

# Demand Response Working Group

Meeting date: 25,02/2020

Meeting time: 09:00 a.m.

Meeting location: Vantage Venues 150 King St W, Toronto

Chair/Sponsor: Dale Fitzgerald, Senior Advisor, Stakeholder

Realtions, IESO

Scribe:

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[All meeting material is available on the IESO website.](#)

## **Attendees:**

Organization	Name of Participant	Attended (A) or Webinar (W)
AMPCO	Anderson, Colin	A
Bruce Power	Zhang, Alvin	W
Cascades Canada ULC	Ross, Jean Philippe	W
Centre for Urban Energy at Ryerson University	Ma, Jessie	W
Customized Energy Solutions	Luukkonen, Paul	W
Customized Energy Solutions	Withrow, David	W
Enel X	Chibani, Yanis	W
Enel X	Griffiths, Sarah	A
En-Powered	Roth, James	W
Essex Energy Corporation	Casey, Patrick	W
Gerdau Long Steel North America	Anthofer, Jeff	A
Good Company Associates	King, Robert	W
Great Circle Solar Management Corporation	Wharton, Karen	A
Heather Glen Village	Holliday, Paul	W
Hydro One	Dhoska, Roald	W
Ivaco Rolling Mills	Abdelnour, Francois	A

Organization	Name of Participant	Attended (A) or Webinar (W)
Lafarge	Zamani, Hooman	W
Ministry of Energy, Northern Development & Mines	Kersman, Paul	W
Nexus Energy	Coulbeck, Rob	W
NRG Energy	Briggs, Kara	W
Workbench Energy (NRG Peaks)	Lampe, Aaron	A
Ontario Power Generation	Zhong, Denise	A
Power Advisory LLC	Lusney, Travis	A
Rayonier Advanced Materials	Laflamme, Serge	W
Resolute Forest Products	Degelman, Cara	W
Resolute Forest Products	Ruberto, Tony	W
Rodan Energy Solutions	Forsyth, Dave	A
Stem	Skendie, Katie	W
Voltus	Grav, Jorgen	W
IESO	Trickey, Candice	A
IESO	Nollert, Beverly	A
IESO	Fitzgerald, Dale	A
IESO	Ferner, Emma	A
IESO	Jabbar, Adnan	A
IESO	Singh, Diljeet	A
IESO	Abid, Tibby	A
IESO	Agrawal, Vipul	A
IESO	Ashraf, Kausar	A
IESO	Karapetyan, Samvel	A
IESO	Mohamed, Abdi	W
IESO	Weir, Ben	W
IESO	Zhang, Simon	W

## Agenda Item 1: Welcome and Introductions

The IESO welcomed stakeholders to the meeting and provided an outline of the day's agenda, an update on the implementation of the 2019 DRWG initiatives, and reminders regarding the June 2020 Capacity Auction and upcoming changes to the HDR standby trigger.

## Agenda Item 2: Presentation and discussion on the 2020 DRWG work plan – Beverly Nollert

The IESO provided a re-cap of the draft 2020 work plan initiatives presented at the November 12, 2019 DRWG and reviewed and responded to stakeholder feedback received based on those proposed initiatives. The IESO then presented the 2020 DRWG work plan initiatives in more detail, including objectives, timing targets, and scope for each initiative, as well as whether the initiative was a primary or secondary area of focus. The IESO requested feedback on the 2020 DRWG work plan by March 10<sup>th</sup>.

*Issues and questions raised by stakeholders included whether the IESO would consider using existing tools to focus more effort on enabling DR locally in order to help meet regional planning needs, including by further exploring interoperability challenges, as well as the technical and regulatory barriers to expanding local DR dispatch.*

The IESO indicated that while this initiative is not currently in-scope for the 2020 DRWG work plan, opportunities and challenges related to enabling DR locally are being explored through other initiatives, for example through the York Region Non-Wires Alternative pilot project.

*Stakeholders acknowledged their support for the 2020 DRWG initiatives, and asked whether there are risks to delivering on stated timelines (e.g. capital constraints).*

The IESO indicated that while implementation of these initiatives is subject to prioritization of capital expenditures, manual workarounds could be explored to ensure initiatives are implemented as per the timelines. In addition, understanding stakeholder benefits derived from the initiatives is key to building the business case and moving them forward.

*Stakeholders also indicated that moving forward with Green Button is one way to remove the barrier to residential data access, and that this type of program also removes barriers in the commercial and industrial sectors.*

## Agenda Item 3: Updated on Demand Response potential in Ontario – Kausar Ashraf

The IESO reviewed the outcomes of discussions with DRWG stakeholders related to DR potential in the province, including key findings, how the findings will inform planning assumptions, and next steps on the initiative. Stakeholder feedback on the key road blocks to expanding DR in the province

include regulatory barriers to accessing meter data, various limitations to wholesale market participation, and a lack of opportunities for revenue stacking.

*Issues and concerns raised by stakeholders included an observation that while participation models and revenue stacking opportunities already exist for Dispatchable Loads (DL), there are barriers to customers becoming a DL and customers are hesitant to become a DL even when they have the capability to do so. Stakeholders suggested the IESO consider exploring why customers are choosing not to become a DL prior to considering evolving the existing participation models for DR.*

The IESO acknowledged the complexity and lack of awareness that may be contributing to this issue and indicated it would take the comment back for consideration.

## Agenda Item 4: Presentation of most recent HDR test results – Samvel Karapetyan

The IESO provided details of DR test performance in the summer 2019 commitment period, including:

- overall pass rates,
- failures based on either resources that did not follow dispatch instructions and received a dispatch charge or resources that did not pass the capacity test and received a capacity charge,
- repeat failures, and
- energy provided against scheduled energy.

Results indicated there was an improvement across all monitored categories in summer 2019 compared to overall historical summer performance. The IESO also provided a DR operational update and an update on changes to DR testing.

*Issues and questions raised by stakeholders included concerns related to why the IESO tests HDR resources on a 5-minute basis when it is defined as an hourly product.*

The IESO confirmed that in May 2020 it will begin assessing HDR resources based on hourly performance.

*Stakeholders requested confirmation on how the test metrics are constructed (e.g. number of resources vs. MW of committed capacity) and requested access to the raw data, specifically as it would be useful to stakeholders in order to inform policy discussions and back-test future proposed market rule and manual changes related to DR.*

The IESO indicated they would take the request back for discussion.

*Stakeholders requested analysis on how historical tests would have performed under the new test rules.*

The IESO agreed to provide stakeholders with this analysis.

*Stakeholders reiterated a desire not to be tested in the shoulder season and that scheduling of tests should take into consideration production targets (e.g. monthly, quarterly).*

The IESO acknowledged stakeholder concerns and reminded stakeholders that per market rules Ch. 7, Section 19.4.11 and 19.5.7, the IESO can test DR resources up to two times per commitment period.

*\*Editors Note: In it's April 28, 2020 update posted to the DRWG engagement page, the IESO provided stakeholders with the requested analysis and a response to the request for data.*

## Agenda Item 5: Summary of market manual and market rule changes and adjourn – Dale Fitzgerald

The IESO provided an summary of recent market manual and market rule changes related to demand response, including out-of-market activation payments, the standby notice price trigger, contributor management, validation, estimating and editing, and DR audits, and requested feedback on whether the update is helpful to stakeholders. The IESO thanked stakeholders for their contributions to the day's conversation.

**The meeting adjourned at 12:00 p.m.**

### Action Items for IESO

- IESO to confirm if the data from the DR testing presentation can be shared with stakeholders
- IESO to confirm if analysis can be provided to show how DR resources would have performed historically based on the new DR testing rules