



WELCOME

**LAKEHEAD
TRANSFORMER
STATION TO
ALEXANDER
GENERATION
STATION
TRANSMISSION LINE
REFURBISHMENT**

NOVEMBER 27, 2019



COMMUNITY INFORMATION CENTRE OVERVIEW

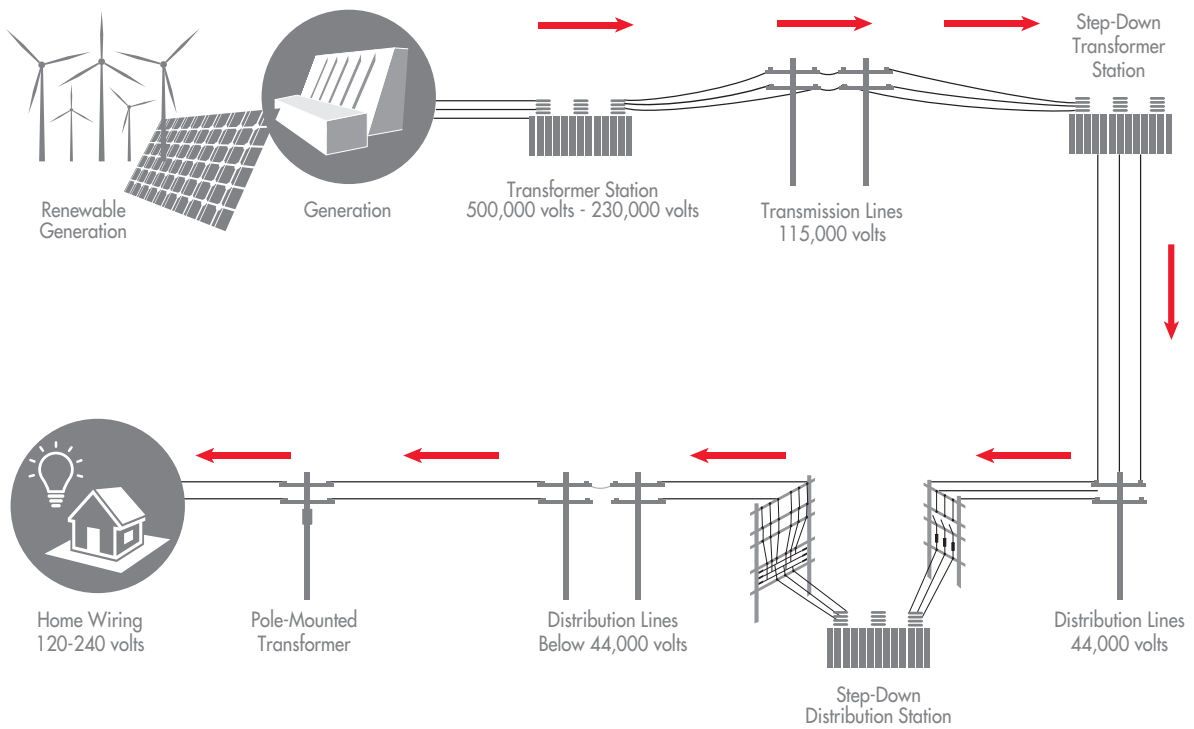
Meet our project team and learn more about:

- Background and introduction to the electrical transmission system
- Project update & description
- Description of the class environmental assessment process
- Project maps
- Next steps & anticipated project schedule

We're here to share information, listen to your comments or concerns, obtain your feedback and answer questions.

