Feedback Form

Improving Awareness of System Operating Conditions meeting – April 22, 2021

Feedback Provided by:

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Date: 17 May 2021

To promote transparency, feedback submitted will be posted on the Improving Awareness of System Operating Conditions webpage unless otherwise requested by the sender.

Please provide feedback by May 17, 2021 to engagement@ieso.ca. Please use subject:

Feedback: Improving Awareness of System Operating Conditions

For context, the questions below are taken from slides 21 and 22 from the April 22, 2021 presentation on the engagement webpage.

Questions

Topic	Feedback
IT Related Operating State: What IESO tools/applications do you rely on?	SLR Consulting's clients use Peak Tracker and System Adequacy Reports

Topic	Feedback
IT Related Operating State: What is the minimum duration to an IESO application and/or tool disruption that would impact you?	

Topic	Feedback
IT Related Operating State: What information do you need from the IESO in this operating state?	Click or tap here to enter text.

Topic	Feedback
IT Related Operating State: What name would you give to this operating state instead of 'IT related'?	Click or tap here to enter text.

Topic	Feedback
Conservative Operating State: What kind of outages would you identify as non-critical?	Refer comments below
Topic	Feedback
Conservative Operating State: What actions might you take if this operating state is declared?	Refer comments below
Topic	Feedback
Conservative Operating State: What information do you need from the IESO in this operating state?	Refer comments below

General Comments/Feedback

In general, we found the line of questioning on this feedback form very closed, directed somewhat towards a predefined outcome. We have some comments that go outside of the defined questions and speak more to the proposed scope of the system awareness tools for the Conservative Operating State. Based on the limited information provided in the presentation on 22 April, we understand there is a 2-5 day weather forecasting Advisory notice service proposed. We see that the proposed Advisory system for a Severe Weather Alert is too broad-brush. There are real-time data analysis technologies available that can support a more refined advisory service by IESO. The IESO should look to include localized (high-resolution) nowcast (0-12 hrs) and short-term (0 to 36 hrs) weather forecast to make the awareness system more operable by geographic locations. Although IESO should be concerned with extreme temperature as being the climate varaible of most interest when it comes to forecasting demand an outages, there are other weather characteristics that also need to be monitored, like extreme wind. The effects on the high voltage transmission networks are different from the effects on lower voltage distribution networks and that generally the most significant extreme weather impact is from high winds. Ice storms are another weather event of interest that requires near-term advisory services. SLR Consulting is able to build these climate analysis tools for IESO. Please contact us should this be of interest. We would like to set up a meeting to discuss further details of what this may look like.