



To: NEPOOL Markets Committee, NEPOOL Reliability Committee

From: Jon Gravelin – Sr. Manager, Control Room Operations

Date: June 27, 2025

Subject: Implementation of ISO-NE Operating Procedure #4 on Tuesday June 24, 2025

As described further in this memo, on the evening of Tuesday, June 24, 2025, ISO New England implemented ISO New England Operating Procedure #4 – Action During a Capacity Deficiency (OP-4) in order to manage a deficiency in Operating Reserve. At 21:00 on June 23, 2025, in preparation for anticipated high temperatures and high system demand the following day, ISO New England declared Master Local Control Center Procedure #2 – Abnormal Conditions Alert (MLCC 2).

The New England 23-city weighted average forecasted temperature and dewpoint for the peak hour (Hour Ending 19) on June 24 were 94.0°F and 71.0° F, respectively. These conditions resulted in a peak load forecast of 25,800 MW. Actual 23-city weighted average temperature and dewpoint during the peak hour of the June 24 operating day were 95.6°F and 68.0°F, respectively, resulting in an actual peak hour integrated load of 26,024 MW.

ISO's June 24, 2025 [Morning Report](#) (published at 08:47) estimated a surplus capacity margin of 106 MW for the peak hour based on the expected interchange schedules and available resources including approximately 1,900 MW of generator outages and reductions. As the operating day progressed, prior to 16:00, aggregate generation capability increased by ~400 MW as ~800 MW of additional generation capability was made available primarily due to generators returning from outages. In the same timeframe, the capability of other generators was reduced in aggregate by ~400 MW for reasons such as ambient temperature reductions. Between 16:00 and 17:15, an additional ~1,060 MW of generating capability was reduced due to further unexpected generator reductions and outages. In total, approximately 2,550 MW of generator outages and reductions were occurring at the time of OP-4 implementation.

Based on Day Ahead Market results, ISO anticipated 3,011 MW of net imports during the peak hour of June 24. At 16:00, in order to mitigate a potential Operating Reserve deficiency, ISO began to reduce real-time export transactions in order to restore imports on the New York North (NYN) interface to Day Ahead cleared values. At the time of OP-4 Action 1 & 2 implementation, ISO had scheduled 3,060 MW of net imports.

As system demand increased into the late afternoon hours and as the system experienced numerous generator outages and reductions (as described above), ISO was no longer able to maintain Operating Reserve requirements. As a result, at 17:22, ISO implemented OP-4 Actions 1 & 2. At 17:40, as system demand continued to increase, OP-4 Action 3 & 5 were implemented in order to maintain Ten-Minute Reserves.

Later in the evening as load decreased and as some generation returned to service, ISO cancelled OP-4 Actions 3 & 5 at 20:30, followed by OP-4 Actions 1 & 2 at 21:00.

Action(s)	Implemented	Cancelled
M/LCC 2	6/23/25 21:00	6/25/25 21:00
OP-4 Action 1	17:22	21:00
OP-4 Action 2	17:22	21:00
OP-4 Action 3	17:40	20:30
OP-4 Action 5	17:40	20:30

CC: ISO Managers and Supervisors
Master Local Control Center Heads
John Pearson
James Woods
Daniel Patnaude