

Demand Response Working Group (DRWG) Meeting Notes

Date held: November 22, 2016	Time held: 1:00 pm – 3:00 pm	Location held: Webinar
Company Name	Attendee	Attendance Status (A)ttended; (R) Registered; (S)ubstitute; (TC) Teleconference; (P) Presenter
Registered to participate:		
City of Toronto	Koff, Chaim	Webinar
City of Toronto	Poto, Angelo	Webinar
Constant Power Inc.	Fuerth, Dillon	Webinar
Constant Power Inc.	Game, Jonathan	Webinar
Customized Energy Solutions	Chintapalli, Raj	Webinar
Customized Energy Solutions	Pisarcik, Dave	Webinar
Ecobee	Ogbue, Nkechi	Webinar
Ecobee	Francoz, Jeffrey	Webinar
Enbala	Thompson, Jonathan	Webinar
Energy Curtailment Specialists	Moore, Michael	Webinar
Energy Curtailment Specialists	Pani, Swati	Webinar
Energy Hub	Diamond, Erika	Webinar
Energy Hub	Kier, Laura	Webinar
EnerNOC, Inc.	Griffiths, Sarah	Webinar
EnerNOC, Inc.	Barnes, Matt	Webinar
Great Circle Solar Management	Wharton, Karen	Webinar
Hamilton Utilities Corporation	Crown, Mike	Webinar
Honeywell Smart Grid Solution	White, Jeff	Webinar
Nest Labs	Amaral, Utilia	Webinar
NRStor Inc.	Osborne, Geoff	Webinar
OhmConnect	Kooiman, Brian	Webinar
Opower	Caperton, Richard	Webinar
PowerStream Inc.	Carr, Daniel	Webinar
Resolute Forest Products	Degelman, Cara	Webinar
Rodan Energy Solutions	Goddard, Rick	Webinar
Rodan Energy Solutions	Quassem, Farhad	Webinar
Rodan Energy Solutions	Ingram, Rachel	Webinar
Rodan Energy Solutions	Patterson, Sarah	Webinar
Tembec	Dottori, Paul	Webinar
WeatherBug Home (Good Company Associates on behalf of)	King, Robert	Webinar
Whitby Hydro Energy Services	Conte, Frank	Webinar
IESO	Drake, Gordon	P
IESO	Grbavac, Jason	P
IESO	Kamstra, Pat	P

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Registered to participate:		
IESO	King, Ryan	P
IESO	Kwok, Jason	P
Meeting Chair: Gordon Drake, Supervisor, Market Development, IESO Facilitator: Ryan King, Market Relations, IESO Scribe: Jason Kwok, Market Development, IESO		
Please report any corrections, additions or deletions to: engagement@ieso.ca		

All meeting materials are available on the IESO website at:

<http://www.ieso.ca/Pages/Participate/Stakeholder-Engagement/Working-Groups/Demand-Response-Working-Group.aspx>

Item 1

Pat Kamstra of the IESO reviewed stakeholder feedback on the IESO’s residential DR proposal from the September 30th DRWG meeting and provided the IESO’s response to the feedback. The feedback topics included access to meter data, contributor management, and randomized control trial baseline methodology. The IESO’s complete Response to Stakeholder Feedback document from the September 30th DRWG meeting can be found [here](#).

Member Questions and Comments, with the IESO’s response in italics:

An attendee asked would Green Button’s “Download My Data” meet the residential HDR resource’s measurement data submission requirement and is it considered “settlement-ready”? *The IESO responded that it will get back to the working group with a definitive answer on the use of Green Button Initiative data prior to the DR Auction.*

An attendee asked if the IESO will create a standardized contributor consent form for DRMPs to use for their residential contributors or will this be left up to each DRMP to develop. *The IESO responded that this will be left to the DRMP. The IESO will not be providing a standardized contributor consent form.*

An attendee asked if the Green Button and Smart Metering Entity (SME) initiatives can be merged? *The IESO responded that they can take this feedback to the different entities who are leading these initiatives but need to recognize that the different audiences of these initiatives mean that they may have different requirements and so while they appear to be aligned, a common initiative may not meet all of the respective needs.*

An attendee commented that allowing for Propensity Score Matching (PSM) will have an immediate benefit for residential DR participants because the current 1MW minimum size is a

barrier to entry especially because the minimum is zonal, and under Randomized Control Trials, the control group is not counted towards capacity.

An attendee commented that access to residential meter data is difficult. Without Green Button, it isn't possible for their organization to participate with a province-wide program because it is difficult to collaborate with 70+ Local Distribution Companies. However, they are actively talking to the Ministry of Energy about Green Button development. The participant also noted that he prefers the IESO picking the control group constituents.

