

IESO Engagement Update – April 8, 2022

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 refreshed [Engagement Initiatives](#) webpage.**



New Engagements and Forward-Looking Schedule

Those interested in participating directly in any of the new engagements can register at engagement@ieso.ca.

2021-2024 Conservation and Demand Management Framework – Mid-Term Review

This mid-term review of the 2021-2024 Conservation and Demand Management (CDM) Framework will assess the performance of existing CDM programs and alignment of targets and budgets with emerging customer and system need. The review is being conducted at the request of the Minister of Energy and the IESO will use feedback from this engagement to inform its recommendations to the Minister later this year.

Launching: April 22, 2022

Bulk Planning – East Ontario

Bulk system electricity planning is underway in East Ontario. This engagement initiative will provide interested parties with an opportunity to offer input for consideration in the development of the Gatineau Corridor End-of-Life Study to examine transmission equipment reaching end-of-life in this corridor.

Launching: April 14, 2022

Bulk Planning – Northeast Ontario

Bulk system electricity planning is underway in Northeast Ontario. This engagement initiative will provide interested parties with an opportunity to offer input for consideration in the development of a bulk plan to address the supply gap being driven by strong economic growth and decarbonization initiatives as identified in the IESO's Annual Planning Outlook.

Launching: April 26, 2022

Hydroelectric Program Development and Assessment – Small Hydro

As part of the Minister of Energy's [letter](#) under the Resource Adequacy Framework, the IESO was asked to explore ways to allow small hydroelectric facilities to continue operating beyond the expiry of their existing Power Purchase Agreements (PPAs) to ensure the capacity from these facilities continues to contribute to Ontario's resource adequacy. Feedback received from outreach and engagement will inform the July 1, 2022 report to the Minister of Energy on the design, timelines, and summary of discussions with sector participants. *Launching within the Resource Adequacy Engagement: April 20, 2022*

Forecasting and Planning

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

Active Engagement	Current Status	Next Steps
<p><u>Bulk Planning – East Ontario</u> <i>*new</i></p> <p>Bulk system electricity planning is underway in this area.</p> <p><i>Engagement Lead: Sari Gerwitz</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none">Formalizing the Integrated Bulk System Planning ProcessRegional Planning – Ottawa Area Sub-Region	<ul style="list-style-type: none">A dedicated engagement page has been created for this new engagementA planning study is underway for the Gatineau transmission corridor area to examine the transmission equipment reaching end-of-life, assess the scope of refurbishment and look at broader reliability needs	<ul style="list-style-type: none">A webinar is being held on April 14 to provide an update and seek input on the Gatineau transmission corridor areaFeedback is due by May 4
<p><u>Bulk Planning – Northeast Ontario</u> <i>*new</i></p> <p>Bulk system electricity planning is underway in this area.</p> <p><i>Engagement Lead: Rouselle Gratela</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none">Formalizing the Integrated Bulk System Planning ProcessRegional Planning – North & East of Sudbury	<ul style="list-style-type: none">A dedicated engagement page has been created for this new engagementA planning study is underway for Northeast Ontario to address emerging needs being driven by strong economic growth and decarbonization initiativesA draft engagement plan has been posted and feedback on the engagement plan is invited at the upcoming webinar	<ul style="list-style-type: none">A webinar is being held on April 26 to seek feedback on key considerations for the scope, needs and potential solutions to meet the future electricity needs of Northeast OntarioFeedback is due by May 17

