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Highlighting Select Existing IESO Requirements Relevant to T-D Coordination

Nima Omran
Lead, System & Sector Development

Presentation Objective

- To highlight four existing requirements from the IESO market rules and manuals relevant to the Deliverable A
 - Two requirements relate to operational coordination for scenarios where there is “distribution service only” or “no active participation”.
 - Two requirements relate to outage coordination; referencing these in the next version of the T-D coordination protocols document will refine the document.
- Please note: This is not intended to be a complete list of requirements.

DER/A Not Registered with IESO

- IESO [Market Manual Part 7.3](#) - Outage Management, section 4.2.3, outlines requirements for DSOs coordinating with respect to DER/A that are not registered with the IESO:

“Under the market rules, distributors are required to notify the IESO in the event of changes that result in change greater than 20 MW from the average weekday demand or supply. This requirement applies to distributors with embedded loads or generation that are not registered with the IESO (MR Ch. 5, Sec. 3.4.1, 3.5.2, and 3.7.1)”

Demand Control Actions with DER/A

- IESO [Market Manual Part 7.3](#) - Outage Management, section 4.2.3 also elaborates on demand control actions:

“Distributors and transmitters are also required to notify the IESO in advance of demand control actions. Demand control actions include: demand management, voltage reductions and disconnections.

In the event of plans for demand control actions, market participants are required to submit outage information to the IESO by 10:00 EST each day, for the following day. Any emergency plans subsequent to this deadline must be submitted immediately.”

Distribution System Outages

- With respect to 'DSO override' due to distribution system outages, IESO [Market Rules Chapter 5](#) - Power System Reliability, section 6.4.12 notes:

"Each distributor shall, in reporting to the IESO pursuant to sections 6.2 and 6.3, identify to the IESO any outages that potentially constrain an embedded generator or an embedded electricity storage facility that is connected to its distribution system."

DER Forced Outages

- With respect to forced outages, IESO [Market Rules Chapter 5](#) - Power System Reliability, section 6.3.4 notes:

“Each market participant shall to the maximum extent possible notify the IESO in advance of a forced outage and provide a brief description of the nature and causes of the forced outage. When such advance notice cannot be given, the market participant shall promptly notify the IESO of the occurrence of a forced outage and provide a brief description of the nature and causes of the forced outage.”

Next Steps & Feedback

Next steps include incorporating references to the existing requirements in the draft T-D protocols document.

Feedback questions:

1. Any other requirements from IESO market rules/manuals that should be highlighted?
2. Any requirements from distribution system documentation that should be highlighted?

Please use the feedback form found under the Jul 26, 2024 entry on the [TDWG webpage](#) to provide feedback and send to engagement@ieso.ca by Aug 16, 2024