

PRIORITIES FOR ONTARIO'S ELECTRICITY SECTOR

Roundtable Discussion with Stakeholder
Advisory Committee

February 21, 2018

IESO Business Planning Process

- Seek priorities from members of Stakeholder Advisory Committee and other stakeholders for Ontario's electricity sector
 - IESO considers this input into its business planning process to ensure that the initiatives that are identified by the IESO are in line with stakeholder needs
 - Future meetings of SAC will discuss how the IESO has considered this input into the initiatives proposed in its draft business plan for 2019 to 2020
- The IESO will publish the priorities heard at the February 21 SAC meeting and respond to how priorities were considered through this year's business planning process

IESO's Considerations for 2019 to 2020 Business Planning Period

The IESO works at the heart of Ontario's power system. The IESO delivers key services across the electricity sector including: managing the power system in real-time, planning for the province's future energy needs, enabling conservation and designing a more efficient electricity marketplace to support sector evolution.

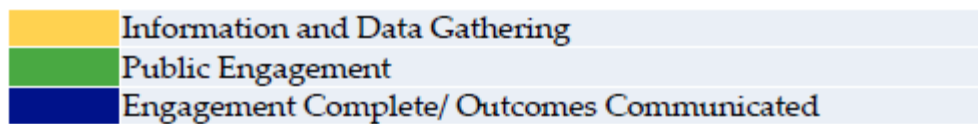
- In addition to its mandate, the IESO will consider initiatives among the following main themes:
 - Market Renewal Program
 - Implementation of Long Term Energy Plan Ministerial Directives
 - Policy and Innovation
 - Conservation and Climate Change
 - Engagement
 - Enhancing value of smart meter data
 - Cyber Security Leadership
- Discussion questions are included to assist SAC members and their constituents to provide their priorities for the IESO

Market Renewal Program

- 2018
 - Development of the high level designs continue for the different projects: single schedule market (SSM), day ahead market (DAM), enhanced real-time unit commitment (ERUC), incremental capacity auction (ICA)
 - Detailed program planning continues in preparation for the business case and implementation activities
- 2019:
 - Detail design activities commence
 - Continued focus on integration of the four projects
 - Implementation activities begin

LTEP Implementation Directives

	Q4 2017	Q1 2018	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Q2 2019	Q3 2019	Q4 2019
1.1 First Nations/Métis Energy Support Programs	Green	Green	Blue						
1.2 First Nations/Métis Conservation Programs	Green	Green	Blue						
2.1 Renewable Distributed Generation Demo Program	Yellow	Yellow	Green	Blue	Blue	Blue			
2.2 Energy Storage Obstacles	Yellow	Green	Green	Green	Blue				
2.3 Hydrogen Electricity System Benefits	Yellow	Yellow	Green	Green	Blue	Light Green			
3.1 Bulk System Planning Process		Yellow	Yellow	Green	Green	Green	Green	Blue	
3.1 End-of-life Transmission Assets		Yellow	Green	Blue	Light Green	Light Green	Light Green		
3.2 Transmission Procurement Process	Yellow	Yellow	Green	Green	Green	Green	Green	Blue	
3.3 Regional Planning Process		Yellow	Yellow	Green	Green	Green	Green	Green	Blue
3.4 Customer Reliability		Yellow	Yellow	Green	Green	Green	Blue		



Additional activities include:

- In Front of the Meter Conservation projects (IFMC) – commenced Q1 2018
- Phase out incentives for Combined Heat and Power (CHP) projects that use fossil fuels – completed by July 2018

Policy and Innovation

- Innovation strategy by Q4 2018
- Work with stakeholders to identify priorities, process and focus required to integrate innovation technologies and processes into the IESO-administered electricity market.
- Continue to engage Stakeholders through SAC and other processes to identify needed policy development/enhancements

Conservation and Climate Change

- Continue to work with LDCs, customers and others to enable progress on meeting targets associated with Conservation Frameworks
- Support the Ministry of Energy in exploring opportunities for new conservation framework post 2020
- Continue to seek opportunities for integration of climate change programs with conservation

Engagement

- Engagement Strategy developed in 2018
- Implement engagement strategy in 2019 to address ways to:
 - Increase stakeholder and community satisfaction rates
 - Expand tools and processes to engage in a more targeted, purposeful manner

Enhancing Value of Smart Meter Data

- Third party access implementation plan will be completed in 2018
- Launch operations and manage data requests
- Continue to explore value and opportunities from data
 - Exploring partnerships to collaborate among other industries
 - Opportunities to link various data sets

Cyber Security Leadership

- Work with OEB to meet needs of the Cyber Security Framework
- Expand scope of Cybersecurity Forum
- Establish sound internal cyber governance
- Encourage strong sector cyber resiliency practices
- Continue to develop and publish best practice guides

Discussion Questions

- Following are questions to help SAC members and their constituents identify these priorities
 - *What are the priorities for the sector that should be considered by the IESO in their 2019 to 2021 business plan?*
 - *What role can the IESO play to help to address these priorities?*
 - *What do you or your sector think the IESO's top priorities should be?*
 - *How should the SAC be engaged in moving forward on priorities? In general, or within specific initiatives.*
 - *What are the priorities that the IESO might consider for the longer term – i.e. beyond the 2021 business planning period?*