Active Engagement	Current Status	Next Steps
<p><u>Formalizing the Integrated Bulk System Planning Process</u></p> <p>The IESO is seeking feedback on the design of a formal, integrated bulk system planning process.</p> <p><i>Engagement Lead: Colin Campbell</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • Development of an IESO Competitive Transmission Procurement Process • Resource Adequacy • Transmission Losses 	<ul style="list-style-type: none"> • In late 2021, the IESO held a webinar to present the final high-level design and process detail and provided a progress update on the regional planning process review engagement completed in May 2021 • A response to feedback document was posted earlier in the year 	<ul style="list-style-type: none"> • The formalized Bulk System Planning Process is planned for implementation at the start of 2022
<p><u>Regional Planning – Barrie/Innisfil</u></p> <p>Regional electricity planning is underway in this sub-region.</p> <p><i>Engagement Lead: Sari Gerwitz</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • DER Roadmap • Formalizing the Integrated Bulk System Planning Process • Regional Planning – South Georgian Bay/Muskoka 	<ul style="list-style-type: none"> • A webinar was held on April 6 to provide an update on the development of the Integrated Regional Resource Plan (IRRP) and to discuss and seek feedback on proposed recommendations to meet local needs 	<ul style="list-style-type: none"> • Feedback on the webinar is due by May 3 • The final Integrated Regional Resource Plan (IRRP) for this area will be posted in May 2022
<p><u>Regional Planning – Niagara</u></p> <p>Regional electricity planning is underway in this region.</p> <p><i>Engagement Lead: Rouselle Gratela</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • Formalizing the Integrated Bulk System Planning Process 	<ul style="list-style-type: none"> • Two feedback submissions were received from municipalities following the February 3 webinar to ensure major local developments were considered in the electricity demand forecast • The submissions and IESO’s response to feedback have been posted along with the detailed electricity demand forecast 	<ul style="list-style-type: none"> • A second public webinar is being held on April 28 to outline the detailed needs and seek input on the range of potential solutions to be screened

Active Engagement	Current Status	Next Steps
<p><u>Regional Planning – North & East of Sudbury</u> Regional electricity planning is underway in this region. <i>Engagement Lead: Rouselle Gratela</i> <i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • Formalizing the Integrated Bulk System Planning Process • Bulk Planning – Northeast Ontario 	<ul style="list-style-type: none"> • Following publication of the final scoping assessment outcome report, the IESO has launched an engagement to inform the development of an Integrated Regional Resource Plan (IRRP) for this region • The first webinar was held on March 31 to seek input on the draft electricity demand forecast and engagement plan 	<ul style="list-style-type: none"> • Feedback on the March 31 webinar is due by April 21, with an IESO response to feedback to be posted mid-May • Further outreach and engagement to be undertaken in Q3 to inform the detailed study of needs and potential options
<p><u>Regional Planning – Northwest</u> Regional electricity planning is underway in this region. <i>Engagement Lead: Susan Harrison</i> <i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • Formalizing the Integrated Bulk System Planning Process • Resource Adequacy 	<ul style="list-style-type: none"> • Three targeted discussions concluded with communities and stakeholders in November 2021 to discuss electricity needs for the region and any emerging local initiatives that should be considered in the planning work 	<ul style="list-style-type: none"> • A webinar is being held on April 25 to provide an overview of the demand forecast and seek input on options to meet identified needs for this region • Feedback will be due by May 20, with an IESO response to feedback to be posted in June
<p><u>Regional Planning – Ottawa Area Sub-Region</u> Regional electricity planning is underway in this region. <i>Engagement Lead: Sari Gerwitz</i> <i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • Bulk Planning – East Ontario • Formalizing the Integrated Bulk System Planning Process • Gas Phase-Out Impact Assessment 	<ul style="list-style-type: none"> • An Integrated Regional Resource Plan (IRRP) was completed in February 2020 for this sub-region • The plan recommended additional studies to address the identified needs that extend beyond the 20-year IRRP outlook 	<ul style="list-style-type: none"> • Communications and outreach are targeted for Q2 2022

Active Engagement	Current Status	Next Steps
<p><u>Regional Planning – Parry Sound/Muskoka</u> Regional electricity planning is underway in this sub-region. <i>Engagement Lead: Sari Gerwitz</i> <i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • DER Roadmap • Formalizing the Integrated Bulk System Planning Process • Regional Planning – South Georgian Bay/Muskoka 	<ul style="list-style-type: none"> • A webinar is being held on April 6 to provide an update on the development of the Integrated Regional Resource Plan (IRRP) and to discuss and seek feedback on proposed recommendations to meet local needs, including details on the evaluation of alternatives 	<ul style="list-style-type: none"> • Feedback on the webinar is due by May 3 • The final Integrated Regional Resource Plan (IRRP) for this area will be posted in May 2022
<p><u>Regional Planning – Renfrew</u> Regional electricity planning is underway in this region. <i>Engagement Lead: Sari Gerwitz</i> <i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • Bulk Planning – East Ontario • Formalizing the Integrated Bulk System Planning Process 	<ul style="list-style-type: none"> • One feedback submission was received following the February 9 webinar to seek input on the draft electricity demand forecast and engagement plan for this area • The IESO’s response to feedback document has been posted 	<ul style="list-style-type: none"> • Further outreach and engagement will take place in Q2
<p><u>Transmission Losses</u> 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. <i>Engagement Lead: Colin Campbell</i> <i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • Formalizing the Integrated Bulk System Planning Process 	<ul style="list-style-type: none"> • The IESO posted a draft transmission losses guideline document in July 2021 for stakeholder review and feedback • Two feedback submission were received and the IESO is developing a response to feedback 	<ul style="list-style-type: none"> • A response to stakeholder feedback will be provided in Q2 and a webinar will be held, as required • Changes will be made to the guideline document, the IESO will post the final and close the engagement

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
<p><u>Development of an IESO Competitive Transmission Procurement Process</u></p> <p>The IESO is seeking feedback to aid in the development of a competitive transmission procurement process.</p> <p><i>Engagement Lead: TBD</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • Formalizing the Integrated Bulk System Planning Process 	<ul style="list-style-type: none"> • This engagement was put on hold and IESO is currently determining the next steps associated with this initiative 	
<p><u>Distributed Energy Resources (DER) Market Vision and Design Project</u></p> <p>The IESO is seeking feedback from stakeholders on how to cost-effectively enhance the value DERs can provide to Ontario’s electricity system by expanding participation in the wholesale markets.</p> <p><i>Engagement Lead: Colin Campbell</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • DER Potential Study • DER Roadmap • Enabling Resources Program • Hybrid Integration Project • Innovation and Sector Evolution White Paper Series • Resource Adequacy 	<ul style="list-style-type: none"> • An engagement webinar was held on January 26 where the IESO provided the feedback received and timelines and deliverables for the project • The meeting also included a presentation from the Electric Power Research Institute (EPRI) on how U.S. jurisdictions are complying with FERC Order 2222 • Two feedback submissions were received and have been posted to the engagement webpage 	<ul style="list-style-type: none"> • The IESO is currently reviewing the submissions and will respond to this feedback • Through Q2, the IESO will establish the criteria to determine foundational versus enhanced models, and develop the initial set of options for the Phase 1 questions

Active Engagement

Current Status

Next Steps

[Distributed Energy Resources \(DER\) Potential Study](#)

To help inform our path forward in enabling DERs, the IESO has commissioned a DER Potential Study. The primary objectives of the study are to determine the types and volumes of DERs that exist and can be expected to emerge in Ontario over a 10-year timeframe, as well as identify the potential for these resources to provide wholesale electricity services.

Engagement Lead: **Colin Campbell**

Related Active Engagements:

- [DER Market Vision & Design Project](#)
- [DER Roadmap](#)
- [Enabling Resources Program](#)
- [Hybrid Integration Project](#)
- [Innovation and Sector Evolution White Paper Series](#)
- [Resource Adequacy](#)

- An engagement webinar was held on November 23 to present the draft Detailed Project Plan and describe the key components of the study, including inputs, methodology, scenarios and the underlying assumptions; a summary of feedback from the September webinar was also presented, along with the IESO's responses
- Four feedback submissions were received and have been posted to the engagement webpage

- The IESO is currently reviewing the submissions and will respond to this feedback
- Study results are expected to be presented in June, 2022

[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.

Engagement Lead: **Colin Campbell**

Related Active Engagements:

- [DER Market Vision & Design Project](#)
- [DER Potential Study](#)
- [Enabling Resources Program](#)
- [Hybrid Integration Project](#)
- [IESO York Region Non-Wires Alternatives Demonstration Project](#)
- [Resource Adequacy](#)

- The [DER Roadmap](#) was posted in December, 2021
- The first meeting of the Transmission-Distribution Working Group took place on January 31, 2022 (see separate engagement update)

- The IESO and Ontario Energy Board (OEB) will hold another joint engagement meeting on April 13 with an updated list, action items, and progress updates on cross-cutting issues

Active Engagement	Current Status	Next Steps
<p><u>Enabling Resources Program</u></p> <p>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.</p> <p><i>Engagement Lead: Colin Campbell</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • DER Market Vision & Design Project • DER Potential Study • DER Roadmap • Hybrid Integration Project • Innovation and Sector Evolution White Paper Series • Resource Adequacy 	<ul style="list-style-type: none"> • An engagement meeting was held on December 16 to present and discuss the Enabling Resources Work Plan outlining the timing and scope of work it will undertake to further integrate emerging resources in the IESO-Administered Markets, including hybrid generation-storage, storage and Distributed Energy Resources 	<ul style="list-style-type: none"> • The IESO will post an engagement summary report to conclude this engagement
<p><u>Hybrid Integration Project</u></p> <p>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.</p> <p><i>Engagement Lead: Colin Campbell</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • DER Market Vision & Design Project • DER Potential Study • DER Roadmap • Enabling Resources Program • Innovation and Sector Evolution White Paper Series 	<ul style="list-style-type: none"> • A webinar was held on February 24 to discuss stakeholder feedback received following the January meeting, and present the draft foundational designs • Five submissions were received and have been posted to the engagement webpage • The IESO is working on a response to feedback document 	<ul style="list-style-type: none"> • A webinar will be held on April 22 to discuss feedback from the February meeting, and to review the final design with stakeholders, in advance of the Long-Term RFQ/RFP deadlines, followed by publishing of the design document in Q2 2022

Active Engagement

Current Status

Next Steps

Long-Term RFP

The IESO is engaging stakeholders on the development of a Long-Term RFP (LT RFP) that will seek resources that can be in service between 2026 and 2028 to address global and regional needs.

Engagement Lead: Colin Campbell

Related Active Engagements:

- [Resource Adequacy](#)
- [Hybrid Integration Project](#)
- [Market Renewal Program \(MRP\) Implementation](#)

- A webinar was held on March 10 to review the Long Term 1 Request for Proposals (LT1 RFP) design considerations and discuss the draft Long Term 1 Request for Qualification (LT1 RFQ)
- Nineteen submissions were received on the draft LT1 RFP and Contract, and have been posted
- Nineteen submissions were also received on the draft LT1 RFQ, and have been posted

- IESO is reviewing the feedback received following the March 10 webinar
- A webinar is being held on April 22 to provide an update on key activities under the Long-Term RFP including a summary of feedback received from the March 10 webinar
- The final LT1 RFQ will be published by June 30

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: Jason Grbavac

Related Active Engagements:

- [DER Market Vision & Design Project](#)
- [DER Potential Study](#)
- [DER Roadmap](#)
- [Enabling Resources Program](#)
- [Formalizing the Integrated Bulk System Planning Process](#)
- [Long-Term RFP](#)

- The Annual Acquisition Report (AAR) was released on April 4 with engagement discussions planned within the Resource Adequacy engagement to discuss and seek input on the new mechanisms and solutions noted in the AAR to meet the needs identified
- A webinar will be held on April 20 for the Hydroelectric Program Development & Assessment - Small Hydro to inform stakeholders on recent activities and feedback around the design of a new program involving re-contracting small hydro facilities

- Engagement on enhancements to the 2022 Capacity Auction will enter the rules review phase (implementation) via the IESO Technical Panel process in April and May
- Feedback received on Small Hydro will inform the July 1, 2022, report to the Ministry of Energy on the final design, timelines, and summary of discussions with stakeholders

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
<p><u>Adjustments to Intertie Flow Limits</u></p> <p>The IESO is proposing to add clarifying language to the market rules specifying when internal transmission constraints will be considered by the IESO in setting intertie flow limits.</p> <p><i>Engagement Lead: Jason Grbavac</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none">N/A	<ul style="list-style-type: none">A webinar was held on November 22 to provide stakeholders with an opportunity to comment on the proposed clarification to the market rulesThree submissions were received and posted to the webpage along with the IESO response to feedback document	<ul style="list-style-type: none">At the February Technical Panel meeting, members voted to post for broader stakeholder feedbackThe corresponding proposed rule amendment (MR-00468) is scheduled to go back before Technical Panel on April 19 for a vote to recommend to the IESO BoardAt the February meeting, Technical Panel members asked if MACD could respond to questions in a letter by March 30 to support this rule amendment review
<p><u>Cost Recovery for Integrating System Changes</u></p> <p>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.</p> <p><i>Engagement Lead: Jason Grbavac</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none">N/A	<ul style="list-style-type: none">An IESO response to feedback was posted on September 30 based on the feedback received from the July 2021 webinar	<ul style="list-style-type: none">The IESO is determining if an additional engagement session is required for this initiative

Active Engagement	Current Status	Next Steps
<p><u>Improving Accessibility of Operating Reserve</u></p> <p>The IESO is seeking feedback on an issue related to the Operating Reserve (OR), whereby the amount of OR scheduled is not fully accessible.</p> <p><i>Engagement Lead: Colin Campbell</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> A webinar was held on March 25 to provide an overview of an Operating Reserve issue that the IESO is experiencing and discuss changes to previously proposed solutions and associated modifications to the Market Rules 	<ul style="list-style-type: none"> Feedback on the March 25 webinar is due by April 19, after which a response to feedback document will be posted
<p><u>Improving Awareness of System Operating Conditions</u></p> <p>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.</p> <p><i>Engagement Lead: Trisha Hickson</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> One feedback submission was received following the January 27 webinar, which included proposed changes to the Market Rules and Market Manuals, and has been posted to the engagement webpage The IESO has posted a response to feedback document 	<ul style="list-style-type: none"> No further engagements are planned at this time
<p><u>Market Renewal Program (MRP) Implementation</u></p> <p>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.</p> <p><i>Engagement Lead: Declan Doyle</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> Resource Adequacy Enabling Resources DER Market Vision & Design Project Hybrid Integration 	<ul style="list-style-type: none"> The IESO published the Calculation Engine batch of market rules for stakeholder review, with comments or questions due by April 15 Feedback from stakeholders on the March 24 engagement discussion on navigating design solutions is also due by April 15 	<ul style="list-style-type: none"> A webinar will be held on April 21 to provide stakeholders with background and information on the design of the Economic Operating Point in the renewed market

