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# Transmission Expansion in Northwestern Ontario

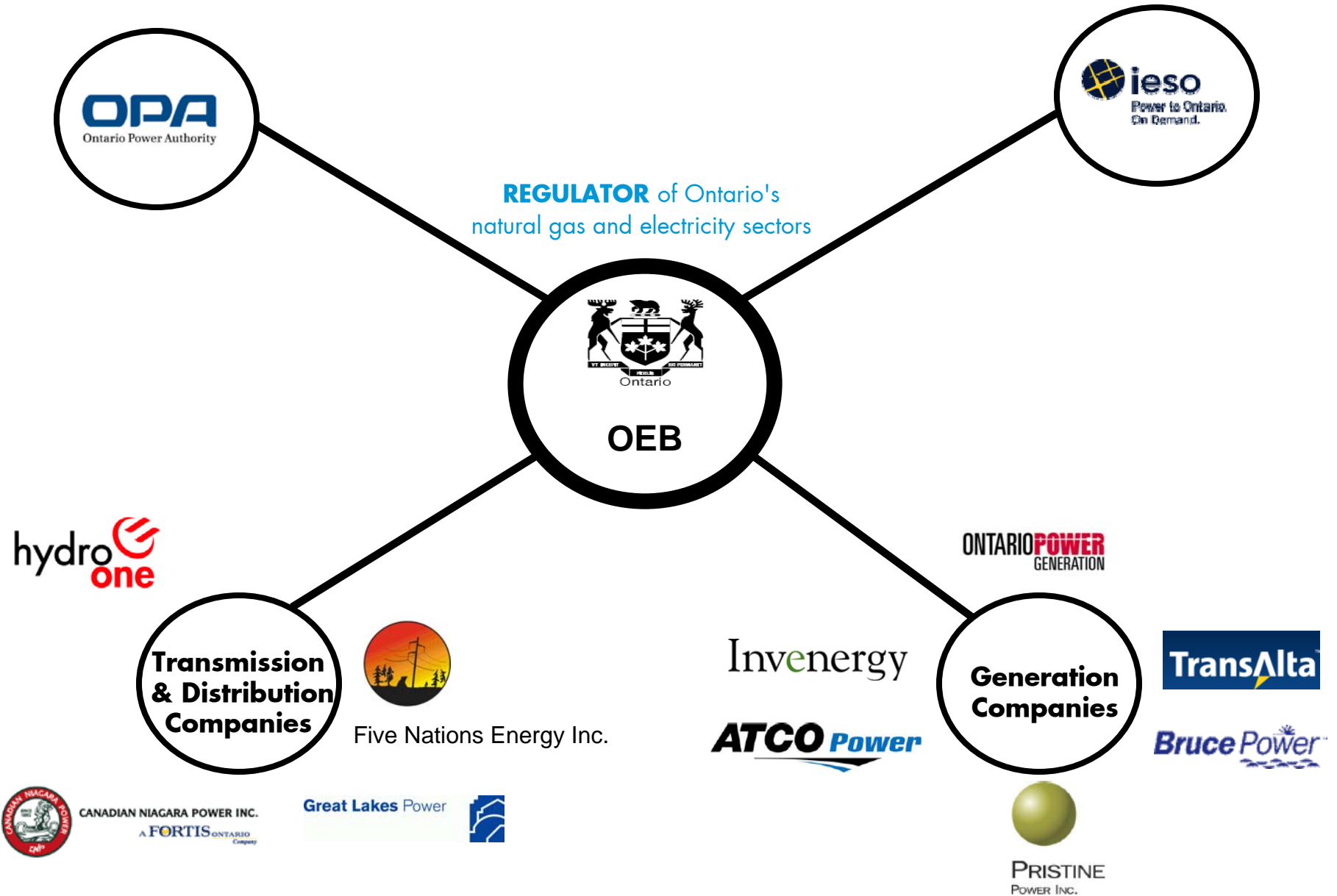
Presentation to  
The Northwestern Ontario Municipal Association

April 22, 2010

# Today's Discussion

- *Green Energy and Green Economy Act*
  - 20 transmission projects and investments into the distribution network
- Northwest Transmission Expansion
  - Approvals Update
  - Communications and Consultation
- East West Tie Expansion
  - Project overview
  - Communications and Consultation

# Electricity Industry Participants



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# Hydro One's Role in New Transmission