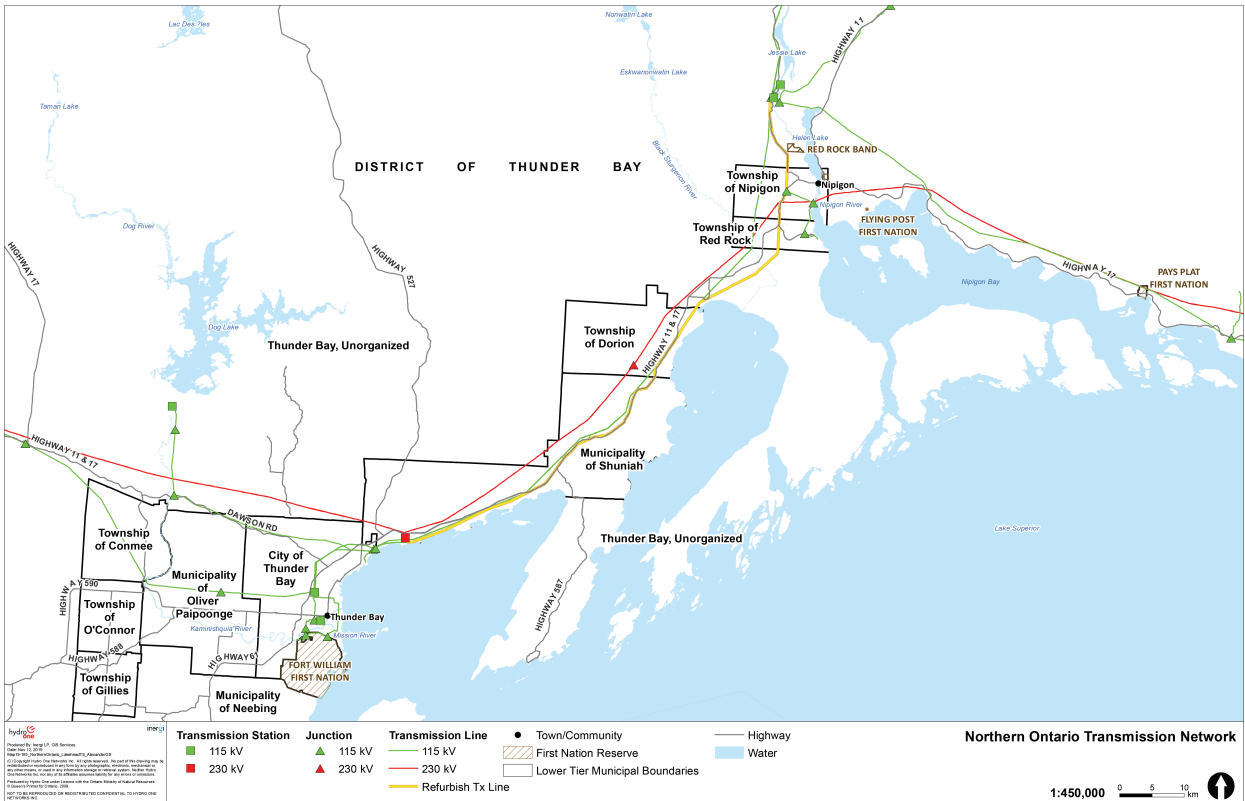


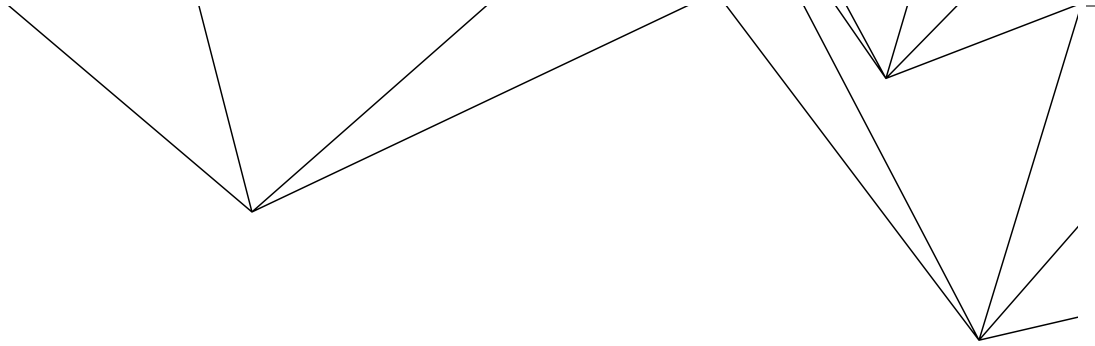
OUR ROLE IN DELIVERING POWER TO YOU





TRANSMISSION NETWORK NORTHWESTERN ONTARIO



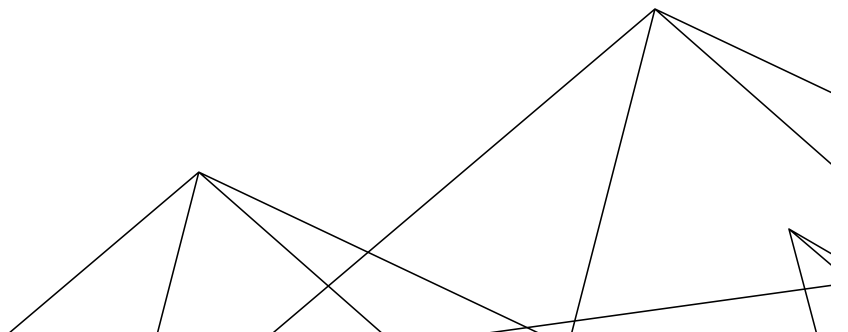


PROJECT OVERVIEW AND COMMUNITY BENEFITS

Powering northern Ontario is an important part of Hydro One's past and future.

To ensure continued supply of reliable power to the region, Hydro One is undertaking a Class Environmental Assessment (EA) to refurbish our existing 115 kilovolt (kV) transmission line on circuits A7L, R1LB and A6P.

This project runs between Hydro One's Lakehead Transformer Station (TS) located in the Municipality of Shuniah and Alexander Generating Station (GS) located in the District of Thunder Bay (Unorganized).

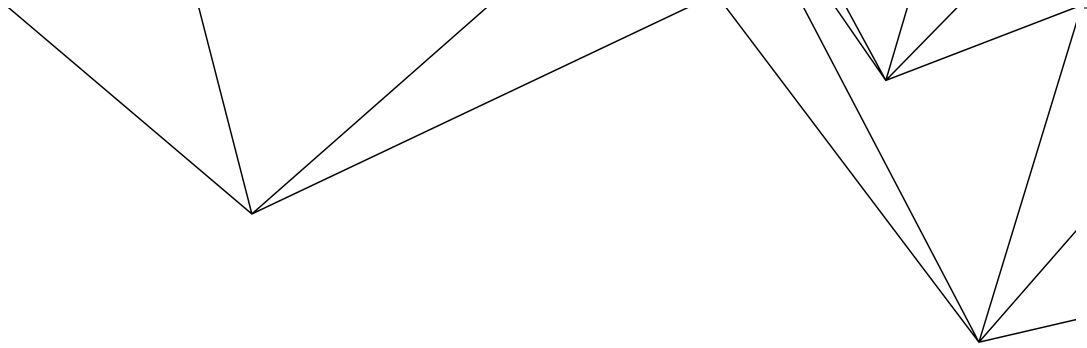




MAP OF PROJECT AREA

Lakehead Transformer Station to Alexander Generating Station





PROJECT SCOPE

Circuits A7L/R1LB

Approximately 104km double-circuit 115kV transmission line will be refurbished with the following work:

- All 440 existing steel structures will be assessed and repaired as needed
- Seven existing wood poles structures will be replaced with steel structures
- All electrical equipment such as conductors, insulators, steel parts will be replaced
- Upgrade segments of the existing shieldwire which protects the electrical equipment from lightning

Circuit A6P

Approximately 15km of the single-circuit 115kV transmission line will be refurbished with the following work:

- Almost all 152 aging wood pole structures will be replaced with new ones; the footprint will remain the same
- Some of the new wood poles will be approximately 5' to 10' taller to meet current standards
- All electrical hardware such as conductors, insulators, steel parts will be replaced
- Upgrade all the shieldwire throughout the transmission line to protect the equipment from lightning



