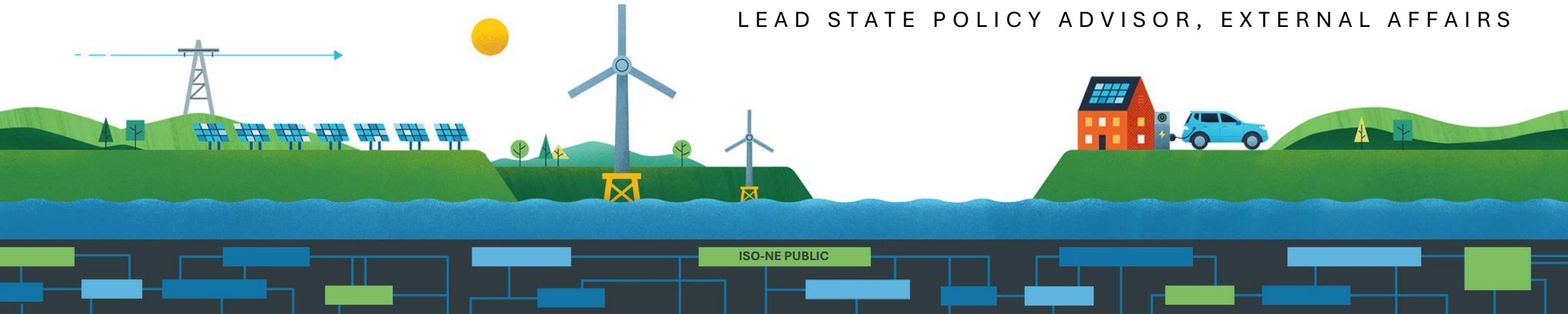
OCTOBER 13, 2026 | SOUTH PORTLAND, ME

ISO-NE Longer-Term Transmission Planning & 2025 Procurement

E2Tech Forum

Melissa Winne

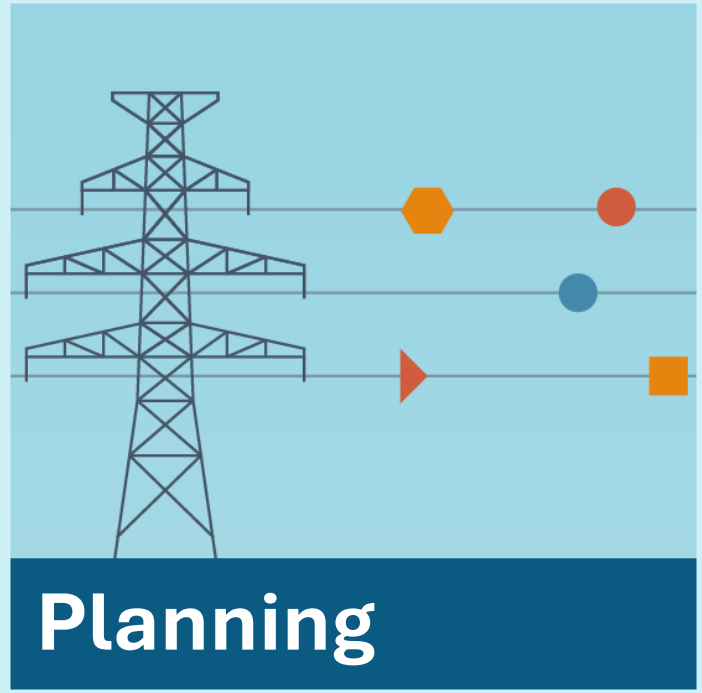
LEAD STATE POLICY ADVISOR, EXTERNAL AFFAIRS



ISO New England Performs Three Critical Roles to Ensure Reliable Electricity at Competitive Prices

