

**MINUTES OF THE  
PLANNING ADVISORY COMMITTEE (PAC)  
MEETING HELD ON JULY 17, 2024**

<b>Attendee</b>	<b>Affiliation</b>
Jody Truswell (Chair)	ISO New England
J. Macura (Secretary)	ISO New England
A. Ahmed	ISO New England
Z. Ahmed	ISO New England
S. Ali	NextEra Energy
S. Allen	Eversource Energy
B. Andrew	Eversource Energy
E. Annes	CT DEEP
P. Asarese	ISO New England
D. Bergeron	Maine Public Utilities Commission
J. Bihrlle	MA Attorney General's Office
D. Bradt	Oxford Power
J. Breard	ISO New England
J. Brodbeck	EDPR
D. Burnham	Eversource Energy
K. Caiazzo	MA Attorney General's Office
M. Caley	ISO New England
E. Chapin	Onward Energy
A. Chaplin	New Leaf
L. Cioffi	Rhode Island Energy
S. Cochran	Vital
M. Coleman	JERA Americas
R. Collins	ISO New England
D. Conroy	RLC Engineering
M. Courchesne	ISO New England
F. Dallorto	ISO New England
P. Das	ISO New England
E. de Santa	Glenvale Solar
B. Donmez	Long Road Energy
M. Doolin	Eversource Energy
M. Drzewianowski	ISO New England
L. Durkin	ISO New England
F. Etori	VELCO
J. Fenn	Fennco, LLC
P. Fitzgerald	SGC Engineering LLC
A. Foley	Glenvale Solar
B. Forshaw	Energy Market Advisors
M. Fossum	NH Office of Consumer Advocate

B. Fowler	Sigma Power Consulting
J. Fundling	Eversource Energy
A. Fuzaylov	Synpase
S. Garwood	NHT
R. Gaudet	CMEEC
R. Guay	Maine Public Utilities Commission
M. Haskell	Maine Public Utilities Commission
A. Hastings	Eversource Energy
J. Iafrati	CES
M. Ide	MMWEC
K. Jonassen	ISO New England
M. Keenan	Grid United
M. Kotha	ISO New England
N. Krakoff	Conservation Law Foundation
A. Krich	Boreas Renewables
F. Kugell	Avangrid (CMP/UI)
R. Lafayette	Rhode Island Energy
K. Lagunilla	Rhode Island Energy
S. Lamotte	ISO New England
A. Landry	Maine Office of Public Advocate
T. Lundin	LS Power
K. Mankouski	ISO New England
S. Marien	Eversource Energy
J. Martin	New England Power Company
T. Martin	New England Power Company
C. Mattioda	Synapse
A. McBride	ISO New England
B. McKinnon	Norwood
S. Molodetz	NextEra Energy
B. Oberlin	ISO New England
R. Panos	New England Power Company
E. Perez Cervera	ISO New England
D. Phelan	NH Dept. of Energy
F. Pullaro	RENEW
N. Raika	ISO New England
J. Rauch	Avangrid (CMP/UI)
C. Reed	ISO New England
C. Richards Jr.	Rhode Island Energy
B. Robertson	Eversource Energy
E. Ross	ISO New England
A. Rost	ISO New England
J. Rotger	CES
E. Runge	Day Pitney

D. Schwarting	ISO New England
J. Slocum	MA Dept. Transportation
C. Soderman	ISO New England
R. Somayajulu	New England Power Company
P. Sousa	South Coast Wind
K. Sreenivasachar	ISO New England
M. Stevens	Rhode Island Energy
B. Swalwell	Tangent Energy
T. Sweeney	NH Dept. of Energy
M. Valencia Perez	ISO New England
P. Vijayan	ISO New England
J. Walters	CT DEEP
M. Winne	ISO New England
A. Worsley	Stack Energy Consulting

**Item 1.0 – Chairs Remarks**

Ms. Jody Truswell welcomed PAC and reviewed the day’s agenda.

**Item 2.0 – Line 3041 and 3754 – Project Update**

Mr. Chris Soderman (Eversource) provided a project update for lines 3041 and 3754. Line 3041 runs 19.3 miles between Southington substation and Scovill Rock substation. This project has experienced many right of way (ROW) challenges due to the line’s terrain and environment. Following recent inspections, the scope of the 3041 project has been expanded to address 22 structures instead of 19, and to install strut insulators on five existing structures to mitigate conductor swing. The changes to project scope have increased the cost from \$11.6M to \$32.2M, and moved the projected in-service date from Q2 2024 to Q4 2025.

Line 3754 runs 11.9 miles between Southington substation and the Beseck substation. Recent inspections identified one priority D and two priority C rated lattice tower within the proximity of planned work on Line 3041. The 3754 project replaces three structures, and installs a strut insulator on one existing structure to mitigate conductor swing. The estimated cost for this project is \$7.4M (-25% / +50%), with an in-service date of Q1 2025.