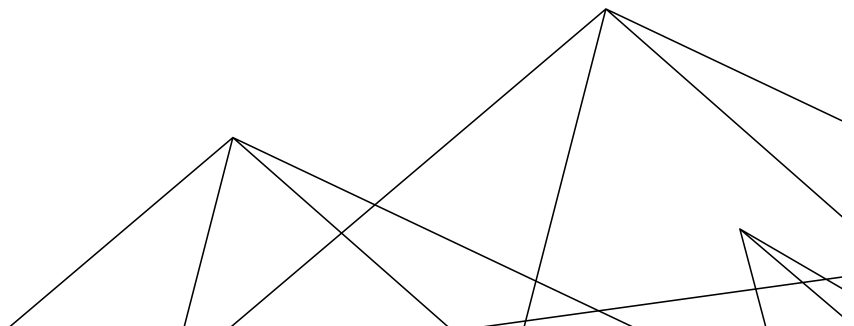
PROJECT INFRASTRUCTURE



115 kV Wood Pole Structure
(A6P Transmission Line)



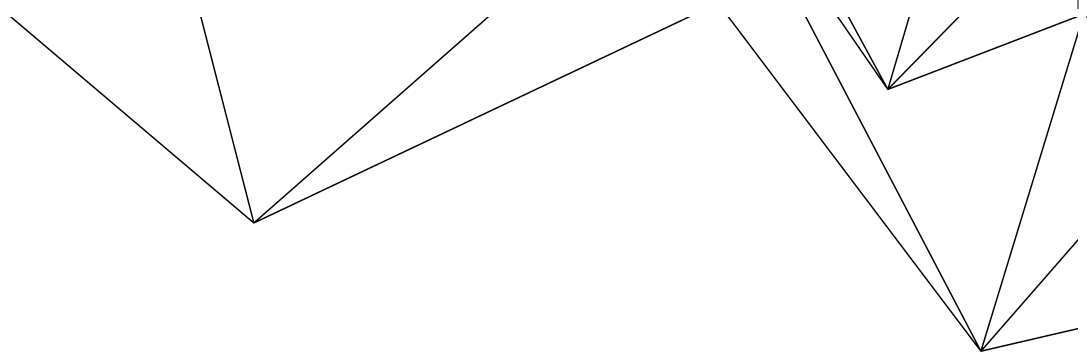
115 kV Steel Structure
(A7L/R1LB Transmission Line)





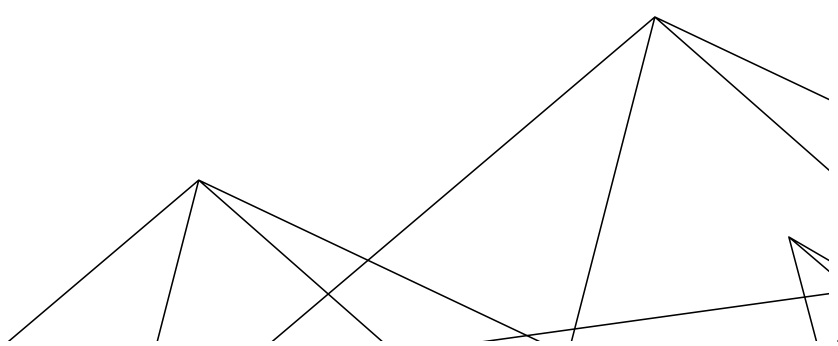
CLASS ENVIRONMENTAL ASSESSMENT

- The project is subject to the Class Environmental Assessment for Minor Transmission Facilities (Hydro One, 2016) process, in accordance with the Ontario Environmental Assessment Act.
- This project is being assessed through a Class EA Screening Process.
- This process ensures that transmission projects that have a predictable range of effects are planned and carried out in an environmentally acceptable manner.
- The Class EA Screening process includes:
 - Consultation with Indigenous communities, government officials and agencies, and interested persons and organizations
 - Identification of potential environmental effects of the project and mitigation measures



CONSULTATION WITH INDIGENOUS COMMUNITIES

- Hydro One is committed to ongoing consultation with Indigenous communities throughout the project.
- Hydro One's Indigenous engagement process is designed to provide relevant project information to Indigenous communities proximate to the project in a timely manner.
- Input and participation from Indigenous communities includes:
 - Community meetings/calls
 - Participation in archaeological assessments
- Hydro One has engaged with Indigenous communities and will continue to work closely throughout the planning and execution of the project.





