IESO Engagement Update – June 15, 2021

This engagement update provides a snapshot of all active IESO engagement activities. It also helps support a greater understanding of linkages between engagements, and a foundation for more comprehensive and integrated updates. For the most recent information, visit the individual engagement links or the **Active Engagements** webpage.

New Engagements and Forward-Looking Schedule



The anticipated launch and timing for new engagements are presented below. This information will be shared in each update moving forward so that early input from stakeholders can help plan and prioritize IESO's engagements.

Cost Recovery for Integrating System Changes

This engagement will seek input from stakeholders on how to recover costs from customers for requested services performed by the IESO and the proposed phase-in strategy. The initiative will seek to bring greater alignment between the costs of the service and the customer initiating the request, as opposed to recovering these costs volumetrically from all consumers.

Anticipated Start of Engagement: July, 2021

Distributed Energy Resources (DER) Roadmap

The IESO is seeking feedback on the development of a roadmap to set out approaches and expected timing for enhancing DER participation in the IESO-administered markets for the products/services they are technically capable of providing. *Launching:* June 22, 2021

Industrial Energy Efficiency Program

As part of the 2021-2024 Conservation Demand Management Framework, the IESO plans to launch a new program for large industrial consumers. The IESO will seek input from stakeholders to inform program design and eligibility requirements. *Launching:* June 23, 2021



Forecasting and Planning

Engagements to support provincial and regional electricity planning over the next 20 years.

Active Engagement

Current Status

Next Steps

Formalizing the Integrated Bulk System Planning Process

The IESO is seeking feedback on the design of a formal, integrated bulk system planning process.

Engagement Lead: Colin Campbell Related Active Engagements:

- <u>Development of an IESO</u>
 <u>Competitive Transmission</u>
 <u>Procurement Process</u>
- Market Renewal Program (MRP)
 Detailed Design
- Resource Adequacy
- Transmission Losses

- On Feb 22, the IESO held a webinar to present an overview of the high-level design of proposed changes to bulk system planning and seek stakeholder feedback on the process
- IESO posted a response to feedback from the Feb 22 webinar
- Second engagement on the final high-level design and process detail will take place in Q3/Q4 2021

Gas Phase-Out Impact Assessment

The future of gas generation in Ontario has become a focus of discussion for a number of municipalities, raising questions and concerns from stakeholders about the challenges and opportunities these discussions have raised. This engagement will allow stakeholders to provide feedback on the scope of an assessment that outlines the implications of lowering emissions by reducing the reliance on natural gas generation.

Engagement Lead: **Agatha Pyrka** Related Active Engagements:

- This new engagement launched on April 29 and the first meeting will be held on June 24
- The engagement plan, presentation and stakeholder feedback form for this meeting are posted on the engagement webpage
- Review feedback on the engagement plan
- Review stakeholder feedback and the draft IESO response document
- Feedback is due by June
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Active Engagement

Current Status

Next Steps

Regional Planning – Northwest

Regional electricity planning is underway in this region.

Engagement Lead: Susan Harrison Related Active Engagements:

- Formalizing the Integrated Bulk System Planning Process
- Resource Adequacy
- Engagement on the development of an Integrated Regional Resource Plan (IRRP) commenced with a webinar on May 20 which provided an overview of the regional planning process and invited input into the draft engagement plan and input to inform the electricity demand forecast for the region
- Feedback was due by June 9

 The IESO will respond to feedback and provide next steps in the coming weeks

Regional Planning - Ottawa Area Sub-Region

Regional electricity planning is underway in this region.

Engagement Lead: Amanda Flude
Related Active Engagements:

- Formalizing the Integrated Bulk System Planning Process
- Gas Phase-Out Impact Assessment
- <u>Regional Planning Peterborough</u> to Kingston

- An Integrated Regional Resource
 Plan (IRRP) was completed in Feb
 2020 for this sub-region
- The plan recommended additional studies to address the identified needs that extend beyond the 20year IRRP outlook
- Communications and outreach are targeted for late Q2/early Q3 2021
- Study completion is expected in Q3 2021

Regional Planning – Peel/Halton Region (GTA West)

Regional electricity planning is underway in this region.

