Feedback Form

2020 Annual Planning Outlook Engagement – January 26, 2021

Feedback Provided by:

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Following the January 26, 2021 engagement webinar on 2020 Annual Planning Outlook (APO), the Independent Electricity System Operator (IESO) is seeking feedback from participants on the APO report, module, methodology and supplemental data. The engagement presentation, the 2020 APO, and additional information on the outlook can be found on the Annual Planning Outlook webpage. The IESO will work to consider feedback and incorporate comments in future outlooks as appropriate.

Please provide feedback by February 17, 2021 to engagement@ieso.ca. Please use subject: *Feedback: 2020 Annual Planning Outlook Engagement*. To promote transparency, this feedback will be posted on the Annual Planning Outlook webpage unless otherwise requested by the sender.

Thank you for your time.

2020 Annual Planning Outlook Report

Topic	Feedback
What chapter/section is most helpful? Choose all that apply: Demand forecast, supply outlook, transmission outlook, capacity adequacy, energy adequacy, surplus baseload generation, transmission security, integrating needs, meeting needs, marginal costs, greenhouse gas emissions, other Tell us more: What did you like about it?	
What do you want to read more about?	
What key factors, uncertainties, and additional considerations should the IESO include in future outlooks?	

2020 Annual Planning Outlook Modules, Methodology, and Supplemental Data

Topic	Feedback
Are the assumptions, inputs, and methodology reasonable?	
What information do you want to see more of?	

General Comments/Feedback

- The Reliability Outlook and Annual Planning Outlook need to clearly state the amount of non-firm imports used in the forecast and when to apply this amount for outage and procurement planning. Since the amount of non-firm import differs in The Reliability Outlook vs. the Annual Planning Outlook, market participants need an indication of when to transition from one timeframe to the other timeframe in terms of non-firm capacity to use for outage planning vs. procurement.
- Some Ambiguity exists with respect to which timeframe Capacity Auction targets will be set. Will the APO target capacities feed into the Annual Acquisition Report and will the amounts in each report properly align?
- Better alignment is required between the Reliability Outlook and the Annual Planning Outlook. In the recent past, IESO has stated that aligning resource adequacy methodologies between the planning and operation planning timeframes remains a priority. As there is some ambiguity on the alignment of Resource Adequacy assumptions and methodologies in the planning and operational timeframes, it would be beneficial if the IESO would provide a schedule of when this alignment might happen.

- As a useful benchmark for stakeholders, it would be useful if the IESO would identify the contracts they are working on, or plan to extend in the future to meet resource adequacy requirements and potential shortfalls.
- OPG would appreciate if embedded generation and related data could be made public in order to understand its impact on the future demand forecast. The data should be provided by Generation Type and Zone. This would be beneficial to understand the full picture for Ontario once the embedded generation is added to the grid demand. This data could be released at the same time that the IESO releases the APO Supplemental Data.
- OPG would like to request the publishing of non-commodity cost information as was previously provided in the Long Term Energy Plan.
- OPG would like the IESO to provide historical and forecast Ontario electricity system costs, including:
    - Total cost of electricity service and breakdown by component (generation, conservation, transmission, distribution, wholesale, etc). This has been quoted by the IESO to be approximately $21 billion per year.
    - Generation cost and breakdown by fuel type
    - Generation cost broken down by market revenues and global adjustment
    - Unit cost for generation by fuel type
- OPG would like the resource adequacy assessments and long term planning outlook methodology used to calculate the Hydro Peak contribution capacity to be consistent. This is important to understand the changes and causes for these changes in grid-connected demand shape, especially the shift of the peak hours and summer-peak season. We look forward to collaborating with the IESO on this topic.
- When the IESO makes decisions it would helpful to understand the economic evaluations and other factors used that led to these decisions. The final result and conclusion is usually provided but information on how the conclusion was derived is not provided. For example, we would like to see the economic evaluations that went into the decision for the potential Manitoba Hydro RMR and for the transmission projects in the planning phase. The conductor upgrade planned for the FETT interface would increase the capacity by 2000MW. Hydro One is currently in the process of making those upgrades. It would be useful to see the economic evaluations and other factors that went into making the conductor upgrade decision for the FETT interface. The decisions may be appropriate but market participants do not have the background to understand and support this decision.
- Historically, the IESO has stated that Energy Conservation Efficiency has amounted to approximately 15 TWh's per year (see Figure 1 on Page 12 of the APO). OPG would like to see an hourly breakdown of this number in terms of air conditioning, LED Parking lighting etc.
- Temporary changes have been made to the ICI program in 2020. Going forward we assume that the ICI program will be reinstated to some extent and when it is reinstated we would like too see the IESO's projection of how much it is year after year. OPG would like to see the actual data for 2020 to determine the impact of the ICI temporary suspension. In addition, we would like to see the details on the ICI forecast that show a lower impact of ICI in the future. What are the drivers behind the decrease and why is ICI expected to be less than in previous years. This has caused some ambiguity on whether ICI is actually included in the scenarios or if it has been removed. Would the IESO provide their forecast for the amount of capacity in play in the ICI program and also the associated energy lost on the system.