MINIMIZING CONSTRUCTION AND PROJECT EFFECTS

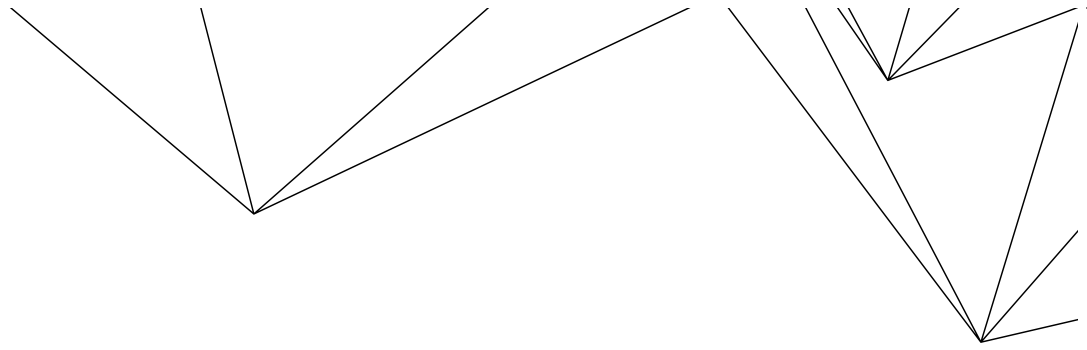
The following mitigation measures will be implemented to minimize potential construction and project effects:

- Archaeological assessments were completed to mitigate any effects to cultural heritage resources
- Hydro One and its contractors will work with Indigenous communities, conservation authorities, and the local community to minimize disruption due to construction activities (noise, dust, soil compaction, traffic restrictions, etc.)
- Construction will be intermittent and most work will be carried out within the existing right-of-way
- Appropriate signage and flagging will be used to ensure public safety
- We do not anticipate a power interruption as a result of this project
- All necessary permits will be obtained as required



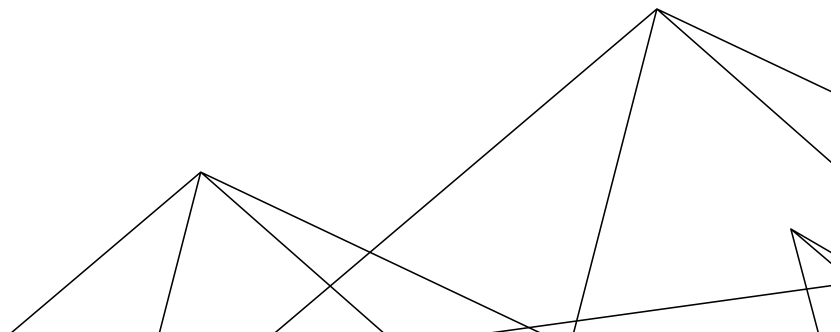
ANTICIPATED PROJECT SCHEDULE

ACTIVITY	TIMELINE
Notice of Commencement of the Class Environmental Assessment	February 2019
Project Consultation and Environmental Evaluation	Ongoing
Community Information Centre	November 27, 2019
Notice of Completion of the Class Environmental Assessment	Winter 2019
Obtain Permitting	Early 2020
Proposed Construction Start	Early 2020
Proposed Construction Completion	Fall 2022



NEXT STEPS

- Hydro One will continue to consult Indigenous communities, government agencies, municipal staff, elected officials, interest groups and the public to obtain feedback and answer questions about the proposed project.
- Once all questions have been addressed and/or mitigated, Hydro One will file the Notice of Completion of the Class EA Screening Process with the Ministry of the Environment, Conservation and Parks, concluding the Class EA.





THANK YOU FOR ATTENDING!

If you have any questions please contact Hydro One Community Relations:

Toll-free: 1.877.345.6799

Email: Community.Relations@HydroOne.com

**For additional project information, please visit:
www.HydroOne.com/LakeheadTStoAlexanderGS**

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HydroOne.com



Customer Communications Centre

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Monday – Friday 7.30AM – 8PM EST



Power outages & emergencies

1-800-434-1235

24 hours/7 days



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