processing of any amended and complete applications in an expeditious manner.

Yours truly,

Original signed by

Rudra Mukherji Associate Registrar Office of the Registrar





Ministry of Infrastructure

Ontario Expanding Access to Natural Gas in Chatham-Kent

New natural gas pipelines will save people money, create jobs March 11, 2019 11:15 A.M.

DRESDEN — Ontario's Government is working for the people to lower heating costs, create jobs and make businesses more competitive by expanding access to natural gas in Chatham-Kent.

Minister of Infrastructure Monte McNaughton, and Rick Nicholls, MPP for Chatham-Kent-Learnington, made the announcement at Cedarline Greenhouses, a company in Chatham-Kent that will be able to grow its business with this new expansion.

"Our priority is creating and protecting good jobs for the people of Ontario," said Minister McNaughton. "By lowering energy costs, we're making businesses more competitive and sending the clear message that Ontario is open for business to create good jobs."

The government's new program is intended to enable natural gas expansion in the community of Chatham-Kent, including the construction of two new transmission pipelines and supporting distribution mains.

The Chatham-Kent project could expand natural gas to an estimated 1,300 households and 200 businesses. The municipality estimates the additional natural gas capacity could bring an estimated 1,400 jobs in the greenhouse industry alone. Switching from propane, electric heat or oil to natural gas can also save an average residential customer between \$800 and \$2,500 a year.

"The gas lines we are celebrating today will increase the local capacity of natural gas by the equivalent of an additional 350 acres of greenhouse," said Greg Devries, President and CEO of Truly Green Farms and Cedarline Greenhouses. "For every acre of greenhouse constructed, at least two direct jobs and two indirect jobs are created. This natural gas project is a great example of how infrastructure stimulates the economy."

"The Natural Gas Expansion Support Program will help businesses in rural and Northern Ontario, including First Nations, cut energy costs, improve their competitiveness and attract more investment," said Greg Rickford, Minister of Energy, Northern Development and Mines. "It will also help expand the natural gas distribution network to households, making life more affordable for families."

QUOTES

" Pleased to stand with Minister McNaughton on this exciting natural gas announcement that will benefit rural and Northern Ontario, including First Nations. Access to natural gas will be more cost effective for families, putting more money back in their pockets plus making and creating more businesses and employment opportunities in Ontario."

- Rick Nicholls

MPP for Chatham-Kent-Learnington

"We have turned away investment in Chatham-Kent in the past because we did not have natural gas capacity. This pipeline is going to open up great opportunities in our community and create much-needed jobs. "

- Stuart McFadden

Director of Economic Development Services for Chatham-Kent

" The greenhouse sector of our agri-economy has been doubling in size every six years and this initiative by the Government of Ontario, Enbridge, Cedarline Greenhouses and Chatham-Kent ensures that growth will continue. Strategic investment in infrastructure pays dividends and we will continue to invest in our community. Chatham-Kent remains a leader in agricultural innovation and is evidence that we continue to grow for the world. "

- Darrin Canniff

Chatham-Kent Mayor

" Expanding access to reliable and affordable natural gas provides a tremendous opportunity to drive economic development and enhance the quality of life and prosperity of Ontario families and businesses. The government's announcement today is an important step in expanding access to natural gas in Chatham-Kent and we look forward to moving this project forward."

- Jim Sanders

Senior Vice-President of Operations for Enbridge Gas

QUICK FACTS

- Chatham-Kent is the first community to be named as a recipient under the expansion program, which is targeted to begin in summer 2019. The program, which will be facilitated by the Independent Electricity System Operator, is designed to expand natural gas access to more parts of rural and Northern Ontario, including First Nations communities.
- The Chatham-Kent project is being led by Enbridge Gas Inc., Canada's largest natural gas distribution utility, which serves approximately 3.7 million residential and business customers in Ontario.
- Additional projects that are ready to move forward may be eligible to receive funding under the new program, subject to regulatory approval from the Ontario Energy Board.

LEARN MORE

- Province Brings Affordable Heating to Rural Ontario
- Province Bringing Jobs and Affordable Heating to Northern Ontario
- Affordable Heating on the Way: Ontario Passes Legislation to Expand Access to Natural Gas
- Ford Government to Help Expand Access to Natural Gas
- Relief on the Way: Ontario Passes Legislation to End Cap and Trade Carbon Tax

Sofia Sousa-Dias Communications Branch Sofia.Sousa-Dias@ontario.ca Brittany Allison Minister's Office Brittany.Allison@ontario.ca Available Online Disponible en Français

Chatham Kent Rural Project

Total Estimated Pipeline Capital Costs

Pipeline and Equipment		
13km of NPS 8 Steel Pipe	\$1,240,000	
Valves, Fittings and Miscellaneous Material	\$758,000	
500m of NPS 12 Steel Pipe	\$51,000	
Valves, Fittings and Miscellaneous Material	\$51,000	
Total Pipeline and Equipment		\$2,100,000
Construction and Labour		
Install 13km of NPS 8 Steel Pipe		
Welding, Boring, Trenching, and Testing	\$8,841,000	
Company Labour, X-Ray, Construction Survey, Legal,		
Mill Inspection and Consultants	\$2,596,000	
Easements, Lands, Damages & Regulatory	\$1,023,000	
Install 500 meters of NPS 12 Steel Pipe		
Welding, Boring, Trenching, and Testing	\$1,118,000	
Company Labour, X-Ray, Construction Survey, Legal,		
Mill Inspection and Consultants	\$623,000	
Easements, Lands, Damages & Regulatory	\$137,000	
Total Construction and Labour		\$14,338,000
Total Pipeline Equipment and Construction and Labour		\$16,438,000
Contingency	\$2,492,000	
Interest During Construction	\$170,000	
Total Estimated Pipeline Capital Costs – 2019 Construction		\$19,100,000

Chatham-Kent Rural Project InService Date: Nov-01-2019										
Project Year (\$000's)	۲I	2	က၊	41	וטי	9	7	∞ı	ഖ	<u>10</u>
<u>Cash Inflow</u> Revenue	886	912	1,165	1,193	1,454	1,700	1,923	1,923	1,923	1,889
Expenses: O & M Expense	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Municipal Tax	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)
Income Tax	ю	64	(63)	(87)	(172)	(247)	(316)	(329)	(341)	(342)
Net Cash Inflow	786	873	666	1,002	1,179	1,349	1,503	1,491	1,479	1,443
Cash Outflow Incremental Capital Change in Working Capital	16,239 0	(3,641) -				500				
Cash Outflow	16,239	(3,641)			.	500		.		
Cumulative Net Present Value Cash Inflow	766	1,576	2,457	3,299	4,240	5,265	6,352	7,376	8,344	9,242
Cash Outflow	10,239	12,110	12,110	12,110	12,110	13,100	13,100	13,100	13,100	13,100
NPV By Year	(15,473)	(11,200)	(10,319)	(9,477)	(8,536)	(7,901)	(6,814)	(5,789)	(4,822)	(3,924)
Project NPV	425									
Profitability Index										
By Year PI	0.05	0.12	0.19	0.26	0.33	0.40	0.48	0.56	0.63	0.70
Project PI	1.03									Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 13 Page 1 of 2

Chatham-Kent Rural Project InService Date: Nov-01-2019										
Project Year (\$000's)	<u>+</u>	<u>1</u> 2	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	20
Cash Inflow										
Revenue	1,889	1,889	1,889	1,823	1,339	735	515	515	282	282
Expenses:										
O & M Expense	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Municipal Tax	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)	(100)
Income Tax	(352)	(362)	(370)	(360)	(239)	(98)	(34)	(39)	17	12
Net Cash Inflow	1,433	1,424	1,416	1,359	966	545	378	372	196	191
Cash Outflow										
Incremental Capital										
Change in Working Capital		ı							·	
Cash Outflow	•				•		ı			
Cumulative Net Present Value Cash Inflow	10,090	10.892	11.650	12,342	12.825	13.076	13.242	13.397	13.475	13.590
Cash Outflow	13,166	13,166	13,166	13,166	13,166	13,166	13,166	13,166	13,166	13,166
NPV By Year	(3,076)	(2,274)	(1,516)	(824)	(341)	(88)	76	231	309	425
Project NPV										
<u>Profitability Index</u> By Year PI	0.77	0.83	0.88	0.94	0.97	0.99	1.01	1.02	1.02	1.03
Project PI										

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 13 Page 2 of 2

Ρ	InSe (Proje Stage ²	ervice Dat ect Specif 1 DCF - Li ers, Value	te: I fic [istir	Rural Project Nov-01-2019 DCF Analysis) Ing of Key Input Ind Assumptions S)
Discounting Assumptions				
Project Time Horizon				20 years commencing at facilites in-service date of 01 Nov 19
Discount Rate				Incremental after-tax weighted average After Tax Cost of Capital of 5.1%
Key DCF Input Parameters, Values and Assumptions <i>Net Cash Inflow:</i> Incremental Revenue:				Approved per EB 2017-0087 Effective January 1, 2018
Operating and Maintenance Expense				Estimated incremental cost
Incremental Tax Expenses: Municipal Tax Income Tax Rate				Estimated incremental cost 26.50%
CCA Rates: CCA Classes: Steel Mains Dist'n System	CCA Class 49 51		8% 6%	Declining balance rates by CCA class:
<i>Cash Outflow:</i> Incremental Capital Costs Attributed				Refer to Schedule 12
Change in Working Capital				5.051% applied to O&M

DESIGN AND PIPE SPECIFICATIONS

NPS 8 SECTION

Chatham-Kent Rural Project

Design Specifications:

Design Class Location	-	Class 3
Design Factor	-	0.8
Location Factor (Road)	-	0.625
Location Factor (General)	-	0.700
Joint Factor	-	1.00
Design Temperature	-	M5C (below-grade)
		M30C (above-grade)
Design Pressure	-	6895 kPa
Test Medium	-	Water
Minimum Test Pressure	-	9653 kPa
Minimum Valve/Flange Rating	-	PN 100
Minimum Depth of Cover (General)	-	0.6 m
Minimum Depth of Cover (Road)	-	1.2 m

Pipe Specifications:

Size	-	NPS 8
Outside Diameter	-	219.1 mm
Wall Thickness	-	Minimum 5.6 mm
Grade	-	Minimum 359 MPa
Туре	-	Electric Resistance Weld
Description	-	C.S.A. Standard Z245.1
Category	-	Cat. I, M5C
Coating	-	FBE or YJ
% SMYS	-	37.6% - Based on the above minimums

DESIGN AND PIPE SPECIFICATIONS

NPS 12 SECTION

Chatham-Kent Rural Project

Design Specifications:

Design Class Location	-	Class 3
Design Factor	-	0.8
Location Factor (Road)	-	0.625
Location Factor (General)	-	0.700
Joint Factor	-	1.00
Design Temperature	-	M5C (below-grade)
		M30C (above-grade)
Design Pressure	-	6895 kPa
Test Medium	-	Water
Minimum Test Pressure	-	9653 kPa
Minimum Valve/Flange Rating	-	PN 100
Minimum Depth of Cover (General)	-	0.6 m
Minimum Depth of Cover (Road)	-	1.2 m

Pipe Specifications:

Size	-	NPS 12
Outside Diameter	-	323.9 mm
Wall Thickness	-	Minimum 7.1 mm
Grade	-	Minimum 386 MPa
Туре	-	Electric Resistance Weld
Description	-	C.S.A. Standard Z245.1
Category	-	Cat. I, M5C
Coating	-	FBE or YJ
% SMYS	-	40.5% - Based on the above minimums

GENERAL TECHNIQUES AND METHODS OF CONSTRUCTION

Chatham-Kent Rural Project

- Pipeline construction is divided into several crews that create a mobile assembly line. Each crew performs a different function, with a finished product left behind when the last crew has completed its work.
- 2. Union Gas will provide its own inspection staff to ensure the contractor meets its contractual obligations.
- 3. If necessary, trees are cleared in the winter before construction to avoid avian nesting concerns. If the land cannot be accessed in the winter due to incomplete easement negotiations or other reason, an ornithologist will inspect the site and direct any avian mitigation needed.
- 4. The grading crew constructs approaches through road, and railway ditches to allow equipment onto the working side of the running line. The grading crew strips a certain width of topsoil with bulldozers and graders so that it will not be mixed with the subsoil later removed from the trench. In hilly terrain, the grade is leveled to provide a stable working surface.
- The contractor erects safety barricades around excavations adjacent to roads.
 Flagmen and signs are used for traffic control. The running line is fenced nightly at all access points.
- 6. The stringing crew lays pipe on wooden skids on the working side of the running line adjacent to the proposed trench area. Wherever possible, the stringing trucks hauling the pipe travel down the centre of the proposed trench to minimize soil compaction effects.

- 7. The contractor, by use of a trenching machine or hoe excavator, will excavate a trench approximately 0.75 metre in width for the pipeline, depending on ground conditions at the time. Accesses across the running line including laneways are left unexcavated where requested by the landowner. All tile cut during trench excavation is flagged at the trench and running line limits to signify to the tile repair crew that a repair is required. All utilities that will be crossed or paralleled closely by the pipeline will be located prior to trenching.
- 8. Bedrock will be removed by mechanical methods such as excavators using a rock bucket or a "hoe ram".
- 9. The required road crossing will be completed by open cut, with municipal approval.
- 10. Next, the pipe is welded into one continuous length. All welds are ultrasonically and/or radiographically inspected and then coated and lowered into the trench. After sections of pipe are lowered into the trench, subsoil is backfilled by a drag line, bulldozer or backhoe. If the excavated material contains too much rock for direct backfilling, it may be sifted to separate the fine parts from the rock. If such separation is not possible due to the consistency of the material or if a large quantity of rock remains, the unsuitable materials will be hauled away and sand brought in for backfilling.
- 11. The tie-in crew is responsible for the installation of pipe across road crossing to minimize the length of time that the road will be out of service. The tie-in crew is also responsible for the pipeline installation at the connection point at the start and end of the new pipe.
- 12. The pipe is filled with water and hydrostatically tested to prove its integrity. Cathodic protection is applied to the completed pipeline.

- 13. After the trench is backfilled, any cut drain tile is repaired. Union undertakes that it is responsible for the tile repair resulting from construction and will stand good for the tile repairs at any further date after construction of the pipeline. Union retains the services of a tile consultant to determine if it is better to repair individual tiles crossing the trench or install a header system.
- 14. The clean-up crew is the last crew on the property. On farmland, it prepares the subsoil on the stripped portion of the running line by subsoiling or deep chisel ploughing to break up compaction and picking all stones down to 100 millimetres in diameter. The trench line is crowned with enough subsoil to allow for trench settlement. Excess subsoil is removed to an acceptable location on the landowner's property or hauled to a disposal site. Topsoil is then replaced using a drag line or backhoe and small bulldozers to minimize compaction. The working side of the running line is then chisel ploughed and stone picked. The clean-up crew will also repair fences, pick up debris, replace sod in landscaped areas and reseed sensitive areas such as woodlots, ditch banks and stream crossings.
- 15. When the clean-up is completed, the landowner is asked by a Company representative to sign a clean-up acknowledgement form if satisfied with the clean-up. This form, when signed, allows release of payment for the clean-up to the contractor. This form in no way releases the Company from its obligation for tile repairs, compensation for damages and/or further clean-up as required due to erosion or subsidence directly related to pipeline construction.

2018/2019 CHATHAM KENT RURAL PROJECT PROJECT SCHEDULE

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Landowner Listing - Base Line Section

Chatham-Kent Rural Project

		1	T	T			1	_	•	T	T	
MORTGAGE, LIEN/LEASE &/OR ENCUMBRANCES												
E MENT s) Area Hectares		1.135	0.645 0.045	0.670		0.160	0.314 0.487		0.382	0.776 0.572	0.481	0.036
TEMPORARY EASEMENT Dimensions (Metres) Area W × L Hectare		15 x 756.88	15 x 430.56 irr x irr	15 x 447.33		15 x 107.24	15 × 209.94 30 × 162.36		15 x 255.09	15 x 517.38 30 x 190.89	15 x 321.07	15 x 607.45 15 x irr
FEE SIMPLE Dimensions (Metres) Area W x L Hectares												
PROPERTY DESCRIPTION		SW 1/4 LT 26 CON 1 CHATHAM GORE S/T CH39610; CHATHAM-KENT	PT LT 12 CON 14 CHATHAM PT 2, 24R3013; CHATHAM-KENT	РТ LT 12 CON 14 СНАТНАМ AS IN 340678; EXCEPT РТ 1, 24R6899; СНАТНАМ- KENT		РТ LT 13 CON 14 СНАТНАМ РТ 2, 24R2923 AND РТ 1, 24R3573; СНАТНАМ-КЕNT	РТ LT 13 CON 14 CHATHAM РТ 1, 24R8066 EXCEPT РТ 1, 24R8385; CHATHAM- KENT		PT LT 13 CON 13 CHATHAM AS IN 663491; CHATHAM-KENT	РТ LT 14 CON 13 CHATHAM AS IN 376136 EXCEPT CH45284; CHATHAM-KENT	PT LT 14-15 CON 13 CHATHAM AS IN 607112; CHATHAM-KENT	PT LT 15 CON 13 CHATHAM AS IN 470998; S/T CH34278 PARTIALLY SURRENDERED BY 294824; CHATHAM-KENT
NAME & ADDRESS												
NId	00592-0081	00594-0019	00757-0059	00757-0079	CENTRE SIDEROAD	00757-0062	00757-0085) LINE	00757-0030	00757-0033	00757-0034	00757-0035
#	CK1 0	CK2	СК3	CK4 0	CENTRE (CK5	CK6	OLDFIELD LINE	CK7 0	CK8	0 CK9	CK10 0

Filed: 2018-06-05 EB-2018-0188 Schedule 18a Page 1 of 3

MORTGAGE, LIEN/LEASE &/OR	ENCUMBRANCES																			
RARY EASI ions (Metre	W x L Hectares		552.82	100.00	15 × 75.00 0.112 15 × 285.05 0.427		15 × 186.72 0.280		15 x 464./9 0.69/ 15 x 100.00 0.150	60.00 206.36		15 x 343.71 0.515	116.00 irr		15 × 1110.24 1.665 15 × 200.00 0.300		30 x irr 0.239 15 x irr 0.227	15 x 194.86 0.292	15 x 290.85 0.097 15 x 65.00 0.292	15 x 50.00 0.075
FEE SIMPLE Dimensions (Metres) Area	W x L Hectares																			
PROPERTY DESCRIPTION		PT LT 16-17 CON 12 CHATHAM AS IN 575188 S/T INTEREST IN 575188; S/T	520761; CHATHAM-KENT			PT LT 17 CON 12 CHATHAM PT 1, 24R2795; S/T 520761; CHATHAM-KENT		PT LT 17-18 CON 12 CHATHAM AS IN 401300 EXCEPT 24R8867 S/T LIFE	IIN LEKEST IN 303883; 5/1 000008, CH43047; CHALHAWI-KENT			PT LT 18 CON 11 CHATHAM AS IN 617284; CHATHAM-KENT			PT LT 19-20 CON 11 CHATHAM AS IN 485607 S/T INTEREST IN 485607; CHATHAM-KENT		PT LT 20-21 CON 10 CHATHAM AS IN 472980; CHATHAM-KENT	PT LTS 20 & 21 CON 10 CHATHAM, PT 1, 24R10094 MUNICIPALITY CHATHAM- KENT	PART OF LOT 21 CON 10 CHATHAM DESIGNATED AS PART 1, 24R-10274 MUNICIPALITY CHATHAM-KENT	PT LT 21 CON 10 CHATHAM AS IN 653197; CHATHAM-KENT
NAME & ADDRESS																				
NId	Ļ	NE 00755-0045				00755-0047		00755-0075			VALLEY	00755-0027		Y ROAD	00755-0029	JINE	00752-0034	00752-0147	00752-0148	00752-0059
File #		BUSH LINE CK11 00				CK12		CK13			GREEN VALLEY	CK15		LINDSAY ROAD	CK15	UNION LINE	CK16	CK17	CK18	CK19

