

Clarington Transformer Station

FACT SHEET #1 - WHAT IS CLARINGTON TS?

WHY DO WE NEED THIS STATION?

Hydro One Networks Inc. (Hydro One) has a responsibility to all Ontarians to deliver power in a safe and reliable manner.

The OPA has advised that Pickering Nuclear Generating Station (GS) is approaching its final years of operation, which will remove approximately 3,000 MW of generation from the east Greater Toronto Area (GTA) which must be replaced with a corresponding amount of power through Hydro One's transmission system.

Clarington Transformer Station (TS) is required to accommodate the eventual closing of Pickering NGS and will enable future electricity growth in the local area and ensure the area has the necessary facilities to provide a safe, reliable supply of electricity to existing and future customers. The station is also required to address immediate reliability needs to homes and businesses in Durham and the east GTA.

DETAILS OF THE STATION

Upon completion, Clarington Transformer Station will be a 500/230 kilovolt transformer station and will connect to the existing 230 kV and 500 kV transmission lines. It will ultimately consist of four state of the art transformer units and associated electrical equipment such as towers. The station is engineered to industry best practices to ensure it runs safely and reliably.

The station will include a relay building that will house protection and control equipment. This allows the station to be monitored live on a 24-7 hour basis from our grid control room.

Some facts about Clarington TS:

- The proposed station footprint is approximately 300 x 413 metres
- It will include four transformers (two in the initial phase)
- Each transformer will weigh 535 tonnes

STATION LOCATION

The project area borders Concession Road 7 to the south, Langmaid Road to the east, Durham Road North to the north and Grandview Street North to the west.