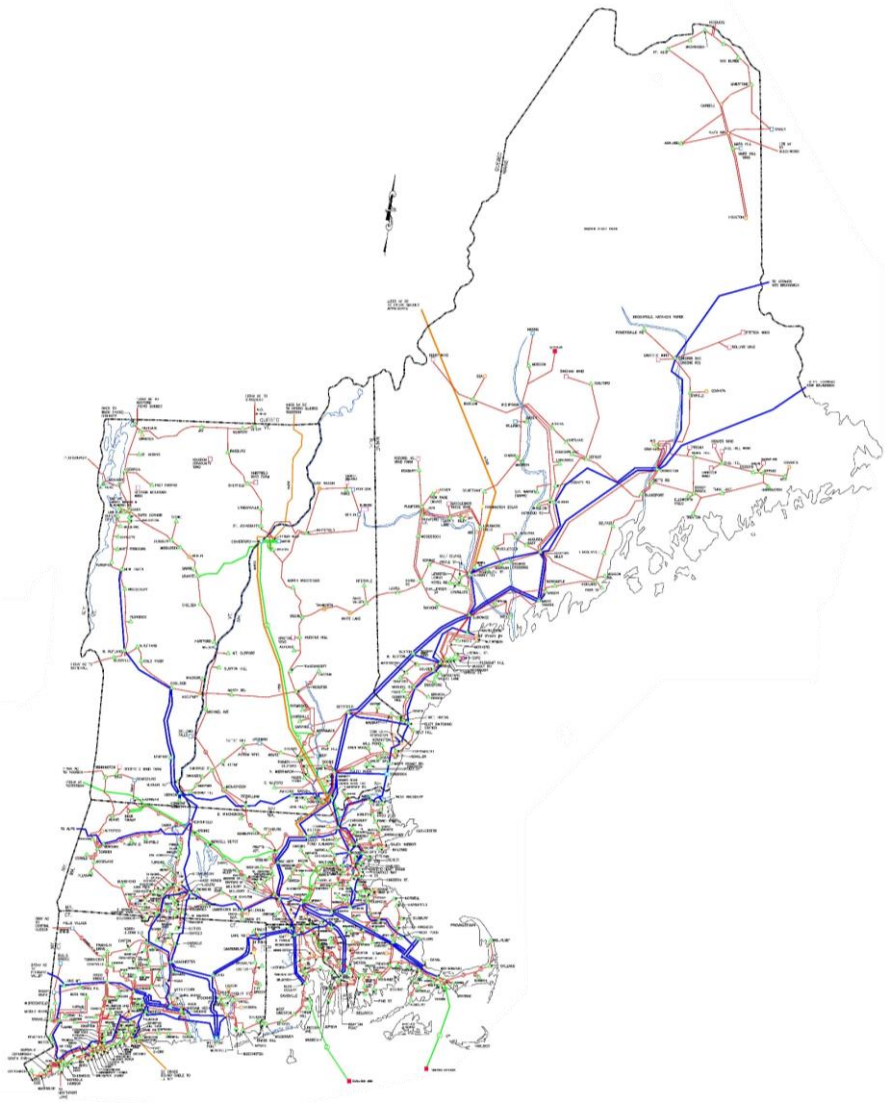






New England's Transmission Grid Is the Interstate Highway System for Electricity

- Part of **Eastern Interconnection**, one of four large power grids in North America
- **9,000 miles** of high-voltage transmission lines (primarily 115 kV and 345 kV)
- **14 transmission interconnections** to power systems in New York and Eastern Canada

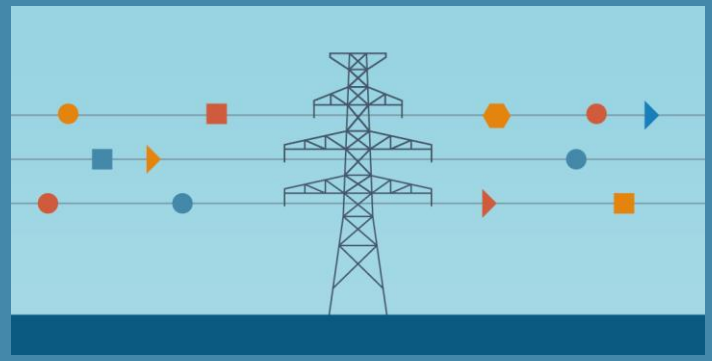


ISO Engaged with Regional Stakeholders on NESCOE Planning Recommendations



ISO works closely with regional stakeholders, electricity consumers and the New England states, including the **New England States Committee on Electricity (NESCOE)**

- NESCOE is a not-for-profit entity that represents the collective perspective of the six New England Governors in regional electricity matters



In **2020,** NESCOE released the "***New England States' Vision for a Clean, Affordable, and Reliable 21st Century Regional Electric Grid***"

- Included a recommendation that the ISO work with stakeholders to establish a **comprehensive long-term regional transmission study process**

FERC Approved New Process for Longer-Term Transmission Planning

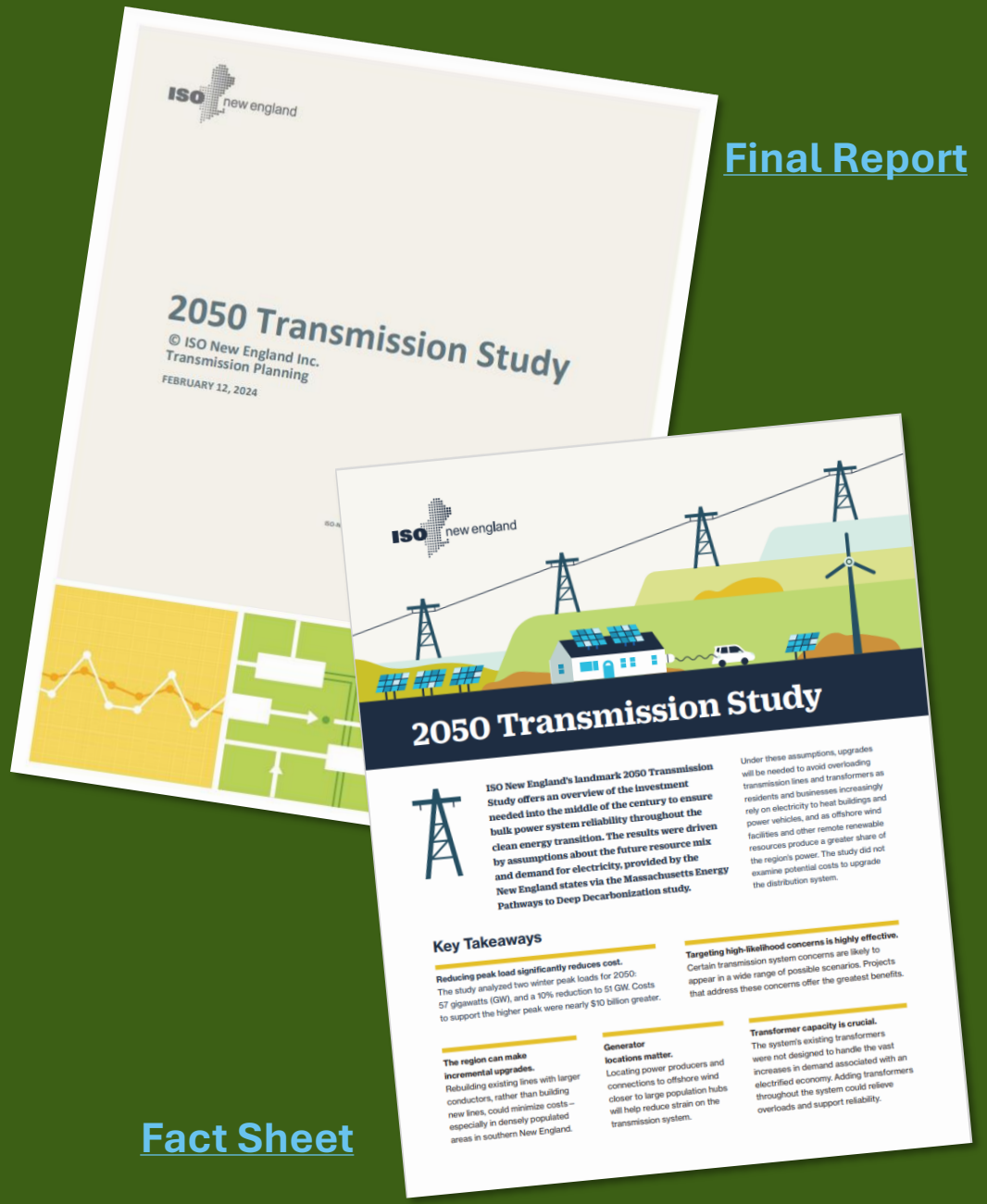
- In response to NESCOE's recommendation, ISO engaged stakeholders to develop proposed changes to file with FERC for approval
- **2022:** FERC approved changes to the ISO Tariff to establish the Longer-Term Transmission Planning (LTTP) process
  - Created a repeatable longer-term transmission study (LTTS) process
- **2024:** FERC approved changes to establish a process to enable the states, through NESCOE, to procure solutions to address needs identified by a LTTS, with provisions for cost allocation
  - Effort for this phase of changes began with stakeholder engagement in 2023

Learn more: **Longer-Term Transmission Studies**



ISO Analyzed Future Grid Scenarios in First Longer-Term Transmission Study (LTTS)

- In 2024 the ISO published the first LTTS, the 2050 Transmission Study
  - Scenario inputs for the study were provided by NESCOE, based on state analysis for load forecasts and resource mixes in 2035, 2040 and 2050
- Analyzed the amount and type of **transmission infrastructure** necessary to provide reliable energy to the region through the **clean energy transition**, driven by state policy

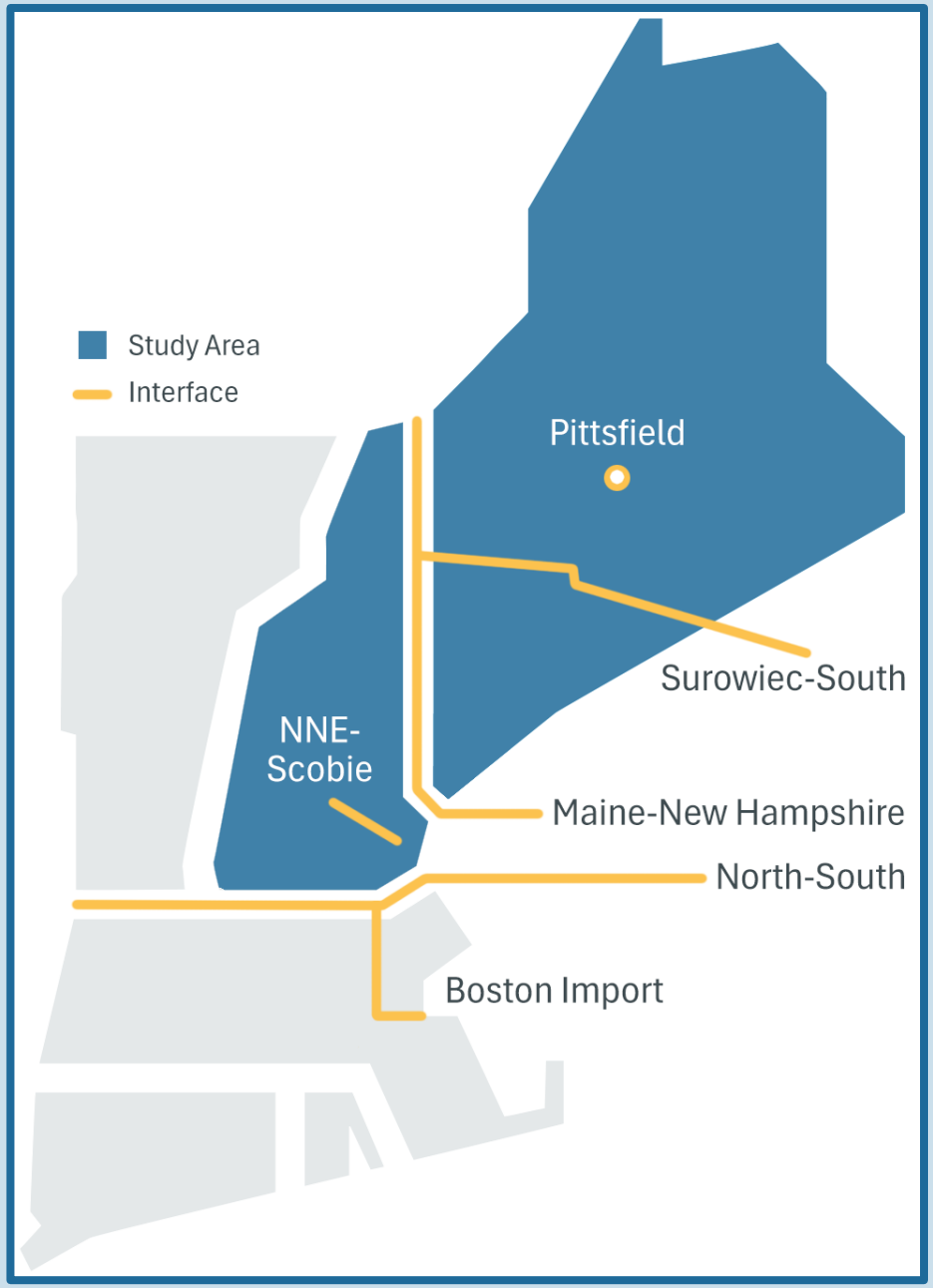


Final Report

Fact Sheet

NESCOE Identified Needs for First LTTP Request for Proposals

- In December 2024, NESCOE issued a **letter** requesting that ISO issue an RFP to address the following needs by 2035:
  - Increase **Surowiec-South** interface limit to at least 3,200 MW
  - Increase **Maine-New Hampshire** interface limit to at least 3,000 MW
  - Accommodate the interconnection of at least 1,200 MW of new onshore wind at or near **Pittsfield, ME**



ISO Reviewed the Six 2025 LTTP RFP Proposals

- ISO reviewed proposals based on various factors, including:

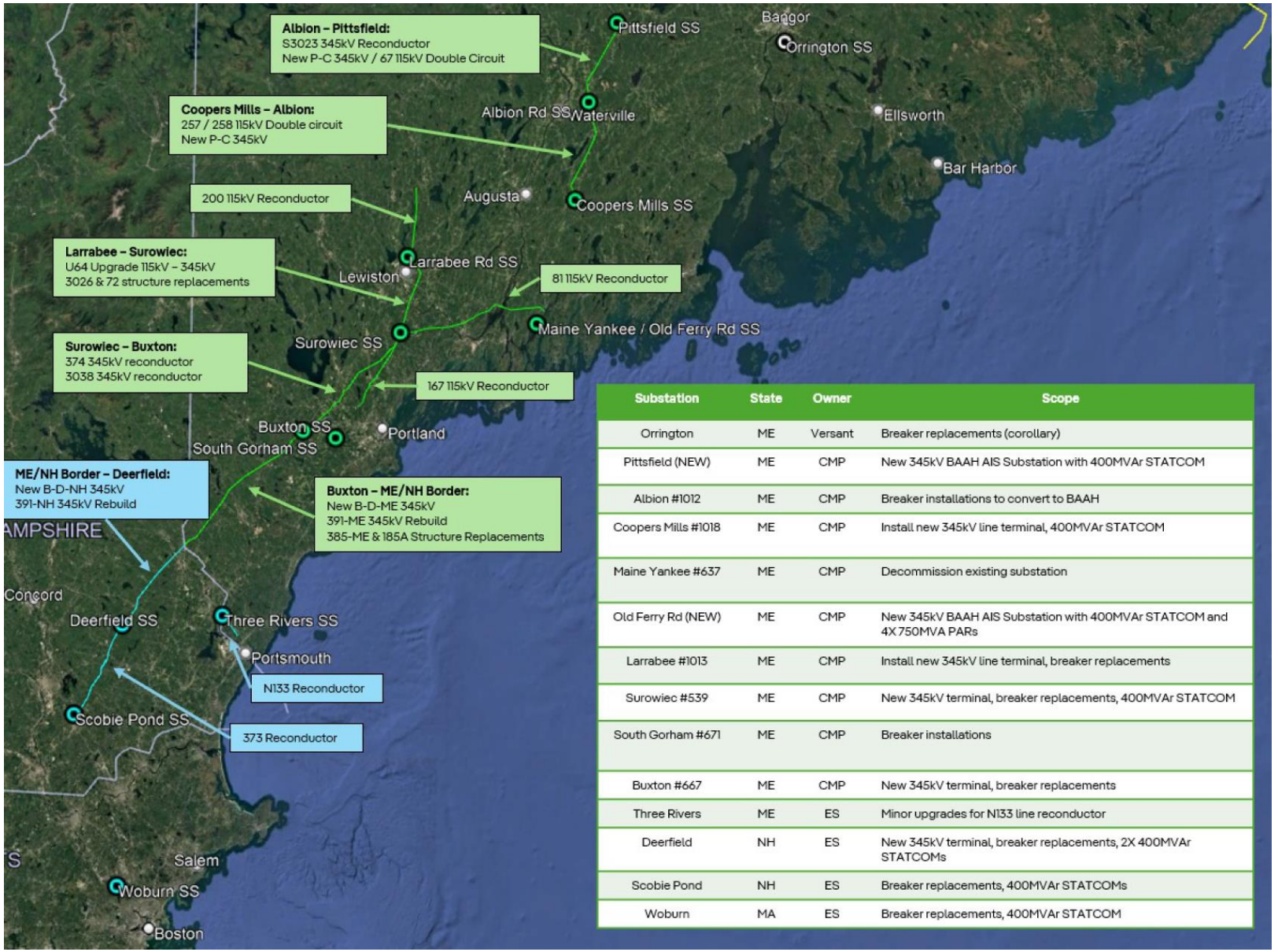


  - Requirements of the RFP
  - Technical feasibility
  - Cost and benefit to the region
  - Constructability
  - Financial capability
  - Evaluation priorities identified by NESCOE

X

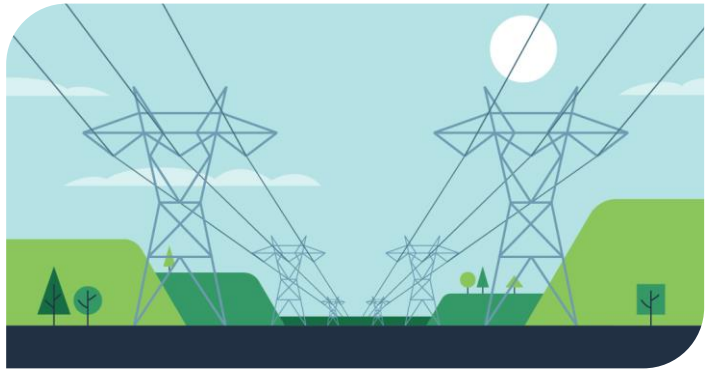
Some proposals were disqualified throughout the review process for not meeting Tariff, RFP, or technical requirements

In August, ISO-NE Finalized Selection of Proposal A1 from Central Maine Power and Eversource as Preferred Solution



Substation	State	Owner	Scope
Orrington	ME	Versant	Breaker replacements (corollary)
Pittsfield (NEW)	ME	CMP	New 345kV BAAH AIS Substation with 400MVAr STATCOM
Albion #1012	ME	CMP	Breaker installations to convert to BAAH
Coopers Mills #1018	ME	CMP	Install new 345kV line terminal, 400MVAr STATCOM
Maine Yankee #637	ME	CMP	Decommission existing substation
Old Ferry Rd (NEW)	ME	CMP	New 345kV BAAH AIS Substation with 400MVAr STATCOM and 4X 750MVA PARs
Larrabee #1013	ME	CMP	Install new 345kV line terminal, breaker replacements
Surowiec #539	ME	CMP	New 345kV terminal, breaker replacements, 400MVAr STATCOM
South Gorham #671	ME	CMP	Breaker installations
Buxton #667	ME	CMP	New 345kV terminal, breaker replacements
Three Rivers	ME	ES	Minor upgrades for N133 line reconductor
