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North and Central Transmission Projects

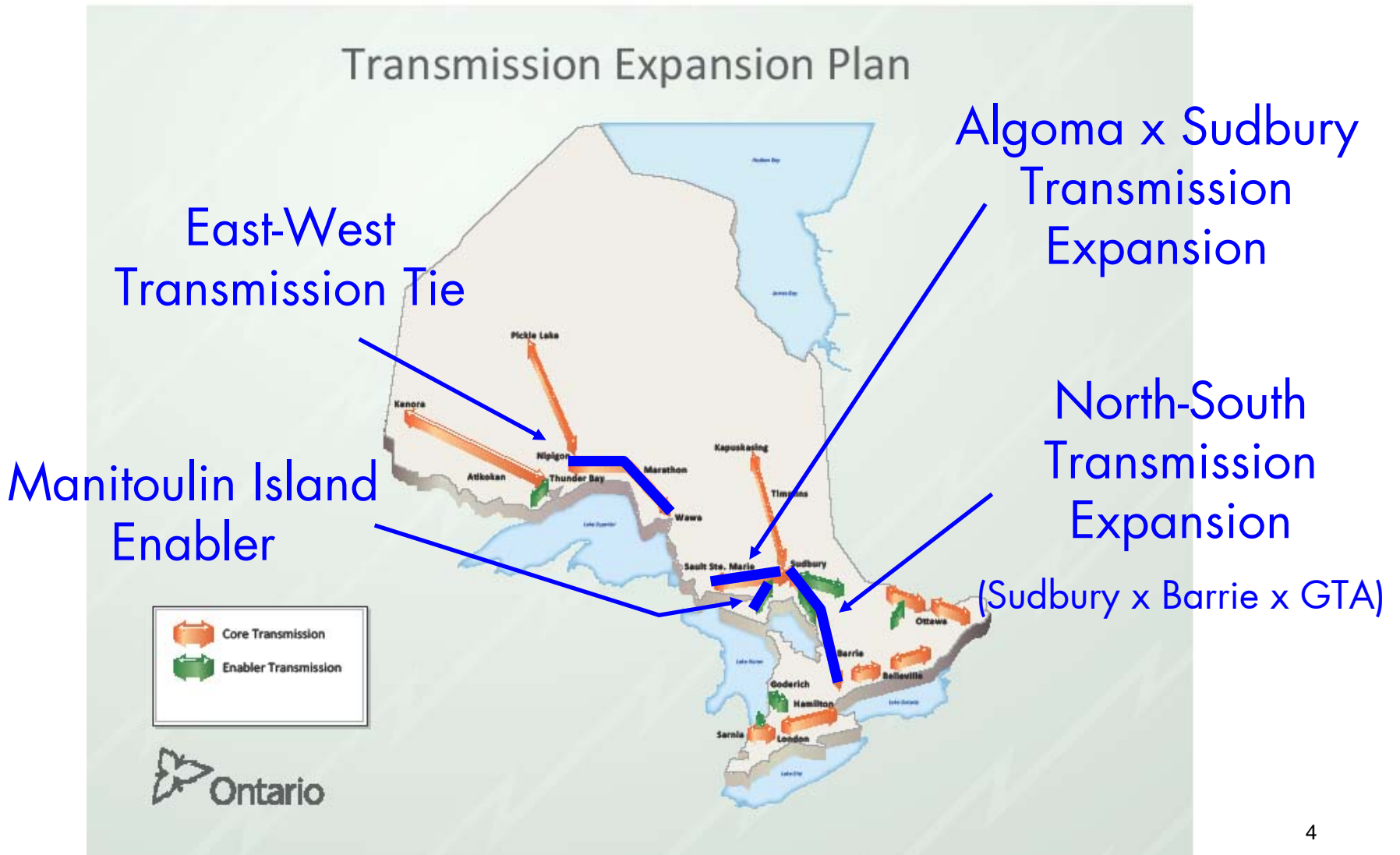
Naren Pattani

Manager, Transmission Planning