Filed: 2018-06-05 EB-2018-0188 Schedule 18a Page 2 of 3

														Filed:
MORTGAGE, LIEN/LEASE &/OR ENCUMBRANCES														EB
E MENT ss) Area Hectares	0.030	0.023	0.215	0.463		0.052	0.270 0.516	-	0.348	0.402 0.330	0.458 0.205	1.065 0.210 0.195	0 421	0.425
TEMPORARY EASEMENT Dimensions (Metres) Area W × L Hectare	5 x 60.84	5 x 47.58	30 x 71.67	30 x 154.61		5 x 105.08	30 x 90.00 15 x 344.56		15 x 232.41	15 × 268.37 30 × 110.29	15 x 305.72 30 x 68.48	15 x 710.38 15 x 140.00 30 x 65.00		/c.ɛx z
FEE SIMPLE Dimensions (Metres) Area W x L Hectares								-						irr x irr 1.000
PROPERTY DESCRIPTION	РТ LT 21 CON 10 СНАТНАМ РТ 3 & 4 24R4817; S/T INTEREST IN 538794; СНАТНАМ-КЕNT	PT LT 21 CON 10 CHATHAM PT 1 24R8560; S/T EXECUTION 08-0000093, IF ENFORCEABLE; CHATHAM-KENT	PT LT 21 CON 10 CHATHAM AS IN 662112 (SECONDLY) EXCEPT PT 1 24R8560; CHATHAM-KENT	РТ LT 21 CON 10 CHATHAM AS IN 595804 (FIRSTLY) EXCEPT 24R4099; S/T 571648, CH35788; S/T EXECUTION 99-0000052, IF ENFORCEABLE; CHATHAM- KENT	PART OF LOTS 21 & 22, CONCESSION 10, GEOGRAPHIC TOWNSHIP OF CHATHAM, DESIGNATED AS PART 6, 24R9635 SUBJECT TO AN EASEMENT IN GROSS AS IN CK98192 MUNICIPALITY CHATHAM-KENT	PT LT 22 CON 10 CHATHAM AS IN 661964; CHATHAM-KENT	РТ LT 21-22 CON 10 CHATHAM AS IN 595804 (SECONDLY); S/T EXECUTION 99- 0000052, IF ENFORCEABLE; CHATHAM-KENT		PT LT 22 CON 9 CHATHAM AS IN 458346; CHATHAM-KENT	PT LT 22-23 CON 9 CHATHAM AS IN 621059; CHATHAM-KENT	PT LT 23-24 CON 9 CHATHAM AS IN 173135 EXCEPT 614124 & D306; S/T THE RIGHTS OF OWNERS OF ADJOINING PARCELS, IF ANY, UNDER 504978; S/T CH33241; CHATHAM-KENT	PT LT 24 CON 8 CHATHAM; PT LT 24 CON 9 CHATHAM; PT LT 1 CON 7 CAMDEN; PT RDAL BTN CON 8 AND CON 9 CHATHAM; PT RDAL BTN TWP OF CAMDEN AND TWP OF CHATHAM CLOSED BY 379128; AS IN 504978; S/T THE RIGHTS OF OWNERS OF ADJOINING PARCELS, IF ANY, UNDER 173135; S/T 392323, 392503, CH33642, CH34399; CHATHAM-KENT	PT LT 1 CON 7 CAMDEN AS IN 284105 S OF 24R1339; S/T 638560; CHATHAM-	. I
NAME & ADDRESS														
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Filed: 2018-06-05 3-2018-0188

Schedule 18a

Page 3 of 3

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Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188

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OPCC Review Summary 2018 Chatham Kent Rural Expansion Project

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 1 of 24

Indicated that there were no concerns associated with the project.	Not required
MNRF asking for Union Gas contact Information. Letter to Proponent received August 17, 2018	Not required
The Cultural Heritage Assessment Report for the project has been reviewed and accepted.	Not required
Indicating the MTO has no comments or concerns regarding the project	Not required
The letter outlined processes to be undertaken as well as a request for additional information pertaining to the Dover portion of the project.	An email dated May 4, 2018 was sent to Rita Kelly informing her that the project was not within IO lands.
Additional information was required for the Dover section of the project.	Email sent on April 23, 2018 From: Norm Dumouchelle, Union Gas Ltd. Supplied TSSA with required information
	1 MNRF asking for Union Gas contact Information. Letter to Proponent received August 17, 2018 The Cultural Heritage Assessment Report for the project has been reviewed and accepted. Indicating the MTO has no comments or concerns regarding the project The letter outlined processes to be undertaken as well as a request for additional information pertaining to the Dover portion of the project. Additional information was required

		Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 2 of 24
Letter received by Norm Dumouchelle Sr. Environmental Analyst, Union Gas Ltd. Dated April 13 2018 From: Brooke Herczeg Heritage Planner Ministry of Tourism, Culture and Sport	The letter indicated the requirements for an archaeological assessment and cultural heritage report.	The archaeological assessment was submitted to the MTCS on June 7, 2018 and entered into the registry on July 11, 2018. The heritage report was submitted on September 18, 2018.
7		

Norm Dumouchelle

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From: Sent: To: Cc:

Janet Couvillon <JANETC@chatham-kent.ca> April 25, 2018 11:14 AM Norm Dumouchelle Chris Thibert [External] Chatham Kent Rural Expansion Project Union Gas

Good Morning!

Subject:

We apologize for the delay in responding to your letter dated February 14, 2018, with regard to the Chatham East Reinforcement Project – Environmental Protection Plan.

The Municipality of Chatham-Kent has no concerns regarding the proposed project and its construction however, we would like to be included on future correspondence going forward.

Please address any future correspondence to the attention of:

Chris Thibert Acting Director, Engineering & Transportation Municipality of Chatham-Kent 315 King Street West Chatham, ON N7M 5K8 chris.thibert@chatham-kent.ca

Thanks!

Janet Couvillon

Administrative Assistant Engineering & Transportation Division Municipality of Chatham-Kent

Phone: 519-360-1998 ext. 3302 315 King Street West Chatham, ON N7M 5K8 E-mail: janetc@chatham-kent.ca www.chatham-kent.ca

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 3 of 24

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<i>ection</i> email		Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 4 of 24
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From:	Thurtell, Steve <steve.thurtell@stantec.com></steve.thurtell@stantec.com>
Sent:	August 13, 2018 1:37 PM
To:	ESA-Aylmer (MNRF)
Cc:	Norm Dumouchelle; Taylor, Natalie
Subject:	[External] RE: Stantec FTP Confirmation - CHATHAM KENT PIPELINE PROJECT - STANTEC/UNION GAS
Hi Karissa,	Hi Karissa,
Thank you for your email.	Thank you for your email.
The client contact for the	The client contact for the Union Gas Limited – Chatham Kent Expansion Rural Pipeline Project is Norm Dumouchelle (cc'd above).
The Stantec biologist for t	The Stantec biologist for the project is Natalie Taylor (also cc'd above). I will also forward to you the IR request from Natalie in case you have not seen it.
Please include Natalie on	Please include Natalie on all correspondences to UGL.
Sincerely, Steve.	
Steve Thurtell M.Sc., P.Ag., CAN-CISEC	., P.Ag., CAN-CISEC
Senior Environmental Scientist	scientist
Direct: 519 780-8108 Mobile: 519 820-4237 Fax: 519 836-2493 steve.thurtell@stantec.com	Ψο
Stantec 1-70 Southgate Drive Guelph ON N1G 4P5 CA	
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e content of this email is the confin	The content of this email is the confidential property of Stantec and should not be copied, modified, retransmitted, or used for any purpose except with Stantec's written authorization. If you are not the intended recipient, please delete all copies and notify us immediately.
rom: ESA-Aylmer (M	From: ESA-Aylmer (MNRF) [mailto:ESA.Aylmer@ontario.ca]
ent: Monday, August	Sent: Monday, August 13, 2018 12:57 PM
o: Thurtell, Steve <st< td=""><td>To: Thurtell, Steve <steve.thurtell@stantec.com></steve.thurtell@stantec.com></td></st<>	To: Thurtell, Steve <steve.thurtell@stantec.com></steve.thurtell@stantec.com>
ubject: RE: Stantec F	Subject: RE: Stantec FTP Confirmation - CHATHAM KENT PIPELINE PROJECT - STANTFC/UNION GAS

I am following up to my e-mail below. Please provide the proponent's contact information so I can go ahead and send a letter with advice related to the *Endangered Species Act*, 2008.

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Thanks,

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 5 of 24

Karissa

61

From: ESA-Aylmer (MNRF) Sent: August 7, 2018 11:29 AM To: steve.thurtell@stantec.com

Subject: RE: Stantec FTP Confirmation - CHATHAM KENT PIPELINE PROJECT - STANTEC/UNION GAS

Hello Steve,

I am the Management Biologist at MNRF Aylmer District currently reviewing the Chatham-Kent pipeline expansion project and the environmental report you provided on behalf of Union Gas Ltd. Can you please provide me the contact information of the proponent for this project? I would like to provide a Letter to Proponent with some information regarding species at risk and the Endangered Species Act, 2007.

Thank you,

Karissa Reischke | Management Biologist Ministry of Natural Resources and Forestry (Aylmer District) (519) 773-4751 Karissa.Reischke@Ontario.ca 615 John St. N. Aylmer, ON N5H 2S8

Subject: FW: Stantec FTP Confirmation - CHATHAM KENT PIPELINE PROJECT - STANTEC/UNION GAS To: MNRF Ayl Planners (MNRF) <<u>MNRF.Ayl.Planners@ontario.ca</u>> From: Thurtell, Steve [mailto:steve.thurtell@stantec.com] Cc: Renwick, Sally (MNRF) <sally.renwick@ontario.ca> Sent: June-13-18 11:53 AM

Hello,

project. Please follow the instructions below to find Stantec's uploaded environmental report. Please download the report to your computer for you to review. The As per the request below, I am forwarding you the details to download Stantec's Environmental Report for the proposed Union Gas Chatham Kent Pipeline FTP username is listed below as the Login name. The FTP password is listed below as the password. This site will be up for two weeks from today am requesting for the return of comments, questions or approvals of the OPCC members by the end of this month.

Thank you sincerely, Steve

Steve Thurtell M.Sc., P.Ag., CAN-CISEC Senior Environmental Scientist

Direct: 519 780-8108 Mobile: 519 820-4237

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 6 of 24

The content of this email is the confidential property of Stantec and should not be copied, modified, retransmitted, or used for any purpose except with Stantec's written authonzation. If you are not the intended recipient, please delete all copies and notify us immediately. From: MNRF AyI Planners (MNRF) [mailto:MNRF.AyI.Planners@ontario.ca] Sent: Wednesday, June 13, 2018 11:31 AM To: Thurtell, Steve < <u>steve.thurtell@stantec.com</u> > Cc: Renwick, Sally (MNRF) < <u>sally.renwick@ontario.ca</u> > Subject: RE: Stantec FTP Confirmation - CHATHAM KENT PIPELINE PROJECT - STANTEC/UNION GAS
Good morning Steve,
Please add <u>mnrf.ayl.planners@ontario.ca</u> to your distribution list for this file.
Please send all future documentation regarding development projects within MNRF Aylmer District to this email address.
Thank you, Karina
Karina Černiavskaja, District Planner Ministry of Natural Resources and Forestry, Aylmer District 615 John St. N. Aylmer, ON N5H 2S8 Tel: 519-773-4757 Cell: 519-630-5292 Fax: 519-773-9014 Email: <u>karina.cerniavskaja@ontario.ca</u>
As part of providing accessible customer service, please let me know if you have any accommodation needs or require communication supports or alternate formats.
From: Thurtell, Steve [mailto:steve.thurtell@stantec.com] Sent: June 12, 2018 4:12 PM To: Renwick, Sally (MNRF) Subject: FW: Stantec FTP Confirmation - CHATHAM KENT PIPELINE PROJECT - STANTEC/UNION GAS
Hello Ms. Renwick
lule 21

Fax: 519 836-2493

Stantec 1-70 Southgate Drive Guelph ON N1G 4P5 CA

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Updated: 2019-03-14 Filed: 2018-06-05

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From: Minkin, Dan (MTCS) < Dan.Minkin@ontario.ca>

Sent: Thursday, October 11, 2018 12:49 PM

To: Walter, Laura < Laura.Walter@stantec.com>

Cc: Thurtell, Steve <steve.thurtell@stantec.com>; Schopf, Heidy <Heidy.Schopf@stantec.com>

Subject: RE: Report Submission - Chatham-Kent Pipeline CHAR

Good afternoon Laura,

Thank you for providing MTCS with the Cultural Heritage Assessment Report (CHAR) for the Chatham-Kent Rural Pipeline Expansion Project. We have reviewed the CHAR and have no concerns at this time. We look forward to seeing the CHAR's recommendations incorporated as commitments in the final documentation for this study.

Sincerely,

Dan Minkin

Heritage Planner

Ministry of Tourism, Culture and Sport

Culture Division | Programs and Services Branch | Heritage Program Unit

401 Bay Street, Suite 1700

Toronto, Ontario M7A 0A7

Tel. 416.314.7147 | Fax. 416.314.7175

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 8 of 24

Norm Dumouchelle

From: Sent: To: Sc:	Walsh, Ashley (MTO) <ashley.walsh@ontario.ca> June 22, 2018 1:58 PM Thurtell, Steve Di Fabio, Tony (MTO)</ashley.walsh@ontario.ca>
tachments:	

Hi Steve,

Your e-mail addressed to Tony Di Fabio regarding the construction of two new pipelines in the Municipality of Chatham-Kent has been forwarded to my attention for review and response.

The Ministry of Transportation does not have any comments or concerns regarding the proposed pipeline as the site is outside of our permit control area.

Thanks,

Ashley Walsh Program Analyst (A) Ministry of Transportation Highway Standards Branch Corridor Management and Property Office 310 St. Paul Street St. Catharines, ON L2R 7R4 Tel. (905) 704-2916



Subject: FW: Stantec FTP Confirmation - CHATHAM KENT PIPELINE PROJECT - STANTEC/UNION GAS From: Thurtell, Steve [mailto:steve.thurtell@stantec.com] To: Di Fabio, Tony (MTO) <Tony.DiFabio@ontario.ca> Sent: June-12-18 4:11 PM

7

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 10 of 24



One Dundas Street West, Suite 2000, Toronto, ON M5G 2L5 1, rue Dundas Ouest, bureau 2000, Toronto, ON M5G 2L5

April 6, 2018

Response to EA Notice

Thank you for providing Infrastructure Ontario (IO) with a copy of your Environmental Assessment Notice. From the information you have provided, it is unclear if you are proposing to use lands under the control of the Ministry of Infrastructure (MOI lands) to support your proposed project.

Potential Negative Impacts to IO Tenants and Lands

Negative environmental impacts associated with the project design and construction, such as the potential for dewatering, dust noise and vibration impacts, impacts to natural heritage features/habitat and functions etc. should be avoided and/or appropriately mitigated in accordance with applicable regulations and best practices in accordance with the Ministry of Natural Resources and Forestry (MNRF) and the Ministry of the Environment and Climate Change (MOECC) standards. Avoidance and mitigation options that characterize baseline conditions and quantify the potential impacts should be present as part of the project file. Details of appropriate mitigation, contingency plans and triggers for implementing contingency plans should also be present.

Land Holdings

Prior to MOI consenting to the use of MOI lands, the applicable environmental assessment, duty to consult Indigenous peoples (if triggered) and heritage obligations will need to be met. In order for MOI to allow you access to MOI lands and to carry out proposed activities, MOI must ensure that provincial requirements and due diligence obligations are satisfied. These requirements are in addition to any such obligations you as the proponent of the project may have.

You as the proponent of the project will be required to work with Infrastructure Ontario (IO) to fulfill MOI's obligations. All costs associated with meeting MOI's obligations will be the responsibility of the proponent. Please note that time should be allocated in your project timelines for MOI to ensure that its obligations have been met and to secure any internal government approvals required to allow for the use of the MOI lands for your proposed project.

In order for MOI and IO to assist you to meet your required project timelines, please recognize that early, direct contact with IO is imperative. The due diligence required prior to the use of MOI lands for your proposed project, may include but may not be limited to the following:

- Procedural aspects of the Provincial Crown's Indigenous Duty to Consult obligations see Instruction Note 1
- Requirements of the MOI Public Work Class Environmental Assessment see Instruction

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 11 of 24



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Note 2

- Requirements of the Ministry of Tourism Culture and Sport (MTCS) Standards and Guidelines for Consultant Archaeologists
 – see Instruction Note 3
- Requirements of the MTCS Standards and Guidelines for the Conservation of Provincial Heritage Properties Consultant Archaeologists – see Instruction Note 4

Representatives from IO are available to discuss your proposed project, the potential need for MOI lands and the corresponding provincial requirements and due diligence obligations.

Please review the attached instruction notes which provide greater detail on the due diligence obligations associated with the use of MOI lands for your proposed project. We are providing this information to allow you as the proponent to allocate adequate time and funding into your project schedule and budgets. If your project requires you to study MOI lands, then an agreement is required and all studies undertaken on MOI lands will be considered confidential until approval is received. IO will require electronic copies of all required studies on MOI lands that you undertake.

We strongly encourage you to work with IO as early as possible in your process to identify if any MOI lands would be required for your proposed project. Please note that on title MOI control may be identified under the name of MOI or one of its predecessor ministries or agencies which may include but is not limited to variations of the following: Her Majesty the Queen/King, Hydro One, MBS, MEI, MEDEI, MGS, MOI, OLC, ORC, PIR or Ministry of Public Works¹.

Please provide Rita Kelly with a confirmation in writing of any MOI lands that you propose to use for your proposed project and why the lands are required along with a copy of a title search for the MOI lands.

For more information concerning the identification of MOI lands in your study area or the process for acquiring access to or an interest in MOI lands, please contact:

Rita Kelly Project Manager Land Transactions, Hydro Corridors & Public Works Infrastructure Ontario 1 Dundas Street West, Suite 2000 Toronto, ON M5G 2L5 Tel: (416) 212-4934 Email: <u>rita.kelly@infrastructureontario.ca</u>

¹ MBS - Management Board Secretariat; MEI - Ministry of Energy and Infrastructure; MEDEI – Ministry of Economic Development, Employment and Infrastructure; MGS - Ministry of Government Services; MOI - Ministry of Infrastructure; OLC - Ontario Lands Corporation; ORC - Ontario Realty Corporation; PIR - Ministry of Public Infrastructure Renewal

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 12 of 24



One Dundas Street West, Suite 2000, Toronto, ON M5G 2L5 1, rue Dundas Ouest, bureau 2000, Toronto, ON M5G 2L5

An application package and requirements checklist is attached for your reference. Please note that transfer of an interest in MOI lands to a proponent can take up to one year and there is no certainty that approval will be obtained.

For more information concerning the MOI Public Work Class Environmental Assessment process and due diligence requirements, please contact:

Alex Lye Environmental Specialist Infrastructure Ontario 1 Dundas Street West, Suite 2000 Toronto, ON M5G 2L5 Tel: (416) 326-0483 Émail: alex.lye@infrastructureontario.ca

If MOI lands are not to be impacted by the proposed project, please provide a confirmation in writing to Infrastructure Ontario.

Thank you for the opportunity to provide initial comments on your proposed project.

Sincerely,

Patrick Grace Director Land Transactions, Hydro Corridors & Public Works Infrastructure Ontario 1 Dundas Street West, Suite 2000 Toronto, ON, M5G 2L5

3

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 13 of 24



One Dundas Street West, Suite 2000, Toronto, ON M5G 2L5 1, rue Dundas Ouest, bureau 2000, Toronto, ON M5G 2L5

INSTRUCTION NOTE 1

Provincial Crown's Indigenous Duty to Consult obligations

The Crown has a constitutional Duty to Consult (DTC) in certain circumstances and Indigenous consultation may be required prior to MOI granting access to MOI lands or undertaking other activities. The requirement for Indigenous consultation may be triggered given Indigenous or treaty rights, established consultation or notification protocols, government policy and/or program decisions, archaeological potential or results, and/or cultural heritage consultation obligations. The requirement for Indigenous consultation will be assessed by MOI.

