

Centralized Forecasting Publication Requirements

Floor Prices Focus Group
June 27, 2012 - Revised



- Proposal from May 3rd, 2012
 - Forecast reports
 - Requested feedback
- Feedback from stakeholders
- Regional Forecast Publishing
- Next Steps

The IESO will produce two variable generation forecasts:

- A 48 Hour Energy Forecast:
 - A 48-hour energy forecast for all individual grid-connected variable generators and embedded variable generators ≥ 5 MW
 - The forecast will contain hourly average forecast values for the next 48 hours
- A Ramp Forecast:
 - A ramp event forecast to identify large changes in variable generation output that are not obvious from the hourly average forecast

IESO proposes to make publicly available:

- An Aggregate Forecast Report
 - The 48-hour energy forecast produced for each wind and solar generator will be aggregated before being published
- An Updated System Status Report (SSR):
 - Centralized wind and solar generator forecast information will be used to provide a more accurate forecast of future system conditions
 - Ramp events will be communicated through SSRs
- An updated Generator Output and Capability Report:
 - Published hourly, as soon as possible following the dispatch hour

IESO proposes to make privately available:

- A facility-specific forecast report:
 - Forecast information for each wind and solar generator before the start of the first hour in the 48-hour forecast horizon
 - The forecast will contain hourly average values for the next 48 hours
 - Forecasts will be confidential to the market participant

- **Question 1:** Is a regional forecast required for wind and solar generation?
- **Question 2:** If so, at what level of granularity should the regions be defined? Examples include:
 - “East”/ “West” zone;
 - 10 existing electrical zone definitions;
 - Etc.
- **Question 3:** For regions with a very small number of wind and solar generators, how should market participant confidentiality be protected?

- Comments were received from 3 stakeholders
 - Submissions are available at:
http://www.ieso.ca/imoweb/consult/consult_se91.asp
- Ontario Power Generation and the Power Workers Union were supportive of a regional forecast based on the existing electrical zone definitions
- Enbridge expressed concern that a regional forecast might expose commercially sensitive information

- The IESO will publish the 48-hour forecast on a regional basis
- The regions will be defined as the existing 10 electrical zones
- The IESO will only publish regional forecasts for those regions where more than two market participants are operating variable generation

- Market rules introduced at the June Technical Panel for private forecast reports
 - No rules are required to support changes to the other identified reports
- Report changes will be identified through the applicable market manuals
- On-going design work on SSRs will define forecast quantities outside 48-hour forecast horizon