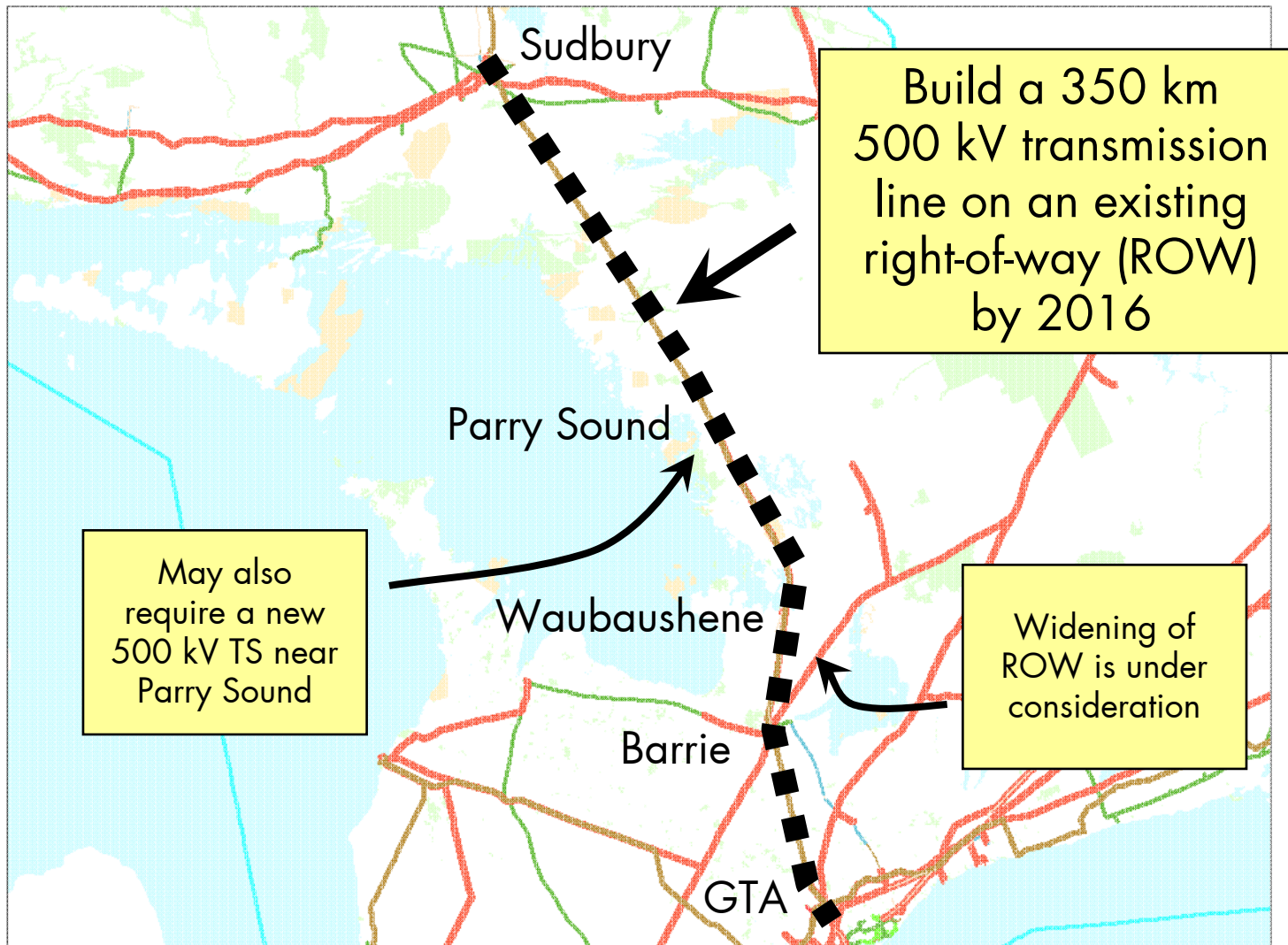
Green Energy Act, 2009

- 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 renewables (FIT program), increase transmission system reliability and energy transfer capability