Prior to the use of MOI lands, MOI must first meet any duty to consult obligations that may be triggered by the proposed use of MOI lands. It is incumbent on you to consult with IO as early in the process as possible once you have confirmed that MOI lands would be involved.

MOI will evaluate the potential impact of your proposed project on Indigenous and treaty rights. MOI may assess that the Crown's Duty to Consult (DTC) requires consultation of Indigenous communities. Proponents should discuss with IO whether MOI will require consultation to occur and if so, which communities should be consulted.

Where MOI determines that Indigenous consultation is required, MOI will formally ask you to consult or continue to consult with Indigenous peoples at the direction of MOI.

On behalf of MOI you will also be required to:

- Maintain a record and document all notices and engagement activities, including telephone calls and/or meetings;
- 2. Provide the Ministry updates on these activities as requested; and
- 3. Notify the Ministry of any issues raised by Indigenous communities.

If consultation has already occurred, IO strongly encourages you to provide complete Indigenous consultation documentation to IO as soon as possible. This documentation should include all notices and engagement activities, including telephone calls and/or meetings.

Any duty to consult obligations must be met prior to IO completing their Class Environmental Assessments (EA) for realty rights and activities.

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 14 of 24



One Dundas Street West, Suite 2000, Toronto, ON M5G 2L5 1, rue Dundas Ouest, bureau 2000, Toronto, ON M5G 2L5

INSTRUCTION NOTE 2

Requirements of the MOI Public Work Class Environmental Assessment

MOI has an approved Class EA (the Ministry of Infrastructure Public Work Class Environmental Assessment (Public Work Class EA) to assess undertakings that affect MOI lands including disposing of an interest in land or site development. Details on the Public Work Class EA can be found at:

http://www.infrastructureontario.ca/Public-Work-Class-Environmental-Assessment/

You may be required to work with IO to complete an environmental assessment under the Public Work Class EA for the undertakings related to MOI lands. This may include the completion of IO's Consultation and Documentation Report and publicly posting on the IO website for 30 days. IO Environmental Management will provide direction and guidance on how to complete the MOI Class EA process.

The MOI Class EA process **must be completed as a separate process** from the proponent's EA process. Studies and consultation may be undertaken during the proponent's EA process but the MOI Class EA process must be completed and undertaken separately.

Examples of studies that can be undertaken during a proponents Class EA process and use for MOI's Class EA process include:

- Phase One Environmental Site Assessment and follow up
- Stage 1 Archaeological Assessment and follow up
- Survey
- Title Search
- Natural Heritage / Species at Risk Survey(s)

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 15 of 24



One Dundas Street West, Suite 2000, Toronto, ON M5G 2L5 1, rue Dundas Ouest, bureau 2000, Toronto, ON M5G 2L5

INSTRUCTION NOTE 3 - ARCHAEOLOGY - (see also Instruction Note on Duty to Consult)

Archaeological sites are recognized and protected under the *Ontario Heritage Act*. Carrying out archaeological fieldwork is a licensed, regulated activity under the 2011 Ministry of Culture Standards and Guidelines for Consulting Archaeologists.

Archaeological due diligence is required for any proposed project on MOI land that could cause significant below ground disturbance such as, new building construction, installation/modification of site services, and installation/maintenance of new pipelines or transmission lines.

You, as the proponent, must engage IO prior to undertaking any archaeological work on MOI lands.

IO has three in-house licensed archaeologists who should be consulted early in the preparatory stages of a proposed project when geographic and site locations are being considered so that the potential for archaeological resources including historic and Indigenous material (ion Indigenous villages and burials sites) can be assessed.

To support both the Public Work Class EA and MOI's duty to consult analysis, archaeological assessments are required to determine if there are any significant findings that may be of cultural value or interest to Indigenous people (e.g., archaeological or burial sites).

Archaeological work can begin before the assessment under the Public Works Class EA begins but the Class EA cannot be completed until the duty to consult that may be triggered regarding archaeological resources are fulfilled.

Depending upon the number or significance of resources found, the duty to consult may be triggered during any of the 4 phases of archaeological work (see below) or anytime during project construction.

The discovery of Indigenous resources can impact on activities, including project and site plans, timelines and all costs. As the proponent, you are expected to ensure that you project timelines include adequate time and resources to address MOI due diligence obligations, including internal government approvals. All costs associated with meeting MOI's archaeological obligations will be the responsibility of the proponent.

For Archaeological Assessments (Stages 1 through 4), proponents must adhere to the four stage archaeological fieldwork process prescribed by the Ontario Ministry of Tourism, Culture and Sport (MTCS) as per the 2011 Standards and Guidelines for Consultant Archeologists. Not all noted Stages will be necessary for all work. Respondents must follow industry procedures and practices as per the MTCS Standards and Guidelines for Consultant Archeologists 2011 for each Stage of archaeological assessment, all reporting criteria and formatting, and any other license

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 16 of 24



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requirements and/or obligations.

- <u>Stage 1</u> Background Study Evaluation of Archaeological Potential
 Archival research and non-intrusive site visit
- <u>Stage 2</u> Property Assessment
 - In-field systematic pedestrian survey or test pitting and reporting
- <u>Stage 3</u> Site-specific Assessment
 - Limited excavation to determine site significance and size
 - Field works and reporting
- Stage 4 Site mitigation
 - Through either avoidance/protection or excavation Field work 4 to 8 weeks
 - Develop summary report
 - MTCS review expedited review of summary report 6 weeks
 - Final report
 - Time to develop and implement mitigation measures negotiation, legal protections, avoidance

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 17 of 24



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INSTRUCTION NOTE 4 – HERITAGE REQUIREMENTS

Built Heritage/Cultural Landscapes

Built heritage/cultural landscapes (cultural heritage) are recognized and protected under the Ontario Heritage Act, the regulations to that Act and the 2010 Ministry of Culture Standards and Guidelines for Conservation of Provincial Heritage Properties (S&Gs) Criteria for determining cultural heritage value or interest are set out in O. Reg. 9/06 and 10/06. The S&Gs set out a process for identifying properties of cultural heritage value, and the standards for protection, maintenance, use and disposal of these properties.

Cultural heritage due diligence will be required for any proposed project on MOI land with the potential to impact cultural heritage resources, such as new building construction, installation/modification of site services, landscape modifications and installation/maintenance of new pipelines, transmission lines.

To support MOI's heritage and MOI PW Class EA obligations, proponents will be required to undertake cultural heritage assessments for all projects that require MOI lands. This will help to determine if the MOI lands are of cultural value or interest to the Province and the level of heritage significance. Where a property has heritage value, proponents may be required to develop appropriate conservation measures/plans and heritage management plans.

You, as the proponent, are strongly encouraged engage IO heritage staff as early in your project planning process as possible and in advance of beginning any cultural heritage assessment work. IO staff will be able to provide advice on the S&Gs and will provide any available heritage information for the MOI lands.

Proponents must also follow industry procedures and practices for all components of cultural heritage assessment work, all reporting criteria and formatting, and any other requirements and/or obligations. IO heritage staff can help identify any required reports.

Should MOI lands be identified under the S&Gs as a Provincial Heritage Property (local significance) or a Provincial Heritage Property of Provincial Significance, IO must be engaged to determine next steps.

Please note that if a Provincial Heritage Property of Provincial Significance is to be impacted, it is likely that consent from the Minister, Ontario Minister, Tourism, Culture and Sport (MTCS) will be required prior to access being granted to MOI lands. Minister's consent requires a detailed application and approvals should land dispositions or building demolitions be applied for as part of the proposed project.

As the proponent, you are expected to ensure that your project timelines include adequate time

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 18 of 24



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and resources to address MOI's heritage due diligence obligations, including internal government approvals. All costs associated with meeting MOI's heritage obligations are the responsibility of the proponent.

Norm Dumouchelle

From: Sent: To: Cc: Subject:

Norm Dumouchelle May 4, 2018 10:54 AM 'rita.kelly@infrastructureontario.ca' 'Zora.Crnojacki@oeb.ca' Chatham Kent Reinforcement Project

Hi Rita

Line Road and will not be within lands under the control of the Ministry of Infrastructure. If you have any questions, please don't hesitate to contact me. Municipality of Chatham Kent. The project will entail approximately 500 metres of a new NPS 12 inch natural gas pipeline along the east side of Bear Thank you for your response dated April 6, 2018 concerning the Chatham Kent Reinforcement Project located in the Township of Dover in the

Thanks you.

Norm Dumouchelle Environmental Planner Permitting and Environmental Planning Union Gas Limited / An Enbridge Company e-mail: <u>inpdumouchelle@uniongas.com</u> 1-866-949-1595 ext. 5236955 Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 19 of 24

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Norm Dumouchelle

6)

Subject: From: Sent: ö ii To

'kmanouchehri@tssa.org' 'Zora.Crnojacki@oeb.ca' RE: UGL 2018 Chatham East Reinforcement Project Norm Dumouchelle April 23, 2018 3:10 PM

Hi Kourosh

Please find below the answers to your questions in the email received April 5, 2018. If you have any further questions please contact Azhar Ahmed who will be happy to assist you.

Thanks you

Subject: RE: [External] RE: UGL 2018 Chatham East Reinforcement Project Sent: April 23, 2018 2:11 PM To: Norm Dumouchelle From: Azhar Ahmed

Hi Norm. Following is my response to the questions from TSSA:

- The MOP of the line would be 6040 kPa. 1)
 - Pressure Test Parameters:

Buried Sections	Exposed Sections
<u>Test Medium</u>	Test Medium
Water	Water
<u>Strength Test</u>	<u>Strength Test</u>
Minimum Pressure: 9653 kPa	Minimum Pressure: 9653 kPa
Maximum Pressure 10,342 kPa	Maximum Pressure 10,342 kPa
Minimum Duration: 4 hours	Minimum Duration: 4 hours
<u>Leak Test</u>	<u>Leak Test</u>
Minimum Pressure: 7585 kPa	Visual inspection immediately following the
Maximum Pressure: 9653 kPa	strength test at a minimum pressure of 7585 kPa

Minimum Duration: 4 hours

The proposed NPS 12 line will run adjacent to the existing NPS 8 Dover Centre transmission pipeline which has already been assessed for the presence of HCAs. Since there are no HCAs on the existing NPS 8 Dover Centre transmission pipeline, there will also not be any HCAs on the proposed NPS 12 pipeline. 3)

Please let me know if there are any questions.

Azhar Ahmed, P.Eng Pipeline Engineer Union Gas Limited | An Enbridge Company TEL: 519-436-4600 ext. 5002171 | CELL: 519-784-1674 50 Keil Drive North, Chatham, ON N7M 5M1

Begin forwarded message:

From: Kourosh Manouchehri < KManouchehri@tssa.org>

Date: April 5, 2018 at 9:42:32 AM EDT

To: Norm Dumouchelle <<u>NPDumouchelle@uniongas.com</u>>

Cc: "Zora.Crnojacki@oeb.gov.on.ca" <Zora.Crnojacki@oeb.gov.on.ca>, "rpieta@uniongas.com" <rpieta@uniongas.com> Subject: [External] RE: UGL 2018 Chatham East Reinforcement Project

Hi Norm,

I reviewed submitted application. Please see below my questions regarding this project.

- 1. What is the Maximum Operating Pressure (MOP) of this line?
- Submitted document only refers to the minimum pressure test of 8640 kPa. Please provide details on the strength pressure test and leak test of this section. Please include target pressure test, duration and medium, based on the requirements in CSA 2662-15. N
 - I did not find High Consequence Area calculation and study on the submitted package. Please provide this information for review. è.

I will continue with this application upon receipt of the above requested information.

If you have any question, please contact me.

Regards,

Kourosh Manouchehri, P.Eng., PMP | Engineer Fuels Safety 345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel: +1-416-734-3539 || Fax: +1-416-231-7525 | E-Mail: <u>kmanouchehri@tssa.org</u> www.tssa.org

6



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Ministry of Tourism, Culture and Sport

Heritage Program Unit Programs and Services Branch 401 Bay Street, Suite 1700 Toronto ON M7A 0A7 Tel: 416 314 7133 Fax: 416 212 1802

April 13, 2018 (EMAIL ONLY)

Zora Crnojacki Ontario Energy Board 2300 Yonge St. 26th Floor Suite 2601 Toronto, ON M4P 1E4 E: Zora.Crnojacki@oeb.gov.on.ca

RE: MTCS file #: 0008401 Proponent: **Union Gas Limited** Subject: Notice of Environmental Protection Plan and Environmental Review for the Chatham-Kent Reinforcement Project Location: Municipality of Chatham-Kent, Ontario

Dear Ms. Crnojacki,

Thank you for providing the Ministry of Tourism, Culture and Sport (MTCS) with the Notice of the completed Environmental Protection Plan and Environmental Review for your project. MTCS's interest in this project relates to its mandate of conserving Ontario's cultural heritage, which includes:

- Archaeological resources, including land-based and marine;
- Built heritage resources, including bridges and monuments; and, .
- Cultural heritage landscapes.

Under the EA process, the proponent is required to determine a project's potential impact on cultural heritage resources.

MTCS has reviewed the Environmental Protection Plan and the Environmental Review Report and has the following comments:

Project Description

Union Gas has initiated a pipeline installation within the Municipality of Chatham-Kent. The proposed construction project is necessary to increase capacity and accommodate additional demand for natural gas to meet the growing agricultural, commercial and industrial market demand for natural gas in Chatham-Kent.

Archaeological Resources

MTCS would appreciate a status update on the Stage 2 AA. This report will need to be submitted for the MTCS review, after which MTCS may have further comments. Until such time, this matter is considered outstanding.

Built Heritage and Cultural Heritage Landscapes

The ERR has identified three residential properties as having potential for cultural heritage value or interest. MTCS would appreciate a status update on the technical studies that have been undertaken to evaluate these properties. MTCS recommends that all necessary studies be completed by a qualified person as early as possible. These studies should be developed in consultation with and submitted for review to MTCS and heritage stakeholders (eg. Municipal heritage planner and/or municipal heritage committee).

Thank you for consulting MTCS on this project if you have any question please contact me.

Ministère du Tourisme, de la Culture et du Sport

Tél:

Unité des programmes patrimoine Direction des programmes et des services 401, rue Bay, Bureau 1700 Toronto ON M7A 0A7 416 314 7133 Téléc: 416 212 1802

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 23 of 24

Ontario

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 21 Page 24 of 24

Sincerely,

Brooke Herczeg Heritage Planner Brooke.herczeg@Ontario.ca

Copied to: Norm Dumouchelle Union Gas Limited, npdumouchelle@uniongas.com

Karla Barboza MTCS, Karla, barboza@ontario.ca

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MTCS makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MTCS be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Please notify MTCS if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the Ontario Heritage Act and the Standards and Guidelines for Consultant Archaeologists.

If human remains are encountered, all activities must cease immediately and the local police as well as the Registrar, Burials of the Ministry of Government and Consumer Services (416-326-8800) must be contacted. In situations where human remains are associated with archaeological resources, MTCS should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the Ontario Heritage Act.

Indigenous Consultation Report

Chatham Kent Rural Pipeline Expansion project Bearline Section

1.	Project Description	2
2.	First Nation and Métis Communities Consulted	2
3.	Consultation Activities	3
4.	Supporting Documentation	4
	Schedule A - Detailed Map	4
	Schedule B – Ministry of Energy response letter to Union Gas	5
	Schedule C - Letter of Delegation of Authority to Union Gas	9
	Bkejwanong Territory (Walpole Island First Nation)	11

Indigenous Consultation Report Chatham Kent Rural Pipeline Expansion project Bearline Section

1. **Project Description**

To increase capacity and accommodate additional demand for natural gas in the Chatham-Kent area, Union Gas is proposing to construct Chatham-Kent Rural Pipeline Expansion project ("proposed pipelines"). The proposed pipelines will meet the growing residential, commercial, and industrial market demand for natural gas in the Chatham-Kent area.

The Chatham Kent Rural Expansion Project will consist of two pipelines: a 500 metres of NPS 12 pipeline ("Bearline Section") and 13 km of NPS 8 pipeline("Baseline Section"). The Bearline Section will extend from the Dover Centre Valve Site to the Dover Centre Transmission Station along Bearline Road in the former Dover Township. The Baseline Section will extend from the Simpson Road Station to a new Station near the corner of Baseline Road and Kent Bridge Road in the former Townships of Chatham and Camden.

This report will deal with the Bearline section.

A preferred route for the proposed pipeline has been determined and can be found in the Environmental Report which was sent to Shereen Smithanik at the Ministry of Energy ("MOE") on February 8, 2018 as part of the Ontario Pipeline Coordinating Committee review for this project.

2. First Nation and Métis Communities Consulted

Consistent with the 7th Edition of the Ontario Energy Board's *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 2016* Union Gas was delegated the procedural aspects of the consultation from the MOE. A copy of the Union Gas letter informing the MOE of the Chatham-Kent Rural Pipeline Expansion project is attached as Schedule 4-B. Following the review of the information received, the Ministry of Energy concluded that the project did not trigger the duty to consult however, encouraged Union Gas to reach out to the following community to provide information on the project. (see Schedule 4-C):

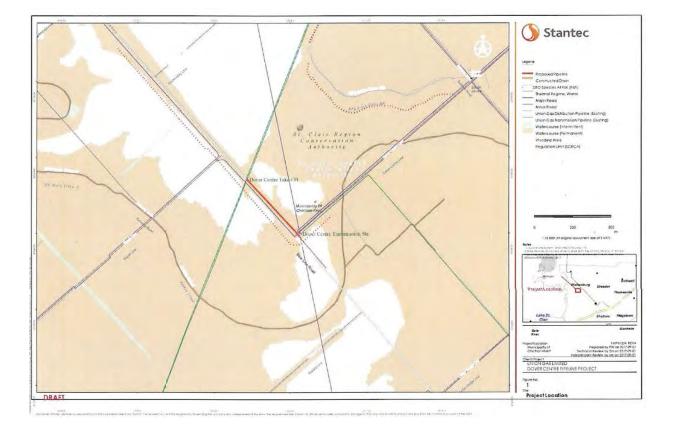
Bkejwanong (Wapole Island First Nation)	Chief Dan Miskokomon
	Dr. Dean Jacobs, Consultation Manager
	Janet Macbeth, Project Review Coordinator

3. <u>Consultation Activities</u>

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Date	erritory (Walpole Island First Nation) Activity	Issues raises	Outcome	Doc Location
Nov 30/17	Email notification of project sent to Chief Miskokomon, Dr. Dean Jacobs and Janet Macbeth	Notifying of the project description, providing a map and advising that the information is for their review and reach out to us if they require anything further	No response received	Schedule 4-A Pg. 11
Feb 8/18	Union Gas sent letter to Dr. Jacobs and Janet Macbeth	Letter advised that the Environmental Protection Plan (EPP) has been completed. Included was also the EPP for their review.	No response received	Pg. 12

4. Supporting Documentation



Schedule A – Chatham Kent Rural Pipeline Expansion Project Location map

Schedule B - Letter to Ministry of Energy notifying of Chatham East Reinforcement

From: Ken McCorkle Sent: September-08-17 11:09 AM To: 'McCabe, Shannon (ENERGY)' Subject: Indigenous Summary Report for the Ministry of Energy (Dover Centre Project)

Hello Shannon:

Please find attached Union's Summary Report requesting the Indigenous consultation required for the Dover Centre Project. Could you please confirm receipt of this email?