Engagement Lead: Amanda Flude Related Active Engagements:

- Formalizing the Integrated Bulk System Planning Process
- NW GTA Transmission Corridor Study
- In the final stages of drafting the Integrated Regional Resource Plan (IRRP) for this region
- A final webinar was held on May 6 to seek input on the draft IRRP recommendations
- Response to feedback will be posted shortly
- The final IRRP is anticipated to be posted by the end of Q2 2021

Regional Planning — Peterborough to Kingston

Regional electricity planning is underway in this region.

Engagement Lead: Amanda Flude Related Active Engagements:

- DER Roadmap
- Formalizing the Integrated Bulk System Planning Process
- A webinar was held on March 25 to seek feedback on the draft engagement plan and the demand forecast for the region
- Feedback has been posted along with the final engagement plan and response to feedback document
- Engagement webinar expected in July to seek input on potential options to meet needs

Active Engagement

Current Status

Next Steps

Regional Planning - South Georgian Bay/Muskoka

Regional electricity planning is underway in this region.

Engagement Lead: Amanda Flude Related Active Engagements:

- DER Roadmap
- Formalizing the Integrated Bulk System Planning Process
- The final Scoping Assessment
 Report was published on Nov 30
 and recommended the development
 of Integrated Regional Resource
 Plans (IRRPs) for two sub-regions Barrie/Innisfil and Parry Sound/
 Muskoka
- Engagement on the two sub-region IRRPs will commence in Q3 2021

Regional Planning – Southern Huron-Perth (Greater Bruce Huron)

Regional electricity planning is underway in this region.

Engagement Lead: Rouselle Gratela Related Active Engagements:

- DER Roadmap
- Formalizing the Integrated Bulk System Planning Process
- A second webinar is expected in Q3 2021 to provide an overview of the range of potential solutions to meet future electricity needs and seek input on the proposed recommendations for the Integrated Regional Resource Plan (IRRP)
- The final IRRP is working towards completion for O3 2021

Regional Planning – Toronto Addendum

Regional electricity planning.

Engagement Lead: Susan Harrison

Related Active Engagements:

Formalizing the Integrated Bulk
 System Planning Process

- The IESO, along with Toronto
 Hydro and Hydro One, has
 commenced work on an Integrated
 Regional Resource Plan (IRRP)

 Addendum for the Toronto region
- This work will study the timing of the recommendation to reinstate the Richview x Manby corridor – taking into consideration energy efficiency and other changing electricity needs in the region
- Outreach will be planned with key stakeholders in the area
- A communication will follow in late Q2/early Q3 2021 when details of the study are available

Active Engagement

Current Status

Next Steps

Regional Planning – Windsor-Essex

Regional electricity planning is underway in this region.

Engagement Lead: Rouselle Gratela Related Active Engagements:

- DER Roadmap
- Formalizing the Integrated Bulk System Planning Process
- Gas Phase-Out Impact Assessment

- An IRRP Addendum study is underway to address electricity infrastructure needs that emerged in the area
- Feedback was received and responded to inform the next stage of this study
- A second webinar will be held in mid-July to provide an overview of, and seek input on, draft recommendations
- The webinar will also provide an opportunity for feedback on the next steps in the West of London bulk system study currently underway

Transmission Losses

This engagement will review IESO and Hydro One's practices on how transmission losses are considered in planning and operation of the system, a comparison of these practices to those used in other jurisdictions, and seek stakeholder feedback on potential improvements to these practices.

Engagement Lead: Jordan Penic Related Active Engagements:

Formalizing the Integrated Bulk
 System Planning Process

- The IESO has posted a document to the engagement webpage that summarizes the feedback received following the Sept 30 webinar and provides the IESO's response to feedback
 - The IESO is currently developing draft transmission losses guideline document(s) that will be shared with stakeholders for review and feedback in advance of the next engagement webinar
 - The IESO expects to share these guideline documents in Q2 2021, at which point, future engagement activities and timelines will be communicated to stakeholders

Resource Acquisition

Engagements to ensure we have the tools and processes to acquire the resources we need to maintain a reliable and efficient system.

Active Engagement

Current Status

Next Steps

Development of an IESO Competitive Transmission Procurement Process

The IESO is seeking feedback to aid in the development of a competitive transmission procurement process.

Engagement Lead: TBD

Related Active Engagements:

Formalizing the Integrated Bulk
 System Planning Process

 This engagement was put on hold and IESO is currently determining the next steps associated with this initiative

Enabling Resources Program

The IESO is seeking feedback on the development of an integrated plan that will outline the sequencing, timing and scope of activities to be undertaken by the IESO to enable existing resources to provide electricity system services in the renewed Ontario wholesale market that they cannot, or cannot fully, currently provide.