Government Request



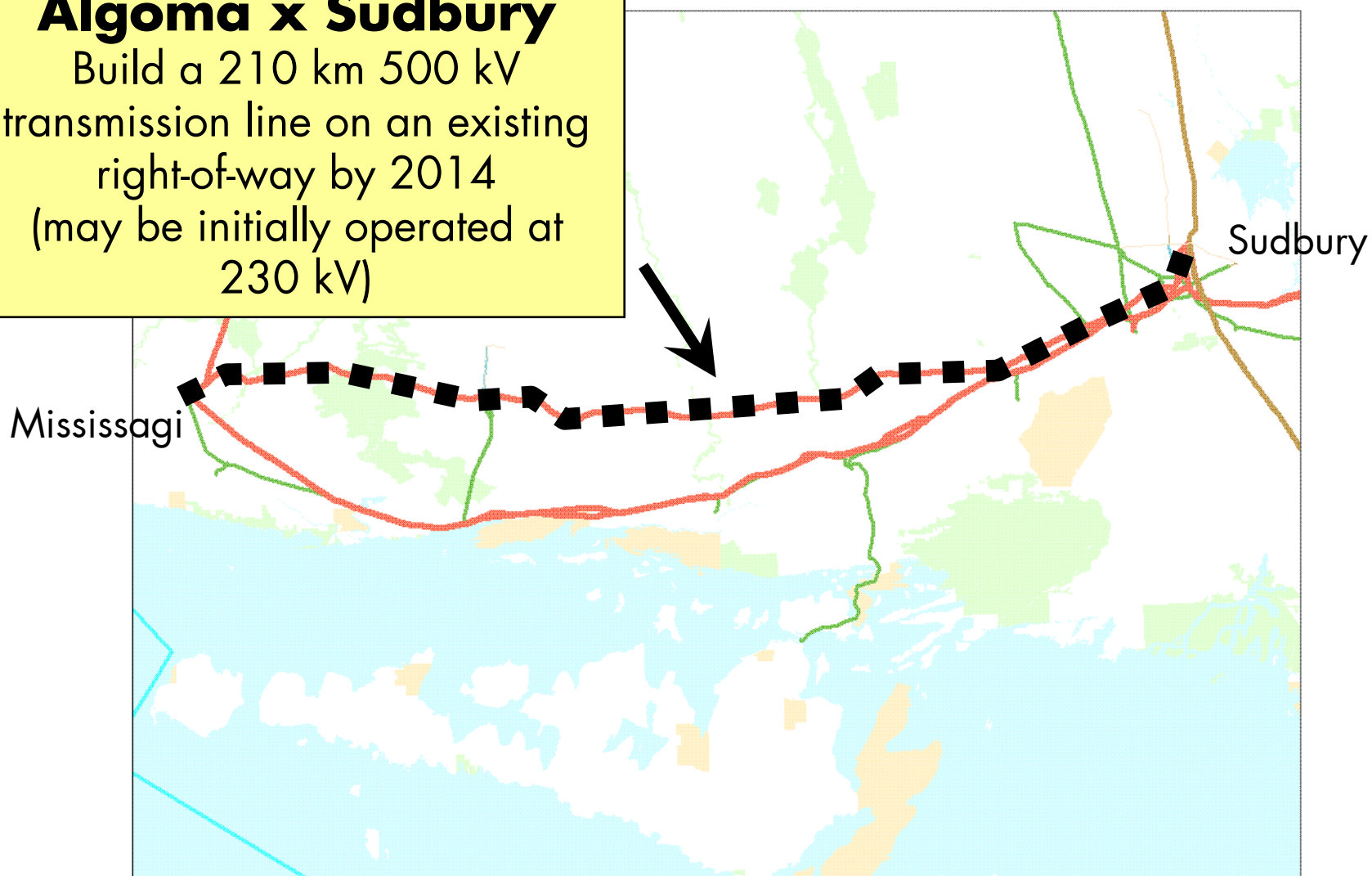
North-South Transmission Expansion



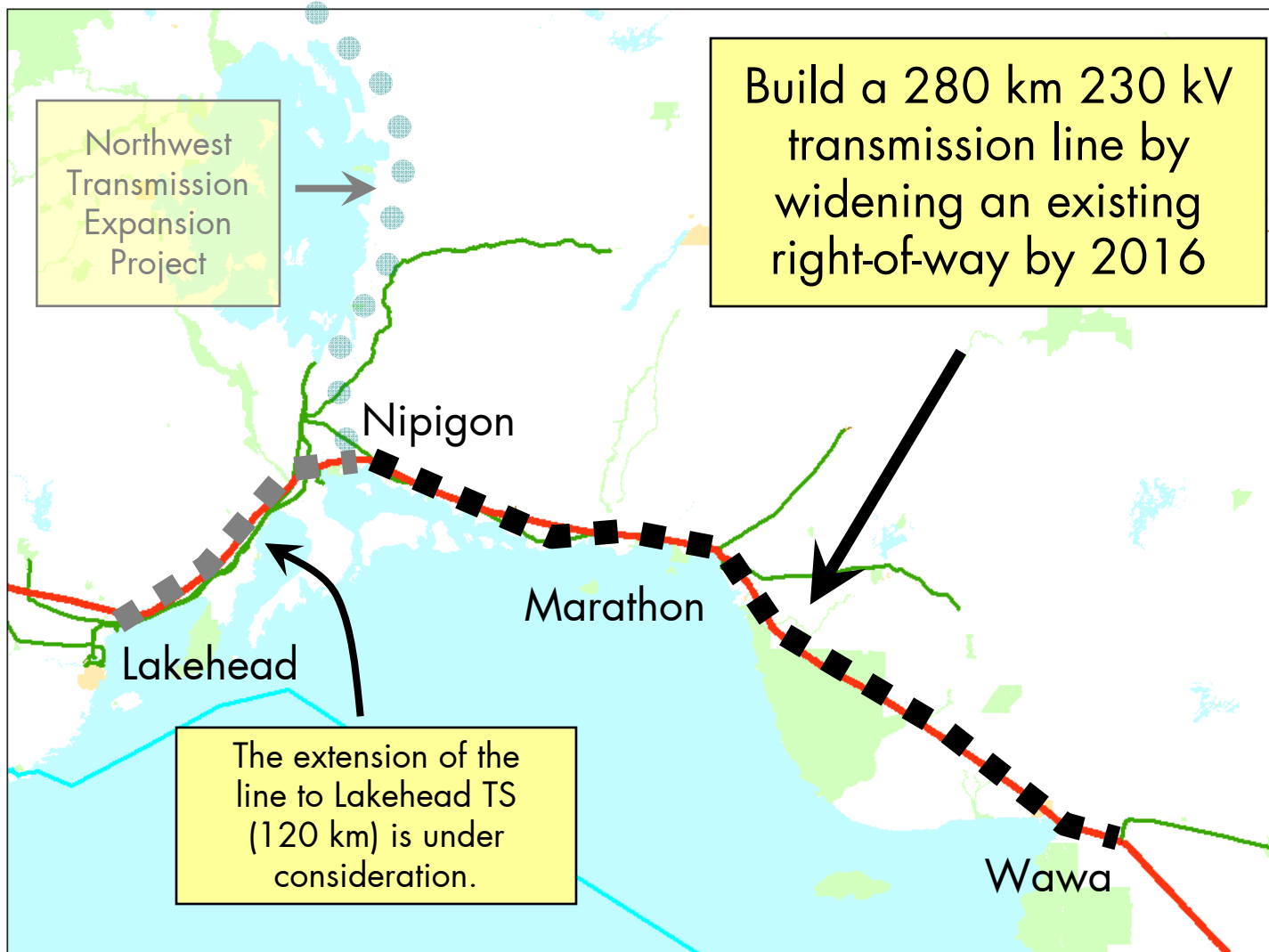
Algoma x Sudbury Transmission Expansion

Algoma x Sudbury

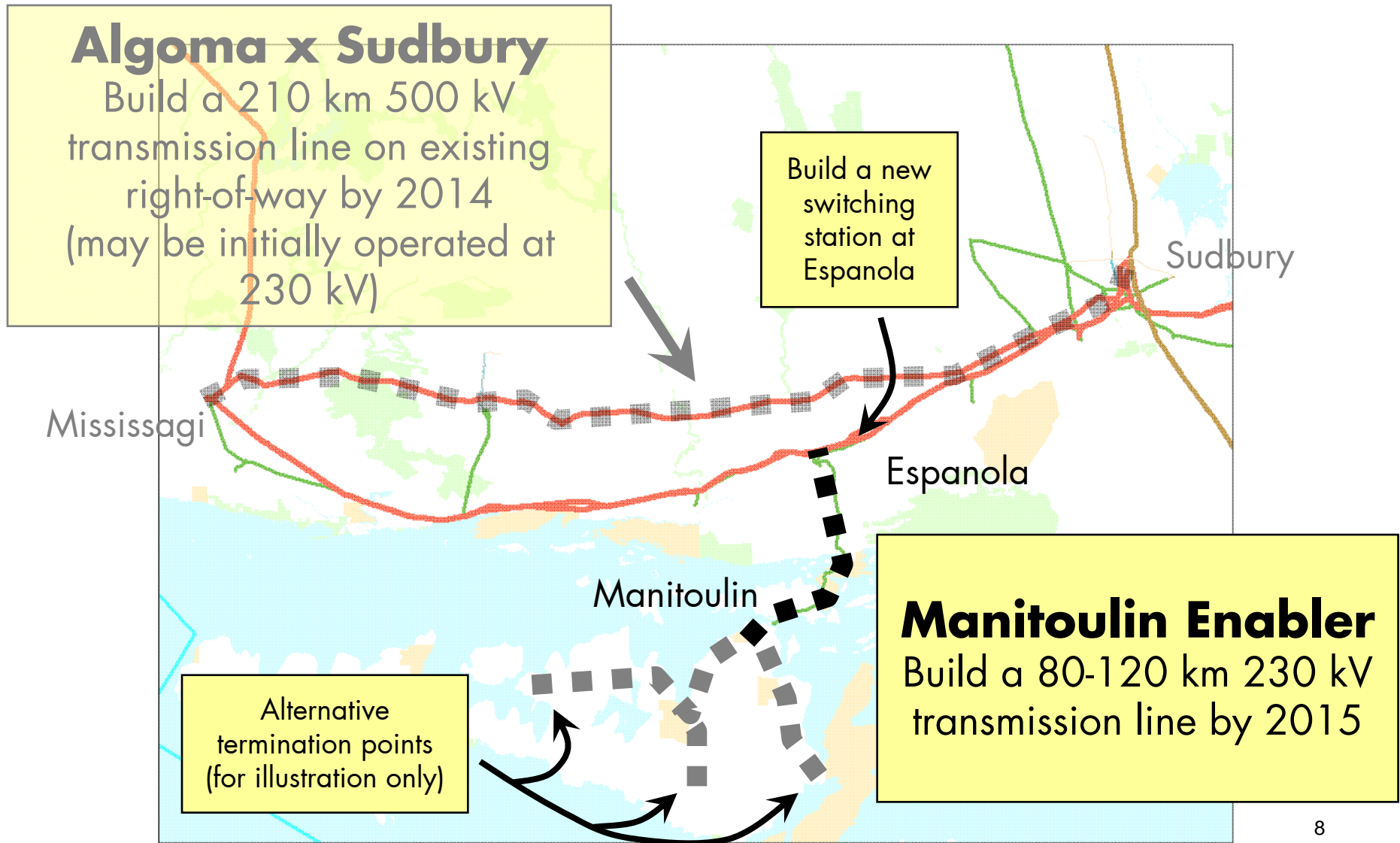
Build a 210 km 500 kV transmission line on an existing right-of-way by 2014 (may be initially operated at 230 kV)



