MINUTES OF THE
PLANNING ADVISORY COMMITTEE (PAC)
MEETING HELD ON MAY 14, 2025

Name	Affiliation
S. Abhyankar	ISO New England (Chair)
J. Singh	ISO New England (Acting Secretary)
A. Fuzaylov	Synapse Economics
A. Gillespie	Calpine Energy Services, LP
A. Hastings	ISO New England Inc.
A. Kleeman	ISO New England Inc.
A. Krich	Boreas Renewables
A. Landry	Maine Public Advocate Office
A. Mitchell	New England Power Company
B. Blair	New Hampshire Dept. of Energy
B. Forshaw	Energy Marketing Advisors
B. Fowler	Sigma Power Consult
B. Oberlin	ISO New England Inc.
B. Thomson	Rhode Island Energy (Narragansett Electric Co.)
B. Wilson	ISO New England Inc.
C. Bilcheck	Breakthrough Innovations
C. Bothwell	Dept. of Energy
C. Reed	ISO New England Inc.
C. Richards Jr.	Rhode Island Energy (Narragansett Electric Co.)
C. Sooy	New England Power Company
D. Basler	CHA Consulting
D. Bradt	Oxford Power (consulting for NESCOE)
D. Burnham	Eversource Energy Service Company
D. Cavanaugh	Energy New England
D. Norman	Versant Power
D. Patnaude	ISO New England Inc.
E. Hernandez	Eversource Energy Service Company
E. Perez Cervera	ISO New England Inc.
E. Ross	ISO New England Inc.
E. Runge	Day Pitney
F. Ettori	Vermont Electric Power Company, Inc. (VELCO)
H. Braun	London Economics International LLC
H. Sulemanji	New York Power Authority
J. Adadjo	Eversource Energy Service Company
J. Anderson	SP Global

J. Babux	Eversource Energy Service Company
J. Bihrle	Massachusetts Office of the Attorney General
J. Bower	Daymark Energy Advisors
J. Brodbeck	Marble River, LLC
J. Cebrik	Avangrid
J. Donovan	Massachusetts Office of the Attorney General
J. Fenn	Versant Power
J. Fundling	Eversource Energy Service Company
J. Iafrati	Customized Energy Solutions (CES)
J. Kasow	ISO New England Inc.
J. Martin	New England Power Company
J. Rotger	Customized Energy Solutions (CES)
J. Ruzekowicz	ISO New England Inc.
J. St. Pierre	Central Maine Power Company
J. Talbert-Slagle	Connecticut Office of Consumer Counsel
J. Vaile	Eversource Energy Service Company
J. Walters	Connecticut Department of Energy and Environmental Protection
K. Caiazzo	Massachusetts Office of the Attorney General
K. Osman	Vermont Electric Power Company, Inc. (VELCO)
K. Quach	ISO New England Inc.
K. Schlichting	ISO New England Inc.
K. Sreenivasachar	ISO New England Inc.
M. Allen	Vermont Electric Power Company, Inc. (VELCO)
M. Caley	ISO New England Inc.
M. Coleman	JERA Americas Inc.
M. Drzewianowski	ISO New England Inc.
M. Haskell	Maine Public Utilities Commission
M. Ide	MMWEC
M. Krolewski	Vermont Public Utilities Commission
M. Perben	ISO New England Inc.
M. Scott	New England Power Company
M. Valencia	ISO New England Inc.
M. Winne	ISO New England Inc.
N. Hutchings	NextEra Energy Resources, LLC
P. Asarese	ISO New England Inc.
P. Bernard	ISO New England Inc.
P. Boughan	ISO New England Inc.
P. Lopes	MA DCAM
P. Vijayan	ISO New England Inc.
R. Albrecht	Unaffiliated

R. Guay	Maine Public Utilities Commission
R. Harvey	Sierra Club
R. Kornitsky	ISO New England Inc.
R. Panos	New England Power Company
R. Snook	Maine Governor's Energy Office
S. Allen	Eversource Energy Service Company
S. Ingalls	Unaffiliated
S. Keane	NESCOE
S. Lamotte	ISO New England Inc.
S. Nair	New England Power Company
S. Yasutake	Gabel Associates
T. Lundin	LS Power
T. Martin	New England Power Company
T. Snook	Vineyard Wind
W. Coste	ISO New England Inc.

Item 1.0 – Chairs Remarks

Mr. Shounak Abhyankar (ISO-NE) welcomed the committee and reviewed the day's agenda. The Chair also announced that the PAC's recording policy guidelines have been published on the PAC webpage.

Item 2.0 – 2024 Economic Study: Additional Results

Mr. Richrd Kornitsky, Ms. Elinor Ross, and Ms. Kim Quach (ISO-NE) presented on the bifacial tracking photovoltaic (PV) and accelerated decarbonization policy scenario sensitivities, which was followed by stakeholder-requested scenario final results and next steps.

In response to questions, the ISO issued the following statements:

- PV capital cost assumptions for all scenarios will be revised to reflect updated information. While these changes will be in the final results, they are expected to be minor and not drastically alter the preliminary findings.
- The use of "more economic" refers to greater carbon abatement.
- The ISO will review European bifacial vertical solar panel profiles.
- Single-axis tracking bifacial panels have performance increases in the winter, partly due to snow reflection; however, a seasonal breakdown of results is not yet available.
- A specific cost-to-consumer analysis has not been conducted but will be considered. Modeled load increase is driven by the selection of the most economically viable resources and assumed electrification of heating and vehicles.
- There is a one-year lag between a significant buildout of resources and a price peak. A price peak in 2041 is explained by the marginal carbon cost calculation, where the change in emissions is not as drastic after a large buildout. The cost increase in that instance was partially attributed to the high capital cost of building small modular reactors (SMRs).

- The load forecast in this study is based on the 2024 CELT values for the first ten years and the EPCET (Economic Planning for the Clean Energy Transition) study for the longer-term horizon. This combination allows for a forecast beyond the 10-year horizon of the CELT report.
- The analysis primarily examined total curtailment, noting it is most prominent midday. More detailed results on curtailment hours may be provided.

A stakeholder issued the following comment:

- Forecast costs may not accurately reflect the true cost to consumers, in part because of contractual arrangements. The stakeholder suggested that a true-up mechanism may be necessary later.

Item 3.0 – Scobie Pond 115 kV Substation Relay Upgrades

Mr. John Babu (Eversource) discussed the Scobie Pond 345/115 kV breaker-and-a-half substation in Derry, NH, where 15 lines terminate. This project targets replacement relays and communication equipment manufactured by General Electric. Eversource estimates that their preferred solution of replacing 8 GE relays with new Schweitzer relays and the removal of existing PLC schemes within the 115 kV yard will cost ~$6.22M with a projected in-service date of Q4 2027.

In response to questions, Eversource issued the following statements:

- Relay replacement focuses on documented obsolete relays among the roughly estimated two thousand on the transmission system. The criteria for obsolescence include specific antiquated firmware and a lifespan of approximately 15 years.
- The transition to Schweitzer Engineering Laboratories (SEL) for System 1 and 2 was decided six years ago and is now the Eversource standard. The organization considered the risks of a single vendor and benchmarked against transmission owners throughout North America. Eversource considers different relay models within the same vendor.

Item 4.0 – Closing Remarks/Adjourn

Mr. Abhyankar announced that the next PAC meeting is on Monday, June 16, 2025. He also reminded participants that the ISO is hosting a PAC forum on Grid Enhancing Technologies on Wednesday, June 18, 2025 at the DoubleTree in Westborough, MA with registration details to follow.

The meeting was adjourned at 10:13 A.M.

Respectfully submitted,

_____/s/_____

Jasleen Singh

Acting Secretary, Planning Advisory Committee