

**MINUTES OF THE
RELIABILITY COMMITTEE (RC) MEETING
HELD ON AUGUST 1, 2018
IN WESTBOROUGH, MASSACHUSETTS**

Attendee	Sector	Market Participant
M. Winkler	Chair	ISO New England Inc.
R. Stein	Vice Chair	
	Generation	Generation Group Member, NRG Power Marketing.
	Supplier	HQ Energy Services, PSEG Energy Resources & Trade
	Alternative Resource	SunEdison
M. Lyons	Secretary	ISO New England Inc.
R. Andrew	Transmission	Eversource Energy
C. Bowie	Transmission	Eversource Energy
D. Cavanaugh*	Publicly Owned/Supplier	Energy New England/Block Island
J. Dannels	Supplier	ConEd Energy
F. Etori	Transmission	VELCO
B. Forshaw*	Publicly Owned	CMEEC
W. Fowler	Generation/Supplier	Exelon, Dynegy, Calpine, Wheelabrator
J. Iafrati*	Supplier	Galt Power
D. Hurley	Alternative Resource/End User	Synapse Economics
S. Kirk	Supplier	Exelon Generation Company
A. Krish*	Generation	Generation Group Seat - Boreas Renewables
B. Kruse	Supplier	Calpine
J. Martin	Transmission	New England Power Company
B. McKinnon	Publicly Owned/End User	South Hadley Electric Light Department, Norwood Light Department, and New Hampshire Electric CoOp/Utility Services
D. Pierpont	Generation	CPV Towantic
M. Purdie	Generation	Dominion Energy Generation Marketing
J. Rotger	Supplier	Cross Sound Cable Company
A. Scarfone	Transmission	Eversource Energy
Guest		Affiliation
D. Bergeron*		Maine Public Utilities Commission
M. Caley		ISO New England Inc.
D. Capra		NESCOE
A. DiGrande		ISO New England Inc.

J. Elliott		ISO New England Inc.
L. Fink*		Maine Public Utilities Commission
S. George		ISO New England Inc.
M. Gonzalez		ISO New England Inc.
M. Heimgartner*		Maine Public Utilities Commission
R. Hunter		Calpine
E. Jacobi		FERC
A. McBride		ISO New England Inc.
B. Oberlin		ISO New England Inc.
E. Runge		Day Pitney
M. Scibelli		ISO New England Inc.
C. Sedlacek		ISO New England Inc.

*Participated by phone

Ms. Mariah Winkler welcomed the committee and reviewed the day's agenda.

There was a quorum in all sectors.

Item 2.0 – Operating Procedures

Item 2.1 – OP 24 – Relay Protection Outage, Settings and Coordination and OP 24A and OP 24B

Mr. Jerry Elliott (ISO) provided a review of the new OP 24 and Appendices OP 24A and OP 24B to reflect relay protection outages, settings and coordination.

In response to stakeholder questions, the ISO:

- Noted that the proposed effective date for providing information on the 345 kV relay settings has been revised and pushed back roughly 5 or 6 months. However, the effective dates for providing information on the voltage levels at 230 kV and below remain the same.
- In regards to the OP 24B spreadsheet, explained the expectation that stakeholders will review the document annually and resubmit to ISO if there are any changes to relay settings.
- Clarified that it will require information on any relays that reach out into the transmission system.

Noted that there are provisions for emergency relay setting changes.

Several stakeholders expressed concern regarding the costs associated with developing the PSSE model and the lack of a cost recovery mechanism.

The vote on this topic was deferred to a future Reliability Committee meeting.

Item 2.2 – OP 3 – Relay Protection Outage, Settings and Coordination

Mr. Jerry Elliott (ISO) reviewed the document revisions to provide coordination with new OP 24 content that addresses protection outage requirements.

The vote on this topic was deferred to a future Reliability Committee meeting.

Item 2.3 – OP 5 – Relay Protection Outage, Settings and Coordination

Mr. Jerry Elliott (ISO) reviewed the document revisions to provide coordination with new OP 24 content that addresses protection outage requirements.

The vote on this topic was deferred to a future Reliability Committee meeting.

Item 2.4 – OP 19 – Transmission Operations

Mr. Jerry Elliott (ISO) reviewed the document revisions to provide coordination with new OP 24 content that addresses protection outage requirements.

The vote on this topic was deferred to a future Reliability Committee meeting.

Item 2.5 – OP 21 – Emergency Inventory Accounting and Actions During an Energy Emergency

Stephen George (ISO) reviewed the document revisions to establish alert thresholds similar to those used under the Energy Emergency Alert (EEA) system in the NERC Standards.

In response to stakeholder questions, the ISO:

- Noted that there are three tiers of the alert system pertains to the depletion of reserves. FEEA I is tapping into 30 Minute Reserves. FEEA II is tapping into 10 minute reserves. FEEA III is when there are no reserves and there is the potential to shed load.
- In regards to contact with neighboring systems regarding imported power, that the ISO routinely has contact with our neighbors. In extreme weather conditions the ISO will be talking with them daily or more frequently as needed.

Several stakeholders offered suggestions to the proposed revisions including documenting the process for exiting an energy emergency and potentially clarifying when generators are allowed to burn emergency or back-up fuel during an Energy Emergency.

A vote on this topic will be taken at a future Reliability Committee meeting.

Item 2.6 – OP 21A – Emergency Inventory Accounting and Actions During an Energy Emergency

Mr. Stephen George (ISO) reviewed the document revisions to update Generator Fuel Inventory Survey.

In response to a question from the committee, ISO stated that there will not be a need to include permit limitations on the OP 21A form as ISO already has that information from other sources.

A vote on this topic will be taken at a future Reliability Committee meeting.

Item 3.0 – Impacts of Assumption Changes for ICR

Ms. Maria Scibelli (ISO) provided a review of the impacts of assumption changes to the ICR.

In response to stakeholder questions, the ISO:

- Noted that the new 700 MW Operating Reserve requirement will impact FCA 13 and all subsequent ARAs.
- Explained that the increase in EFORD was a result of several fossil fuel outages in 2011 & 2012. As EFORD is a rolling 5 year average, it is expected that these values would decrease in the coming years as those outages fall off the calculation.

Stakeholder provided the following comments:

- The NESCOE representative commented that the opposition to the increase of the reserve amount is not an official NESCOE position as stated in the posted presentation material, but rather was a position noted by a NESCOE representative. Following the meeting, a revised presentation was posted correcting this statement.
- The Maine PUC representative stated that they are opposed to the increase in the operating reserve requirement as well and that more information should be provided regarding what is the added reliability of the increased reserve requirement in the ICR calculation.
- The Synapse representative commented that it believes there is an existing bias in the ICR calculation due to the underestimation of the value of EE, PV and storage.
- The ENE representative commented that it also agrees that the increase in the operating reserve requirement is overly conservative.

Item 4.0 – Proposed Tariff Revision for the ICR Assumption Changes

Ms. Maria Scibelli (ISO) reviewed the Tariff changes associated with adjustment to voltage reductions and adjustments to peaking generation de-rate factors.

Minor clarification questions were asked and responded to by Ms. Scibelli.

A vote on this topic will be taken at a future Reliability Committee meeting.

Item 5.0 – Other Business

There was no other business for discussion.

Meeting Adjourned at 1:45 PM

Respectfully submitted,

_____/s/_____

Marc Lyons

Secretary, Reliability Committee