Engagement Lead: Colin Campbell Related Active Engagements:

- DER Roadmap
- <u>Distributed Energy Resources</u>
 <u>Survey</u>
- Hybrid Integration Project
- Innovation and Sector Evolution
 White Paper Series
- Resource Adequacy

- On April 21, the IESO held a webinar to share the highest priority projects and timing needs and seek feedback on the draft conclusions
- received on the April webinar materials and the IESO is currently reviewing and developing responses to this feedback
- The IESO will post a document to the engagement webpage that summarizes the feedback received following the April webinar and provides IESO's response to feedback

Current Status

Next Steps

Hybrid Integration Project

The IESO is seeking feedback on the development of participation model(s) to enable hybrid resources in the IESO-administered markets and have the capability to support Ontario's future system needs. The changes will be implemented after the implementation of the Market Renewal Project.

Engagement Lead: Colin Campbell Related Active Engagements:

- DER Roadmap
- Enabling Resources Program
- <u>Innovation and Sector Evolution</u>
 White Paper Series

- On April 21, the IESO held a webinar to share and seek feedback on the proposed schedule and scope of activities and draft definitions for colocated and hybrid facilities
- The IESO has posted a document to the engagement webpage that summarizes feedback received following the April 21 webinar and provides the IESO's response to feedback
- The second engagement webinar will take place on June 23

Resource Adequacy

The IESO is engaging stakeholders to further develop a long-term competitive strategy to meet Ontario's resource adequacy needs reliably and cost-effectively while recognizing the unique needs of different resources.

Engagement Lead: Dale Fitzgerald Related Active Engagements:

- Enabling Resources Program
- Formalizing the Integrated Bulk System Planning Process
- focus on presenting and discussing the final scope and next steps for the HDR baseline methodology review. An update on the 2021 Annual Acquisition Report will also be provided
- A document that summarizes feedback submitted following the April 22 webinar and the IESO's responses has been posted on the engagement webpage in the May 13, 2021 row of the Schedule of Activities
- Feedback on the May 28
 materials, including on the
 Resource Adequacy
 Information Guide,
 Forward Guidance and
 Minimum Target
 Threshold, Transition to
 Qualified Capacity/UCAP
 and UCAP ResourceSpecific Meetings, are due
 by June 18

Operations

Engagements to ensure that Ontario's electricity resources are operating reliably within the IESO-administered market, while also undertaking continuous market improvements.

Active Engagement

Current Status

Next Steps

<u>Distributed Energy Resources (DER)</u> Roadmap *new

The IESO is seeking feedback on the development of a roadmap to set out approaches and expected timing for enhancing DER participation in the IESO-administered markets for the products/services they are technically capable of providing.

Engagement Lead: Colin Campbell Related Active Engagements:

- Enabling Resources Program
- Hybrid Integration Project
- <u>IESO York Region Non-Wires Alternatives</u>
 <u>Demonstration Project</u>
- Resource Adequacy

- The first meeting for this new engagement will be held on June 22
- The engagement plan, presentation and stakeholder feedback form for this meeting are posted on the engagement webpage
- Review feedback on the engagement plan
- Review stakeholder feedback and the draft IESO response document
- Feedback on the June
 22 webinar materials
 will be due by July 14

Improving Accessibility of Operating Reserve

The IESO is seeking feedback on an issue related to the Operating Reserve (OR), whereby the amount of OR scheduled is not fully accessible.

Engagement Lead: Jordan Penic Related Active Engagements:

N/A

- Feedback on the May 28 webinar materials will be due by June 18
- Pending feedback on the proposed draft market rules and manual amendments, the IESO will present to the Technical Panel at the meeting following the May 28 webinar

Improving Awareness of System Operating Conditions

The IESO informs stakeholders of system operating conditions through advisory notices and operating states. This engagement will review what the IESO communicates to stakeholders through these channels with the goal being to improve awareness of system operating conditions.

Engagement Lead: **Agatha Pyrka** Related Active Engagements:

- The IESO response to stakeholder feedback document has been posted
- The next engagement meeting will be held in July

<u>Market Renewal Program (MRP) Detailed</u> **Design**

The Detailed Design of the Market Renewal Program will create the detailed documents for the renewed market, building upon the high-level design. The Market Renewal Program as a whole will improve the way electricity is priced and scheduled in order to meet Ontario's energy needs reliably, transparently and efficiently.

