





Important Information for Transmission Load Customers

This package was published for Hydro One's Tx Load Connection Customers as a supplement to the "Transmission Connection Procedures" document, which outlines the complete process and requirements and is available at

http://www.hydroone.com/IndustrialLDCs/ConnectionProcess/Pages/GettingStarted.aspx.

We highly encourage customers to review the Transmission Connection Procedures and ensure they are aware of all required approvals, processes, organizations and costs prior to undertaking the application process. Failure to do so may cause delays in the process. Also, this package is in no way intended to be interpreted as the views of any other organization. For more information on the process please visit

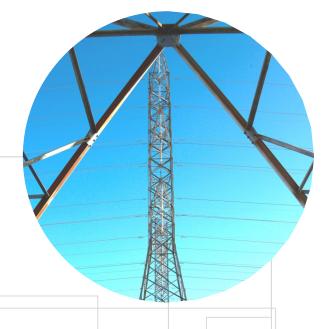
http://www.hydroone.com/Generators/Pages/Transmission-connected.aspx. Any questions regarding the process can be directed to your Hydro One Account Executive or LargeAccounts@HydroOne.com.



TRANSMISSION LOAD CUSTOMERS









Hydro One s Transmission Load
Customers must follow a
comprehensive process in order to
become connected to the
transmission system. The information
in the Transmission Load Connection
Customer Package helps to clarify
the process by providing
important information that
Customers should know prior to
connecting their facility. Customer
must also review the Transmission
Connections Procedures" document
for detailed process information.

The Transmission Load
Connection Customer Package
also assists Customers who are
requesting a new or modified
connection to Hydro One's
transmission system. The process
is consistent with the
transmission connection
procedures that have been
filed with the Ontario Energy
Board (OEB).

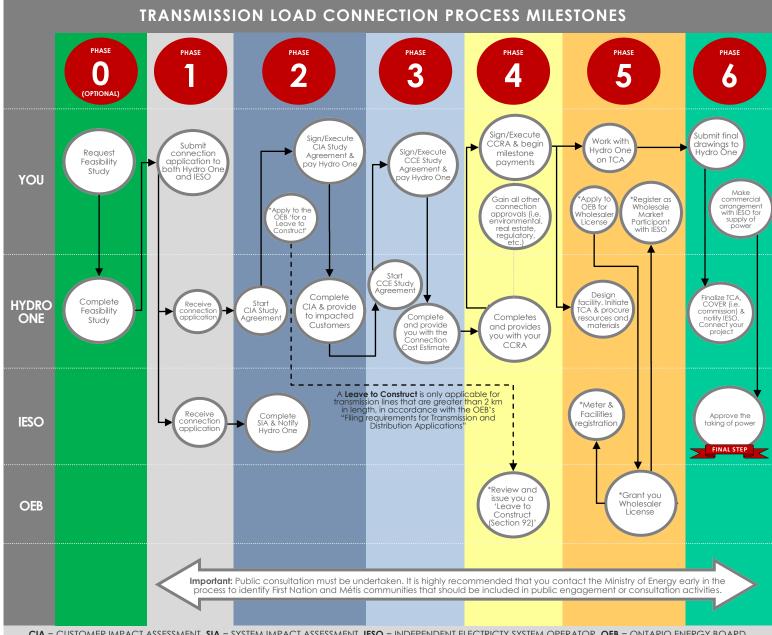




PROCESS, MILESTONES & KEY PLAYERS



Important: The complexity of your project and the associated appraisals required throughout the process could have a significant impact on your project's timelines. They can include but are not limited to Ontario Energy Board (OEB) approvals (e.g. Leave to Construct), environmental approvals, municipal approvals and permits, including land easements and land acquisitions.



CIA = CUSTOMER IMPACT ASSESSMENT, SIA = SYSTEM IMPACT ASSESSMENT, IESO = INDEPENDENT ELECTRICTY SYSTEM OPERATOR, OEB = ONTARIO ENERGY BOARD, CCE = CONNECTION COST ESTIMATE, CCRA = CONNECTION COST RECOVERY AGREEMENT, TCA = TRANSMISSION CONNECTION AGREEMENT, COVER = CONFIRMATION OF VERIFCATION EVIDENCE REPORT, SLD = SINGLE LINE DIAGRAM

ROLES OF KEY PLAYERS IN ONTARIO'S ELECTRICITY INDUSTRY **HYDRO ONE** ONTARIO INDEPENDENT **ONTARIO POWER ENERGY ELECTRICITY** CONSUMER (YOU) ELECTRICITY AUTHORITY **BOARD** SAFETY Transmitter. Responsible to operate and maintain the SYSTEM OPERATOR **AUTHORITY** (OPA) Builds and connects facilities to the Governs the legislation and regulations (Transmission System Code and Distribution System Code) (IESO) smission System, including Enhances public electrical safety in Manages supply and demand of electricity. Directs flow of electricity across Ontario new connections once approved. Physically connects your facility and ensures saftey. electricity supply through various energy programs for the Ontario Government. electrical grid. Ontario www.HydroOne.com www.powerauthority.on.ca *Ensure to review websites* www.ontarioenergyboard.ca www.ieso.ca www.esasafe.ca



PAYMENTS, TIMELINES & REQUIREMENTS



CONSTRUCTION **DEVELOPMENT** PHASE 5 PHASE 0 PHASE 1 PHASE 2 PHASE 3 PHASE 4 PHASE 6 FEASIBILITY STUDY DESIGN & BUILD APPLICATION ESTIMATE (CCE) (OPTIONAL) 1-2 3-5 4-8 1-2 1-2 1+ 10 Project specific (normally 1-2 years). Negotiated within CCRA From the date Signing of Connection Unregulated From received date the estimate agreement is executed approvals and permits are required the draft SIA Agreement WHAT IS HAPPENING DURING THE PHASE? Connection requirements, standards, projects material, design, metering and milestones are completed and approved by Hydro One. Construction of your facility per IESO Market Entry Process, CCRA and OEB, provincial, and municipal organizational rules occurs. Connection Connection Cost Estimate (CCE) CCRA for project design and build. Covers customer load guarantees, cost responsibility, scope of work, project schedule Estimate (CCE) must have a mutually agreed to contact (between Hydro One and you) on the work to be performed. CCE outlines your required financial contributions and System Impact Assessment (SIA) Application Terms and conditions of Study Agreement negotiated. Final draft SIA issued by IESO. Completion of System Impact Assessment (SIA) and CIA. Commissioning Involves inspection and testing of the connection facility

WHAT DO I NEED TO DO?

contributions and construction work for the required facilities.

