|  |  |
| --- | --- |
|  | DNE Dispatchable Generator Staff (DE Operations Management, DE Training Contacts, DE Technical Contacts, Lead Market Participants) |
|  | System Operations |
|   | March 9, 2020 |
|  | Recent Data Accuracy Issues |

Accurate data from wind and hydro resource participating in ISO New England’s (ISO-NE) Do Not Exceed (DNE) dispatch is critical to reliable and efficient system and market operations. Recent issues with accuracy of data being provided by wind and hydro DNE resources, particularly during adverse weather conditions, has resulted in the need for ISO-NE to reinforce expectations with respect to the provision of accurate data. These expectations are outlined below.

**Important Reminders for Wind Plant Operators**

* Wind Plant Operators telemeter wind plant Real Time High Operating Limit (RTHOL) and Wind High Limit (WHL) to ISO-NE directly via the Remote Telemetry Unit (RTU).
* When DNE Dispatch is NOT curtailing a wind plant, the WHL should equal its actual net power injection at its Point of Interconnection.
* When DNE Dispatch is curtailing a wind plant, the WHL should be equal to the net output that would be achieved if the curtailment were removed.
* When a wind plant is experiencing icing conditions and individual turbines are unable to produce energy, both RTHOL and WHL telemetry should accurately reflect the reduced capability of the entire wind plant. As long as the telemetry accurately reflects the actual capability of the wind plant, there is no reason to call the ISO-NE Control Room.
* To the extent that icing is anticipated by the Wind Plant Operator to affect the wind plant, Wind Plant Future Availability (WPFA) submitted to ISO-NE via web-services should also reflect the forecasted (reduced) RTHOL.

Please review ISO New England Operating Procedure #14, Appendix F (OP14-F) and use the illustrative examples contained in the [September 14th 2016 Memo](https://www.iso-ne.com/static-assets/documents/2017/02/operations_dne_memo_09142016.pdf) to verify that your RTHOL and WHL are being calculated and submitted correctly. ISO-NE will be contacting wind plants directly that have been observed to be having issues with the provision of consistently accurate data.

**Important Reminders for Hydro DNE Resources**

* A DNE hydro resource Economic Maximum (Eco Max) auto-redeclaration process was implemented on July 1, 2019 (detailed in the [June 21st, 2019 Memo](https://www.iso-ne.com/static-assets/documents/2019/06/a02_vrwg_2019_06_22_memo.pdf)). This process adjusts the hydro plant’s Eco Max up and down based on actual output with RTHOL as a high limit and Eco Min as a low limit. Notably, downward adjustments of a hydro plant’s Eco Max only occur during times that the hydro plant is not being constrained down by a DNE limit.
* To maximize the effectiveness of the Eco Max auto-redeclaration process, RTHOL and Eco Min should be entered into eMarket as follows:
	+ RTHOL should reflect the maximum generation capability based on equipment availability, NOT based on actual or expected river flows.
	+ Eco Min should reflect the lowest sustainable output level based on equipment design and meeting all environmental and permitting limits.

Please review your operational parameters being submitted to ISO-NE and verify that RTHOL and Eco Min limits are being submitted correctly. ISO-NE will be contacting hydro resources directly that have been observed to be having issues with the provision of consistently accurate operational parameters.

Any questions or concerns regarding the contents of the memo or the expectations outlined herein should be directed to Jaren Lutenegger at (860) 683-3302 or Stephen George at (860) 683-3299.