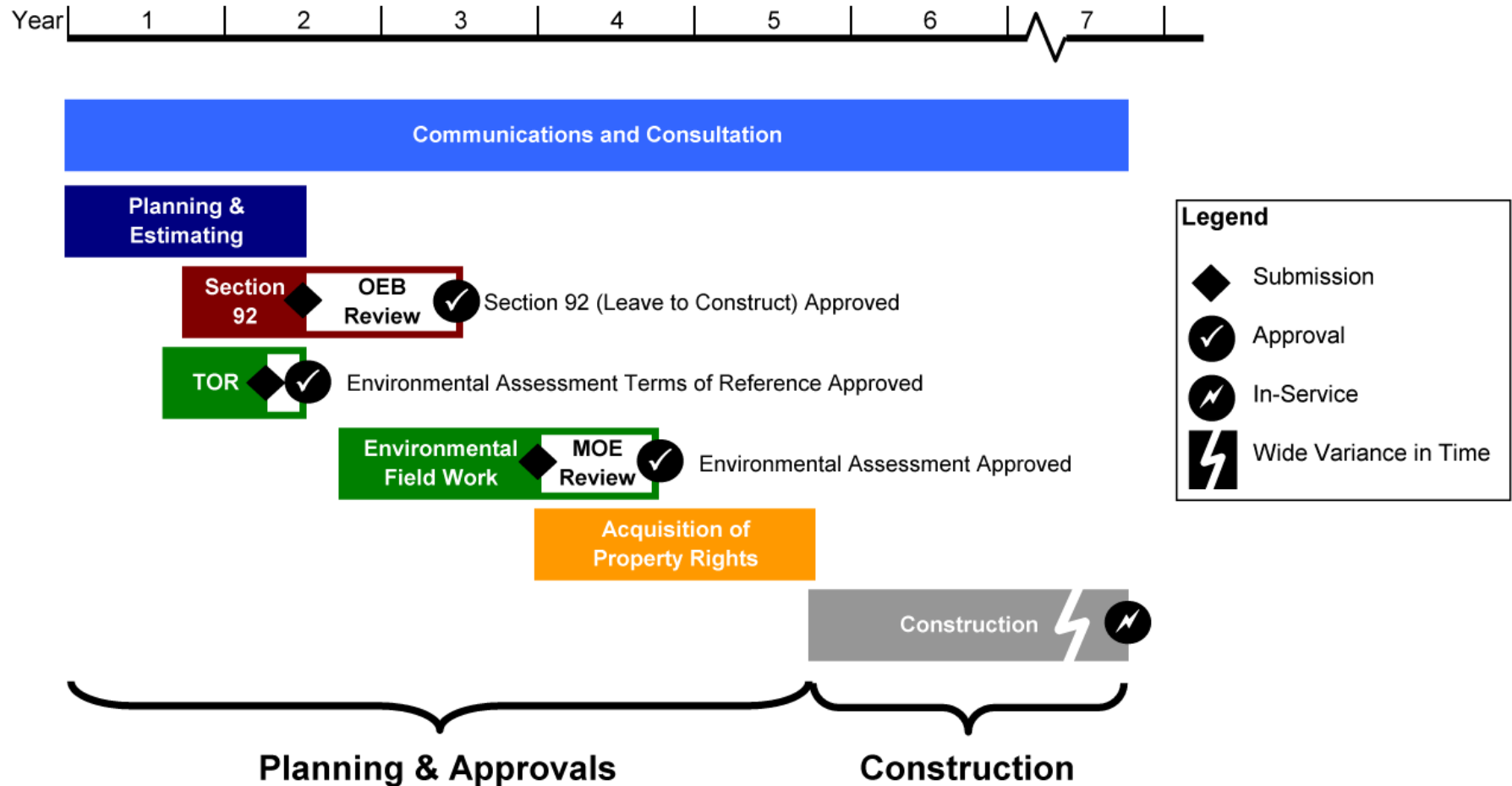
- Implement Transmission Solutions identified by the OPA
- Obtain Ontario Energy Board (OEB) Leave to Construct (Section 92) approvals
- Obtain Ministry of the Environment (MOE) approvals under the *Environmental Assessment (EA) Act*
- Conduct consultations with First Nations and Métis communities, stakeholders and the public
- Design and construct new facilities once approved



# How long to plan and build new facilities?

## Illustrative Timelines for Major Transmission Projects

(Actual timelines will vary for each individual project.)