Regards, Ken

Ken McCorkle

Manager, Indigenous Affairs Union Gas Ltd. Phone: 519-436-4600 Ext.5002243 Cell; 519-365-0584 Toll Free: 877-293-6215 Fax; 519-436-5392 Email: <u>kmccorkle@uniongas.com</u> We can't change the past, but we can influence our future

Filed: 2018-06-05 EB-2018-0188 Schedule 22 Page 6 of 13



September 8, 2017

Ms. Shannon McCabe Manager, Indigenous Energy Policy Ministry of Energy 77 Grenville Street, 6th Floor Toronto, ON M7A 2C1

Dear Ms. McCabe:

Re: Dover Centre Natural Gas Project

Enclosed please find Union's Report to the Ministry of Energy to determine the Indigenous Consultation required for the above noted project. I have also enclosed a detailed map of the area. In the event that you have any questions on the above or would like to discuss in more detail, please do not hesitate to contact me.

Yours truly,

Ken McCorkle

Ken McCorkle Manager, First Nations and Métis Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1 Phone: 519-436-4600 ext. 5002243 Email: kmccorkle@uniongas.com

P.6. Box 2001, 50 (cell Dylve North, Chatham, $\partial R_{\rm P} N7 M$ 5M) www.unlangas.com Union Gas Limited

Union Gas Limited Pipeline Project

Dover Centre Pipeline Project - Summary for Ministry of Energy

1. Introduction

This Summary Report has been prepared to provide the Ministry of Energy ("MOE") with an overview of the Dover Centre Pipeline Project ("Project") to support the preparation of a contact list of Indigenous communities that may have an interest in the Project.

1.1 Project Overview

Union Gas is preparing to reinforce the Chatham East pipeline to ensure the continued safe and reliable delivery of natural gas to existing and potential customers in the Municipality of Chatham-Kent. The project would involve looping an existing NPS 8-inch natural gas pipeline with approximately 500 meters of new NPS 12-inch natural gas pipeline. The proposed pipeline is located entirely within the municipality of Chatham-Kent, and will commence at Union's Dover Centre Transmission Station and proceed south to the Dover Centre Take-Off. A map indicating the proposed pipeline location is shown in Figure 1 (attached).

The following co-ordinates define the approximate start point and end point of the project:

	Easting	Northing
Union Gas – Dover Centre Transmission Station	390566	4703982
Union Gas – Dover Centre Take-off	390217	4704355

2. Regulatory Requirements and Approvals

Ontatio Energy Board ("OEB") review and approval is required before this project can proceed. As part of that application, an Environmental Review (ER) will be conducted in accordance with the OEB Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontaria (2016). The ER for this Project is anticipated to be completed and submitted to the DEB as early as December 2017, and the proposed project to be in service by November 2018.

Other permits and authorizations for the project will be determined and may be necessary at the Federal. Provincial, and Municipal levels.

3. Environmental Planning Process

Union has retained Stantec to conduct an Environmental Review for the proposed project. The environmental planning process for the Project will be initiated in the fall of 2017, with support provided throughout the process by Stantec's archaeologists, cultural heritage specialists, biologists, and other environmental specialists.

The following provides a general overview of the environmental planning process for the Project:

- Complete an Environmental Review (ER)
 - Describe the proposed work necessary for the Project;
 - Describe the procedures that will be followed during construction of the facilities; and,
 - Identify potential environmental impacts and recommend measures to minimize those impacts.
- Complete all necessary studies and assessments
 - A licensed archaeologist will review the running line for potential archaeological resources and will conduct assessments as appropriate.
 - A heritage specialist will review the running line for potential cultural heritage landscapes
 - and built heritage resources and will develop an appropriate mitigation plan if required.
 A biologist will review the running line for potential species at risk and determine if any
 - species will be impacted by construction activities and will develop an appropriate mitigation plan if required.
 - Obtain all necessary environmental permits and approvals
 - Union Gas will obtain necessary permits from the St. Clair Region Conservation Authority to work within regulated areas.
 - Union Gas will work with all other relevant governing agencies (i.e. the Ministry of Natural Resources and Forestry) to obtain any permit and/or approval should it be necessary.

4. Consultation

Consultation is an important part of the environmental planning process and may include discussions with the relevant federal and provincial agencies and authoritles (such as the St. Clair Region Conservation Authority), municipalities, interested and potentially affected landowners, and interest groups, as well as First Nations and Metis Nations as identified by the MOE.

5. Project Activities

The running line will be installed using Union standard construction practices include grading the site, digging the trench, installing the welded pipeline in the trench, testing the pipeline, and restoring the area to its original condition.

6. Summary and Conclusion

The purpose of this report is to provide MOE with preliminary information regarding the Project and acquire a list of Indigenous communities that may be interested in providing feedback during the project planning process. Field work and data collection will be undertaken to determine the potential impacts of this Project during the construction and operation phases. Mitigation measures to manage and minimize these potential effects will be identified and will include proposed monitoring and contingency plan.

Filed: 2018-06-05 EB-2018-0188 Schedule 22 Page 9 of 13

Schedule C - Ministry of Energy response letter to Union Gas

From: McCabe, Shannon (ENERGY) [mailto:Shannon.McCabe@ontario.ca] Sent: November-02-17 5:24 PM To: Ken McCorkle Cc: Sharkey, Emma (ENERGY) Subject: [External] Dover Centre Project Hello Ken,

Please find the attached letter from the Ministry of Energy regarding the Dover Centre Replacement Project which notes that based on the information provided about the project, the Ministry of Energy is of the view that the duty to consult is not triggered.

However, given the proximity of the project to Bkejwanong Territory (Walpole Island First Nation), it is suggested that you notify Bkejwanong Territory on a for information basis of your proposed project. If they or any other First Nation or Métis community raises concerns about the project, please bring this to our attention at your earliest convenience.

If you have any questions, please let me know.

Best regards, Shannon

Shannon McCabe Indigenous Energy Policy Ministry of Energy (416) 212-6704

77 Grenville Street, 6th Floor, Toronto, ON M7A 2C1

Filed: 2018-06-05 EB-2018-0188 Schedule 22 Page 10 of 13

Ministry of Energy

Ministère de l'Énergie

77 Grenville Street 6th Floor Toronto ON M7A 2C1 Tel: (416) 327-7178 77 rue Grenville ^{5e} étage Toronto ON M7A 2C1 Tét (418) 327-7178



Indigenous Energy Policy

VIA EMAIL

November 2, 2017

Ken McCorkle Manager, First Nations and Métis Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1

Re: Dover Centre Replacement Project

Dear Mr. McCorkle:

Thank you for your email dated September 8, 2017, notifying the Ministry of Energy of Union Gas Limited's (Union Gas) intention to apply for Leave to Construct for the Dover Centre Replacement Project and requesting clarification on Duty to Consult requirements.

I understand that the planned project includes the reinforcement of the Chatham East pipeline. The project will involve looping an existing NPS 8-inch natural gas pipeline with approximately 500 meters of new NPS 12-inch natural gas pipeline. The proposed pipeline is located entirely within the municipality of Chatham-Kent and will commence at Union Gas' Dover Centre Transmission Station and will proceed south to the Dover Centre Take-Off.

Based on the information Union Gas has provided to date, the Ministry is of the view that the project will not result in any appreciable adverse impact on the asserted or established rights of First Nation or Métis communities. Should new project information become available that indicates a potential to impact Aboriginal and treaty rights (e.g. the result of the archeological assessment), I request that you notify the Ministry as appropriate.

Given that the Ministry has determined, based on currently available information, that no duty to consult has been triggered it will not be necessary for the Ministry to provide a letter of opinion regarding the sufficiency of consultation.

Also, I recommend that Union Gas Ltd. continue to maintain a record of its interactions with Indigenous communities about the project it has engaged on an interests-basis. In the event that an Indigenous community provides Union Gas with information indicating a potential adverse impact of this project on its Aboriginal or Treaty rights, I request that you notify the Ministry as appropriate.

Please contact Shannon McCabe, Senior Advisor at 416-212-6704 or shannon.mccabe@ontario.ca if you have any questions or if you wish to discuss the matter in more detail.

Sincerely,

Emma Sharkey A/Manager Indigenous Energy Policy

. Co

Correspondence - Bkejwanong Territory (Walpole Island First Nation)

Message	Figure 1 .pdf
Subject:	Dover Centre Natural Gas Project
Cc:	Lauren Whitwham
To:	dan.miskokomon@wifn.org; Dean Jacobs; Janet Macbeth
From:	Ken McCorkle

Sent: Thu 30/11/2017 3:21 PM

Dear Chief Miskokomon, Dr Jacobs & Janet:

Union Gas is preparing to reinforce the Chatham East pipeline to ensure the continued safe and reliable delivery of natural gas to existing and potential customers in the Municipality of Chatham-Kent. The project would involve looping an existing NPS 8-inch natural gas pipeline with approximately 500 meters of new NPS 12-inch natural gas pipeline. The proposed pipeline is located entirely within the municipality of Chatham-Kent, and will commence at Union's Dover Centre Transmission Station and proceed south to the Dover Centre Take-Off. The entire 500 metres will be located within the existing road allowance with construction, if approved, to begin in the Spring of 2018. A map indicating the proposed pipeline location is shown in **Figure 1** (attached).

Union is forwarding this information for your review and if further information is required please do not hesitate to contact me at your earliest convenience.

Miigwetch, Ken

Ken McCorkle

Manager, Indigenous Affairs Union Gas Ltd. Phone: 519-436-4600 Ext.5002243 Cell; 519-365-0584 Toll Free: 877-293-6215 Fax; 519-436-5392 Email: <u>kmccorkle@uniongas.com</u> We can't change the past, but we can influence our future

Filed: 2018-06-05 EB-2018-0188 Schedule 22 Page 12 of 13

February 8, 2018

Dr. Dean Jacobs Walpole Heritage Centre RR #3 Wallaceburg, Ont. N8A 4K9

RE: Union Gas Limited Chatham Kent Reinforcement Project

Dear: Dr. Dean Jacobs

An Environmental Protection Plan (EPP) has recently been completed by Union Gas (Union) for the installation of approximately 500 metres of a NPS 12 inch diameter natural gas pipeline within the Municipality of Chatham-Kent. The proposed construction project is necessary to increase capacity and accommodate additional demand for natural gas to meet the growing agricultural, commercial, and industrial market demand for natural gas in Chatham-Kent.

Stantec Consulting has been retained by Union Gas Limited to prepare an Environmental Review (ER) for the project which includes information regarding the existing natural environment and the steps to be taken to protect the environment in conjunction with the development of the project. The EPP which includes the ER is enclosed for your review.

We are requesting you provide any relevant environmental or socioeconomic information that in your opinion should be included in the assessment of the proposed pipeline construction.

If you have any questions, regarding the environmental review process or this project, please do not hesitate to contact the undersigned at KMcCorkle@uniongas.com or 519-365-0584.

Sincerely

Ken McCorkle

Ken McCorkle Manager, First Nations and Métis Affairs DS:sd Union Gas 50 Keil Drive North Chatham, Ontario N7M 5M1

Filed: 2018-06-05 EB-2018-0188 Schedule 22 Page 13 of 13



February 8, 2018

Janet Macbeth Walpole Heritage Centre RR #3 Wallaceburg, Ont. N8A 4K9

RE: Union Gas Limited Chatham Kent Reinforcement Project

Dear: Ms. Janet Macbeth

An Environmental Protection Plan (EPP) has recently been completed by Union Gas (Union) for the installation of approximately 500 metres of a NPS 12 inch diameter natural gas pipeline within the Municipality of Chatham-Kent. The proposed construction project is necessary to increase capacity and accommodate additional demand for natural gas to meet the growing agricultural, commercial, and industrial market demand for natural gas in Chatham-Kent.

Stantec Consulting has been retained by Union Gas Limited to prepare an Environmental Review (ER) for the project which includes information regarding the existing natural environment and the steps to be taken to protect the environment in conjunction with the development of the project. The EPP which includes the ER is enclosed for your review.

We are requesting you provide any relevant environmental or socioeconomic information that in your opinion should be included in the assessment of the proposed pipeline construction.

If you have any questions, regarding the environmental review process or this project, please do not hesitate to contact the undersigned at KMcCorkle@uniongas.com or 519-365-0584.

Sincerely

Ken McCorkle

Ken McCorkle Manager, First Nations and Métis Affairs DS:sd Union Gas 50 Keil Drive North Chatham, Ontario N7M 5M1

P.O. 108 (2001) 745 Richmond Street, Classican UNC (97M stly, www.andoogue.com Onton Gas.classical

Indigenous Consultation Report

Chatham Kent Rural Pipeline Expansion Project Baseline Section

1.	Project Description	2
2.	First Nation and Métis Communities Consulted	2
3.	Consultation Activities	3
4.	Supporting Documentation	7
	Schedule A - Detailed Map	10
	Schedule B – Union Gas letter of notification to Ministry of Energy	11
	Schedule C - Letter of Delegation of Authority to Union Gas	15
	Schedule D – Information Session Handout	19
	Aamjiwnaang First Nation	29
	Bkejawnong (Walpole Island) First Nation	37
	Caldwell First Nation	45
	Chippewas of the Thames First Nation	50
	Chippewas of Kettle and Stony Point	58
	Oneida Nation of the Thames	64

Indigenous Consultation Report Chatham Kent Rural Pipeline Expansion Project Baseline Section

1. **Project Description**

To increase capacity and accommodate additional demand for natural gas in the Chatham-Kent area, Union Gas is proposing to construct Chatham-Kent Rural Pipeline Expansion project ("proposed pipelines"). The proposed pipelines will meet the growing residential, commercial, and industrial market demand for natural gas in the Chatham-Kent area.

The Chatham Kent Rural Expansion Project will consist of two pipelines: a 500 metres of NPS 12 pipeline ("Bearline Section") and 13 km of NPS 8 pipeline("Baseline Section"). The Bearline Section will extend from the Dover Centre Valve Site to the Dover Centre Transmission Station along Bearline Road in the former Dover Township. The Baseline Section will extend from the Simpson Road Station to a new Station near the corner of Baseline Road and Kent Bridge Road in the former Townships of Chatham and Camden.

This report will deal with the Baseline section.

A preferred route for the proposed pipeline has been determined and can be found in the Environmental Report which was sent to Shereen Smithanik at the Ministry of Energy ("MOE") on June 1, 2018 as part of the Ontario Pipeline Coordinating Committee review for this project.

2. First Nation and Métis Communities Consulted

Consistent with the 7th Edition of the Ontario Energy Board's *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 2016* Union Gas was delegated the procedural aspects of the consultation from the MOE. A copy of the Union Gas letter informing the MOE of the Chatham-Kent Rural Pipeline Expansion project is attached as Schedule 4-B. The following communities were listed by the MOE in the delegation letter (see Schedule 4-C):

Aamjiwnaang First Nation	Chief Joanne Rogers
	Sharilyn Johnson, Environment Coordinator
Bkejwanong (Wapole Island First Nation)	Chief Dan Miskokomon
	Dr. Dean Jacobs, Consultation Manager
Caldwell First Nation	Chief Ducksworth
Chippewas of the Thames First Nation	Chief Myeengun Henry
	Chief Leslie White-Eye (former)
	Kelly Riley, Acting Lands & Environment Director
	Rochelle Smith, A/Consultation Coordinator
Chippewas of Kettle and Stony Point First	Chief Thomas Bressette
Nation	Valerie George
Oneida Nation of the Thames	Chief Randall Phillips
	Brandon Doxtator, Councillor

3. <u>Consultation Activities</u>

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Date	Activity	Issues raises	Outcome	Doc Location
Feb 14/18	Notification email sent to Chief Rogers and Sharilyn Johnston	Email with project description and map sent to community.	No response received	Schedule 4-A Pg. 29
Mar 12/18	Telephone call and voice mail left with Sharilyn Johnston	Telephone call requesting a consultation meeting on project.	No response received from telephone call	Pg. 34
Mar 24/18	Email to Sharilyn Johnston	Provided a copy of the presentation for the Chatham Kent project. Requested a meeting to discuss the project.	No response received	Schedule 4-D Pg. 34
May 1/18	Email from Courtney Jackson in response to telephone call made to her by Ken McCorkle	Meeting set up to meet with the Consultation committee on May 15, 2018 to discuss project. Also set up a meeting with the Environment Committee for July 10, 2018.	Dates confirmed between Ken McCorkle and Courtney Jackson.	Pg. 35
May 15/18	Meeting to discuss Chatham-Kent Rural Expansion. Attendees: Ken McCorkle, Union Gas Sharilyn Johnson, Environment Coordinator Courtney Jackson, Environment Worker Christine James	 Project presentation walked through providing information on scope and details of the project. Question about Environmental Report and Ken confirm he would have it provided to them. They would like to have monitors on site and agreed to this. Sharilyn asked about vegetation clearing and wanted to make sure they were replaced with the same plants and native species. Particularly interested in the tall grass Prairie and phragmities due to the invasive species. Concerned on water crossings and would like restoration of vegetation making sure done properly and correctly. Suggested they could come to do a tour ahead of time and anytime during the construction Asked if they could be involved in replanting. Told them Union Gas was open to this and Ken wold work with the Construction Engineer on this. 	Ken McCorkle to take away action items and provide to Sharilyn and Courtney in a timely matter.	Schedule 4-D

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 4 of 66

	Page 4 (
Courtney and Sharilyn suggested Wanda Maness would be looking after monitors for archelogy and environment.	Tage + C
Asked about road mortality (animals crossing the road) and wanted to make sure we are sensitive to that.	
Asked if we could have an emergency response session set up to discuss the topic. Agreed to this.	
Agreed another meeting July 10 with entire Environment and consultation committee	

, ,	(Walpole Island) First Nation			<u> </u>
Date	Activity	Issues raises	Outcome	Doc Location
Feb 14/18	Notification email sent to Chief Miskokomon, Dr. Dean Jacobs	Email with project description and map sent	No response received from	Schedule 4-A
	and Janet Macbeth	to community.	email	Pg. 37
Mar 12/18	Telephone call and voice mail left with Dr. Dean Jacobs	Telephone call requesting a consultation	No response received from	Pg. 44
		meeting on project.	telephone call.	
Mar 24/18	Email to Dr. Jacobs and Janet Macbeth	Provided a copy of the presentation for the	Date set for April 9, 2018 at	Schedule 4-D
		Chatham Kent project. Advised that we	11am	Pg. 44
		would set up time for meeting.		
Apr 9/18	Meeting to discuss Chatham-Kent Rural Expansion.	Norm presented power point on the project,	Ken McCorkle to take away	Schedule 4-D
		going slide by slide with explanation.	action items and provide to	
	Attending:		Dr. Jacobs and Janet in a	
	Ken McCorkle, Union Gas Manager, Indigenous Affairs	General Questions about the environment,	timely matter.	
	Norm Dumouchelle, Union Gas Environmental Planner	fox snake, garter snake and snapping turtles.		
	Dr. Dean Jacobs, Lands consultation	Stated that Union Gas has all the proper		
	Janet Macbeth, Coordinator, Lands Resources	protocols in place		
		Both noted that this was an "easy project" as		
		it is all in road allowance and there are no		
		trees disturbed and minimal vegetation		
		disruption, which Union Gas will replace.		
		Asked about the Environmental Assessment		
		and it will be provided to them by the end of		
		April.		

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 5 of 66

	Page 5 of
Walpole also asked about opportunities for	rage 5 01
unskilled labour working on the project (flag	
person). Union Gas will look into this with	
the contractor.	
Walpole Island was very pleased with our	
water crossings in general. Any affected on	
the Chatham Kent Rural will be directionally	
drilled.	
Agreed to keep in contact for further	
questions and will continue to interact.	

