DRAFT FOR DISCUSSION

Outline of Proposed 2017 LTEP Modules *(IESO input pending)*

September 25, 2017

Purpose:

To provide readers with all of the figures and data tables contained in the 2017 Long-Term Energy Plan, as well as the electricity sector assumptions and analysis underpinning the facts and figures used in the development of the Plan.

Legislated Requirement:

Per S. 25.29 (7) of the *Electricity Act, 1998* on issuing the LTEP, the Ministry will also post or publish any other information, such as key data and cost projections, used in the development of the long-term energy plan that the Minister determines should be made publicly available.

Proposed Format for each Module:

i. Deck containing figures and tables describing the assumptions and analysis, as well as any figures (PDF); and
ii. Excel workbook containing the underlying data used in the LTEP document and deck (XLS).

Studies to be released:

- In addition to the modules, the following studies are to be released: Considerations for Deploying In-Front-of-the-Meter Conservation Technologies in Ontario, Navigant Consulting
- Renewable Energy Market Assessment Report, Compass Renewable Energy Consulting Inc.
- Green Button Cost-Benefit Analysis Report, Dunsky Energy Consulting (TBC)
- Green Button Consultation Report, Dunsky Energy Consulting (TBC)
- Essex Storage study (TBC)

Proposed List of Modules

Module #	Title
0	Consolidated list of figures and data tables in LTEP
1	Demand
2	Conservation
3	Supply
4	Costs (System costs, bills)
5	Emissions

Work Plan (TBD after meeting with the IESO)

- XX
- October X: Publication of 2017 LTEP
- XX
- XX
- Week of November X to X: Publication of 2017 LTEP Modules

Proposed Module 0 – Consolidated List of Figures and Tables

Figure #	Figure Title	Lead (TBD)	Data Table?
1	2003 Total Generation By Emitting and Non-Emitting Sources (TWh)	ENE	Y
2	2016 Total Generation By Emitting and Non-Emitting Sources (TWh)	ENE	Y
3	OESP Monthly Credit Amounts by Household Income Level	ENE	Y
4	OESP Monthly Credit Amounts by Household Income Level – Energy Intensive	ENE	Y
5	Electricity Price Outlook – Residential Consumers	ENE	Y
6	Electricity Price Outlook – Large Industrial Consumers	ENE	Y
7	Electricity Supply Mix	ENE	Y
8	Supply and Demand Outlook (2017-2035)	ENE	Y
9	Major Transmission Projects Under Development Across Ontario	ENE	N
10	Historical Fuels Energy Use	ENE	Y
11	Nuclear Refurbishment Schedule	ENE	Y
12	Customer of Tomorrow	ENE	N
13	How Net Metering Works	ENE	N
14	Residential Net-Metering with 4 kW Rooftop Solar PV	ENE	Y
15	Distribution Grid Modernization	ENE	N
16	Future Transmission Corridor in the West GTA	ENE	N
17	Green Button Connect My Data	ENE	N
18	Ontario's Clean Generation Mix	ENE	Y
19	Electricity Sector GHG Emissions Outlook	ENE	Y
20	Reducing Diesel Generation in Remote First Nation Communities	ENE	N
21	Regional Highlights	ENE	N

Note: Modules 1- 6 focus on the electricity sector only. The public Fuels Technical Report continues to be a source for underlying information on the fuels sector.

Proposed Module 1 – Electricity Demand

Figure #	Figure Title	Lead (TBC)	Data Table?
1	Annual net electricity demand forecast		
2	Annual net summer and winter peak demand forecast		
3	Breakdown of electricity demand by sector		
4	Breakdown of electricity demand by end-use		
5	Related Assumptions (e.g. economic, growth, electrification)		
…	[Placeholder for any other figures and data]		

Proposed Module 2 – Electricity Conservation

Figure #	Figure Title	Lead (TBC)	Data Table?
1	Breakdown of electricity savings achieved since 2006		
2	Forecast of electricity savings form conservation programs and codes and standards till 2035		
3	Forecast of electricity savings related to the Conservation First Framework and the Industrial Accelerator Program		
4	Current demand response capacity		
5	Related assumptions (e.g. achievable potential, cost effectiveness etc.)		
…	[Placeholder for any other figures and data]		

Proposed Module 3 – Electricity Supply

Figure #	Figure Title	Lead (TBC)	Data Table?
1	Supply by fuel type		
2	Electricity imports/exports by jurisdiction		
3	Supply & Demand Outlook (2017-2035)		
….	[Placeholder for any other figures and data]		

Proposed Module 4 – Transmission and Distribution

Figure #	Figure Title	Lead (TBC)	Data Table?
1	Transmission		
2	Distribution including SGF activities, SGF investment map, key findings from commissioned studies etc.		
…	[Placeholder for any other figures and data]		

Proposed Module 5 – Electricity Cost

Figure #	Figure Title	Lead (TBC)	Data Table?
1	Electricity Price Forecast (Residential, Large Industrial)		
2	Ontario's Fair Hydro Plan – [ESP to add details of what would be included in this section]		
3	Total cost of electricity service by component and year		
4	Unit cost by resource		
…	[Placeholder for any other figures and data]		

Proposed Module 6 – Electricity Emissions

Figure #	Figure Title	Lead (TBC)	Data Table?
1	Emissions Outlook (2017-2035)		
…	[Placeholder for any other figures and data]		