# ***Green Energy Act, 2009***

- Aims to expand investment in renewable energy; create well-paying jobs; build a stronger, greener economy; make the transmission grid more efficient; create a culture of conservation.
- September 21, 2009 – Ontario Government asks Hydro One to immediately proceed with planning, developing and implementing;
  - 20 major transmission projects across Ontario
  - Upgrades to enable distribution connected generation
- These projects/upgrades will enable renewable energy projects (FIT program), increase transmission system reliability and energy transfer capability

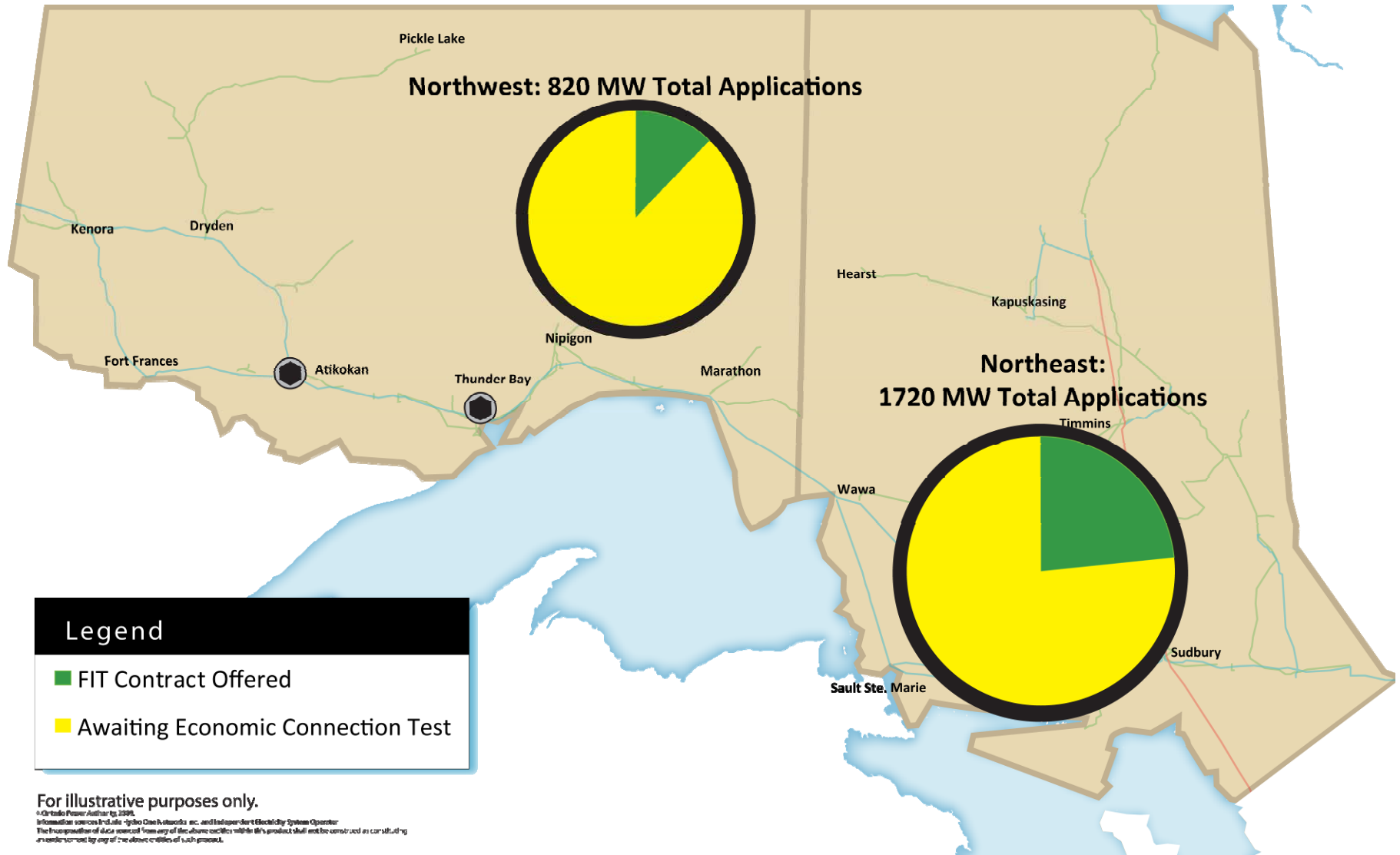
# Ontario's Feed-in-Tariff Program - Background

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- Launched in October, 2009
- Includes wind, solar, hydro and bioenergy resources
- Multiple program categories target a range of participants including individual homeowners, community groups, First Nation and private sector investors
- Strong response to date: over 900 applications in the first two months alone, totalling over 9,000 MW
- Applications have been received from all over Ontario, including 2,600 MW in northern Ontario