East-West Transmission Tie



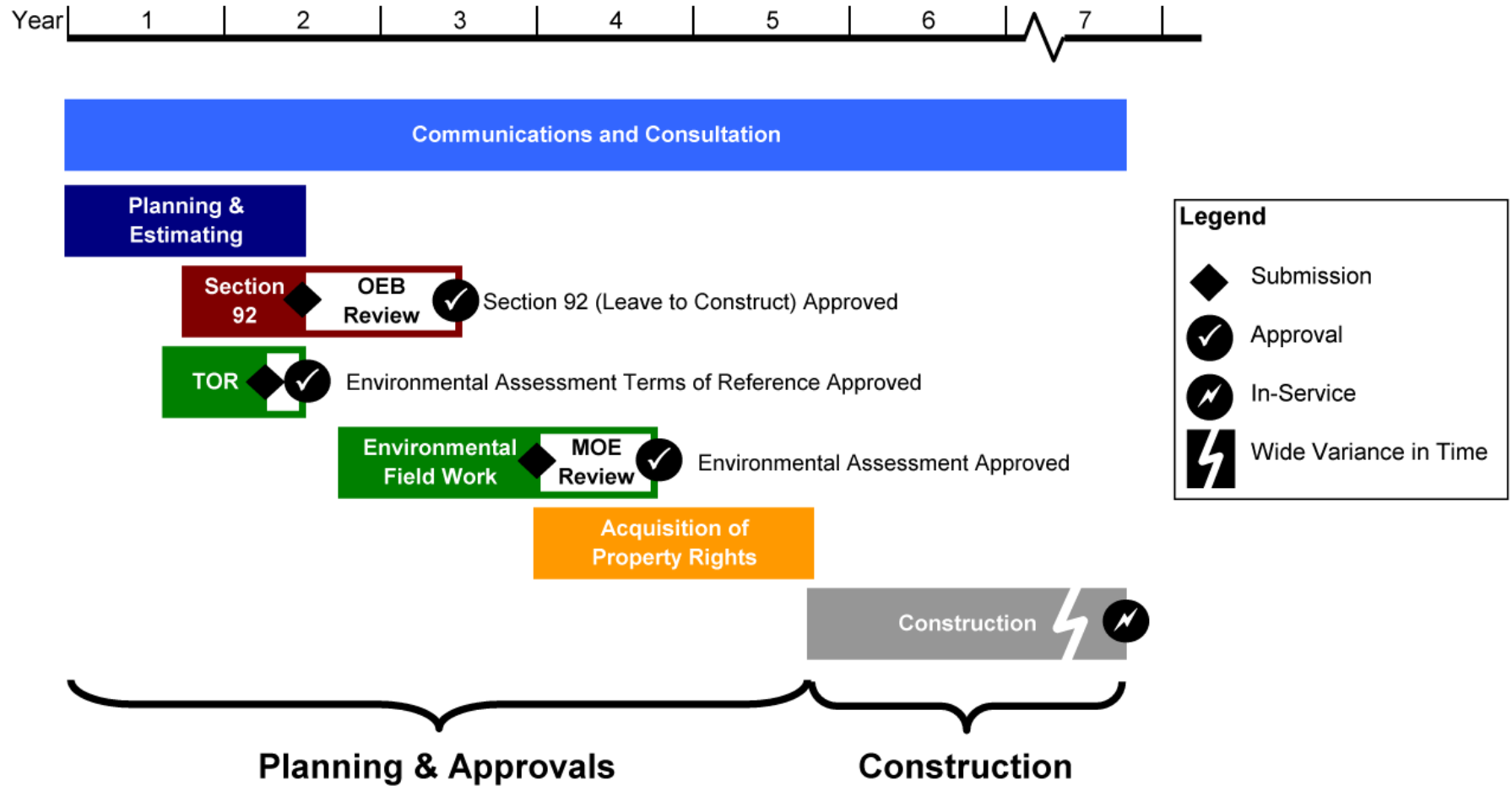
Manitoulin Island Enabler



How long to plan and build new facilities?

Illustrative Timelines for Major Transmission Projects

(Actual timelines will vary for each individual project.)



Next Steps

Start planning & scoping work for four projects	Commenced
Begin pre-consultations with First Nations and Métis	January 2010
Begin consultations with First Nations and Métis	Spring 2010
Begin public information centres	Spring 2010
Submit EA Terms of Reference to the Ministry of the Environment (MoE) for approval	Commencing Fall 2010
Submit Section 92 applications to the Ontario Energy Board (OEB) for approval	Commencing Fall 2010