Caldwell First Nation

Date	Activity	Issues raises	Outcome	Doc Location
Feb 14/18	Notification email sent to Chief Duckworth	Email with project description and map sent	No response received from	Schedule 4-A
		to community.	email	Pg. 45
Mar 12/18	Telephone call and voice mail left with Chief Duckworth	Telephone call requesting a consultation	No response received from	Pg. 48
		meeting on project.	telephone call.	
Mar 15/18	Telephone call with Chief Duckworth	Chief stated that they were working on a		
		consultation protocol and it should be ready		
		within the next week. Will provide it once		
		complete.		
Mar 24/18	Email to Chief Ducksworth	Provided a copy of the presentation for the		Schedule 4-D
		Chatham Kent project. Requested a meeting		Pg. 48
		to be set up to discuss		
Apr 19/18	Telephone call with Darryl Vanoirschot	Spoke with Darryl who advised that the	Email sent to Darryl	Pg. 49
		consultation protocol has not yet been	confirming the discussion	
		completed. We agreed that Union Gas	and providing the	
		would forward a copy of the presentation	presentation.	
		and Darryl would set up a meeting with		
		Council to consult on this project.		
May 25/18	Telephone call to Community to discuss consultation on	Call to community was direct to Nikki and a	Continue to reach out to	Pg. 49
	project	voicemail was left.	community to consult on	-
			project.	
Chippewa of	f the Thames First Nation			
Date	Activity	Issues raises	Outcome	Doc Location
Feb 14/18	Notification email sent to Chief Henry and Kelly Riley	Email with project description and map sent	No response received from	Schedule 4-A
		to community.	email	Pg. 50
Mar 12/18	Telephone call and voice mail left with Emma Young	Telephone call requesting a consultation	No response received from	Pg. 55
				-

meeting on project.

telephone call.

Filed: 2018-06-05 EB-2018-0188 Schedule 23

				Dage 6
Mar 24/18	Email to Emma Young and Kelly Riley	Provided a copy of the presentation for the		Schedule 4-B
		Chatham Kent project. Requested a meeting		Pg. 55
		to be set up to discuss		
Mar 26/18	Email received from Emma Young, Sr. Environmental Officer	Email to request a meeting on April 11 at	Confirmed with Union Gas.	Pg. 56
		10am to discuss the project.		
Apr 10/18	Email received from Emma Young	Meeting on April 11 rescheduled to a	Ken McCorkle confirmed	Pg. 57
•		conference call on April 12 at 4pm.	change was ok. Meeting to	
			be via conference call on April 12.	
Apr 12/18	Meeting with Rochelle Smith, Consultation Coordinator and	Discussed the project details. Question	Union Gas will make	
	Emma Young, Sr. Environmental Officer.	about the purpose and the demand for the project.	arrangements for archelogy monitors to be onsite.	
		Asked about the potential for an Archelogy	Union Gas will forward	
		monitor as they would like to participate.	Species at Risk and	
		Union Gas agreed to this and will make	Hydrogeology reports once	
		arrangements.	complete.	
		Their main concern was that they wanted the	Will arrange tour date once	
		native species re-planted where removed	project has been approved	
		rather than the standard spray used by MTO	and commences.	
		or Union Gas normally use. Advised that		
		Union Gas will look into it and see what we		
		can do. Since project is along the road		
		allowance there will be minimal vegetation disruption.		
		They would like a copy of the Species at risk		
		and hydrogeology study. Ken McCorkle will		
		ensure these are forwarded to them.		
		Concerns over the Water and vegetation		
		around the water. Advised that Union Gas		
		has protocol in place for this and they were		
		satisfied with this.		
		Asked for a tour on the site and Union will		
		set that up during the project.		
			l	

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 7 of 66

Feb 14/18	of the Kettle and Stony Point First Nation Notification email sent to Chief Bressette and Valerie George	Email with project description and map sent	No response received from	Schedule 4-A
		to community.	email	Pg. 58
Mar 12/18	Telephone call and voice mail left for Valerie George.	Telephone call requesting a consultation meeting on project.	No response received from telephone call	Pg. 63
Mar 21/18	Ken McCorkle had a conversation with Valerie George at Chippewas of the Thames First Nations career fair	Valerie stated she would send over some meeting dates for the Chatham Kent Rural project.	Awaiting to hear from Valerie George.	
Mar 24/18	Email to Valerie George	Provided a copy of the presentation for the Chatham Kent project.		Schedule 4-D Pg. 63
Apr 17/18	Consultation meeting Valerie George, Consultation Manager Brian Monague, Councillor Peter Cloud Sr., Councillor Paul Henry, community member at large. Ken McCorkle Norm Dumouchelle, Environmental Planner	 Norm walked through presentation slide by slide. Noted that all work is within road allowance and most will be directional drilled. They were pleased with this. Noted that there will be minimal vegetation removal. Committee asked if people could hook into the transmission line and told not possible. Committee asked about water crossings and advised all would be directional drilled which Union Gas does as practice. Advised that construction is the summer of 2019. Committee asked what other questions First Nations ask during consultation. Responded that mostly interested in pipe laid (directional drill, open cut, what vegetation disturbed). Asked if a biologist on hand and advised that we have inspectors and an environmental person on site. Committee asked about the damn and pump procedure for crossing water courses. 	Agreed that if any other questions, the committee would reach out to Ken McCorkle. Union Gas would be in touch if any changes occur.	

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page § of 66

Committee asked what depth we drill and	Page
explained the depth is based on soil types	
etc.	
Brian Monague interested in the fact that the	
War of 1812 was in area and would like to be	
notified by archelogy if anything found as the	
sensitivity to that area for their nation.	
Walked through the four stages of archelogy.	
Advised that community could have a	
monitor on site as part of normal process. If	
anything found of significance with the	
monitor, we would advise the committee of	
that. Pleased with this.	
Committee asked about width of road	
allowance, flexibility of pipe (steel vs plastic)	
Agreed that if any other questions, the	
committee would reach out to Ken McCorkle.	
Union Gas would be in touch if any changes	
occur.	

Oneida Nation of the Thames

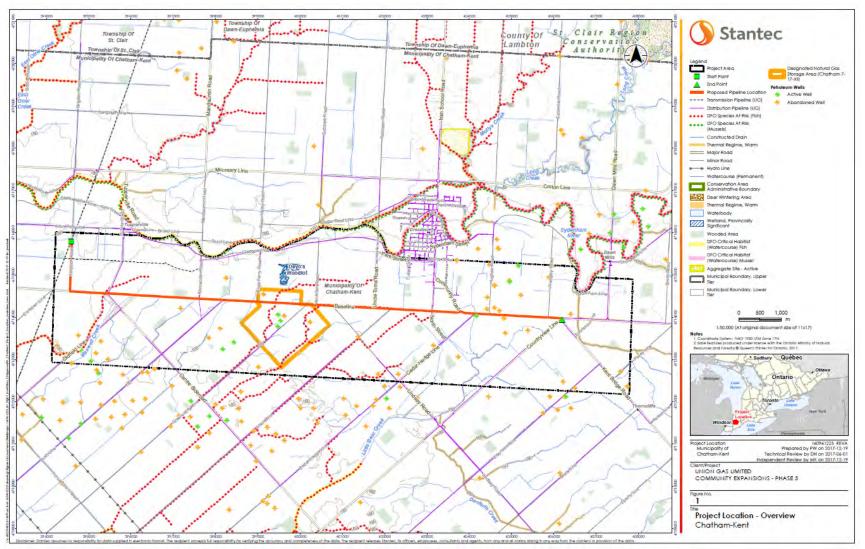
Date	Activity	Issues raises	Outcome	Doc Location
Feb 14/18	Notification email sent to Chief Phillips	No response received from email	No response received from email	Schedule 4-A Pg. 64
Mar 2/18	Consultation meeting with Brandon Doxtator, Councillor to discuss project.	Reviewed a presentation on the project and provided a hardcopy and also have emailed copy to Brandon for him to share with council. Map also provided of the project. Arranged with Mr. Doxtator to have four students involved with Environmental studies to tour one of Union's construction sites to see firsthand a project in action that relates to their field of study. Questioned about clean up and process on	Both parties agreed to continue to consult and respond back and forth as required.	Schedule 4-D
		construction. All questions were answered and he was satisfied with information provided.		

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			1	Schedule 4-R) of 66
Mar 22/18	Email to Brandon Doxtator	As promised following the meeting on Mar 2,	No response required.	Schedule 4-R	01 00
		2018, Ken McCorkle provided an electronic		Pg. 66	
		copy of the map discussed at meeting.			
					_

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 10 of 66

4. Supporting Documentation

Schedule A – Chatham Kent Rural Pipeline Expansion Project Location map



From: Ken McCorkle Sent: December-20-17 2:39 PM To: Sharkey, Emma (ENERGY) Subject: Project Summary for the Ministry of Energy (Chatham-Kent Rural Pipeline Expansion Project)

Hello Emma:

Please find attached the Chatham-Kent Rural Pipeline Expansion Project for your review along with a map depicting the location. I will await your response to move forward on any Indigenous consultation that is required. Could you please confirm receipt of this email?

Regards, Ken

Ken McCorkle

Manager, Indigenous Affairs Union Gas Ltd. Phone: 519-436-4600 Ext.5002243 Cell; 519-365-0584 Toll Free: 877-293-6215 Fax; 519-436-5392 Email: <u>kmccorkle@uniongas.com</u> We can't change the past, but we can influence our future

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 12 of 66



December 20, 2017

Ms. Emma Sharkey Manager, Indigenous Energy Policy Ministry of Energy 77 Grenville Street, 6th Floor Toronto, ON M7A 2C1

Dear Ms. Sharkey:

Re: Chatham-Kent Rural Pipeline Expansion Project

Enclosed please find Union's Report to the Ministry of Energy to determine the Indigenous Consultation required for the above noted project. I have also enclosed a detailed map of the area. In the event that you have any questions on the above or would like to discuss in more detail, please do not hesitate to contact me.

Yours truly,

Ken McCorkle

Ken McCorkle Manager, Indigenous Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1 Phone: 519-436-4600 ext. 5002243 Email: kmccorkle@uniongas.com

P.J. Box 2001, 50 Keil Drive North, Chainam, 0N, N7M 5001 swwy.terronal.com

Union Gas Limited - Chatham-Kent Rural Pipeline Expansion Project Summary for Ministry of Energy

1. Introduction

This Summary Report has been prepared to provide the Ministry of Energy ("MOE") with an overview of the Chatham-Kent Rural Pipeline Expansion Project ("Project"), to support the preparation of a contact list of indigenous communities that may have an interest in the Project.

1.1 Project Overview

Union Gas Limited ("Union Gas") is proposing to construct approximately 13 kilometres of a new NPS 8 inch diameter natural gas pipeline to ensure the continued safe and reliable delivery of natural gas to existing and potential customers in the Municipality of Chatham-Kent. The proposed pipeline is located entirely within the Municipality of Chatham-Kent, and will commence at Union's Simpson Rd. Station and proceed south and east to the end point. A map indicating the proposed pipeline location is shown in Figure 1 (attached).

The following co-ordinates define the start point and end point of the project:

Proposed Locations	Latitude	Longitude
Simpson Road Station	42"35'14.015"N	82'17'04.99"W
End Point 2		
Kent Bridge Rd Base Line Rd.	42'34'19.6"N	82'08'34.0"W

2. Regulatory Requirements and Approvals

Ontario Energy Board ("OEB") review and approval is required before this project can proceed. As part of that application, an Environmental Review (ER) will be conducted in accordance with the OEB Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016). The ER for this Project is anticipated to be completed and submitted to the OEB as early as June 2018, and the proposed project to be in service by November 2019. Other permits and authorizations for the project will be determined and may be necessary at the Federal, Provincial and Monicipal levels.

3. Environmental Planning Process

The environmental planning process for the Project will be initiated in January of 2018 by Union Gas, with support provided throughout the process by consultant archaeologists, cultural heritage specialists, and biologists. The following provides a general overview of the environmental planning process for the Project:

Complete an Environmental Protection Plan (EPP)

Describe the proposed work necessary for the Project;

- Describe the procedures that will be followed during construction of the facilities;
- Identify potential environmental impacts and recommend measures to minimize those impacts; and
- Describe the public consultation opportunities.
- Complete all necessary studies and assessments
 - An Archaeological Assessment will be conducted by a licensed archaeologist in accordance with the Ministry of Tourism, Culture and Sport (MTCS) guidelines to identify known or potential archaeological resources within the Project area and will develop an appropriate mitigation plan if required.
 - A heritage specialist will review the running line for potential cultural heritage landscapes and built heritage resources and will develop an appropriate mitigation plan if required.
 - A certified biologist will review the running line for potential species at risk and determine if any species will be impacted by construction activities and will develop an appropriate mitigation plan if required.
- Obtain all necessary environmental permits and approvals
 - Union Gas will work with all relevant governing agencies (i.e. the Ministry of Natural Resources and Forestry (MNRF)) to obtain any permit and/or approval should it be necessary.

4. Consultation

Consultation is an important part of the environmental planning process and may include discussions with the relevant federal and provincial agencies and authorities (such as the St. Clair Region Conservation Authority), municipalities, interested and potentially affected landowners, and interest groups, as well as First Nations and Metis Nations as identified by the MOE.

Union Gas will meet with the Township, County, and MNRF to discuss and review the project. Union Gas will also meet with any directly affected landowners.

5. Project Activities

The pipeline will be installed using Unions standard construction practices which include grading the site, digging the trench, installing the welded pipeline in the trench, testing the pipeline, and restoring the area to its original condition.

6. Summary and Conclusion

The purpose of this report is to provide MOE with preliminary information regarding the Project and acquire a list of Indigenous communities that may be interested in providing feedback during the project planning process. Field work and data collection will be undertaken to determine the potential effects of this Project during the construction, and operation phases. Mitigation measures to manage these potential effects will be identified and will include proposed monitoring and contingency plans which will be implemented to ensure effects are minimized.

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 15 of 66

Schedule C - Letter of Delegation of Authority to Union Gas

Ministry of Energy

77 Grenville Street 6th Floor Toronto ON M7A 2C1 Tel: (416) 314-2599 Ministère de l'Énergie 77 rue Grenville ⁶⁴ étage Toronto ON M7A 2C1 Tél: (416) 314-2599



Indigenous Energy Policy

VIA EMAIL

February 2, 2018

Ken McCorkle Manager, Indigenous Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1

Re: Chatham-Kent Rural Pipeline Expansion Project

Dear Ken McCorkle:

Thank you for your email dated December 20, 2017 notifying the Ministry of Energy of Union Gas Limited's proposal for the Chatham-Kent Rural Pipeline Expansion Project and requesting clarification on Duty to Consult requirements.

I understand that Union Gas Limited is proposing to construct a new natural gas pipeline to service existing and potential customers in the municipality of Chatham-Kent. The project consists of approximately 13 kilometres of a new NPS 8 inch diameter natural gas pipeline to service the community. The proposed pipeline is located entirely within the municipality of Chatham-Kent and will commence at Union's Simpson Road Station and will proceed south and east to the end point at Kent Bridge Road – Base Line Road.

Proposed Locations	Latitude	Longitude
Start	42°35'14.015"N	82°17'04.99"W
End Point 2	n se altra e arras	Color amongato
Kent Bridge Rd	42°34'19.6"N	82°08'34.0"W
Base Line Rd.	without a diff rate	Concerned March 11, 1990

The Ministry has reviewed the information provided relative to its current understanding of the interests of First Nation and Métis communities in the area and has determined



that it may have the potential to affect First Nation and Métis communities who hold or claim Aboriginal or treaty rights protected under Section 35 of Canada's *Constitution Act* 1982.

As you are aware, the Government of Ontario (the "Crown") has a constitutional duty to consult and accommodate First Nation and Métis communities when Crown project approvals may lead to an appreciable adverse impact on established or asserted Aboriginal or treaty rights. While the legal duty to consult falls on the Crown, the Crown may delegate the day-to-day, procedural aspects of consultation to project proponents. The Ministry of the Energy is delegating the procedural aspects of consultation to Union Gas Limited through this letter.

Based on the Crown's preliminary assessment of First Nation and Métis community rights and project impacts, the following Aboriginal communities should be consulted on the basis that they have or may have constitutionally protected Aboriginal or treaty rights that may be adversely affected by the Project:

Community	Mailing Address
Aamjiwnaang First Nation	978 Tashmoo Avenue Sarnia, ON
-	N7T 7H5
Bkejwanong (Walpole Island) First	RR #3
Nation	Walpole Island, ON
	N8A 4K9
Caldwell First Nation	14 Orange Street
	Leamington, ON
	N8H 1P5
Chippewas of the Thames First Nation	320 Chippewa Road, RR #1
	Muncey, ON
	NOL 1YO
Chippewas of Kettle and Stony Point	6247 Indian Lane
	Kettle & Stony Point First Nation, ON N0N 1J0
Oneida Nation of the Thames	RR 2
	Southwold, ON
	N0L 2G0

This rights-based consultation list is based on information that is subject to change. First Nation and Métis communities may make new rights assertions at any time, and other developments (e.g. the discovery of Aboriginal archaeological sites) can occur that may require additional First Nation and/or Métis communities to be notified and/or consulted. If you become aware of potential rights impacts on communities that are not listed above at any stage of the consultation and approval process, kindly bring this to the attention of the Ministry with any supporting information regarding the claim. The

2/3

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 17 of 66

Ministry will then assess whether it is necessary to include the community on the rightsbased consultation list above.

It is the Ministry's expectation that Union Gas Limited will communicate directly with the communities listed above, and that Union Gas Limited will:

- Notify the communities that Union Gas Limited has been delegated the procedural aspects of consultation by the Ministry of Energy on behalf of Ontario.
- Notify the communities that they may contact the Crown directly should they
 have any questions or concerns.
- Provide the communities with the following contact information should they wish to communicate directly with the Ministry:
 - Shereen Smithanik Senior Policy Advisor Indigenous Energy Policy Ministry of Energy 416-326-0513 Shereen.Smithanik@ontario.ca
- · Please copy the Ministry contact when communicating the above information.

The Ministry relies on consultation conducted by proponents when it assesses the Crown's obligations and directs proponents during the regulatory process. Union Gas Limited's responsibilities for procedural aspects of consultation include:

- Providing the First Nation and Métis communities with timely notice of the project for the purposes of considering possible impacts on their Aboriginal and/or treaty rights;
- In that notice, clearly stating that Union Gas Limited has been delegated the procedural aspects of consultation by the Ministry of Energy on behalf of Ontario for the project.
- Providing First Nation and Métis communities with information about the project including anticipated impacts, and information on project timelines;
- Following up with First Nation and Métis communities to ensure they have received project information and that they are aware of the opportunity to express comments and concerns about the project;
- Explaining the regulatory and approval processes that apply to the project;
- Gathering information about how the project may adversely impact the relevant Aboriginal and/or treaty rights (for example, hunting, fishing) or sites of cultural significance (for example, burial grounds, archaeological sites);
- Considering the comments and concerns raised by First Nation and Métis communities and providing responses;

3/3

- Where appropriate, discussing accommodation, including mitigation or other measures to address potential adverse impacts on Aboriginal and/or treaty rights;
- Where appropriate, developing and discussing with the Crown appropriate accommodation measures;
- Taking reasonable steps to foster positive relationships with the First Nation and Métis communities;
- Bearing the reasonable costs associated with these procedural aspects of consultation; and
- Maintaining records of activities in relation to carrying out the delegated procedural aspects of consultation and providing information to the Ministry.

