

To: Do Not Exceed Dispatchable Generation Staff Members (DE Operations Management, DE Training Contact, DE Technical Contact, Lead Market Participants)

From: Peter Brandien, ISO-New England Vice President, System Operations

Date: April 29, 2016

Subject: Operational Considerations and Preparations for Do Not Exceed (DNE) Dispatch Implementation

The Do Not Exceed (DNE) Dispatch project is scheduled for implementation on Wednesday May 25, 2016. The implementation of this project is the result of a collaborative effort that has taken place over the past several years between ISO-NE staff and their counterparts at the DNE Dispatchable generation (DDG) facilities. This memo serves to outline and clarify operational considerations and preparations prior to implementation of the DNE project.

You are encouraged to review this memo and ensure that it is passed along to your applicable DE staff members to help ensure a successful implementation of the DNE project.

Expected Response to DNE limits

- Dispatch Instructions are normally transmitted electronically to each DE every five minutes or less, depending on system conditions. (OP-14)
- DDG can operate between their EcoMin and the DNE limit (Emergency Min and DNE limit when in Minimum Generation Emergency)
- DDG must not exceed their DNE limits, except when transitioning to a new, lower DNE limit.
- In the event that a DDG is unable, or will be significantly delayed in following a DNE limit, the applicable DDG DE should immediately contact the ISO Control Room.
- In the event that a DDG receives a DNE limit below their current output level, the DDG should respond to the DNE limit without delay in accordance with their offer parameters (e.g., ramp rate).
 - A DDG that is operating above their DNE limit may be contributing to a transmission system security limit violation and should immediately move to their DNE limit.

Operating Limits and redeclarations

- If a DE is **not** capable of controlling the delivery of energy in accordance with its Offer Data (e.g., EcoMin, EcoMax, RTHOL, ramp rate), the DE is required to notify the ISO System Operators as soon as practicable. Efforts should be made to forecast Generator capabilities based on daily local conditions and submit those parameters appropriately. (OP-14)
- Intermittent hydro DDG are expected to maintain their forecasted MW output, in the form of EcoMax redeclarations, current with expected generation levels. If during the operating day the

expected hourly MW output changes from the schedule submitted in eMarket, this must be redeclared. There is no minimum threshold below which a redeclaration is not required.

- Any requests by a DDG DE to provide real-time reserve will be forwarded to the ISO Operations Management for consideration of the request.

Communication protocols/RTUs

- Remote Terminal Unit (RTU) issues should be communicated immediately to the ISO Control Room.
- During the transitional grace period between May 25, 2016 and April 30, 2017 when some intermittent hydro DDG may not have yet implemented RTU functionality, DNE limits for an affected DDG below the DDG's current MW output will be communicated verbally from the ISO Control Room to the applicable DDG's DE. Energy from these DDGs will be treated as though it were offered at \$-150/MWh and may set the Locational Marginal Price.
- Manual acknowledgement of a Normal dispatch instruction is **not** required; however compliance with the Dispatch Instruction is required in accordance with Offer Data without delay. (OP-14)
 - Manual acknowledgement of an Emergency dispatch instruction is required within 60 seconds. (OP-14)
- Under normal Dispatch Instructions, voice communications to ISO Control Room related to the Dispatch Instructions should be limited to only those pertaining to clarifying the Dispatch Instructions. (OP-14)
- In instances where Dispatch Instructions or any other orders must be issued verbally by ISO System Operators, the verbal communication shall take precedence over all other forms of communication. (OP-14)

If you have any questions or concerns regarding the contents of this memo or the expectations outlined herein, please contact Stephen George at 860-683-3299 or John Norden at 413-537-7699. Thank you in advance for your cooperation.

Peter Brandien

Vice President, System Operations