# Ontario's Feed-in-Tariff Program - Applications



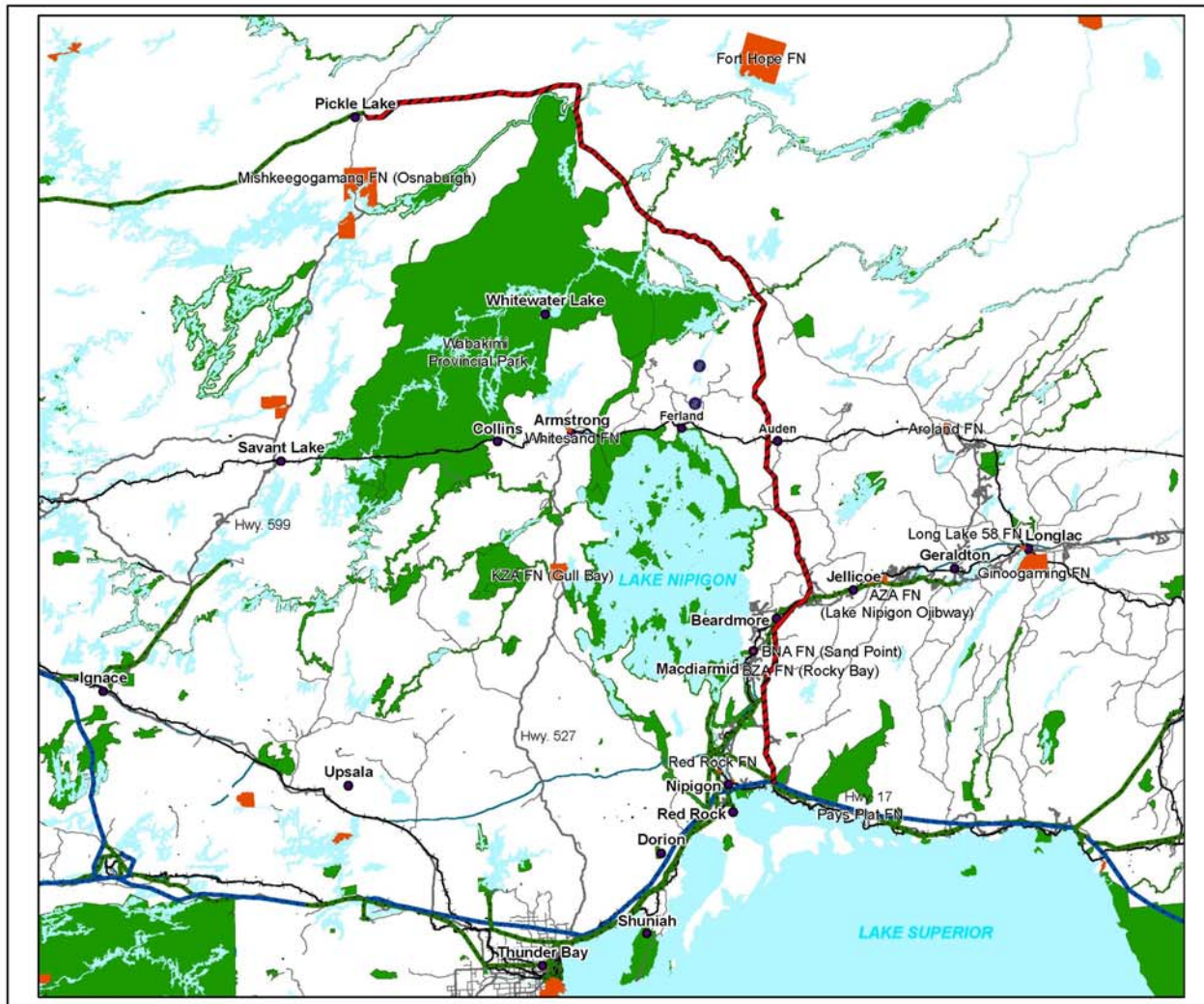
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# Government Request



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# Northwest Transmission Expansion Project Reference Corridor



**hydro one**

**Northwest Transmission Expansion Project Reference Corridor**

0 10 20 30 40 50 km  
NAD83 Lambert Conformal Conic

**Legend**

- Reference Corridor
- Communities
- Proposed Structure Little Jackfish River
- Railways
- Highways
- Primary Roads
- 115 kV Circuit
- 230 kV Circuit
- Utility Line
- Transport Line
- First Nation Reserve
- Waterbodies
- Park or Conservation Reserve