In response to questions, Eversource issued the following statements:

- In reference to a November 2022 PAC presentation, Eversource confirmed that the Line 362 work (located in close proximity to Line 3041) is not encountering similar issues. The challenging terrain subject to environmental sensitivities can be found to the north and west of Black Pond Junction. Eversource anticipates the cost will come in under budget and the project is to be complete in 2025.
- Eversource attributes as one of its biggest lessons learned over the course of this project to estimating inaccuracies. Notably, Eversource stated it underestimated the significant layers of matting required for this project.

- The project’s scope does not include conductor replacements.
- A project’s overhead cost incorporates many different factors, such as escalation, support functions, and certain legal fees. As such, it is difficult for Eversource to pinpoint which factors are the leading contributors to overhead costs. The overhead cost for Line 3041 is not higher than normal.

The following comment was issued:

- A stakeholder felt certain obstacles listed as “lessoned learned” should have been reasonably foreseen and avoided.

### **Item 3.0 – Connecticut 2034 Needs Assessment – Scope of Work**

Mr. Fabio Dallorto (ISO-NE) presented the draft Connecticut 2034 Needs Assessment (NA) Scope of Work (SOW). The objective of the Connecticut 2034 NA is to evaluate the reliability performance and identify reliability-based needs within Connecticut for the year 2034. The NA takes into consideration load and resource changes based on the 2024 CELT report, Forward Capacity Auction (FCA) 18 results, contracts submitted for resources, updated transmission planning assumptions, and reliability over a range of generation patterns and transfer levels.

In response to stakeholder questions, ISO-NE issued the following statements:

- The ISO’s analysis is confined to the geographic limits of Connecticut and does not include neighboring regions. The study addresses sub-areas within Connecticut.
- Every ISO transmission study uses the 1200 MW limit on resource adjustments.
- The study assumes all conventional generators online will run at their maximum output. Renewable generation follows a different set of assumptions.

The following comment was issued:

- A stakeholder requested that the Connecticut study area map indicate all 69 kV lines within the system in the ISO’s final report.

### **Item 4.0 – Impacts of Updated Maine (ME) Interface Transfer Limits to Transmission Transfer Capabilities**

Mr. Alex Rost (ISO-NE) reviewed the changes in internal and external interface transfer capabilities within Maine, as well as provided an update on the New Brunswick (NB)-New England (NE) interface’s capacity import capability.

In response to stakeholder questions, ISO-NE issued the following statements:

- The updated Maine interface transfer limits triggered the ISO to review the impacts to the external interface.

- The ISO has not yet fully studied the post New England Clean Energy Connect (NECEC) impacts. The ISO finalized pre-NECEC values to facilitate the discussions at the June PAC meeting.
- The ISO is still developing a timeline for post-NECEC related transfer limits analysis results.
- The ISO is using the date provided in the queue as NECEC’s assumed in-service date.
- The ISO increased the NB–NE interface for capacity purposes. This increase is deliverable to the Maine load zone.
- The updated transfer limits are the result of NPCC Document A-10 revisions, which separated transfer limits from NPCC Bulk Power System (BPS) classification testing. Now, interface transfer limits are based solely on design contingencies.
- The ISO considers the 1,200 MW loss of source limit when evaluating new interconnection requests. The ISO assumes a 1,400 MW transfer capability on Phase II for capacity and reliability calculations.
- Regarding the study to evaluate the potential to increase New England’s loss of source limit, the ISO has hired a consultant and is actively engaged with PJM and NYISO studying the capacity transfer capability on the Central-East interface and the interface between PJM and NYISO. The ISO stated there would be a more formal update at the next IPSAC meeting in December. As of now, the ISO anticipates the study will conclude in July 2025, noting that the date is subject to study progress.
- There could be some potential impact to tie benefit inputs when looking at the 2025 Annual Reconfiguration Auction (ARA) ICR values.
- The presented analysis detailing the impacts of the Maine interfaces’ increase of transfer limits to the NB-NE interface’s capacity import capability focused on the Surowiec-South interface capability. The ISO conducted similar analysis studying an increase to the Orrington-South interface capacity import capability and will follow up with those results. The ISO confirmed this analysis did not show any binding conditions on the Orrington-South interface.
- At this time, the ISO is not “officially” providing overlapping impact results for new capacity north of both Surowiec and Orrington for the ongoing 2024 interim reconfiguration auction qualification process.
- The methodology used to examine the impacts on Maine interfaces’ increased transfer limits on the NB-NE interface capacity import capability is consistent the Tariff, as well as the previous increase to the NB-NE interface capacity import capability when the Orrington-South transfer limit increased as a result of the MPRP project (and as documented in an ISO answer to protests made to its FCA 6 informational filing).
- The ISO anticipates the post-NECEC analysis could trigger the ISO to re-analyze the capacity capability limits on the NB-NE interface.

A stakeholder issued the following comment:

- It is important to maximize the region’s capacity transfer capability limits. In June 2012, the Reliability Committee discussed this matter and RENEW proposed a solution. The stakeholder felt 12 years later New England is in the same predicament.

**Item 5.0 – Closing Remarks/Adjourn for the Day**

Ms. Truswell announced the next PAC meeting is on Wednesday, August 21, 2024.

**The meeting adjourned at 11:13 A.M.**

Respectfully submitted,

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Jillian Macura

Secretary, Planning Advisory Committee