Engagement Lead: Karlyn Mibus Related Active Engagements:

- Formalizing the Integrated Bulk System Planning Process
- Market Renewal Program (MRP)
 Implementation

- Final versions of the detailed design have been posted, and the discussion with stakeholders will carry over into the implementation phase
- A final version of the Settlements Disagreements and Resettlements design update has been posted and will be discussed with stakeholders on June 24
- Feedback on the June 24 webinar is due on July 15

Market Renewal Program (MRP) Implementation

The Implementation phase of the Market Renewal Program will begin by codifying the design into the Market Rules and Market Manuals, and then proceed onto creating tools, testing, training and readiness for bringing the renewed market to life.

Engagement Lead: Karlyn Mibus Related Active Engagements:

 Market Renewal Program (MRP) Detailed <u>Design</u>

- The IESO presented its approach and rationale for the Independent Review Process for Market Power Mitigation in May
- The first meeting of the Technical Advisory Group will be held on June 18
- An overview of how the IESO will transparently engage with stakeholders on solutions for practical issues that arise when implementing aspects of the detailed design will be presented on June 24
- one-on-one consultations to determine reference levels and reference quantities are continuing
- The Independent
 Review Process will be
 documented in the
 Market Power
 Mitigation batch of
 draft market rules and
 market manuals.
 Stakeholder
 engagement on that
 batch will begin in
 September
- Feedback on the June24 webinar is due onJuly 15

Options to Address Uninsured Liability Risk

The IESO is seeking feedback from stakeholders on options to address its uninsured liability risk. The IESO was unable to replace its errors and omissions insurance coverage and is proposing two options to address its uninsured risk.

Engagement Lead: **Agatha Pyrka**Related Active Engagements:

N/A

- The IESO Board of Directors adopted the market rule amendment proposal and the amendment took effect on May 3, 2021
- At the request of Technical Panel members, the future availability of errors and omissions insurance will be reviewed periodically and this has now been included as a standing action item as part of the Technical Panel meeting minutes

This engagement will conclude with the development of an engagement summary report

Transmission Rights Market Review

The IESO is seeking feedback to determine what changes may be required to maximize the efficiency of the Transmission Rights (TR) market and to ensure that the TR market is aligned and compatible with the renewed energy market in the future.

Engagement Lead: Dale Fitzgerald Related Active Engagements:

 Market Renewal Program (MRP) Detailed Design

- The IESO has posted a document summarizing the feedback submitted following the March 23 webinar along the IESO's response
- The IESO is in the process of developing the TR Market Review Final Report, which will summarize findings and outcomes from discussions with stakeholders throughout this engagement
- The Final Report is expected to be posted by the end of June, following which the IESO will communicate details regarding the conclusion of this engagement

<u>Updates to IESO Monitoring</u> <u>Requirements: Phasor Data</u>

The IESO is seeking feedback on proposed updates to Appendices 4.15/4.16 to enable generators and transmitters to install phasor technology infrastructure and provide phasor data to the IESO.

Engagement Lead: Colin Campbell Related Active Engagements:

- stakeholder feedback from the Nov 19 webinar and shared a revised timeline for the engagement
- A webinar will be scheduled for Q3 2021 to present updates to the draft Market Rule amendments and associated Market Manual revision
- The draft Market Rules will be presented to the Technical Panel in Q3/4 2021

Sector Evolution

Engagements that look to the future to see how innovation, new technologies and new collaborations can improve how we conduct our business.

Active Engagement

Current Status

Next Steps

Distributed Energy Resources Survey

The IESO is conducting a stakeholder engagement on behalf of the Ministry of Energy, Northern Development and Mines to better understand the role Distributed Energy Resources (DER) play in the Industrial Conservation Initiative (ICI) and the DER capacity available in Ontario. Engagement Lead: Colin Campbell Related Active Engagements:

Innovation and Sector Evolution
 White Papers

- A voluntary survey was held until Sept 28 with Industrial Conservation Initiative (ICI) participants, as well as energy services companies serving these customers
- Confidential follow-up discussions were also held with stakeholders in one-on-one and small group settings in early Oct
- The survey findings were provided to the Ministry in Q4 2020

 Further engagement steps to be determined

Energy Efficiency Opportunities for Grid-Connected First Nation Communities

The IESO is seeking feedback from communities to help inform the design of future energy efficiency programs for First • Nation communities in Ontario.