If you have any questions about this letter or require any additional information please contact Shereen Smithanik at 416-326-0513 or Shereen.Smithanik@ontario.ca

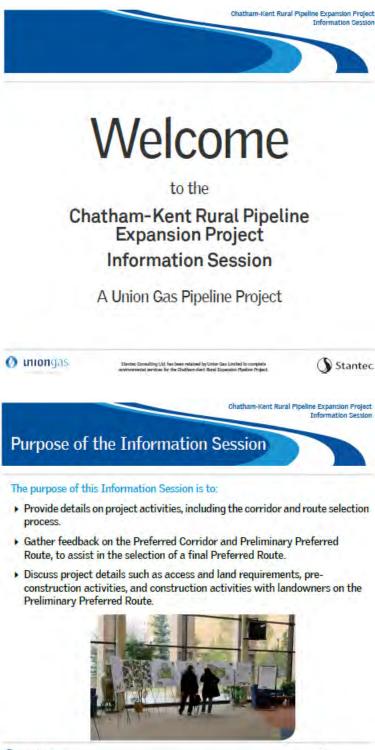
Sincerely,

Emma Sharkey A/Manager Indigenous Energy Policy

C: Ontario Pipeline Coordinating Committee (OPCC)

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 19 of 66

Schedule D – Information Session handout

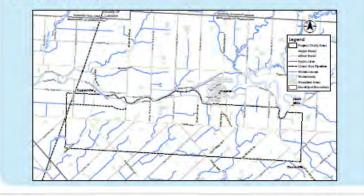


🙆 uniongas

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 20 of 66



The proposed new 8-inch diameter pipeline will be approximately 13 km in length. It will begin at Union Gas' existing Simpson Road Station (near the community of Tupperville) and proceed south in the road allowance of Simpson Road and then east within the road allowance of Base Line Road to an end point in the vicinity of the intersection of Base Line and Kent Bridge Road. The Project Study Area is shown below.



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Stantec

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 21 of 66

Chatham-Kent Rural Pipeline Expansion Project Information Session

Why is Union Gas Undertaking this Project?

Union Gas is undertaking the proposed project to:

- Increase capacity and accommodate additional demand for natural gas in the Municipality of Chatham-Kent.
- Meet the growing agricultural, commercial, and industrial market demand for natural gas in Chatham-Kent, including in the fast-growing greenhouse market to support local jobs and economic growth in the coming years.



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Stantec

Chatham-Kent Rural Pipeline Expansion Project Information Session

Environmental Study Process

The environmental study and subsequent Environmental Report for the project will be completed as per the Ontario Energy Board's (OEB) "Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)."

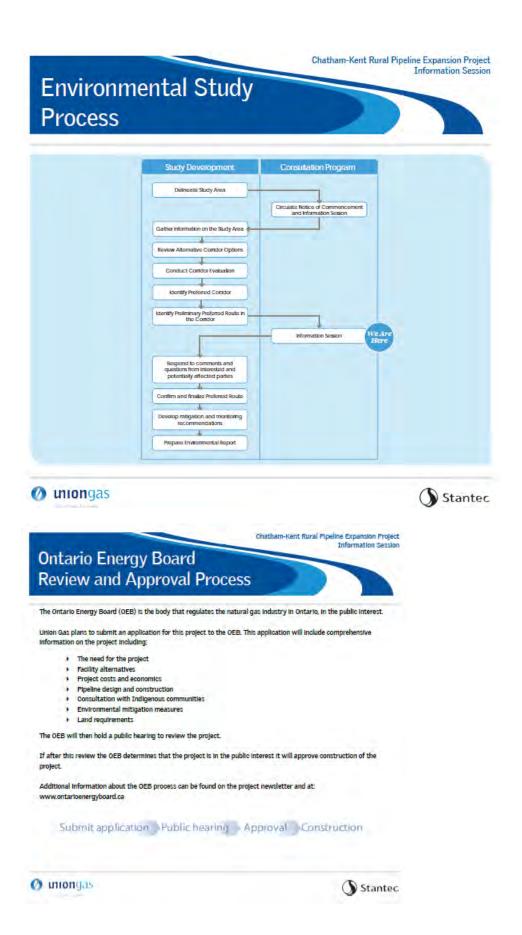
The study will:

- Undertake consultation to understand the views of interested and potentially affected parties
- Consult with Indigenous communities to understand interests and potential impacts
- Be conducted during the earliest phase of the project

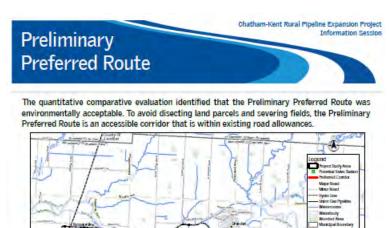


- Identify a route for the pipeline
- · Identify potential impacts of the project
- Develop mitigation and protective measures to avoid or minimize potential impacts
- Develop an appropriate inspection, monitoring and follow-up program

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Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 23 of 66



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Chatham-Kent Rural Pipeline Expansion Project Information Session

Access and Land Requirements

Union Gas will work with directly affected landowners along the pipeline route to obtain the land rights necessary to construct the pipeline. Union Gas will continue discussions if appropriate land rights for the construction of the pipeline are necessary.

These land rights may consist of permanent easements and/or temporary easements. The temporary rights are only required during construction activities.

Union Gas will ensure that a Land Relations Agent (LRA) is available to each Landowner during the entire pipeline construction process. The LRA will continue to communicate to all landowners around the project progress and assist with any concerns that may arise as a result of the construction activities.

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Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 24 of 66

Chatham-Kent Rural Pipeline Expansion Project Information Session

Socio-Economic Features

The project will be constructed mainly in existing road allowances, as well as private business (including agriculture) and residential land.

Potential Effects

- Temporary increases in noise, dust and air emissions
- Increased construction traffic volumes
- Temporary impariment of the use and enjoyment of property
- Vegetation clearing along the pipeline easement (if needed)



Example Mitigation Measures

- Provide access across the construction area
- Restrict construction to daylight hours, and adhere to applicable noise by-laws
- > Develop and Implement a Traffic Control Plan
- Place fencing at appropriate locations for safety
- Implement a water well monitoring program
- Make contact information for a designated Union Gas representative available prior to and throughout construction

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Stantec

Chatham-Kent Rural Pipeline Expansion Project Information Session



Union Gas understands the importance of protecting wildlife during construction and therefore will implement recognized mitigation measures to minimize possible environmental effects.

The pipeline crosses 8 known watercourses.

Potential Effects

- Disruption and alteration to aquatic species and habitat and/or nuisance effects
- Increased erosion, sedimentation, and turbidity resulting from removal of vegetation

Example Mitigation Measures

- Conduct surveys of waterbodies
- Secure all permits from St. Clair Region Conservation Authority
- Limit in-channel construction, where possible, and conform to fish timing window guidelines
- For in-channel construction, protect aquatic species and manage sedimentation and turbidity
- Restore and seed areas to establish habitat and reduce erosion
- Replace riparian vegetation



Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 25 of 66

Chatham-Kent Rural Pipeline Expansion Project Information Session Cultural Heritage Resources During the course of construction, cultural heritage features such as archaeological finds, buildings, fences and landscapes may be encountered. Detailed field surveys will be conducted by independent, third-party archaeologists and cultural heritage professionals. **Potential Effects Example Mitigation Measures** Archaeological assessment of the construction right-of-way, with review and comment from the Ministry of Tourism, Culture and Sport (MTCS) Damage or destruction of archaeological, paleontological or historical resources ٤ Oultural heritage assessment (for built heritage features and cultural heritage landscapes) of the construction right-of-way, with review and comment from the MTOS Reporting of any previously unknown archaeological, paleontological or historical resources uncovered, or suspected of being uncovered, during excavation () uniongas Stantec Chatham-Kent Rural Pipeline Expansion Project Information Session **Terrestrial Resources** During the course of construction, natural heritage features such as wildlife habitat and wooded areas will need to be crossed. Potential Effects **Example Mitigation Measures**

- Damage or removal of vegetation and wildlife habitat adjacent to the construction area
- Disturbance and/or mortality to local wildlife
- Conduct surveys (including Species at Risk surveys) in advance of construction to determine opportunities for wildlife habitat to exist
- Clearly mark the construction area to avoid accidental damage
- Restore and seed areas to establish habitat and reduce erosion
- Secure any necessary permits, and follow . any conditions of approval

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Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 26 of 66



Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 27 of 66



🙆 uniongas

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 28 of 66



Correspondence - Aamjiwnaang First Nation

rom:	Ken McCorkle Sent: Wed 14/02/2018	8:54 A
o:	Chief Rogers; Sharilyn Johnston	
c:	Shereen Smithanik (Shereen.Smithanik@ontario.ca); Lauren Whitwham	
ubject:	Chatham-Kent Rural Project!	
🗹 Messagi	🖞 🔀 Aamjiwnaang First Nation.pdf (323 KB)	
	ief Rogers & Sharilyn: nd attached a notification of the above noted project. Union will be in contact with you to follow up on the consultation process.	
Miigwet	ch,	
Ken		
Ken I	1cCorkle	
	r, Indigenous Affairs	
Union G		
	19-436-4600 Ext.5002243	
	-365-0584	
	e: 877-293-6215	
Fax; 519	J-436-5392	
Emoil: k	mccorkle@uniongas.com	
Linaii. K		

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 30 of 66



February 20, 2018 File: 160961248

Attention: Chief Joanne Rogers Aamjiwnaang First Nation 978 Tashmoo Avenue Sarnia, ON N7T7H5

Dear Chief Joanne Rogers,

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Pipeline Expansion Project: Notice of Project Commencement and Information Session

To meet the growing demand for natural gas, Union Gas is proposing to construct a new 8-inch natural gas pipeline in the Municipality of Chatham-Kent. The proposed pipeline will meet the growing agricultural, commercial, and industrial market demand for natural gas in Chatham-Kent and surrounding areas, including in the fast-growing greenhouse market.

The proposed pipeline will be approximately 13 km in length and will begin at Union Gas' existing Simpson Road Station (near the community of Tupperville) and proceed south and east within the road allowance of Base Line Rd.to an end point near the corner of Base Line Road and Kent Bridge Road east of Dresden.

A preliminary preferred route for the proposed pipeline has been determined. A route selection process is currently being conducted to evaluate alternative corridors. Attached please find a newspaper notice, which includes a map of the study area.

As an integral part of this project, Union Gas has hired Stantec Consulting Ltd. to undertake an environmental study of the construction and operation of the proposed pipeline and related facilities. The environmental study will fulfill the requirements of the Ontario Energy Boards' (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario* (2016).

The environmental study process will include consultation and engagement with landowners, municipalities, agencies, Indigenous communities, and other interested parties through notices, mailouts, meetings and an information session. The Stantec-authored Environmental Report will accompany the Union Gas application to the OEB, whose review and approval is needed before the project can proceed. If approved, construction could begin as early as Spring/Summer 2019.

The information session will be held as follows:

Tuesday March 6, 2018 5:00 pm to 8:00 pm The Old Czech Hall 116 St John Street East Dresden, ON

P.O. Box 2001, 50 Keil Drive North, Chatham, ON N7M 5M1. www.uniongas.com Union Gas Limited

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 31 of 66



February 20, 2018 Page 2 of 2

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Expansion Project: Notice of Project Commencement

Aamjiwnaang First Nation is invited to provide comments regarding the proposed project. Specifically, Stantec is seeking information about any adverse impacts that the project may have on constitutionally protected aboriginal or treaty rights and any measures for mitigating those adverse impacts. Stantec is also seeking background environmental and socio-economic information that may be useful in compiling an inventory.

For additional information, please visit Union Gas' website for this project: <u>www.uniongas.com/Projects</u>. If you have any questions or comments regarding the environmental study process for the proposed project please do not hesitate to contact the undersigned.

Sincerely,

Ken McCorkle

Ken McCorkle Manager, Indigenous Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1 Phone: 519-436-4600 ext. 5002243 Email: kmccorkle@uniongas.com

Attachment: Newspaper Notice

c. Steve Thurtell, Stantec Consulting Ltd.

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 32 of 66



February 20, 2018 File: 160961248

Attention: Sharilyn Johnston SENT VIA EMAIL: sjohnston@aamjiwnaang.ca

Dear Sharilyn Johnston,

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Pipeline Expansion Project: Notice of Project Commencement and Information Session

To meet the growing demand for natural gas, Union Gas is proposing to construct a new 8-inch natural gas pipeline in the Municipality of Chatham-Kent. The proposed pipeline will meet the growing agricultural, commercial, and industrial market demand for natural gas in Chatham-Kent and surrounding areas, including in the fast-growing greenhouse market.

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P.O. Box 2001, 50 Keil Drive North, Chatham, ON N7M 5M1 www.uniongas.com Union Gas Limited

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 33 of 66



February 20, 2018 Page 2 of 2

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Expansion Project: Notice of Project Commencement

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For additional information, please visit Union Gas' website for this project: <u>www.uniongas.com/Projects</u>. If you have any questions or comments regarding the environmental study process for the proposed project please do not hesitate to contact the undersigned.

Sincerely,

Ken McCorkle

Ken McCorkle Manager, Indigenous Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1 Phone: 519-436-4600 ext. 5002243 Email: kmccorkle@uniongas.com

Attachment: Newspaper Notice

c. Steve Thurtell, Stantec Consulting Ltd.

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 34 of 66

	0	
Sent:	Thu 15/03/2018 5:09 PM	

From:	Ken McCorkle Sent: Thu 15/03/2018 5:09	PN
To:	Lauren Whitwham	
Cc:		
Subject:	Consultation Request for Chatham-Kent Rural Pipeline Project!	
		5
Hello La	auren:	
I follow	ved up with a phone call, Monday March 12, 2018, to the following Nations to request a consultation regarding the Chatham–Kent	F
Rural Pi	ipeline project:	
1) Aamj	jiwnaang First Nation (Sharilyn Johnson)	
2) Kettle	e & Stony Point First Nation (Valerie George)	
3) Walp	pole Island First Nation (Dr. Dean Jacobs)	
4) Cald	well First Nation (Chief Duckworth)	
5) Chipp	pewa of the Thames First Nation (Emma Young)	
Oneida	First Nation was on the consultation list from the Ministry of Energy but I have already contacted them and conducted a consultation	
with Br	andon Doxtator, councillor for the First Nation, on Friday March 2, 2018.	
Regard	S,	
Ken		-
Ken	McCorkle	
	er, Indigenous Affairs	
	er, molgenous Anans Gas Ltd	
	519-436-4600 Ext 5002243	
Cell; 51	19-365-0584	
Toll Fre	ee: 877-293-6215	
	19-436-5392	
	kmccorkle@uniongas.com	
We car	n't change the past, but we can influence our future	

From:	Ken McCorkle Sent: Sat 24/03/2018 8	:56 PM
To:	Sharilyn Johnston	
Cc:	Lauren Whitwham	
Subject:	Chatham-Kent Rural Natural Gas pipeline project	
🖂 Message	e 🧏 Chatham-Kent Rural Project.pdf (6 MB)	
Halla Sh		23

Hello Sharilyn:

Please see the attached presentation for the Chatham-Kent Rural pipeline that I called about on March 12, 2018. Could you please contact me regarding a time to set up a consultation for this project? Looking forward to meeting you again. I will await your call,

Miigwetch, Ken

Ken McCorkle Manager, Indigenous Affairs Union Gas Ltd. Phone: 519-436-4600 Ext.5002243 Cell; 519-365-0584 Toll Free: 877-293-6215 Fax; 519-436-5392 Email: <u>kmccorkle@uniongas.com</u> We can't change the past, but we can influence our future

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 35 of 66

From: Courtney Jackson [mailto:cjackson@aamjiwnaang.ca] Sent: May-01-18 11:30 AM To: Ken McCorkle Cc: Sharilyn Johnston; Christine James Subject: [External] AFN Environment Committee Dates

Good morning Ken,

Re: Chatham-Kent Rural Project

Thank you for your call today to start consultation process with Aamjiwnaang First Nation. As mentioned over the phone, we have agreed to set up a meeting for Tuesday, May 15, 2018 at 11:00 am at our office (located behind the Band Administration Building) to discuss the project.

Also I would like to set up a meeting with the Environment Committee and I've provided upcoming meeting dates. Our committee meets twice per month, please select a date that works best for Union Gas, as our meetings tend to fill up quickly.

Upcoming meeting dates:

- 1. Tuesday, June 19, 2018
 - a. 5:00 pm
 - b. 5:30 pm
- 2. Tuesday, July 10, 2018
 - a. 5:00 pm
- b. 5:30 pm
- 3. Tuesday, July 17, 2018
 - a. 5:00 pm
 - b. 5:30 pm

Presentations are scheduled for 30 minutes but if you require more time, please let me now and we can arrange it. The Environment Committee meetings are held at the Band Administration Building (978 Tashmoo Avenue, Sarnia, ON N7T 7H5)

If you have any questions, please let me know.

Sincerely, Courtney Jackson

Courtney Jackson

Environment Worker Aamjiwnaang First Nation 978 Tashmoo Ave. Sarnia, ON N7T 7H5 Tel: (519) 336-8410 Fax: (519) 336-0382 https://www.facebook.com/AamjiwnaangEnvironment www.aamjiwnaang.ca From: Ken McCorkle <<u>KMcCorkle@uniongas.com</u>> Sent: Thursday, May 3, 2018 8:40 AM To: Courtney Jackson <<u>cjackson@aamjiwnaang.ca</u>> Cc: Sharilyn Johnston <<u>sjohnston@aamjiwnaang.ca</u>>; Christine James <<u>cjames@aamjiwnaang.ca</u>>; Lauren Whitwham <<u>LWhitwham@uniongas.com</u>> Subject: RE: AFN Environment Committee Dates

Hello Courtney:

Please book us in for Tuesday July 10, 2018 for 5:00PM. Appreciate your response and I will see you on the 15th.

Miigwetch, Ken

Good af	fternoon Ken,	
Subject:	[External] RE: AFN Environment Committee Dates	
Cc:	Sharilyn Johnston; Christine James; Lauren Whitwham	
To:	Ken McCorkle	
From:	Courtney Jackson <cjackson@aamjiwnaang.ca></cjackson@aamjiwnaang.ca>	Sent: Mon 07/05/2018 2:02 PM

Thank you for response, I've scheduled Union Gas for July 10, 2018 at 5:00 pm with the Environment Committee.

Thank you, Courtney

Correspondence - Bkejawnong (Walpole Island) First Nation

rom:	Ken McCorkle	Sent: Wed 14/02/2018 9	:04 A
D:	dan.miskokomon@wifn.org; Dean Jacobs; Janet Macbeth		
3	Shereen Smithanik (Shereen.Smithanik@ontario.ca); Lauren Whitwham		
ıbject:	Chatham-Kent Rural Project!		
Message	🗏 Walpole Island First Nation.pdf (328 KB)		
			Ċ
	ef Miskokomon, Dr. Jacobs & Janet:		- 1
lease fin	d attached a notification of the above noted project. Union will be in contact with you to follow	up on the consultation process.	
Miigwetcl	h,		
Ken			
az a.			
Кеп М	cCorkle		
Manager,	Indigenous Affairs		
Jnion Ga	is Ltd.		
Phone: 51	19-436-4600 Ext.5002243		
Cell; 519-	-365-0584		
Toll Free:	: 877-293-6215		
	436-5392		
	nccorkle@uniongas.com		
Ne can't	change the past, but we can influence our future		

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 38 of 66



February 20, 2018 File: 160961248

Attention: Chief Dan Miskokomon Bkejwanong (Walpole Island) First Nation RR#3 Walpole Island, ON N8A4K9

Dear Chief Dan Miskokomon,

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Pipeline Expansion Project: Notice of Project Commencement and Information Session

To meet the growing demand for natural gas, Union Gas is proposing to construct a new 8-inch natural gas pipeline in the Municipality of Chatham-Kent. The proposed pipeline will meet the growing agricultural, commercial, and industrial market demand for natural gas in Chatham-Kent and surrounding areas, including in the fast-growing greenhouse market.

The proposed pipeline will be approximately 13 km in length and will begin at Union Gas' existing Simpson Road Station (near the community of Tupperville) and proceed south and east within the road allowance of Base Line Rd.to an end point near the corner of Base Line Road and Kent Bridge Road east of Dresden.

A preliminary preferred route for the proposed pipeline has been determined. A route selection process is currently being conducted to evaluate alternative corridors. Attached please find a newspaper notice, which includes a map of the study area.

As an integral part of this project, Union Gas has hired Stantec Consulting Ltd. to undertake an environmental study of the construction and operation of the proposed pipeline and related facilities. The environmental study will fulfill the requirements of the Ontario Energy Boards' (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario* (2016).