An attendee asked if the zones were mapped.

The IESO responded that a mapping tool is available on the IESO website, where the participant can enter an address and the tool will advise the user of the zone the address is in. The mapping tool can be found at the following link: <http://www.ieso.ca/zonal.map/index.html>

Item 2

Jason Kwok of the IESO reviewed the post-auction requirements for DR Auction Participants that have a DR Capacity Obligation, including participant authorization, resource registration and energy market participation requirements.

Member Questions and Comments, with the IESO's response in italics:

An attendee asked the IESO to explain the participant authorization process.

The IESO responded that different roles must be assigned during the registration process. The IESO advised the attendee to contact the IESO's Market Registration department and they will help the attendee step through this process.

An attendee asked if existing resources of the same type (virtual/physical) that are participating this year in the DR Auction will carry over to the next year, or will they need to be re-registered?

The IESO responded that existing resources will carry-over into next year. For the contributor management process, if the participant has a capacity obligation in the prior commitment period then they do not need to restart the contributor management process. For example, if a DRMP had a capacity obligation in the Winter 2016/17 commitment period, this resource will not need to re-enroll all their contributors for the Summer 2017 commitment period. However, if the resource had a capacity obligation in the Summer 2016 commitment period but NOT in the Winter 2016/17 commitment period, the resource will have to re-enroll all their contributors for the Summer 2017 commitment period.

An attendee asked if Peaksaver participants will be eligible to participate in this year's auction.

The IESO responded that while PeaksaverPLUS is being funded by the IESO, these devices will not be eligible to participant in this year's auction. However, once Peaksaver is transitioned into the market, those participants will be eligible to be contributors in an HDR resource for the auction.

An attendee asked if contributors can be added on a monthly basis.

The IESO responded that contributors can be added/removed/modified on a monthly basis. The timelines noted in the presentation are the deadlines for the first submission for the upcoming Summer and Winter. The IESO will publish the monthly timelines for the ongoing submission requirements.

An attendee asked if an activation block is 4 hours or up to 4 hours for an Hourly DR resource. The attendee added that residential DR resources are fairly flexible and can be activated multiple times per day but sustaining a response for 4 hours can be a challenge and will require a larger pool of customers.

The IESO responded that activations for HDR resources are for 4 hour blocks. The IESO will be discussing, at the November 30th DRWG meeting, opportunities to drive greater operational benefit from the DR fleet to allow for more flexible response.

An attendee asked if DRMPs self-select the 4 hour activation block during the availability window?

The IESO responded that activations are determined by the economic dispatch process. If a participant is not available in all hours of the availability window then they should withdraw their bids for those hours. However, this will result in Availability Charges for the hours in which bids were not submitted.

Item 3

Pat Kamstra of the IESO presented the settlement treatment for residential HDR resources and walked through an example of how the Randomized Control Trial methodology can be applied to DR activation measurement.

Member Questions and Comments, with the IESO's response in italics:

An attendee asked if the size of the control group needs to grow as the size of the resource increases, or will 350 contributors be satisfactory regardless of the size of the capacity obligation?

The IESO confirmed that 350 contributors is sufficient regardless of the resource size and capacity obligation but the DRMP may choose to increase the size of the control group above this minimum requirement.

An attendee commented that 350 contributors for the control group is a significant number, which can reduce the total amount of DR available. Would the IESO consider allowing control groups to span multiple zones?

The IESO responded that there can be discrepancies such as weather between even adjoining electrical zones. Resources are dispatched and settled on a zonal basis which requires a 1:1 mapping between control group and treatment group.

An attendee asked if non-performance charges are additive. Could a participant receive an Administration, Availability and Capacity Charge all within a given month?

The IESO advised that this is possible because the charges are for different types of non-performance. For example, if a resource is on outage for a week then fails a DR activation the next week, the resource would be subject to both an Availability Charge and Capacity Charge.

An attendee commented that they would see benefit from allowing multiple residential resources per zone for a participant.

The IESO responded that for the upcoming DR Auction, participants will be permitted to only register one residential DR resource per zone. The IESO suggested the participant can present this topic at the upcoming DRWG planning session.

An attendee asked if the format of the measurement data presented in slide 17 is the format the IESO will request the aggregated residential measurement data in.

The IESO responded that this slide is used for illustrative purposes only and the format may change depending on IESO IT requirements.

Wrap-Up and Next Steps

Ryan King of the IESO thanked all participants and requested that stakeholders submit any questions and feedback by December 2 to engagement@ieso.ca.