Engagement Lead: Colin Campbell Related Active Engagements:

N/A

- A second engagement meeting occurred on Nov 20 where the IESO discussed the feedback received, and presented the draft program proposal
- Two feedback submissions were received and have been posted to the engagement webpage, along with the IESO's response to this feedback
- The IESO will present the final program offering to communities in July, and explain how to apply and participate
- The program is planned to launch in Q3 2021

<u>Industrial Energy Efficiency Program</u>

*new

The 2021-2024 Conservation Demand Management (CDM) Framework will include a new customer focused program in 2022 for large transmission and distribution connected industrial consumers. The program is anticipated to enable large industrial consumers to specify funding needed to meet capital hurdles, or other business case requirements for large complex projects. Engagement Lead: Agatha Pyrka Related Active Engagements:

- The first meeting for this new engagement will be held on June 23
- The engagement plan, presentation and stakeholder feedback form for this meeting are posted on the engagement webpage
- Review feedback on the engagement plan
- Review stakeholder feedback and the draft IESO response document
- Feedback on the June22 webinar materialswill be due by July 14

Current Status

Next Steps

<u>Innovation and Sector Evolution</u> White Papers

The IESO intends to develop and release a series of white papers to support the creation of a shared, fact-based understanding of emerging opportunities and trends.

Engagement Lead: Colin Campbell Related Active Engagements:

- Distributed Energy Resources Survey
- <u>IESO York Region Non-Wires</u>
 Alternatives Demonstration Project
- The IESO published Part I of Exploring Expanded DER Participation in the IESO- Administered Markets white paper in Oct 2019
- Part II of the Exploring Expanded
 DER Participation in the IESOAdministered Markets white paper
 was presented during the Nov
 Engagement Days
- The IESO has posted a document to the engagement webpage that summarizes stakeholder feedback received following the November 19 webinar and provides the IESO's response to feedback

The final white paper will be posted with revisions in Q3, 2021

<u>IESO York Region Non-Wires</u> <u>Alternatives Demonstration Project</u>

The IESO, with support from Natural Resources Canada, is undertaking a demonstration in York Region to explore market-based approaches to secure energy and capacity services from Distributed Energy Resources (DERs) for local needs.

Engagement Lead: Colin Campbell Related Active Engagements:

• <u>Innovation and Sector Evolution</u> <u>White Papers</u>

- The first local capacity auction took place Nov 18 – 19 2020
- Participant contracts were issued in early Dec 2020
- The first commitment period started on May 1
- Work is beginning to define Phase 2 of this engagement to determine changes in advance of the second local capacity auction

Updates on the Stakeholder Advisory Committee and Technical Panel

Group Current Status Next Steps

Stakeholder Advisory Committee (SAC)

The Committee is a forum for its members to be informed of IESO activities and to provide timely policy advice and feedback both broadly on behalf of the electricity sector and their constituency, directly to the IESO Board and Executive with respect to the IESO's mandate.

Engagement Lead: Jordan Penic

- SAC met on Feb 17 to discuss:
 - IESO's 2021 priorities
 - Enabling ResourceParticipation
 - Stakeholder Survey Results
- Meeting minutes have been posted
- The call for nominations to fill the vacancy in the Energy Related Businesses and Services constituency has closed

 The next public SAC meeting is scheduled for Aug 4

Technical Panel (TP)

The Technical Panel's mandate is to review amendments to the Market Rules for Ontario's electricity market, and as requested, advise the IESO Board of Directors on specific technical issues relating to the operation of the IESO-administered market. *Engagement Lead:* **Agatha Pyrka**

 Technical Panel members voted to provisionally recommend the MRP Market Entry and Prudential Security Batch to the IESO Board

- At the June 29 meeting, discussions will continue on the MRP process; members were asked to think about what other support they may require for the remaining MRP batches
- The Capacity Auction has proposed minor administrative type changes that will lead to market rule amendments.
 These changes were identified as part of the Resource Adequacy engagement and both the education session and vote to post will occur in June
- Education items on Improving Accessibility of Operating Reserve as well as an omnibus package will also be presented during the June meeting