The environmental study process will include consultation and engagement with landowners, municipalities, agencies, Indigenous communities, and other interested parties through notices, mailouts, meetings and an information session. The Stantec-authored Environmental Report will accompany the Union Gas application to the OEB, whose review and approval is needed before the project can proceed. If approved, construction could begin as early as Spring/Summer 2019.

The information session will be held as follows:

Tuesday March 6, 2018 5:00 pm to 8:00 pm The Old Czech Hall 116 St John Street East Dresden, ON

P.O. Box 2001, 50 Keil Drive North, Chatham, ON N7M 5M1 www.uniongas.com Union Gas Limited

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 39 of 66



February 20, 2018 Page 2 of 2

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Expansion Project: Notice of Project Commencement

Bkejwanong (Walpole Island) First Nation is invited to provide comments regarding the proposed project. Specifically, Stantec is seeking information about any adverse impacts that the project may have on constitutionally protected aboriginal or treaty rights and any measures for mitigating those adverse impacts. Stantec is also seeking background environmental and socio-economic information that may be useful in compiling an inventory.

For additional information, please visit Union Gas' website for this project: <u>www.uniongas.com/Projects</u>. If you have any questions or comments regarding the environmental study process for the proposed project please do not hesitate to contact the undersigned.

Sincerely,

Ken McCorkle

Ken McCorkle Manager, Indigenous Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1 Phone: 519-436-4600 ext. 5002243 Email: kmccorkle@uniongas.com

Attachment: Newspaper Notice

c. Steve Thurtell, Stantec Consulting Ltd.

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 40 of 66



February 20, 2018 File: 160961248

Attention: Dr. Dean Jacobs SENT VIA EMAIL: Dean Jacobs@wifn.org

Dear Dr. Dean Jacobs,

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Pipeline Expansion Project: Notice of Project Commencement and Information Session

To meet the growing demand for natural gas, Union Gas is proposing to construct a new 8-inch natural gas pipeline in the Municipality of Chatham-Kent. The proposed pipeline will meet the growing agricultural, commercial, and industrial market demand for natural gas in Chatham-Kent and surrounding areas, including in the fast-growing greenhouse market.

The proposed pipeline will be approximately 13 km in length and will begin at Union Gas' existing Simpson Road Station (near the community of Tupperville) and proceed south and east within the road allowance of Base Line Rd.to an end point near the corner of Base Line Road and Kent Bridge Road east of Dresden.

A preliminary preferred route for the proposed pipeline has been determined. A route selection process is currently being conducted to evaluate alternative corridors. Attached please find a newspaper notice, which includes a map of the study area.

As an integral part of this project, Union Gas has hired Stantec Consulting Ltd. to undertake an environmental study of the construction and operation of the proposed pipeline and related facilities. The environmental study will fulfill the requirements of the Ontario Energy Boards' (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario* (2016).

The environmental study process will include consultation and engagement with landowners, municipalities, agencies, Indigenous communities, and other interested parties through notices, mailouts, meetings and an information session. The Stantec-authored Environmental Report will accompany the Union Gas application to the OEB, whose review and approval is needed before the project can proceed. If approved, construction could begin as early as Spring/Summer 2019.

The information session will be held as follows:

Tuesday March 6, 2018 5:00 pm to 8:00 pm The Old Czech Hall 116 St John Street East Dresden, ON

P.O. Box 2001, 50 Keil Drive North, Chatham, ON N7M 5M1 www.uniongas.com Union Gas Limited

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 41 of 66



February 20, 2018 Page 2 of 2

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Expansion Project: Notice of Project Commencement

Bkejwanong (Walpole Island) First Nation is invited to provide comments regarding the proposed project. Specifically, Stantec is seeking information about any adverse impacts that the project may have on constitutionally protected aboriginal or treaty rights and any measures for mitigating those adverse impacts. Stantec is also seeking background environmental and socio-economic information that may be useful in compiling an inventory.

For additional information, please visit Union Gas' website for this project: <u>www.uniongas.com/Projects</u>. If you have any questions or comments regarding the environmental study process for the proposed project please do not hesitate to contact the undersigned.

Sincerely,

Ken McCorkle

Ken McCorkle Manager, Indigenous Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1 Phone: 519-436-4600 ext. 5002243 Email: kmccorkle@uniongas.com

Attachment: Newspaper Notice

c. Steve Thurtell, Stantec Consulting Ltd.

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 42 of 66



February 20, 2018 File: 160961248

Attention: Janet Macbeth SENT VIA EMAIL: Janet Macbeth <Janet.Macbeth@wifn.org>

Dear Janet Macbeth,

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Pipeline Expansion Project: Notice of Project Commencement and Information Session

To meet the growing demand for natural gas, Union Gas is proposing to construct a new 8-inch natural gas pipeline in the Municipality of Chatham-Kent. The proposed pipeline will meet the growing agricultural, commercial, and industrial market demand for natural gas in Chatham-Kent and surrounding areas, including in the fast-growing greenhouse market.

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Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 43 of 66



February 20, 2018 Page 2 of 2

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Attachment: Newspaper Notice

c. Steve Thurtell, Stantec Consulting Ltd.

M

			1.	~
From:	Ken McCorkle	Sent:	Thu 15/03/2018 5	:09 PM
To:	Lauren Whitwham			
Cc:				
Subject:	Consultation Request for Chatham-Kent Rural Pipeline Project!			
				-
				62
	ello Lauren: fullouren dur uite en bere sell. Mandeu March 12, 2018, ta the following Nations to responde some design and in		athene Kent	

I followed up with a phone call, Monday March 12, 2018, to the following Nations to request a consultation regarding the Chatham-Kent Rural Pipeline project:

1) Aamjiwnaang First Nation (Sharilyn Johnson)

2) Kettle & Stony Point First Nation (Valerie George)

3) Walpole Island First Nation (Dr. Dean Jacobs)

4) Caldwell First Nation (Chief Duckworth)

5) Chippewa of the Thames First Nation (Emma Young)

Oneida First Nation was on the consultation list from the Ministry of Energy but I have already contacted them and conducted a consultation with Brandon Doxtator, councillor for the First Nation, on Friday March 2, 2018.

Regards, Ken

Ken McCorkle

Manager, Indigenous Affairs Union Gas Ltd. Phone: 519-436-4600 Ext.5002243 Cell; 519-365-0584 Toll Free: 877-293-6215 Fax; 519-436-5392 Email: kmccorkle@uniongas.com We can't change the past, but we can influence our future

From:	Ken McCorkle	Sent:	Sat 24	4/03/2018	8:38	PM
To:	Dean Jacobs; Janet Macbeth					
Cc:	Lauren Whitwham					
Subject:	Chatham-Kent Rural Pipeline Project					
🖂 Message	😕 Chatham-Kent Rural Project.pdf (6 MB)					
Please se	Jacobs & Janet: e the attached presentation for the Chatham-Kent Rural pipeline that I would like to meet and discuss with you a nce. Dean thank you for your call and I will follow up with you to set up some time for a consultation for this pro					
Manager Union Ga Phone: 5 Cell; 519 Toll Free Fax; 519 Email: <u>kr</u>	AcCorkle , Indigenous Affairs as Ltd. 19-436-4600 Ext.5002243 -365-0584 c: 877-293-6215 -436-5392 <u>mccorkle@uniongas.com</u> change the past, but we can influence our future					

Correspondence - Caldwell First Nation

	ied to this message on 14/02/2018 10:39 AM.		
rom:	Ken McCorkle	Sent: Wed 14/02/2018 10	0:39 AN
o:	chief.duckworth@caldwellfirstnation.ca; Allen Deleary		
c:	Shereen Smithanik (Shereen.Smithanik@ontario.ca); Lauren Whitwham		
ubject:	Chatham-Kent Rural Project!		
🖂 Message	e 🖄 Caldwell First Nation.doc (268 KB)		
			C ₃
	ief Duckworth & Allen:	1	
Please fi	nd attached a notification of the above noted project. Union will be in contact with you to follow up on the o	consultation process.	
Milaurat	-h		
Miigwet	cn,		
Ken			
az a			
	1cCorkle		
	r, Indigenous Affairs		
Union G			
	519-436-4600 Ext.5002243		
	9-365-0584 9: 877-293-6215		=
	9. 677-299-0215 9-436-5392		
	mccorkle@uniongas.com		
	t change the past, but we can influence our future		
	contango trio paot, par no our initiacito our lataro		

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 46 of 66



February 20, 2018 File: 160961248

Attention: Allen Deleary Caldwell First Nation 14 Orange Street Leamington, ON N8H1P5

Dear Allen Deleary,

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Pipeline Expansion Project: Notice of Project Commencement and Information Session

To meet the growing demand for natural gas, Union Gas is proposing to construct a new 8-inch natural gas pipeline in the Municipality of Chatham-Kent. The proposed pipeline will meet the growing agricultural, commercial, and industrial market demand for natural gas in Chatham-Kent and surrounding areas, including in the fast-growing greenhouse market.

The proposed pipeline will be approximately 13 km in length and will begin at Union Gas' existing Simpson Road Station (near the community of Tupperville) and proceed south and east within the road allowance of Base Line Rd.to an end point near the corner of Base Line Road and Kent Bridge Road east of Dresden.

A preliminary preferred route for the proposed pipeline has been determined. A route selection process is currently being conducted to evaluate alternative corridors. Attached please find a newspaper notice, which includes a map of the study area.

As an integral part of this project, Union Gas has hired Stantec Consulting Ltd. to undertake an environmental study of the construction and operation of the proposed pipeline and related facilities. The environmental study will fulfill the requirements of the Ontario Energy Boards' (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario* (2016).

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The information session will be held as follows:

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P.O. Box 2001, 50 Keil Drive North, Chatham, ON N7M 5M1 www.uniongas.com Union Gas Limited

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 47 of 66



February 20, 2018 Page 2 of 2

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Expansion Project: Notice of Project Commencement

Caldwell First Nation is invited to provide comments regarding the proposed project. Specifically, Stantec is seeking information about any adverse impacts that the project may have on constitutionally protected aboriginal or treaty rights and any measures for mitigating those adverse impacts. Stantec is also seeking background environmental and socio-economic information that may be useful in compiling an inventory.

For additional information, please visit Union Gas' website for this project: <u>www.uniongas.com/Projects</u>. If you have any questions or comments regarding the environmental study process for the proposed project please do not hesitate to contact the undersigned.

Sincerely,

Ken McCorkle

Ken McCorkle Manager, Indigenous Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1 Phone: 519-436-4600 ext. 5002243 Email: kmccorkle@uniongas.com

Attachment: Newspaper Notice

		0	
Sent:	Thu	15/03/2018 5:09 PM	

From: Ken McCorkle Lauren Whitwham To: Cc: Consultation Request for Chatham-Kent Rural Pipeline Project! Subject: _____ Hello Lauren: I followed up with a phone call, Monday March 12, 2018, to the following Nations to request a consultation regarding the Chatham-Kent

Rural Pipeline project:

1) Aamjiwnaang First Nation (Sharilyn Johnson)

2) Kettle & Stony Point First Nation (Valerie George)

3) Walpole Island First Nation (Dr. Dean Jacobs)

4) Caldwell First Nation (Chief Duckworth)

5) Chippewa of the Thames First Nation (Emma Young)

Oneida First Nation was on the consultation list from the Ministry of Energy but I have already contacted them and conducted a consultation with Brandon Doxtator, councillor for the First Nation, on Friday March 2, 2018.

Regards, Ken

Ken McCorkle

Manager, Indigenous Affairs Union Gas Ltd. Phone: 519-436-4600 Ext.5002243 Cell: 519-365-0584 Toll Free: 877-293-6215 Fax; 519-436-5392 Email: kmccorkle@uniongas.com We can't change the past, but we can influence our future

Ken McCorkle Sent: Sat 24/03/2018 8:52 PM From: chief.duckworth@caldwellfirstnation.ca To: Lauren Whitwham Cc: Chatham-Kent Rural Natural Gas pipeline project Subject: 🖂 Message 😕 Chatham-Kent Rural Project.pdf (6 MB) 8 Hello Chief Duckworth: Please see the attached presentation for the Chatham-Kent Rural pipeline that I called about on March 12, 2018. Could you please contact me regarding a time to set up a consultation for this project? Looking forward to meeting you. I will await your call, Miigwetch, Ken Ken McCorkle Manager, Indigenous Affairs Union Gas Ltd. Phone: 519-436-4600 Ext.5002243 Cell; 519-365-0584 Toll Free: 877-293-6215 Fax; 519-436-5392 Email: kmccorkle@uniongas.com We can't change the past, but we can influence our future

To: reorpanipuscalawallifismanouca Cc: Lauren Whitwhen Subject: Chatham-Kent Rural Project (Union Gas) Message ** Chatham-Kent Rural Project (Union Gas) Message ** Chatham-Kent Rural Project (Union Gas) Hello Darryl: It was a pleasure to speak with you today regarding the Chatham-Kent Rural Project for Union Gas. I am following up as I have not received a copy of the consultation protocol from Chief Ducky as of today. I very much appreciate your sincerity and fully understand a busy schedule. As per our discussion I have enclosed a copy of Union's presentation for your information and to arrange meeting for consultation. I look forward to meeting with you and your counterparts to discuss this project at your convenience. I will await your response! Could you confirm receipt of this email? Migwetch, Ken <i>Ken McCorkle</i> Managor, Indigenous Affairs	OL4 PM
Subject: Chatham-Kent Rural Project (Union Gas) Thessage Chatham-Kent Rural Project (Union Gas) Hello Darryl: It was a pleasure to speak with you today regarding the Chatham-Kent Rural Project for Union Gas. I am following up as I have not received a copy of the consultation protocol from Chief Ducky as of today. I very much appreciate your sincerity and fully understand a busy schedule. As per our discussion I have enclosed a copy of Union's presentation for your information and to arrange meeting for consultation. I look forward to meeting with you and your counterparts to discuss this project at your convenience. I will await your response! Could you confirm receipt of this email? Mligwetch, Ken <i>Ken McCorfife</i>	
Hessage ** Chalham-Kent Rural Projectpdl (6 MB) Hello Darryl: It was a pleasure to speak with you today regarding the Chatham-Kent Rural Project for Union Gas. I am following up as I have not received a copy of the consultation protocol from Chief Duckw as of today. I very much appreciate your sincerity and fully understand a busy schedule. As per our discussion I have enclosed a copy of Union's presentation for your information and to arrange meeting for consultation. I look forward to meeting with you and your counterparts to discuss this project at your convenience. I will await your response! Could you confirm receipt of this email? Milgwetch, Ken Ken Ken Ken	
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Ken McCorkle	th 🚔
Ken McCorkse	
Manager, Indigenous Affairs	
Union Gas Ltd Phone: 519-436-4600 Ext.5002243	
rnone, 519-436-600 EX.5002243 Coll: 519-356-584	
Toll Free 877-293-6215	
Fax; 519 436-5392	
Email: kmccorkle@uniongas.com	
We can't change the past, but we can influence our future	

From:	Ken McCorkle	Sent: Fri 25/05/2018 1:2	29 PM
o:	Lauren Whitwham		
c:			
ubject:	Chatham-Kent Rural Project		
			2
Hello La		and the second states have d	
	peaking with Chief Duckworth and still waiting for a consultation protocol, I the	en spoke with Darryi at the band	
office			
	ated he would arrange a council meeting and have not heard back yet? I have n		
directe	d to and have left a voice message. Waiting for her to response to set somethir	ng up for the Chatham-Kent Rural	
project	if they want. They have been notified regarding a request for monitors.		
Thanks	,		
Ken			
Ken 2	McCorkle		
-	er, Indigenous Affairs		
	Gas Ltd.		=
Phone:	519-436-4600 Ext.5002243		
Cell; 51	19-365-0584		
	ee: 877-293-6215		
	19-436-5392		
	kmccorkle@uniongas.com		
We car	n't change the past, but we can influence our future		

Correspondence - Chippewas of the Thames First Nation

rom:	Ken McCorkle	Sent: Wed 14/02/2018 11:51 #
o:	myeengun@cottfn.com; Kelly Riley	
c:	Shereen Smithanik (Shereen.Smithanik@ontario.ca); Lauren Whitwham	
ubject:	Chatham-Kent Rural Project!	
🛛 Message	😤 Chippewas of the Thames First Nation.pdf 🗮 MOE Summary Map.pdf	
	f Henry & Kelly:	
'lease fin	d attached a notification of the above noted project. Union will be in contact with you to follow u	p on the consultation process.
Miigwetcl	٦,	
Ken		
Ken M	cCorkle	
Manager,	Indigenous Affairs	
Union Ga		
	19-436-4600 Ext.5002243	
	365-0584	
	877-293-6215	
	436-5392	
	<u>iccorkle@uniongas.com</u> change the past, but we can influence our future	
vve cartt	change the past, but we can initiative our future	

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 51 of 66



February 20, 2018 File: 160961248

Attention: Chief Myeengun Henry Chippewas of the Thames First Nation 320 Chippewa Road, RR#1 Muncey, ON N0L1Y0

Dear Chief Myeengun Henry,

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Pipeline Expansion Project: Notice of Project Commencement and Information Session

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Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 52 of 66



February 20, 2018 Page 2 of 2

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Sincerely,

Ken McCorkle

Ken McCorkle Manager, Indigenous Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1 Phone: 519-436-4600 ext. 5002243 Email: kmccorkle@uniongas.com

Attachment: Newspaper Notice

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 53 of 66



February 20, 2018 File: 160961248

Attention: Kelly Riley SENT VIA EMAIL: kriley@cottfn.com

Dear Kelly Riley,

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Pipeline Expansion Project: Notice of Project Commencement and Information Session

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Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 54 of 66



February 20, 2018 Page 2 of 2

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Ken McCorkle

Ken McCorkle Manager, Indigenous Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1 Phone: 519-436-4600 ext. 5002243 Email: kmccorkle@uniongas.com

Attachment: Newspaper Notice

From:	Ken McCorkle	Sont	Thu 15/03/2018 5:09 PM
		Sent.	THU 13/03/2018 3.09 PK
To:	Lauren Whitwham		
Cc:			
Subject:	Consultation Request for Chatham-Kent Rural Pipeline Project!		
Hello La	auren:		

I followed up with a phone call, Monday March 12, 2018, to the following Nations to request a consultation regarding the Chatham-Kent Rural Pipeline project:

1) Aamjiwnaang First Nation (Sharilyn Johnson)

2) Kettle & Stony Point First Nation (Valerie George)

3) Walpole Island First Nation (Dr. Dean Jacobs)

4) Caldwell First Nation (Chief Duckworth)

5) Chippewa of the Thames First Nation (Emma Young)

Oneida First Nation was on the consultation list from the Ministry of Energy but I have already contacted them and conducted a consultation with Brandon Doxtator, councillor for the First Nation, on Friday March 2, 2018.

