

Project Approvals

May 3, 2012

Hydro One commenced the Class Environmental Assessment in accordance with the Ontario *Environmental Assessment Act*

November 15, 2012

Hydro One released the draft Environmental Study Report for a 30-day public review and comment period

December 17, 2012

Following the conclusion of the Draft Environmental Study Report, the Minister of the Environment and Climate Change (MOECC) received comments from the community requesting that the project be escalated to an Individual Environmental Assessment

January 2, 2014

The Minister issued his decision that Hydro One would not be required to conduct an Individual Environmental Assessment, but is required to satisfy conditions described in the Decision

January 16, 2014

Hydro One submitted the final Environmental Study Report to the MOECC

January 23, 2015

Hydro One notified the MOECC that all of the conditions described in the Minister's Decision have been satisfied

Purpose of the Public Information Centre

We are here to listen to your concerns, answer your questions, and provide information about the project, including:

- Project schedule
- Station construction activities
- Station protection and control systems
- Hydrology and hydrogeology of the site
- Environmental mitigation measures on-site
- Habitat creation and visual screening plan

Safety by Design

Hydro One invests in a number of contingency measures at our stations to ensure the safe operation of all equipment. Specifically at Clarington TS, multiple protection systems are in place to ensure that in the event of a mineral oil discharge, fluid is contained and cleaned up in an environmentally responsible manner.

- Each of the 500/230 kV transformers will be equipped with more than 30 automatic warnings and alarms.
- Clarington TS will be monitored remotely from our grid control centre through system controls and employees on a 24/7 basis.
- If an alarm is triggered, local Hydro One crews are dispatched immediately.
- The system is designed to disconnect the transformers from the system if critical alarms sound.

Contingency and Pollution Prevention Plan

- Hydro One has a Contingency and Pollution Prevention Plan in place for Clarington TS in the unlikely event that an emergency situation occurs on-site.
- This document provides Hydro One employees with access to critical information for responding to emergency situations.
- The Contingency and Pollution Prevention Plan will be shared with local emergency responders including Durham Regional Police Service and Clarington Emergency and Fire Services.
- The Contingency and Pollution Prevention Plan is available on Hydro One's website at www.HydroOne.com/Projects/Clarington.

Habitat Creation

Hydro One's on-site habitat creation and biodiversity plan includes:

- **Enhancing** the natural environment to encourage continuous and contiguous habitat.
- Planting to **improve** water quality by reinforcing creek and tributary banks.
- **Creating** habitat which will support a larger population of crop-pollinating insects and birds.
- **Planting** two hectares of habitat for each hectare removed.



Visual Screening

- As part of the on-site habitat creation and biodiversity plan, Hydro One will be developing a visual screening plan.
- Our project team would like your input to develop and enhance the visual screening around the station.
- **Interested in participating?** Sign up today for a workshop our project team will be hosting.



Environmental Mitigation On-Site

- Sediment and erosion controls (e.g. sediment fences) have been installed and will be maintained during construction.
- Bird nest surveys will continue during breeding seasons to ensure active nests are not disturbed by vegetation removal.
- Brush piles have been created on the new 230 kV right-of-way (RoW) in the woodlot to enhance the habitat value for birds and other wildlife.
- All work and access in the woodlot has been limited to the new 230 kV RoW to minimize disturbance to the rest of the woodlot.



Environmental Mitigation On-Site

- Work areas will be seeded/planted to establish a vegetative ground cover.
- Soil will be stockpiled for re-use during station construction and landscaping.
- Vehicles are inspected for dirt/debris and washed accordingly before leaving the site to ensure local invasive plant species are not spread by construction equipment.



