IESO Request for Written Feedback on Centralized Wind Forecasting Questions

Power to Ontario. On Demand.

To facilitate the integration of renewable resources, communication and coordination will be a key IESO priority. In particular, up to date and accurate forecasts from the wind-powered fleet will be necessary to ensure the reliable, efficient and environmentally-responsible operation of Ontario's electricity grid. Although wind operators have made significant efforts to improve their forecasting capabilities, a centralized wind forecasting service is being introduced to further improve the quality of forecasts while reducing the administrative burden on wind generators.

The IESO is actively engaging stakeholders on the centralized forecasting program through the SE-57 consultation. To date, the meetings have been primarily used as a platform for the IESO to communicate its rationale for implementing centralized wind forecasting and for broad stakeholder feedback. As development of the centralized forecasting program continues, there is a growing need to have a more detailed discussion with relevant parties. The IESO is engaging wind farms specifically, requesting written feedback on the following questions that will assist in project planning and implementation.

Written feedback is requested by March 24th, 2010.

Data Requirements

1. For their own forecasting purposes, do wind operators capture additional information beyond that listed in Table 1, and if so, at what frequency?

Table 1: Required Data

Measurement	Units	Precision
Wind Speed	m/s	TBD
Wind direction	Degrees from true north	
Barometric Pressure	hPa	
Ambient Temperature	°C	

Competitive Forecasting Trial

2. One wind facility has already expressed interest in participating in the competitive forecasting trial, are others also interested?
3. Do wind facility operators have historical met data and turbine outages archived?
4. What is the annual operating cost for a wind facility operator to meet its current wind schedule submission obligations?

Funding Model

The proposed framework: if any wind generator fails to pay their obligation, the outstanding amount will be allocated to all wind generators in a timely manner. Any posted prudential or prepayments/deposits will be utilized first before any allocation of amounts.

5. If participants would like the IESO to manage the credit risk of non payment is the proposed framework acceptable?
6. Alternatively, if participants do not want the IESO to manage the credit risk, or the proposed framework is too costly (i.e. the posting of prudential or prepayment), would they rather a non payment be distributed immediately amongst program participants?