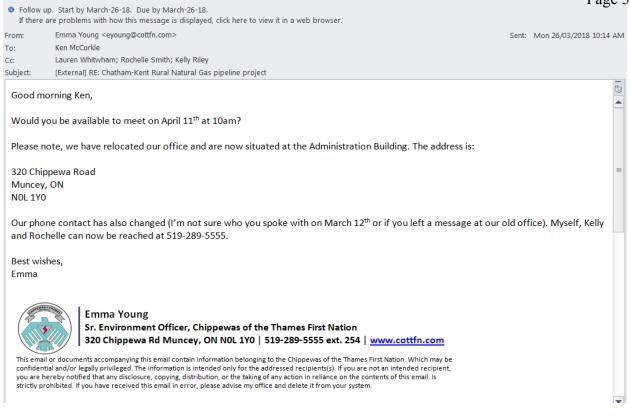
Regards, Ken

Ken McCorkle

Manager, Indigenous Affairs Union Gas Ltd. Phone: 519-436-4600 Ext.5002243 Cell: 519-365-0584 Toll Free: 877-293-6215 Fax; 519-436-5392 Email: kmccorkle@uniongas.com We can't change the past, but we can influence our future

From: Ken McCorkle Sent: Sat 24/03/2018 8:50 PM Kelly Riley; eyoung@cottfn.com To: Lauren Whitwham Cc: Subject: Chatham-Kent Rural Natural Gas pipeline project 🖾 Message ${}^{t\!\!\!2}$ Chatham-Kent Rural Project.pdf (6 MB) 2 Hello Kelly & Emma: Please see the attached presentation for the Chatham-Kent Rural pipeline that I called about on March 12, 2018. Could you please contact me regarding a time to set up a consultation for this project? Looking forward to meeting you again. I will await your call, Miigwetch, Ken Ken McCorkle Manager, Indigenous Affairs Union Gas Ltd. Phone: 519-436-4600 Ext.5002243 Cell: 519-365-0584 Toll Free: 877-293-6215 Fax; 519-436-5392 Email: kmccorkle@uniongas.com We can't change the past, but we can influence our future

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 56 of 66

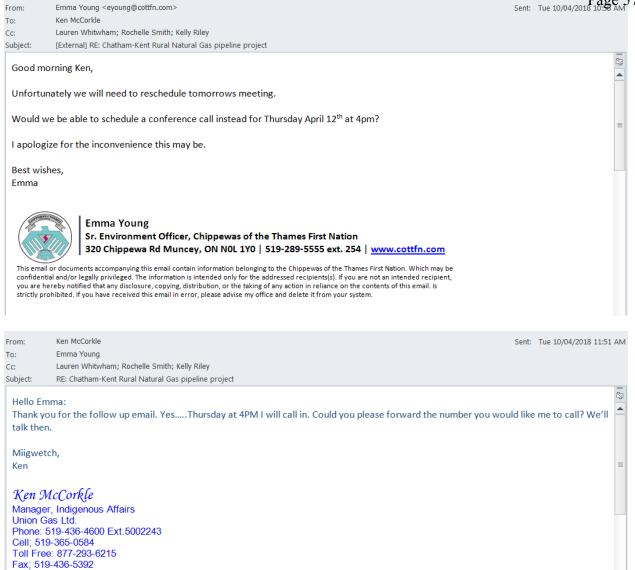


• This message is part of a tracked conversation. Click here to find all related messages or to open the original flagged message. Ken McCorkle From: Sent: Mon 26/03/2018 12:16 PM To: Emma Young Lauren Whitwham: Rochelle Smith: Kelly Riley Cc: RE: Chatham-Kent Rural Natural Gas pipeline project Subject: Ē. Hello Emma: Thank you for your response. The April 11th at 10:00 AM will work for me. I will see you then at your new location. Miigwetch, Ken Ken McCorkle Manager, Indigenous Affairs Union Gas Ltd. Phone: 519-436-4600 Ext.5002243 Cell; 519-365-0584 Toll Free: 877-293-6215

Fax; 519-436-5392 Email: kmccorkle@uniongas.com

We can't change the past, but we can influence our future

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 57 of 66



Email: kmccorkle@uniongas.com

We can't change the past, but we can influence our future

Correspondence - Chippewas of Kettle and Stony Point

rom:	Ken McCorkle	Sent: Wed 14/02/2018 11	:32 A
o:	Thomas Bressette; Valerie George		
ic:	Shereen Smithanik (Shereen.Smithanik@ontario.ca); Lauren Whitwham		
ubject:	Chatham-Kent Rural Project!		
🖂 Messag	e 🧏 Kettle & Stony Point First Nation.pdf (330 KB)		
	uef Bressette & Valerie:		Ì
Please f	ind attached a notification of the above noted project. Union will be in contact with you to follow up on th	e consultation process.	
Miigwet	cn,		
Ken			
Ken I	1cCork[e		
	r, Indigenous Affairs		
Union G			
Phone:	519-436-4600 Ext.5002243		
Cell: 51	9-365-0584		
	e: 877-293-6215		
Toll Fre Fax; 51	9-436-5392		
Toll Fre Fax; 51 Email: <u>I</u>			

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 59 of 66



February 20, 2018 File: 160961248

Attention: Chief Thomas Bressette Chippewas of Kettle and Stoney Point 6247 Indian Lane Kettle and Stoney Point First Nation, ON N0N2G0

Dear Chief Thomas Bressette,

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Pipeline Expansion Project: Notice of Project Commencement and Information Session

To meet the growing demand for natural gas, Union Gas is proposing to construct a new 8-inch natural gas pipeline in the Municipality of Chatham-Kent. The proposed pipeline will meet the growing agricultural, commercial, and industrial market demand for natural gas in Chatham-Kent and surrounding areas, including in the fast-growing greenhouse market.

The proposed pipeline will be approximately 13 km in length and will begin at Union Gas' existing Simpson Road Station (near the community of Tupperville) and proceed south and east within the road allowance of Base Line Rd.to an end point near the corner of Base Line Road and Kent Bridge Road east of Dresden.

A preliminary preferred route for the proposed pipeline has been determined. A route selection process is currently being conducted to evaluate alternative corridors. Attached please find a newspaper notice, which includes a map of the study area.

As an integral part of this project, Union Gas has hired Stantec Consulting Ltd. to undertake an environmental study of the construction and operation of the proposed pipeline and related facilities. The environmental study will fulfill the requirements of the Ontario Energy Boards' (OEB) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario* (2016).

The environmental study process will include consultation and engagement with landowners, municipalities, agencies, Indigenous communities, and other interested parties through notices, mailouts, meetings and an information session. The Stantec-authored Environmental Report will accompany the Union Gas application to the OEB, whose review and approval is needed before the project can proceed. If approved, construction could begin as early as Spring/Summer 2019.

The information session will be held as follows:

Tuesday March 6, 2018 5:00 pm to 8:00 pm The Old Czech Hall 116 St John Street East Dresden, ON

P.O. Box 2001, 50 Keil Drive North, Chatham, ON N7M 5M1 www.uniongas.com Union Gas Limited

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 60 of 66



February 20, 2018 Page 2 of 2

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Expansion Project: Notice of Project Commencement

Chippewas of Kettle and Stoney Point is invited to provide comments regarding the proposed project. Specifically, Stantec is seeking information about any adverse impacts that the project may have on constitutionally protected aboriginal or treaty rights and any measures for mitigating those adverse impacts. Stantec is also seeking background environmental and socio-economic information that may be useful in compiling an inventory.

For additional information, please visit Union Gas' website for this project: <u>www.uniongas.com/Projects</u>. If you have any questions or comments regarding the environmental study process for the proposed project please do not hesitate to contact the undersigned.

Sincerely,

Ken McCorkle

Ken McCorkle Manager, Indigenous Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1 Phone: 519-436-4600 ext. 5002243 Email: kmccorkle@uniongas.com

Attachment: Newspaper Notice

c. Steve Thurtell, Stantec Consulting Ltd.

P.O. Box 2001. 50 Keil Drive North, Chatham, ON N7M 5M1 www.uniongas.com Union Gas Limited

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 61 of 66



February 20, 2018 File: 160961248

Attention: Valerie George SENT VIA EMAIL: Valerie.George@kettlepoint.org

Dear Valerie George,

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Pipeline Expansion Project: Notice of Project Commencement and Information Session

To meet the growing demand for natural gas, Union Gas is proposing to construct a new 8-inch natural gas pipeline in the Municipality of Chatham-Kent. The proposed pipeline will meet the growing agricultural, commercial, and industrial market demand for natural gas in Chatham-Kent and surrounding areas, including in the fast-growing greenhouse market.

The proposed pipeline will be approximately 13 km in length and will begin at Union Gas' existing Simpson Road Station (near the community of Tupperville) and proceed south and east within the road allowance of Base Line Rd.to an end point near the corner of Base Line Road and Kent Bridge Road east of Dresden.

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Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 62 of 66



February 20, 2018 Page 2 of 2

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Expansion Project: Notice of Project Commencement

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For additional information, please visit Union Gas' website for this project: <u>www.uniongas.com/Projects</u>. If you have any questions or comments regarding the environmental study process for the proposed project please do not hesitate to contact the undersigned.

Sincerely,

Ken McCorkle

Ken McCorkle Manager, Indigenous Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1 Phone: 519-436-4600 ext. 5002243 Email: kmccorkle@uniongas.com

Attachment: Newspaper Notice

From:	Ken McCorkle	Sent:	Wed 21/	/03/2018 4	:54 P	М
To:	Lauren Whitwham					
Cc:						
Subject:	Chatham-Kent Rural Pipeline Project					
	uren: vith Valerie George at the career fair today and she is going to forward me a couple of meeting dates to start tl ham-Kent rural project!	ne co	onsultat	ion for		- 33 -
Thanks, Ken						
Manager Union Ga Phone: 5 Cell; 519 Toll Free Fax; 519 Email: ki	1cCorkle r, Indigenous Affairs as Ltd. 519-436-4600 Ext.5002243 3-365-0584 e: 877-293-6215 3-436-5392 mccorkle@uniongas.com t change the past, but we can influence our future					

From:	Ken McCorkle	Sent:	Thu 15/03/2018 5:09 P
To:	Lauren Whitwham		
Cc:			
Subject:	Consultation Request for Chatham-Kent Rural Pipeline Project!		
Hello Lau	ren.		P
	l up with a phone call, Monday March 12, 2018, to the following Nations to request a consultation regarding t	he Ch	atham–Kent

Rural Pipeline project:

1) Aamjiwnaang First Nation (Sharilyn Johnson)

2) Kettle & Stony Point First Nation (Valerie George)

3) Walpole Island First Nation (Dr. Dean Jacobs)

4) Caldwell First Nation (Chief Duckworth)

5) Chippewa of the Thames First Nation (Emma Young)

Oneida First Nation was on the consultation list from the Ministry of Energy but I have already contacted them and conducted a consultation with Brandon Doxtator, councillor for the First Nation, on Friday March 2, 2018.

Regards, Ken

Ken McCorkle Manager, Indigenous Affairs Union Gas Ltd. Phone: 519-436-4600 Ext.5002243 Cell; 519-365-0584 Toll Free: 877-293-6215 Fax; 519-436-5392 Email: <u>kmccorkle@uniongas.com</u> We can't change the past, but we can influence our future

From:	Ken McCorkle Sent: Sat 24/03/2018 9	:01 PM
Го:	Valerie George	
Cc:	Lauren Whitwham	
Subject:	Chatham-Kent Rural Natural Gas pipeline project	
🖂 Message	😤 Chatham-Kent Rural Project.pdf (6 MB)	
me regard	erie: e the attached presentation for the Chatham-Kent Rural pipeline that I called about on March 12, 2018. Could you please contact ding a time to set up a consultation for this project? It was great to speak with you at the Career fair this past Thursdaylooking to meeting you again. I will await your call,	
Miigwetc Ken	h,	
Manager, Union Ga Phone: 5' Cell; 519- Toll Free: Fax; 519- Email: kn	<i>COrkle</i> , Indigenous Affairs is Ltd. 19-436-4600 Ext.5002243 -365-0584 : 877-293-6215 -436-5392 <u>necorkle@uniongas.com</u> change the past, but we can influence our future	Ш

Correspondence - Oneida Nation of the Thames

From:	Ken McCorkle Sent: Wed 14/02/	2018 8:58 AM
To:	Chief Randall Phillips (randall.phillips@oneida.on.ca)	
Cc:	Shereen Smithanik (Shereen.Smithanik@ontario.ca); Lauren Whitwham	
Subject:	Chatham-Kent Rural Project!	
🖂 Message	🔁 Oneida Nation of the Thames.pdf (323 KB)	
Please fir Miigweto	ef Phillips: nd attached a notification of the above noted project. Union will be in contact with you to follow up on the consultation proce nh,	ess.
Manager Union Ga Phone: 5 Cell; 519 Toll Free Fax; 519 Email: <u>kr</u>	LcCorkle ; Indigenous Affairs as Ltd. 19-436-4600 Ext.5002243 +365-0584 e: 877-293-6215 -436-5392 mccorkle@uniongas.com . change the past, but we can influence our future	

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 65 of 66



February 20, 2018 File: 160961248

Attention: Chief Randall Phillips Oneida Nation of the Thames RR2 Southwold, ON N0L2G0 SENT VIA EMAIL: randall.phillips@oneida.on.ca

Dear Chief Randall Phillips,

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Pipeline Expansion Project: Notice of Project Commencement and Information Session

To meet the growing demand for natural gas, Union Gas is proposing to construct a new 8-inch natural gas pipeline in the Municipality of Chatham-Kent. The proposed pipeline will meet the growing agricultural, commercial, and industrial market demand for natural gas in Chatham-Kent and surrounding areas, including in the fast-growing greenhouse market.

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P.O. Box 2001, 50 Keil Drive North, Chatham, ON N7M 5M1 www.uniongas.com Union Gas Limited.

Filed: 2018-06-05 EB-2018-0188 Schedule 23 Page 66 of 66



February 20, 2018 Page 2 of 2

Reference: Union Gas Limited Pipeline Project – Chatham-Kent Rural Expansion Project: Notice of Project Commencement

Oneida Nation of the Thames is invited to provide comments regarding the proposed project. Specifically, Stantec is seeking information about any adverse impacts that the project may have on constitutionally protected aboriginal or treaty rights and any measures for mitigating those adverse impacts. Stantec is also seeking background environmental and socio-economic information that may be useful in compiling an inventory.

For additional information, please visit Union Gas' website for this project: <u>www.uniongas.com/Projects</u>. If you have any questions or comments regarding the environmental study process for the proposed project please do not hesitate to contact the undersigned.

Sincerely,

Ken McCorkle

Ken McCorkle Manager, Indigenous Affairs Union Gas Limited 50 Keil Drive North Chatham, ON N7M 5M1 Phone: 519-436-4600 ext. 5002243 Email: kmccorkle@uniongas.com

Attachment: Newspaper Notice

From:	Ken McCorkle	Sent: Thu 22/03/2018 9:30 AM
ſo:	brandon.doxtator@oneida.on.ca	
Cc:	Lauren Whitwham	
Subject:	Electronic Copy of the Chatham-Kent Rural Natural Gas Pipeline project for Oneida First Nation	
🖂 Messa	ge 🧏 Chatham-Kent Rural Project.pdf (6 MB)	
Hello B	randon:	 ©
l trust t	this email finds you well my Friend!	
	see the attached presentation that you requested from our meeting on March 2, 2018 at yo	our office. This is the electronic copy of the
	ppy I left with you regarding Union's Chatham-Kent Rural Natural Gas Pipeline project. If you	
please	do not hesitate to contact me!	
Miigwe	etch,	
Ken		
Ken 2	McCorkle	
-	er, Indigenous Affairs	
	Gas Ltd.	
	519-436-4600 Ext.5002243	
	19-365-0584	
	ee: 877-293-6215	
	19-436-5392	
	<u>kmccorkle@uniongas.com</u> n't change the past, but we can influence our future	
we car	in change the past, but we can innuence our future	

Updated: 2019-03-14 Filed: 2018-06-05 EB-2018-0188 Schedule 24

POntario

Ministry of Energy, Northern Development and Mines

77 Grenville Street 6th Floor Toronto ON M7A 2C1

Tel: (416) 325-6544

77, rue Grenville 6º étage Toronto ON M7A 2C1 Tél: (416) 325-6544

Mines

Ministère de l'Énergie, du

Développement du Nord et des

Indigenous Energy Policy

March 4, 2019

VIA EMAIL

Ken McCorkle Senior Advisor, Indigenous Affairs Enbridge Gas Inc. 500 Consumers Road North York, ON M2J 1P8

Re: Chatham-Kent Pipeline Project – Consultation Sufficiency Opinion

Dear Mr. McCorkle,

The Ontario Ministry of the Energy, Northern Development and Mines has completed its review of Enbridge Gas Inc.'s Indigenous consultation report for the Chatham-Kent Pipeline Project. This letter is to notify you that based on the information provided and through contacting the communities directly, the Ministry is of the opinion that the procedural aspects of consultation undertaken by Enbridge Gas Inc. to date for the purposes of the Ontario Energy Board's Leave to Construct for the Chatham-Kent Pipeline Project is satisfactory.

It is expected that Enbridge Gas Inc. will continue its consultation activities with the communities throughout the life of the project, and that Enbridge Gas Inc. will notify the Ministry should any additional rights-based concerns/issues arise.

If you have any questions about this letter or require any additional information, please contact Chloë Lazakis at 416-327-2116 or <u>chloe.lazakis@ontario.ca</u>.

Sincerely

Shannon McCabe A/Manager Indigenous Energy Policy

c: Ontario Energy Board Ontario Pipeline Coordinating Committee Sonia Fazari, Enbridge

Appendix A

Temporary Land Use Agreement



TEMPORARY LAND USE AGREEMENT

(Hereinafter called the "Agreement")

Between

(hereinafter called the "Owner")

and

UNION GAS LIMITED

(hereinafter called the "Company")

In consideration of the sum of _____XX/100 Dollars (\$____), payable by the Company to the Owner within thirty (30) days of signing of this Agreement in accordance with the compensation labelled as Appendix "A" hereto.

the Owner of **PIN**:

Legal Description: labelled as Appendix "B" hereto.hereby grants to Company, its servants, agents, employees, contractors and sub-contractors and those engaged in its and their business, the right on foot and/or with vehicles, supplies, machinery and equipment at any time and from time to time during the term of this Agreement to enter upon, use and occupy a parcel of land (hereinafter called the "Lands") more particularly described on the Sketch attached hereto labelled as **Appendix "C"** and forming part of this Agreement, the Lands being immediately adjacent to and abutting the Choose an item. for any purpose incidental to, or that the Company may require in conjunction with, the construction by or on behalf of the Company of a proposed Choose an item. and appurtenances on the Lands including, without limiting the generality of the foregoing, the right to make temporary openings in any fence (if applicable) along or across the Lands and to remove any other object therein or thereon interfering with the free and full enjoyment of the right hereby granted and further including the right of surveying and placing, storing, levelling and removing earth, dirt, fill, stone, debris of all kinds, pipe, supplies, equipment, vehicles and machinery and of movement of vehicles, machinery and equipment of all kinds.

- 1. This Agreement is granted upon the following understandings:
 - a) The rights hereby granted terminate on the _____ day of _____ 20__.
 - b) The Company shall make to the person entitled thereto due compensation for any damages resulting from the exercise of the right hereby granted and if the compensation is not agreed upon it shall be determined in the manner prescribed by Section 100 of The Ontario Energy Board Act, R.S.O. 1998 S.O. 1998, c.15 Schedule B, as amended or any Act passed in amendment thereof or substitution there for;
 - c) As soon as reasonably possible after the construction, the Company at its own expense will level the Lands, remove all debris therefrom and in all respects, restore the Lands to their former state so far as is reasonably possible, save and except for items in respect of which compensation is due under paragraph (b) and the Company will also restore any gates and fences interfered with around, (*if applicable*) the Lands as closely and as reasonably possible to the condition in which they existed immediately prior to such interference by the Company.
 - d) It is further agreed that the Company shall assume all liability and obligations for any and all loss, damage or injury, (including death) to persons or property that would not have happened but for this Agreement or anything done or maintained by the Company hereunder or intended so to be and the Company shall at all times indemnify and save harmless the Owner from and against all such loss, damage or injury and all actions, suits, proceedings, costs, charges, damages, expenses, claims or demands arising therefrom or connected therewith provided that the Company shall not be liable under the Clause to the extent to which such loss, damage or injury is caused or contributed to by the gross negligence or wilful misconduct of the Owner.

The Company and the Owner agree to perform the covenants on its part herein contained.

Dated this _____ day of ______ 20__.

[Insert name of individual or corporation]

Signature (Owner)

Print Name(s) (and position held if applicable)

Address (Owner)

Signature (Owner)

Print Name(s) (and position held if applicable)

Address (Owner)

UNION GAS LIMITED

Signature (Company)

[Insert name of signing authority], Choose an item. Name & Title (Union Gas Limited)

I have authority to bind the Corporation.

519-436-4673 Telephone Number (Union Gas Limited)

Additional Information: (if applicable):

Property Address:

HST Registration Number: