

IESO Engagement Update – June 14, 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.



Upcoming Information Sessions and Meetings

2022 Annual Planning Outlook Information Session

To increase transparency in planning activities, and in response to feedback received through previous Annual Planning Outlooks and Annual Acquisition Reports, the IESO will be hosting a planning information session on June 21, 2022 to provide an overview of the supply outlook scenarios being considered for the 2022 Annual Planning Outlook. Click [here](#) for more information and to register.

2022 Market Operations Awareness Session

The IESO will be hosting a Market Operations Awareness session on June 27, 2022 to look ahead to the summer 2022 preparations and discuss some of the recent work the IESO has been doing to ensure reliability. This session will be of particular interest to people that manage, plan and operate facilities in the electricity system. Click [here](#) for more information and to register.

IESO Stakeholder Advisory Committee Meeting

The next IESO Stakeholder Advisory Committee (SAC) meeting will take place on July 6, 2022. Further information on the agenda and the registration details will be posted to the [SAC webpage](#) closer to the meeting date.

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></p> <p>A bulk planning study is underway for the Gatineau transmission corridor to examine the transmission equipment reaching end-of-life, assess the scope of refurbishment and look at broader reliability needs.</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 Process• Regional Planning – Ottawa Area Sub-Region	<ul style="list-style-type: none">• Webinars were held on April 13 and 14 to provide an update and seek input on the Gatineau transmission corridor area• Four feedback submissions were received and have been posted to the engagement webpage• One-on-one outreach discussions with municipalities are underway	<ul style="list-style-type: none">• An IESO response to feedback document will be posted in July• A webinar will be held in August to review the feedback received and present draft recommendations• The final study is expected to be posted in Q3
<p><u>Bulk Planning – Northeast Ontario</u></p> <p>A bulk planning study is underway for Northeast Ontario to address emerging needs being driven by strong economic growth and decarbonization initiatives.</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• Regional Planning – North & East of Sudbury	<ul style="list-style-type: none">• A webinar was 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 Ontario• Six feedback submissions were received related to the potential transmission reinforcements, non-wires alternatives and consideration of other major prospective developments and areas of needs; the submissions have been posted to the engagement webpage	<ul style="list-style-type: none">• An IESO response to feedback document will be posted in July• A webinar will be held in Q3 to provide an overview of the options analysis and seek input on draft recommendations• The final study is expected to be posted in Q3

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 • The formalized Bulk System Planning Process is being implemented as of the beginning of 2022 	<ul style="list-style-type: none"> • The IESO will post an engagement summary report to conclude this engagement
<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"> • On May 26, the IESO posted the 2022 Barrie/Innisfil Integrated Regional Resource Plan (IRRP), and the appendices will be posted shortly • The IRRP and other engagement materials can continue to be accessed on the engagement webpage 	<ul style="list-style-type: none"> • This engagement has concluded
<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"> • A second public webinar was held on April 28 to outline the detailed needs and seek input on the range of potential solutions to be screened • Load profiles for the Beamsville Transformer Station (Town of Lincoln) and Crowland Transformer Station (City of Welland) have been posted to the engagement webpage 	<ul style="list-style-type: none"> • Further outreach and engagement will be undertaken in Q3 to inform the draft recommendations

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"> • A webinar was held on March 31 to seek input on the draft electricity demand forecast and engagement plan • One feedback submission was received and has been posted to the engagement page, along with the IESO’s response to feedback document • The IESO has posted a detailed electricity demand forecast to the engagement webpage 	<ul style="list-style-type: none"> • 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"> • A webinar was held on April 25 to provide an overview of the demand forecast and seek input on options to meet identified needs for this region; an update was also provided on the Waasigan Transmission Project • Eight feedback submissions were received and have been posted to the engagement webpage 	<ul style="list-style-type: none"> • An IESO response to feedback document will be posted • Further engagement and outreach will be undertaken in Q3
<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 Q3 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"> • On May 26, the IESO posted the 2022 Parry Sound/Muskoka Integrated Regional Resource Plan (IRRP), and the appendices will be posted shortly • The plan and other engagement materials can continue to be accessed on the engagement webpage 	<ul style="list-style-type: none"> • This engagement has concluded
<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"> • Further outreach and engagement review the size and timing of potential growth in the area to inform the development of options • On May 20, an electricity demand forecast was posted for the Renfrew Region 	<ul style="list-style-type: none"> • A webinar will be held in July to seek input on the options under consideration
<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 submissions were received and the IESO is developing a response to feedback 	<ul style="list-style-type: none"> • An IESO response to feedback document will be posted 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">• <u>Formalizing the Integrated Bulk System Planning Process</u>	<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">• <u>DER Potential Study</u>• <u>DER Roadmap</u>• <u>Enabling Resources Program</u>• <u>Hybrid Integration Project</u>• <u>Innovation and Sector Evolution White Paper Series</u>• <u>Resource Adequacy</u>	<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 along with a response to feedback document	<ul style="list-style-type: none">• A webinar is being held on June 22 to discuss the stakeholder feedback received following the January meeting, present criteria by which options for answering the Phase I questions will be assessed, and present the initial set of options for the Foundational model

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

- A webinar is being held on June 22 where the IESO and the consultant will present the final results of the province-wide Distributed Energy Resources Potential Study, along with insights, recommendations, and next steps on how the results will be utilized

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 IESO and Ontario Energy Board (OEB) held another joint engagement meeting on April 13 with an updated list, action items, and progress updates on cross-cutting issues
- Two feedback submissions were received and have been posted to the engagement webpage
- The second meeting of the Transmission-Distribution Working Group took place on May 16 (see separate engagement update)

- An IESO response to feedback document will be posted
- The next meeting of the Transmission-Distribution Working Group will be held on June 29 (see separate engagement update)

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 a summary report for this engagement • This engagement has concluded
<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 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 • Three feedback submissions were received and have been posted to the engagement webpage 	<ul style="list-style-type: none"> • An IESO response to feedback document will be posted

Active Engagement	Current Status	Next Steps
<p><u>Long-Term RFP</u> 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. <i>Engagement Lead: Colin Campbell</i> <i>Related Active Engagements:</i></p> <ul style="list-style-type: none"> • Resource Adequacy • Hybrid Integration Project • Market Renewal Program (MRP) Implementation 	<ul style="list-style-type: none"> • The final LT1 RFQ was published on June 3 • A webinar was held on June 9 to discuss key design considerations for the upcoming LT1 RFP and Contract, and to provide an overview of additional procurements, namely the Expedited procurement, the Same Technology Expansions and Uprates process and the Forward Capacity Auction 	<ul style="list-style-type: none"> • Feedback on the June 9 webinar is due by June 20 • The IESO will be reporting back to the government on feedback received and design considerations in July
<p><u>Resource Adequacy</u> 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. <i>Engagement Lead: Jason Grbavac</i> <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 • Formalizing the Integrated Bulk System Planning Process • Long-Term RFP 	<ul style="list-style-type: none"> • Enhancements to future Capacity Auctions will be engaged on in Q3 and Q4 • Enhancements to the 2022 Capacity Auction, which include proposed amendments to the existing IESO Market Rules, were discussed at the June Technical Panel meeting where a majority of members voted not to recommend a market rule amendment proposal to the IESO Board 	<ul style="list-style-type: none"> • A webinar will be held for the small hydro program on June 22 to provide an overview of the feedback received from the previous engagement meetings and direct facility discussions, including the evolved design considerations • Information from this engagement session will include reference to the final design recommendations which will be shared with government in July

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">IESO Market Rule amendments for the Adjustments to Intertie Flow Limits are required and are currently being reviewed by the IESO Technical PanelThe proposed market rule amendment was posted for stakeholder comment until May 2	<ul style="list-style-type: none">The vote to recommend to the IESO Board of Directors is scheduled for the July Technical Panel meeting
<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">An update on the next steps for this engagement will be provided in July

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 Two feedback submissions were received and have been posted to the engagement page, along with an IESO response to feedback document 	<ul style="list-style-type: none"> At the June Technical Panel meeting, the members voted unanimously to recommend a market rule amendment proposal to the IESO Board
<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"> The Technical Panel voted to recommend the proposed market rule amendment MR-00470-R00 to the IESO Board of Directors with a proposed effective date of June 27, 2022 These amendments will be applicable for the December 2022 pre-auction and obligation periods No further engagement is required 	<ul style="list-style-type: none"> The IESO will post a summary report for this engagement This engagement has concluded

Active Engagement	Current Status	Next Steps
<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 has responded to comments on the Calculation Engine batch of market rules • The IESO has also posted some background information on Constraint Violation Pricing for Dispatchable Hydroelectric Resources 	<ul style="list-style-type: none"> • A webinar will be held on June 21, materials are posted, and will cover Thermal State transitions, Transmission Rights Market transitional design, and forecast upcoming engagement opportunities
<p><u>Updates to IESO Monitoring Requirements: Phasor Data</u></p> <p>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><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 February 23 to provide updates on Market Rules developments, including salient updates in the Market Manual and a revised timeline for Market Rules enforcement • On March 22 the Technical Panel passed the vote and the proposed market rule amendments are now posted for stakeholder feedback 	<ul style="list-style-type: none"> • The IESO will post a summary report for this engagement • This engagement has concluded

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></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 webinar was held on April 22 to inform stakeholders of the mid-term review process and approach, seek input on CDM trends, program gaps and opportunities• Five feedback submissions were received and have been posted to the engagement webpage, along with the IESO response to feedback document	<ul style="list-style-type: none">• The next engagement session will take place in July
<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">• A webinar was held on April 21 to discuss feedback received to date, registry features & functionality, product offering options and next steps• Thirteen submissions were received and have been posted to the engagement webpage• The IESO also hosted five technical sessions focused on specific areas of design to collect more detailed feedback	<ul style="list-style-type: none">• An IESO response to feedback document will be posted by July• The next engagement session is scheduled for Q3 2022

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"> There are no further engagements planned and the program has launched 	<ul style="list-style-type: none"> The IESO will post a summary report for this engagement This engagement has concluded
<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. <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. <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"> • The IESO intends to post its response to feedback received on the study assumptions by the end of June 	<ul style="list-style-type: none"> • Next steps on the study and engagement plans to follow in Q3/Q4

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: Jason Grbavac</i></p>	<ul style="list-style-type: none"> 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 next public SAC meetings are scheduled for July 6 and August 31
<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"> The May meeting included two vote to recommend items: Replacement of the IESO Settlement System and Improving Awareness of System Operating Conditions of which both items were carried forward; the vote to recommend for the 2022 Capacity Auction was deferred to the June meeting The June meeting included two vote to recommend items where members unanimously voted to recommend a market rule amendment proposal for the Improving Accessibility of Operating Reserve item to the IESO Board and a majority voted not to recommend a market rule amendment proposal regarding the 2022 Capacity Auction enhancements to the IESO Board 	<ul style="list-style-type: none"> The July meeting includes one vote to recommend item for the Adjustments to Intertie Flow Limits as well an education item on the MRP Calculation Engine batch No meeting has been scheduled for August

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 in January, 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 meeting have been posted to the webpage • The second Working Group meeting took place on May 16 	<ul style="list-style-type: none"> • The next Working Group meeting will take place on June 29 and will focus on IESO market dispatch data submission and outage request submission processes as background for the TDWG members to support the development of the conceptual coordination protocols