Active Engagement	Current Status	Next Steps
<p data-bbox="201 222 574 289"><u>Updates to IESO Monitoring Requirements: Phasor Data</u></p> <p data-bbox="201 302 675 529">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.</p> <p data-bbox="201 541 630 567"><i>Engagement Lead:</i> Colin Campbell</p> <p data-bbox="201 579 548 604"><i>Related Active Engagements:</i></p> <ul data-bbox="201 617 298 642" style="list-style-type: none"> <li data-bbox="201 617 298 642">• N/A 	<ul data-bbox="704 222 1123 688" style="list-style-type: none"> <li data-bbox="704 222 1123 487">• A webinar was held on February 23 to provide updates on Market Rules developments, including salient updates in the Market Manual and a revised timeline for Market Rules enforcement <li data-bbox="704 499 1123 688">• On March 22 the Technical Panel passed the vote and the proposed market rule amendments are now posted for stakeholder feedback 	<ul data-bbox="1159 222 1520 369" style="list-style-type: none"> <li data-bbox="1159 222 1520 369">• Facilities will be required to begin providing data on or before December 31, 2024

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
<p><u>2021-2024 Conservation and Demand Management (CDM) Framework – Mid-Term Review</u> <i>*new</i></p> <p>The Minister of Energy has asked the IESO to assess the performance of existing CDM programs and the alignment of targets and budgets with emerging customer and system needs.</p> <p><i>Engagement Lead: Jason Grbavac</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none">• 2021 Annual Planning Outlook• 2022 Annual Acquisition Report• Pathways to Decarbonization	<ul style="list-style-type: none">• A dedicated engagement webpage has been created for this new engagement• An engagement plan is posted on the engagement web page	<ul style="list-style-type: none">• A webinar is being held on April 22 to inform stakeholders of the mid-term review process and approach, seek input on CDM trends, program gaps and opportunities• Feedback is due by May 12
<p><u>Clean Energy Credits</u></p> <p>The Ministry of Energy has asked the IESO to assess options for the establishment and ongoing operation and management of a registry to support the creation and/or recognition, trading and valuation, and the retirement of renewable and clean energy credits (CECs) within the province.</p> <p><i>Engagement Lead: Trisha Hickson</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none">• N/A	<ul style="list-style-type: none">• Thirty-two submissions were received following the February 24 webinar, and are posted to the engagement webpage	<ul style="list-style-type: none">• A webinar is being held on April 21 to provide an overview of feedback received to date, the Clean Energy Credits (CEC) Registry Features & Functionality, CEC Product Offering Options and next steps• Feedback from the April webinar is due on May 12

Active Engagement	Current Status	Next Steps
<p><u>Industrial Energy Efficiency Program</u></p> <p>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.</p> <p><i>Engagement Lead: Trisha Hickson</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Two submissions were received following the February 23 webinar and have been posted to the webpage along with IESO’s response to feedback document 	<ul style="list-style-type: none"> • There are no further engagements planned for the launch of this program • The program is launching in two stages with the first in Q2 2022
<p><u>Innovation and Sector Evolution White Papers</u></p> <p>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.</p> <p><i>Engagement Lead: Colin Campbell</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • DER Potential Study • DER Roadmap • IESO York Region Non-Wires Alternatives Demonstration Project 	<ul style="list-style-type: none"> • A webinar was held on February 23 where the IESO began discussions on the next white paper in the series: Applications of Artificial Intelligence (AI), Machine Learning and other Advanced Technology in the Electricity Sector • The IESO sought feedback on key considerations to inform the future strategy of this technology and to understand market participant goals • Responses to the AI Whitepaper Survey were due by March 31 	<ul style="list-style-type: none"> • The IESO is currently reviewing the AI Whitepaper Survey responses

