Market and Planning Data Questionnaire

Feedback Provided by:

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Building on the ISO jurisdictional scan, the Independent Electricity System Operator (IESO) will initiate this engagement by presenting specific questions to participants.

Please submit feedback to engagement@ieso.ca **by January 15, 2024**. If you wish to provide confidential feedback, please submit as a separate document, marked "Confidential." Otherwise, to promote transparency, feedback that is not marked "Confidential" will be posted on the engagement webpage.

Topic	Feedback
What organization/stakeholder group do you represent and what is your key interest in this engagement?	The Association of Power Producers of Ontario (APPrO). APPrO plays a leadership role in the formation of electricity policy and rules to facilitate investment in sustainable electricity infrastructure and the clear and transparent pricing of electricity in Ontario.

Topic	Feedback
Can you comment on the type or types of Planning and/or Market data that you access from the IESO? Do you have any feedback for the IESO about the Planning and/or Market data that is currently made available to stakeholders?	(Please see list under General Comments/Feedback section below.)

Topic	Feedback
What additional Planning and/or Market data is your organization seeking to access? If possible, provide the data sets of interest including specifics details in terms of granularity, format, etc.	(Please see list under General Comments/Feedback section below.)

Topic	Feedback
Please elaborate on the need for and/or your intended use of the data. (e.g., use cases, etc.)	IESO data supports the identification of procurement needs, market inefficiencies, potential or actual undue economic discriminatory treatment, and policy initiatives.
If applicable, is there specific Planning and/or Market data that is currently not made available by the IESO that should continue to remain private or confidential? Please tell us the impact on your organization if such data is made available.	Commercially sensitive, proprietary, and confidential information related to market participants including their assets, offers, costs, operations, commercial arrangements, and contracts should remain nonpublic. This information, if made public, could foreseeably harm a market participating, including their market competitive position(s).

General Comments/Feedback

1. Access to historical embedded generation data aggregated by generator type, on an hourly basis. If hourly data is not available, then to have the resolution on a monthly basis.

2. Historical Hourly Net System Load Shape for each of Ontario's local distribution company (LDC) for the past five years. From the November IESO Stakeholder Engagement on Expanding Third Party Access to Smart Metering Data, market participants are aware there exists Public Data Sets, and Non-Public Data Sets which are available to eligible third parties by request. When these two sets of data are combined together, would they give a full representation of the net system load shapes, or is there further data that market participants would need access to, to develop a full model of the hourly net system load shape. If so, can the IESO provide this missing data?

3. At present, the IESO publishes the Generator Output and Capability Report for each hour and each day. Additionally, the IESO also publishes the Generator Output Capability Month Report. Previously, the IESO published one aggregated file per year that covered all generator output and capability data for all hours, with the most recent one published in April 2019. This yearly format provided all the relevant data in a convenient format in one file, and was therefore straightforward for market participants to process and analyse. Please consider providing generator output and capability data in this yearly format again. It would be very useful for market participants to have access to aggregated yearly data for 2019 to 2023, and going forward, updated and aggregated on a daily basis.

4. All underlying data found in the APO, AAR and public reports, including the following data sets which are referenced in the APO: hourly grid-connected total Wind, embedded total Wind, grid-connected total Solar, embedded total Solar, grid-connected total Hydro, embedded total Hydro, and total Nuclear generation profiles. Note that these embedded data sets are distinct from the data requested in item #1 above.

5. Typical hourly end use demand profiles for electric vehicle (EV) charging and heat pumps (both gas-electric hybrid and fully electric). Per the Stakeholder Engagement on Expanding Third Party Access to Smart Metering Data, market participants are mindful that for example, the de-identified smart metering data for EVs may only be able to infer EV charging size and location based on the uptake of Ultra Low Overnight (ULO) rate and consumption patterns.

6. Data containing commercial EV charger counts, listed by zones. (We understand the IESO may not have access to these data sets at this time.)

7. For the IESO's Demand Forecast, the number of years and the time period of the historical datasets used to define the weather normal scenario used, e.g. the previous XX years from 19XX to 20XX, etc.

Thank you.