Provide your
Account Executive all
known connection
information. Execute the
Feasibility Study and
provide payment to
Hydro One. Study will
not commence until you
have paid in full. Make
preliminary contact with
First Nations and Metis
communities about your
project. Ensure to
consult with them
throughout the process,
especially during public especially during public engagement consultations.

The study outlines scope of work, general technical requirements and budgetary costs for

you.



Complete and Complete and submit the Connection Application to both the IESO and Hydro One. Respond to questions regarding your application from IESO and Hydro One.

and

Customer Impact Assessment (CIA) Application

Review and accept (sign) the CIA Study Agreement and provide payment to Hydro One. This ensures Hydro One begins working on the CIA study.



Provide information as required to complete the CCE Study Agreement in preparation for the actual CCE to be calculated



Begin milestone payments related to Connection Costs upon completion of CCRA and provide information to complete the agreement if requested by Hydro One, including decisions on Contestable work.

and potential
transfer of
contestable assets
following
construction.



Build site to transmission design and construction standards, operating and maintenance standards and commissioning requirements

Provide information Provide information to help complete the TCA. Submit Commissioning Plan for review 45 days prior to In-Service, including submission of COVER to Hydro One and IESO. Submit "AS Built" Connection documents and documents and Station Single Line Diagrams within 60 days of connection.

to prepare for In-Service Date.

WHAT IS HYDRO ONE DOING?

Provides you with a Feasibility Study Agreement and connection options through the Feasibility Study.

Verifying that the portion of your application pertaining to Hydro One is complete and reaching agreement with you on the Scope of Work.

Provides you with a CIA Study Agreement once completed. Performs study, circulates to impacted customers. Finalizes CIA based on final SIA and comments received from impacted customers.

Provides you with the CCE Study once completed .

Hydro One provides you with your CCRA in preparation for the construction of your facility.

Procures necessary equipment, project materials, obtains materials, obtains necessary easements/property rights and receives necessary construction approvals and permits. Builds your connection as per the CCRA.

Finalizes TCA for execution prior to your connection. Also, notifies IESO that facilities are commissioned once complete.

IMPORTANT: The Transmission Load Connection Process takes approximately 21-36 months, however actual completion time varies significantly from project to project and is dependent on the project's complexity and required approvals, such as public consultations, permits, etc. It is highly recommended that you contact the Ministry of Energy early in the process to identify First Nation and Métis communities that should be included in public engagement or consultation activities. Regarding payments, payments to Hydro One are required at various stages (see "What Do I Need to Do?" above) in order for your application to move forward. Failure to make the required payments on time will result in delays to your application. It is the customers responsibility to ensure all of their payments are made and other requirements are met correctly as Hydro One will not be held responsible for any delays.



FEASIBILITY STUDY: PHASE 0



A PRELIMINARY ASSESSMENT of your proposed connection is performed by Hydro One and, only if deemed necessary, an in-depth assessment known as a FEASIBLILTY STUDY, is completed. A Feasibility Study is undertaken if there are potential issues with your connection relating to location, capacity, equipment, safety, resource availability or for other various reasons.

The goal of a Feasibility Study is to identify the most preferred connection option for you while also providing an estimate of the cost of your proposed connection based on the most accurate information available at the time the study is run.

The study consists of **4 steps** which are outlined below, along with your requirements as the Customer.



Contact
Hydro One
to get started

STEP

Get started by emailing your interest to LargeAccounts@HydroOne.com—include "Tx Load Connection Inquiry" in the subject line. A Hydro One Account Executive makes initial contact with you by phone or email to discuss your application. If necessary, the Account Executive may set up a preliminary face-to-face meeting with you to further discuss the requirements of your connections and provide you with an estimate of the project cost. Should you choose to proceed with a Feasibility Study, a Feasibility Study Agreement is required.

Develop cost
& scope of
the study

Prior to proceeding with the Feasibility Study, a Feasibility Study Agreement needs to be completed to outline the scope of work. Part of this Agreement will outline the cost to complete the Feasibility Study itself. Once the Feasibility Study has been executed by both parties, and you have provided payment to Hydro One, the actual Feasibility Study will commence. Important note: the completed date for the Feasibility Study will be negotiated between you and Hydro One as part of the Feasibility Study Agreement.

Complete the study

Hydro One prepares the Feasibility Study. Once the study is completed your Hydro One Account Executive will provide it to you. The finalized study will include an estimate that is accurate to within plus or minus 50% of the actual cost of your connection as it was assessed during that specific period, and will cover the connection options examined as part of your study.

Approve or Reject the study

Your Hydro One Account Executive sets up a meeting with you to review the Feasibility Study. Following the meeting you are required to choose ONE of the following options **within 45 days** of the study's completion date:

- 1) Accept the Feasibility Study;
- 2) Request a new study, which would require you to start back at step 1 or 2 (above) of the process depending on connection/project details; or
- 3) Withdraw your application and do not proceed any further.