

Long-Term Energy Plan 2017

Outline of Technical Briefing Deck

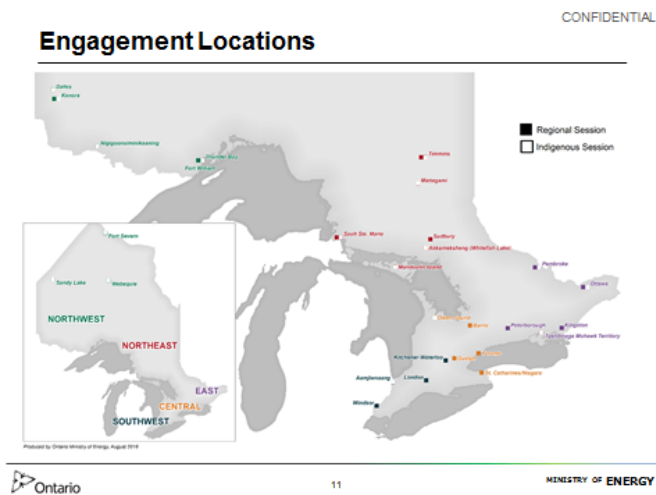
September 29, 2017

Introduction – Three part presentation:

1. LTEP Process
2. Supply, Demand and Modelling Assumptions
3. Initiatives

1. LTEP Process

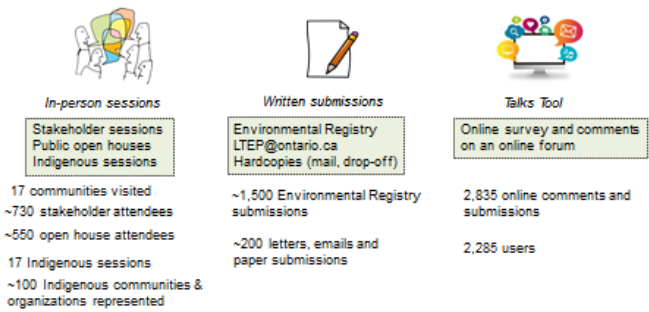
- a. LTEP Framework and Principles (1 slide)
 - Slide that outlines legislative framework and steps in legislative process.
- b. Engagement Feedback Summary (2 slides)



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2. LTEP Engagement Process

- The LTEP engagement process took place from October to January 2017. The process yielded feedback from three channels:



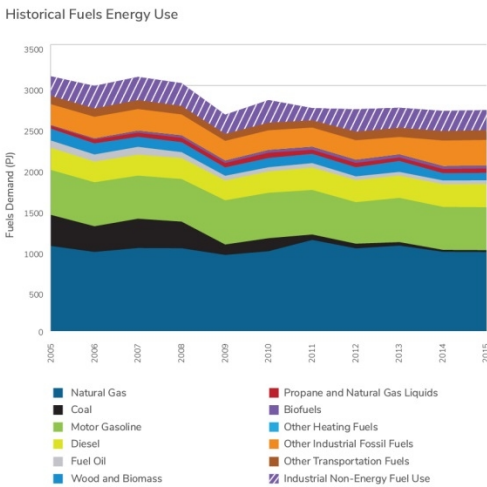
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MINISTRY OF ENERGY

2. Supply, Demand and Modelling Assumptions

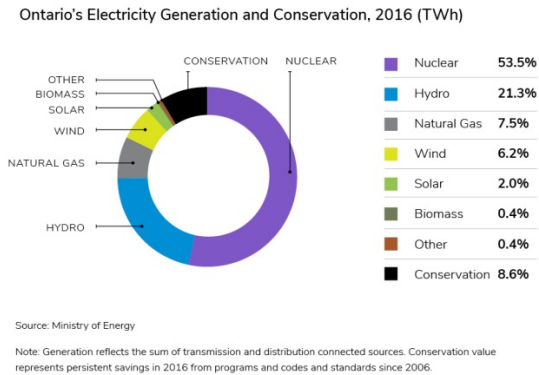
a. Supply and Demand Overview (3 slides)

- Figure 10, Historical Fuels Use

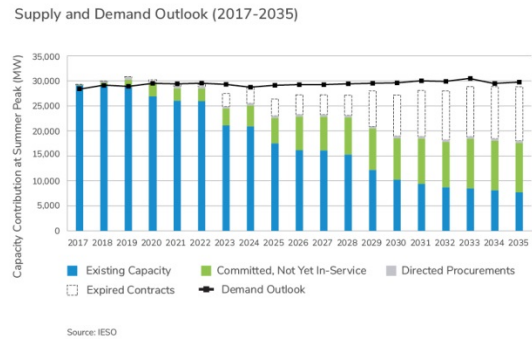


Source: Fuels Technical Report, 2016

- Figure 7, Ontario's Electricity Generation and Conservation Mix, 2016

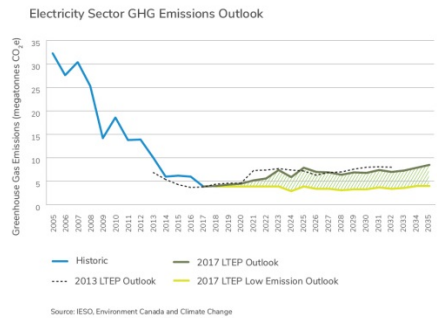


• Figure 8, Integrated Electricity Demand and Supply Outlook



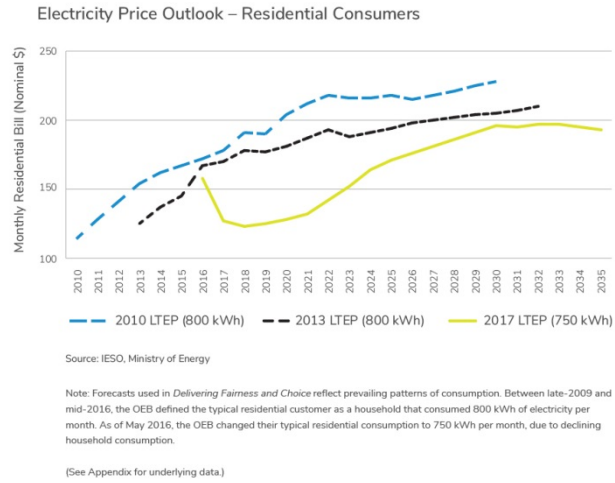
b. GHG Outlook (1 slide)

• Figure 19, Electricity Sector Emissions GHG Outlook

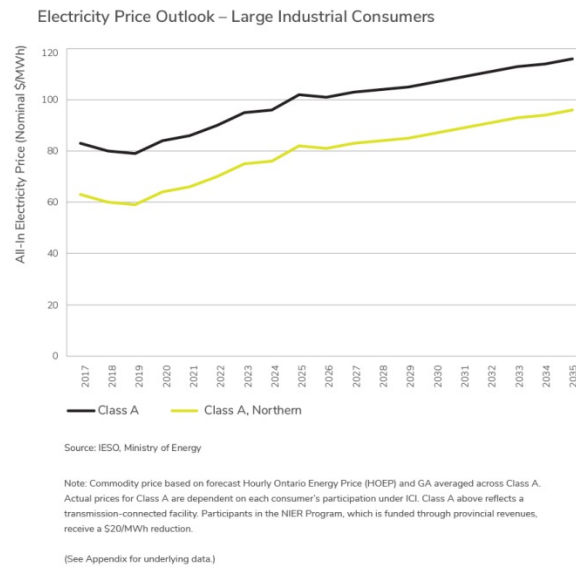


c. Electricity Pricing Outlook (2 slides)

• Figure 5, Residential Electricity Bill Outlook



• Figure 6, Large Industrial Electricity Price Outlook



3. Initiatives

a. Innovation

- Grid Modernisation
- EV integration
- Reduce storage barriers
- Smart Grid Fund
- International Energy Demonstration Fund

- b. Distribution Sector/Regulatory
 - Increased Consumer Protection/ USMPs
 - LDC performance/accountability
 - Bill redesign
 - Renewable distributed generation demonstration
 - Expanding Net Metering, VNM demonstration projects
- c. Energy Conservation and Efficiency
 - In Front of the Meter Conservation
 - CHP no longer being eligible for conservation funding
 - Demand Response part of market renewal
 - Green Ontario Fund coordination
 - Green Button province wide
- d. Transmission
 - Reliability
 - Competitive selection of transmitters
 - Bulk planning
 - Regional Planning Review
 - Preserving Transmission Corridors
- e. Supporting Indigenous Capacity and Leadership
 - Ongoing Feedback / Engagement
 - Improve Indigenous Conservation Programs
 - Evolve Indigenous Support Programs
- f. Responding to Climate Change
 - Renewable natural gas
 - Hydrogen Pilot Project
 - Electrification of Transportation
 - Climate Change Adaptation
 - CCAP Linkage