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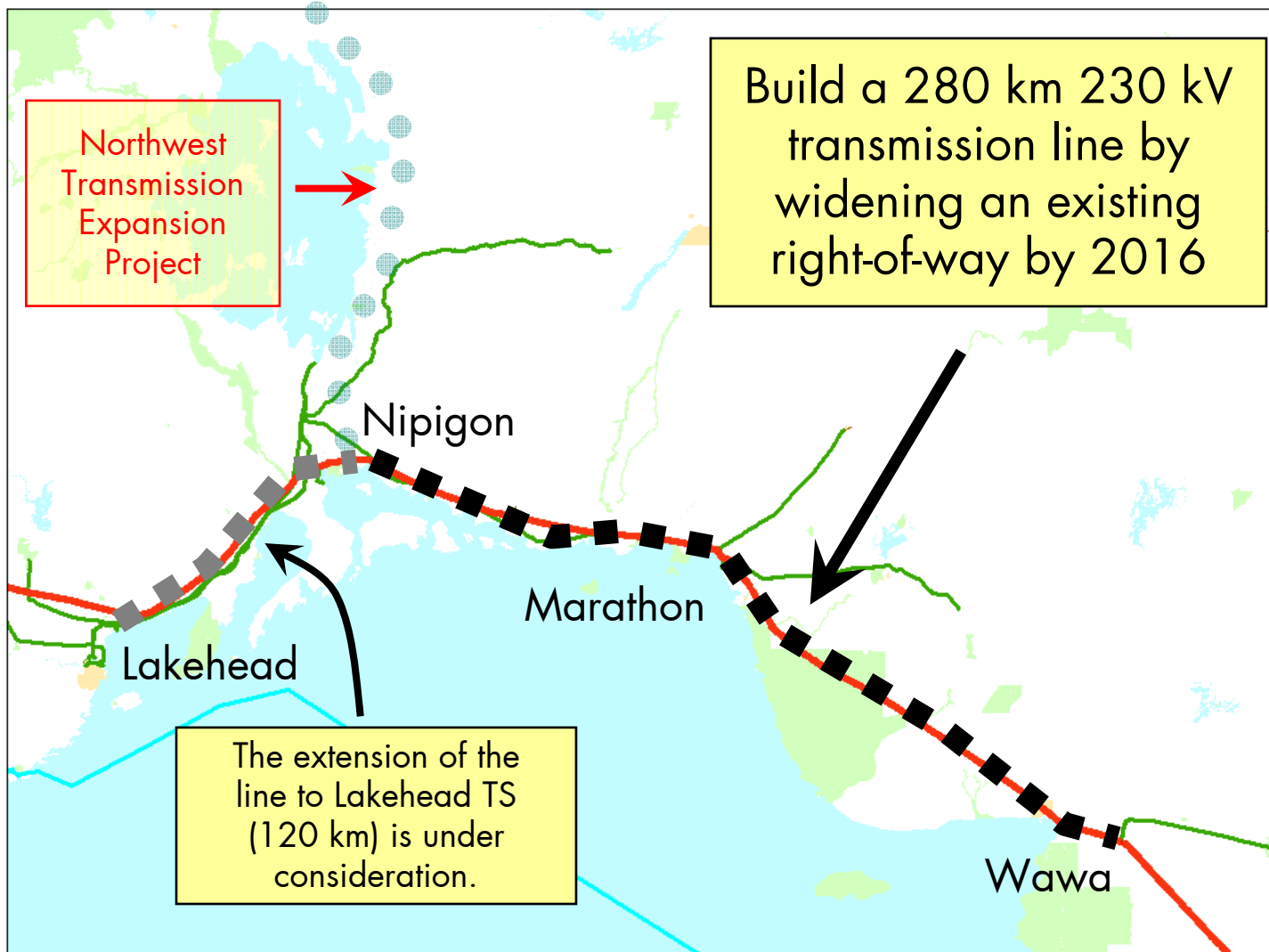
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# Northwest Transmission Expansion

## EA Terms of Reference

- Hydro One will make its draft Terms of Reference available for review and comments in May 2010 for 30 days
  - Draft ToR will be posted on project website and available in local libraries
  - Newspaper ads and newsletter will provide details on review process
  - Workshops are also planned
- Hydro One will submit the proposed Terms of Reference to the Ministry of the Environment (MOE) for review in the summer

# East-West Tie Expansion



# East-West Tie Expansion

## Next Steps

- Hydro One will be meeting with municipalities involved in the project in May
- Public information centres tentatively planned for summer 2010

**Thank you**