

# IESO'S PROPOSED LTEP IMPLEMENTATION PLAN

Presentation to the Stakeholder Advisory  
Committee

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February 21, 2018

# Context

- The government's Long-Term Energy Plan (LTEP) was released on October 26, 2017 along with two directives to the IESO for the completion of an LTEP Implementation Plan by January 31, 2018
- The IESO delivered its Implementation Plan, *Putting Ontario's Long-Term Energy Plan Into Action*, informed by public engagement, to the Minister on January 31, 2018
- The Implementation Plan outlines the objective and scope of each of the directed initiatives to enable LTEP policy objectives, and provides key implementation milestones; it also provides an update on actions taken to address the amending direction received on October 26
- Directive deliverables are estimated to be completed by Q4 2019

# Development of the Plan – Engagement Approach

- The IESO engaged with First Nations and Métis, customers, communities and stakeholders through multiple channels in the development of the plan
  - The IESO discussed the implementation plan with First Nation communities at four First Nation Forums across the province and with the Aboriginal Energy Working Group
- Approximately 100 people attended the public webinar, and formal feedback submissions were received from 16 parties (available on the IESO website)
  - Represented groups included LDCs, generators, associations, First Nations, municipalities and consumers
- The Implementation Plan was also discussed with the IESO's Stakeholder Advisory Committee and Aboriginal Energy Working Group, as well as at the Indigenous Community Energy Symposium and the IESO Regional Forums held across Ontario

# What We Heard – High Level Feedback

- Several parties noted appreciation for the engagement process and commented that the relative scope and timeline of the initiatives is generally appropriate
- High level areas of interest included:
  - Impact of climate change
  - Energy efficiency
  - Demonstration projects
  - Sharing learnings and projects with the IESO
- Several linkages were raised:
  - Coordination with the Ontario Energy Board (OEB) in all relevant directive initiatives
  - Coordination with non-IESO initiatives, such as the Climate Change Action Plan, Green Ontario Fund and others
  - Coordination with other existing IESO engagements and initiatives, such as the Market Renewal Working Group, Non-Emitting Resources Sub-Committee and an IESO innovation strategy to be developed by the end of the year

# What We Heard – Project Specific Feedback

## Overview

- Engagement feedback provided the IESO with several points that changed the proposed scope of activities and the timelines for implementation
- Some of the feedback will also be considered during the engagement/implementation phase for the directive initiatives
- The IESO's response to feedback and how it was used to help shape the plan will be posted to the IESO website once the Implementation Plan has been approved by the Minister of Energy

## First Nation and Métis Energy Support Programs

- Expand scope to include exploration of storage solutions; provide information about combined renewable and energy storage so communities can make informed decisions
- Provide capacity funding to remote First Nations to undertake feasibility and pre-development assessments of small renewable energy opportunities

## First Nation and Métis Conservation Programs

- This initiative was underway prior to the engagement on the LTEP Implementation Plan, therefore feedback on the scope and deliverables had been previously received

# What We Heard – Project Specific Feedback (cont'd)

## Renewable Distributed Generation Demonstration Projects

- Require engineering assessments before funding is approved for demonstration projects
- Utilize renewable natural gas projects in behind-the-meter combined heat and power applications
- Consider that advances in waterpower mean that innovation shouldn't mean new technology
- Questions were asked with respect to program design and criteria for qualifying local and/or bulk system projects, and how the IESO can address surplus generation within this particular initiative

## Energy Storage

- Investigate barriers and issues with respect to storage
- Publish a report as to how energy storage can participate in the wholesale market
- Conduct research on storage capability in periods of high supply to be used in periods of high demand

## Power-to-Gas Pilot Projects

- Investigate existing renewable natural gas projects and engage where applicable
- Utilize energy research centres and include a valuation tool for hydrogen opportunities
- Determine how the IESO can address surplus generation in Ontario with this initiative

# What We Heard – Project Specific Feedback (cont'd)

## Bulk System Planning Process/Transmission Assets at End-of-Life

- Analyze and remove regulatory barriers to encourage an innovative sector
- Include specific consideration for waterpower to ensure strategic alignment in planning and development
- Review how bulk system planning is currently carried out and best practices
- Explore needs, solutions and mechanisms for implementation

## Regional Planning Process

- Collaborate to inform stakeholder capacity building and plan development
- Prioritize non-wires solutions to account for the wide ranging benefits, including cost savings
- Include new generation opportunities

## Transmission Procurement Process

- Consider northern hydro in the development of the process

## Customer Reliability

- New activities were recommended for the scope of the directive initiatives

# Current Engagements

- Currently there are two open engagements for directive initiatives
- Indigenous Conservation Programming Report
  - Input was gathered from a survey, discussions and meetings with First Nations communities
  - A public webinar was held on December 19, 2017 to provide input on the development on the report
  - The report, as well as a response to feedback will be published in Q1 2018
- Indigenous Energy Support Programs
  - Input was gathered from a survey, discussions and meetings with First Nations communities and the Aboriginal Energy Working Group
  - A public webinar is scheduled for February 22 to review a summary of engagements with Indigenous community representatives and to gather input to inform recommendations to better align programs with community needs and interests
  - In Q1, 2018, options will be proposed to improve energy support programs



# Next Steps: Project-Level Engagements

- Detailed engagement plans will be developed for each directive initiative (with the exception of the engagements noted on the previous slide)
  - Plans will include specific activities, timelines, forums, methods, etc.
  - Detailed engagement plans will be available, consistent with the timelines established in the Implementation Plan, with the consideration of stakeholder and community feedback
- All engagement activities will be communicated through the IESO Weekly Bulletin and IESO website
- The response to each initiative will include a public engagement component in adherence with IESO Engagement Principles