

Clarington Transformer Station

Construction Update:

Completed and ongoing activities

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Clarington TS Construction Schedule

Construction Activity	Initial Schedule	Actual/Projected Schedule
Site preparation & lines relocation	Spring 2014 – Spring 2015	July 2014 – Sept. 2015
Construction of Clarington TS	Winter (Jan.) 2015 – Winter (Dec.) 2016	July 2015 – Feb./March 2017
Clarington TS in-service	Spring 2017	March/April 2018

Lines Relocation Work

July 2014 - September 2015

- Existing 230 kV & 500 kV lines on the east/south were relocated



Lines Relocation Work

July 2014 - September 2015

500 kV Towers

- 7 new installed
- 2 old removed



230 kV Towers

- 24 new installed
- 16 old removed; 4 steel towers & 12 wood pole structures



Access Road

Completed September 2015

- Permanent access road was installed off of Townline Road North
- Designed to support the weight of each transformer that will be delivered to site



Site Grading

On-going
Started July 2015

To establish the station footprint:

- Cut and fill grading operation to create a level surface for the station to be built on
- Gravel and finish stone will be added to complete the grading
- A water handling system was installed to manage water throughout the duration of these activities as per the Permit to Take Water (PTTW)



Surface Drainage System

On-going

Started October 2015



Oil-Water Separator Tanks

On-going

Started October 2015

- 2 oil-water separator tanks will be connected to the spill containment pits for each transformer



Transformer Foundations

On-going

Started November 2015

- ~50% of the foundations completed
- Containment pit



230 kV Yard Construction

On-going

Started September 2015



What's Coming up Next?

- Ongoing construction of the 230 kV yard
- Construction of the 500 kV yard
- Construction of relay buildings
- Delivery of two 500/230 kV transformers
- Assembly of transformers
- Lines work to connect the Clarington TS to the grid

Questions?

