

Hydro One Networks

# Clarington Transformer Station

Presentation to Area Residents

September 11, 2012

Solina Community Hall, Solina

# Our Purpose, Our Commitment



- Share information about the Environmental Assessment (EA) process
- Discuss proposed site and alternative sites
- Listen and hear what you have to say
- Where we go from here
- Answer questions

# Electricity Industry Structure



**REGULATOR** of Ontario's natural gas and electricity sectors



**Responsible for**

- Develop plans to ensure electricity needs are met for the benefit of Ontario, both now and in the future

**Responsible for**

- Reliable operation of the transmission system
- Balancing demand and supply
- Operating the competitive wholesale market

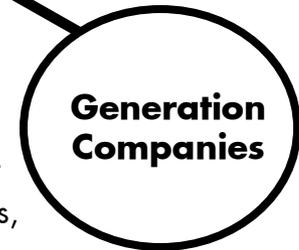


**Transmission Responsible for**

- Operate, maintain and develop high voltage system greater than 50 kV

**Distribution Responsible for**

- Operate, maintain and develop low voltage system less than 50 kV



**Responsible for**

- Provide electricity through sale either at spot market, contracts, or 'self-dispatch' for generators with less than 20 MW



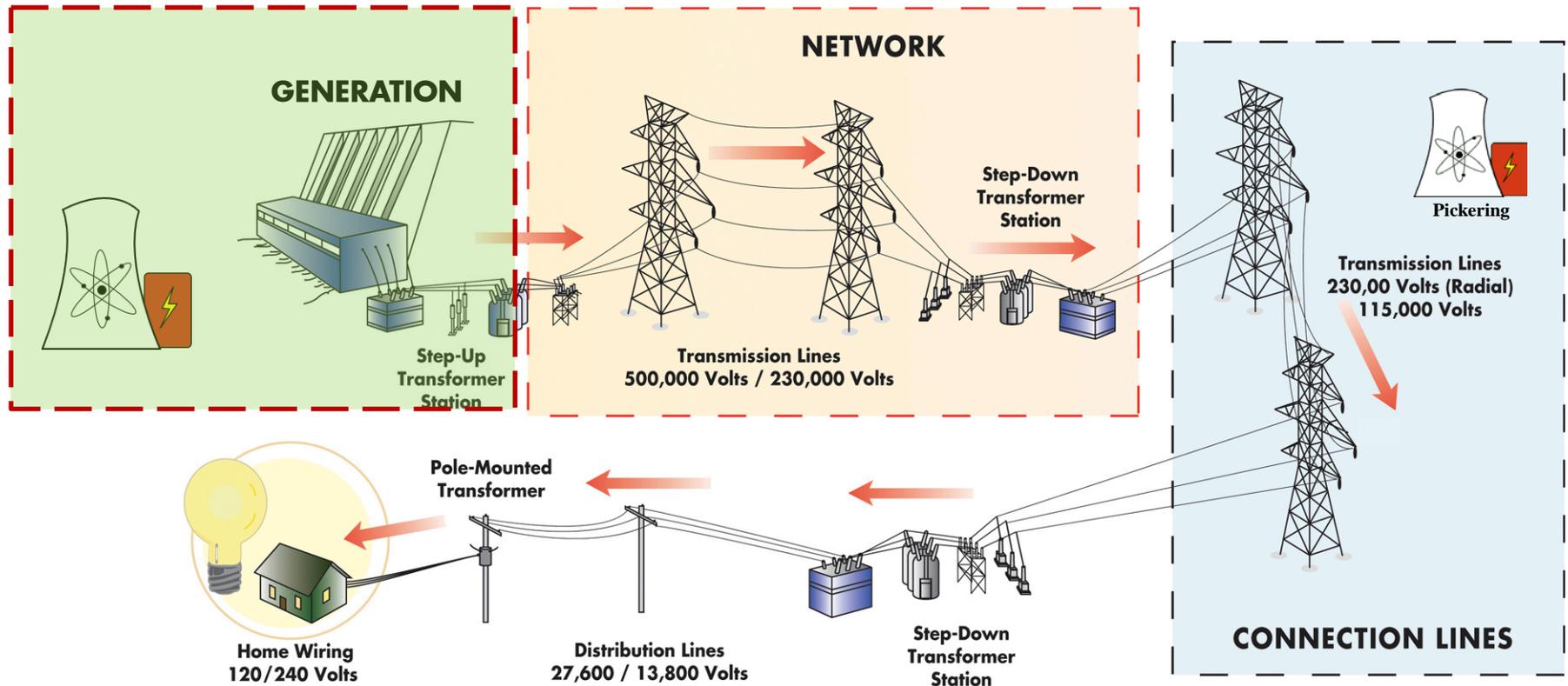
PRISTINE POWER INC.



Great Lakes Power



# Ontario's Electricity System



- Hydro One follows the requirements set out in the *Class EA for Minor Transmission Facilities* under the *Environmental Assessment Act*, approved by the Ministry of the Environment (MOE)
- The Class EA process ensures that transmission projects with a predictable range of effects are carried out in an environmentally-acceptable manner and includes the following steps:
  - Consultation
  - Data collection
  - Draft Environmental Study Report for public review and comment
  - Resolve any outstanding issues. If dissatisfied with resolution, can write to the Minister of the Environment requesting a higher level assessment (Part II Order)
  - Final ESR filed with the MOE

# Clarington Transformer Station



- Clarington Transformer Station (TS) will bring electricity from the Transmission Network to the Connection Network
- Needed to address the eventual closure of Pickering Nuclear Generating Station (NGS)
- Pickering NGS supplies as much as 25% of the east GTA's electricity demand
- Clarington TS will not generate electricity, it will support existing demand
- Clarington TS is required to ensure continued safe and reliable electrical supply to existing and future customers in the east GTA

# Discuss Proposed Site And Alternative Sites

- Cherrywood TS
- Parkway TS
- Alternative Sites
- Why Clarrington Site

# Next Steps

Public Information Centre #2	Fall 2012
Draft Environmental Study Report (ESR) Review Period	Fall 2012
Submit Final ESR to the Ministry of Environment	Winter 2012/13
Begin Construction	Spring 2013
Station In-service	Spring 2015

## Questions & Answers

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