Before

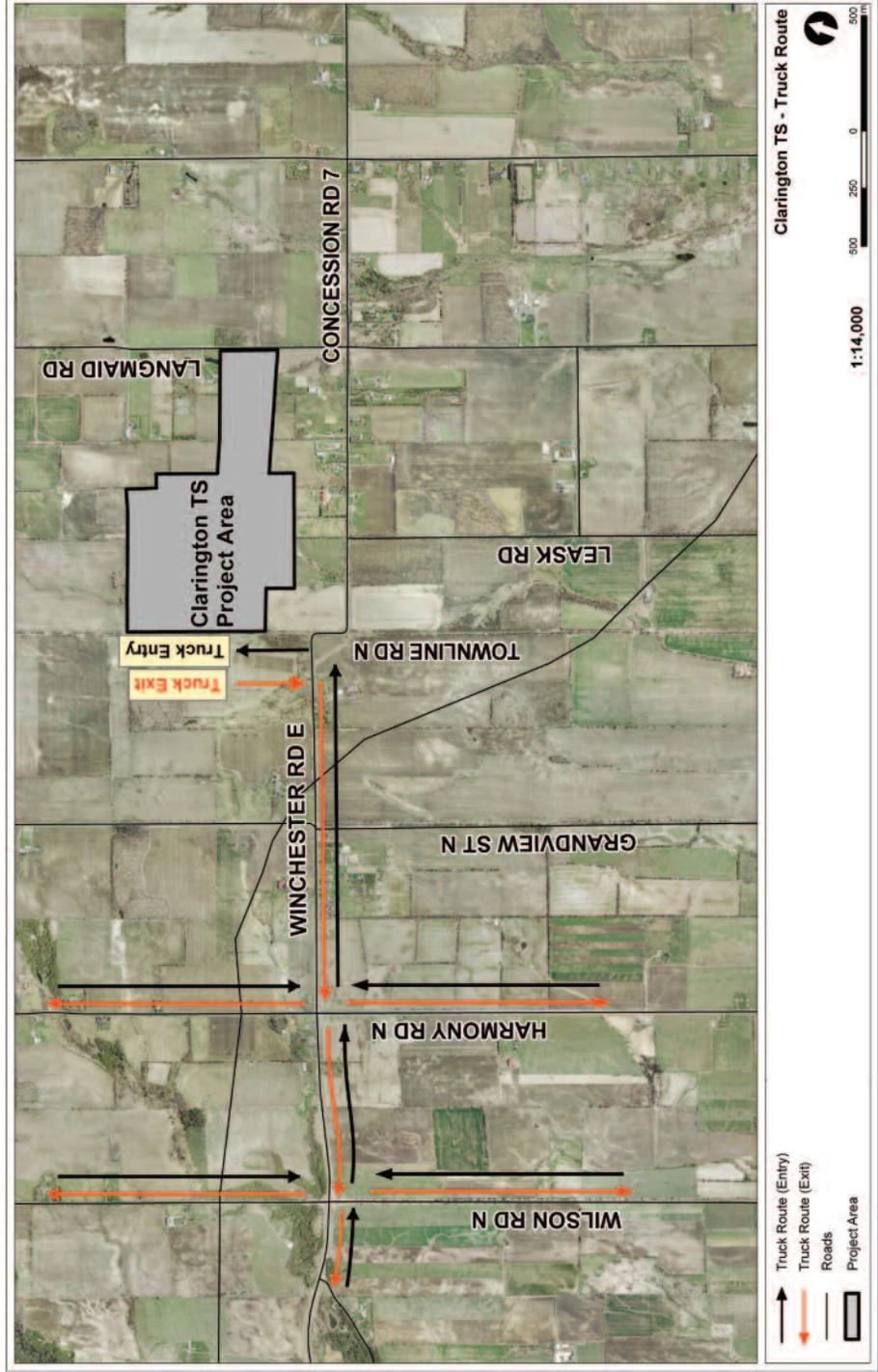


After

Project Schedule

START		COMPLETE
Spring 2014	Site preparation activities including relocation of 230 kV lines	Fall 2014
Fall 2014	Construction of Permanent Access Road	Fall 2014
Fall 2014	Construction of 500 kV Tower Foundations	Winter 2015
Winter 2015	Station Construction	Winter 2016
Winter 2014	Relocation of 500 kV lines	Spring 2015
	Spring 2017 Clarington TS In-Service	
Fall 2015	Habitat Creation and Visual Screening	Spring 2018

Truck Route



Station Construction

Throughout station construction our typical work schedule will be:

- Monday to Friday, 10 hour work days.
- Work on weekends may be required, if necessary.

Station construction will include:

- Removing hedgerows from the eastern edge of the site.
- Cutting and filling the station footprint:
 - Soil will be used to create berms for visual screening.
 - Installing drainage system, including spill containment.
 - Spreading gravel and finish stone to complete grading.
- Installing chain link fencing along the perimeter of the station.

Station Construction

- Installing footings and foundations inside the station.
- Installing two 500/230 kV transformers and associated equipment inside the station.
- Installing two relay buildings.
- Once this work is complete, the station will be connected to the 230 kV and 500 kV system, and brought into service.



Safety

- We are committed to working in compliance with the *Occupational Health and Safety Act* and regulations.
- Our employees and our contractors must comply with the guidelines set out in Hydro One's and the contractor's safety policies.
- To ensure public safety, and our workers' safety, Hydro One will:
 - Restrict access to the station to Hydro One trained personnel.
 - Ensure proper signage with emergency numbers is posted at all access roads.

Contacting Hydro One

Thank you for attending this Public Information Centre

For any project related questions please call us at:

1-877-345-6799

or email:

Community.Relations@HydroOne.com

Be sure to visit the project website for updates at:

www.HydroOne.com/Projects/Clarington