

# Planned Modernization of Elgin Transformer Station (TS)

Presentation to City of Hamilton  
General Issues Committee

August 8, 2016



# Introductions

Kevin Bros, Real Estate Coordinator, Hydro One

Carrie-Lynn Ognibene, Acting Manager, Public Affairs, Hydro One

Mark Truchanowicz, Senior Network Management Engineer, Hydro One

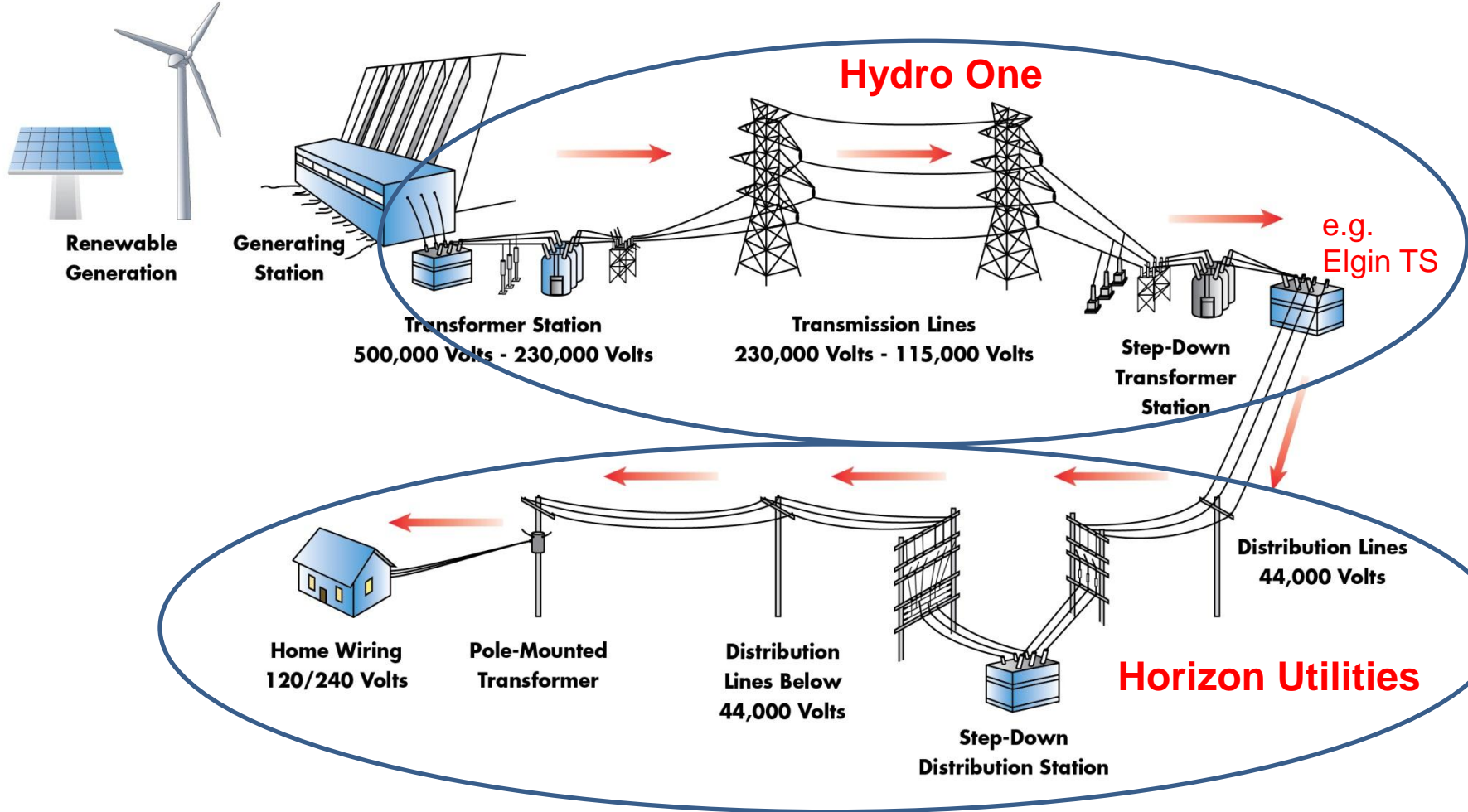
Jim Butler, Director - Engineering & Operating, Horizon Utilities

Paul Szachlewicz, Policy Advisor - Business Development, Horizon Utilities

# Today's Presentation

- ◆ Roles of Hydro One and Horizon Utilities
- ◆ Elgin TS location and service area
- ◆ Station refurbishment project: Need and Scope
- ◆ Why refurbishing the existing Elgin TS is the preferred option to building a new station at a new site
- ◆ Questions

# Powering Hamilton





# Elgin TS Location & Service Area



# Project Need and Scope

- ◆ Electrical equipment at the station has reached its end-of-life
- ◆ Aging equipment has a higher risk of failure, therefore new equipment is urgently needed to ensure reliability of supply
- ◆ Project scope includes:
  - Replacing four existing power transformers with two new units
  - Constructing a three-story building at the south end of the station to house low voltage switchgear and telecommunications facilities
  - All construction within station property, no expansion of station footprint and no increase in station voltage
  - 3-4 four year project timeline

# Preferred Option

Refurbishing the existing Elgin TS meets Horizon Utilities' forecast needs, and has several advantages over relocating or burying the station:

- ◆ Makes best use of existing infrastructure
- ◆ No impact to supply while project underway
- ◆ Reduces reliability risk due to shorter project timeline
- ◆ Ability to start project in Fall 2016 avoids potential for concurrent work at Elgin TS and on the LRT project
- ◆ Reduces disruption to the community, e.g. no need to excavate streets to reconfigure underground cables
- ◆ Minimizes Hydro One footprint in the community
- ◆ Provides opportunity to improve station aesthetics
- ◆ Minimizes cost for Ontario electricity ratepayers
- ◆ No incremental cost to City of Hamilton taxpayers



# Questions?