Deerfield	NH	ES	New 345kV terminal, breaker replacements, 2X 400MVAr STATCOMs
Scobie Pond	NH	ES	Breaker replacements, 400MVAr STATCOMs
Woburn	MA	ES	Breaker replacements, 400MVAr STATCOM

NESCOE Decided to Move Forward with Established Cost Allocation Methodology



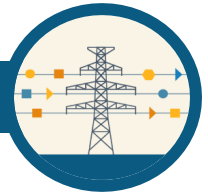
In September 2026, NESCOE issued a letter:

- Acknowledging selection of LTP A1 as the preferred solution
- Confirming NESCOE did not propose an alternate cost allocation



Costs of the selected project will be regionalized based on each state's percentage share of peak electricity demand

Learn more on the **ISO Newswire**



Preferred Solution Will Help Address Longstanding Constraints & Strengthen Regional Connections

- As outlined by NESCOE in their request, the objectives of the 2025 LTTP RFP were to:
  - ✓ Strengthen the connection between northern and southern New England
  - ✓ Facilitate the integration and deliverability of additional generation resources located in Maine
- Diverse stakeholder feedback helped to inform the LTTS and RFP



Establishment of LTTP process and first RFP demonstrates *strong collaboration* among the six New England states and stakeholders

About the Presenter



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