Active Engagement	Current Status	Next Steps
<p><u>IESO York Region Non-Wires 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.</p> <p><i>Engagement Lead: Colin Campbell</i> <i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • DER Market Vision & Design Project • DER Potential Study • DER Roadmap • Innovation and Sector Evolution White Papers 	<ul style="list-style-type: none"> • The Final Year 2 Demonstration Program Rules and Contracts were posted on August 25 with the opening of the Initial Year 2 registration • On October 20-21, pre- and post-auction reports were posted for Year 2 	<ul style="list-style-type: none"> • An Evaluation Report including lessons learned will be published by Q4 2022; this is the last major milestone for this engagement
<p><u>Pathways to Decarbonization</u> The IESO will inform stakeholders on the study approach and provide transparency around the assumptions that will be used in the analysis of the Ministry’s request that the IESO evaluate a moratorium on the procurement of new natural gas generating stations in this decade (reliability, cost, environmental considerations) and develop an achievable pathway to phase out natural gas generation and achieve zero emissions in the electricity sector.</p> <p><i>Engagement Lead: Trisha Hickson</i> <i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • Clean Energy Credits • 2021 Annual Planning Outlook • 2022 Annual Acquisition Report • Resource Adequacy • DER Potential Study 	<ul style="list-style-type: none"> • Fifty submissions were received in response to the February 24 webinar, including the preliminary assumptions to be used in the development of the pathways study; the submissions have been posted to the engagement webpage • A webinar was held on March 24 to discuss the IESO’s approach to its Operability Assessment as part of the pathways to decarbonization study 	<ul style="list-style-type: none"> • The IESO is aiming to post its response to feedback on the study assumptions (posted March 16), by the end of April • Next steps on the study and engagement plans to follow in Q2/Q3

Updates on the Stakeholder Advisory Committee, Technical Panel and Transmission-Distribution Coordination Working Group

Group	Current Status	Next Steps
<p><u>Stakeholder Advisory Committee (SAC)</u></p> <p>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.</p> <p><i>Engagement Lead: Jordan Penic</i></p>	<ul style="list-style-type: none"> • A meeting recording of the March 9 SAC meeting is available on the SAC web page and meeting notes will be posted shortly • A call for nominations was issued on March 17 to find a member to represent the Ontario’s community constituency, specifically targeting a municipal representative 	<ul style="list-style-type: none"> • The deadline for SAC member nomination submissions is April 14 • The next public SAC meetings will take place on June 29 and August 3
<p><u>Technical Panel (TP)</u></p> <p>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.</p> <p><i>Engagement Lead: Agatha Pyrka</i></p>	<ul style="list-style-type: none"> • On the MRP Market Power Mitigation batch, the Panel voted in favour of provisional recommendation to the IESO Board, (nine panel members voting in favour and five abstained); the April meeting will include an in-camera session to debrief on the process • The vote to post for the Updates to Synchrophasor Monitoring Requirements passed • Technical Panel members were introduced to the Enhancements to the 2022 Capacity Auction item 	<ul style="list-style-type: none"> • A full schedule is expected in April - votes to recommend to the IESO Board is expected for Updates to Synchrophasor Monitoring Requirements, while votes to post for broader stakeholder comment is expected for Replacement of the IESO Settlement System, Enhancements to the 2022 Capacity Auction, and Improving Awareness of System Operating Conditions • In addition to the three vote to post items above, the Adjustments to Intertie Flow Limits item will be voted on by panel members to recommend to the IESO Board in May

Group	Current Status	Next Steps
<p><u>Transmission – Distribution Coordination Working Group</u></p> <p>The Transmission-Distribution Coordination Working Group (TDWG) will work closely with LDCs and other stakeholders to inform the DER Market Vision and Design Project. This is a key focus area of IESO’s Distributed Energy Resources (DER) integration activities and is what much of the near-term DER Roadmap efforts build towards. The TDWG will provide a forum for in-depth engagement on T-D coordination.</p> <p><i>Engagement Lead: Colin Campbell</i></p> <p><i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • DER Market Vision & Design Project • DER Roadmap • IESO York Region Non Wires Alternatives Demonstration Project • Innovation and Sector Evolution White Paper Series 	<ul style="list-style-type: none"> • The first Working Group meeting was held on January 31, where the IESO provided an introduction to the TDWG, reviewed the Terms of Reference, and discussed the objectives for the Working Group • Meeting notes for the January 31 meeting have been posted to the webpage 	<ul style="list-style-type: none"> • The next Working Group meeting will be planned for Q2, 2022