



RSP Project List and Asset Condition List March 2026 Update

Planning Advisory Committee Meeting

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Highlights of the RSP Project List Update

- **Major cost estimate changes greater than \$5M that occurred between the October 2025 and March 2026 Project Lists**
 - (MA) New East Eagle 115 kV station between Mystic and Chelsea (RSP 1745)
 - Cost reduction of \$10.4M is a result of construction costs coming in under budget and mitigation of potential cost risk. The project was presented at [the March 2023 PAC](#)
- **No new projects**
- **Three upgrades have been placed in-service since the October 2025 update**
 - (RI) RI 2028 Short Circuit Solutions – one project
 - (MA) New East Eagle 115 kV station between Mystic and Chelsea – one project
 - (MA) SEMA/RI – one project
- **No cancelled projects since the October 2025 update**

March 2026 RSP Project List Update

- No new projects



March 2026 RSP Project List Update, cont.

- Three upgrades have been placed in-service since the October 2025 update

Project ID #	Transmission System Upgrades	Cost (in millions \$)	Primary Equipment Owner	Improvement/Need
1915	Replace three 115 kV circuit breakers at the Woonsocket substation (RI) RI 2028 Short Circuit Solutions	2.9	Rhode Island Energy	Resolve short circuit issues in the area
1745	New East Eagle 115 kV station between Mystic and Chelsea (MA)	62.9	Eversource	Resolve load serving issues in the area
1732	Loop 201-502 line into Medway #65 Substation to form the 201-502N and 201-502S lines (MA) SEMA/RI	22.7	Eversource	Resolve load serving issues in the area

March 2026 RSP Project List Update, cont.

- **Cost Estimate Comparisons of Reliability Projects October 2025 vs. March 2026 Update**

	As of Oct. 2025 Plan Update	As of Mar. 2026 Plan Update	Change in Plan Estimate
MAJOR PROJECTS ***			
Southeast Massachusetts/Rhode Island Reliability (SEMA/RI)	445	441	-4
Upper Maine (UME) 2029 Solutions	151	151	0
Boston 2033 Solutions	26	26	0
SUBTOTAL **	622	618	-4
OTHER PROJECTS	12781	12774	-7
NEW PROJECTS	0	0	0
TOTAL **	13404	13393	-11
Minus 'in-service'	-13023	-13111	-88
Aggregate estimate of active projects in the Plan **	381	282	-99

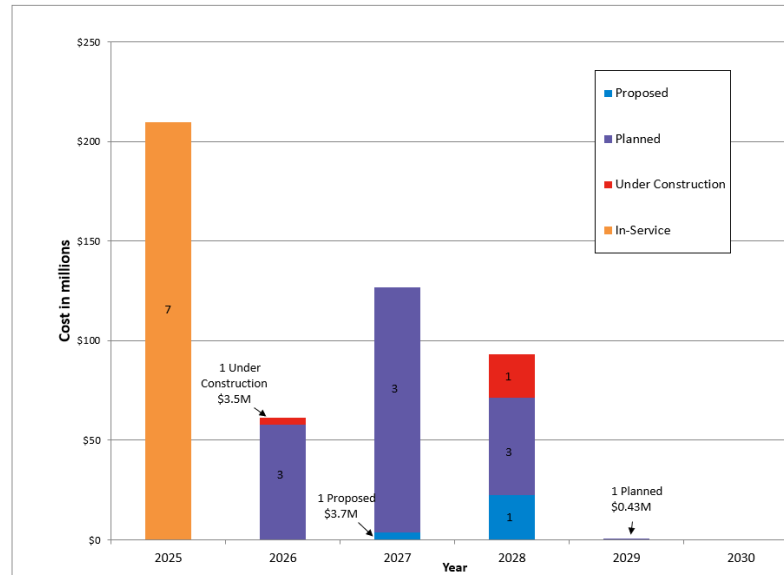
* Transmission Owners provided all estimated costs, which may not meet the guidelines described in Planning Procedure 4, Attachment D.

** May not sum exactly due to rounding.

*** The cost estimates for projects in the "Major Projects" category are moved to the "Other Projects" category once they are fully completed.

March 2026 RSP Project List Update, cont.

- Investment of New England Transmission Reliability Projects by Status through 2030

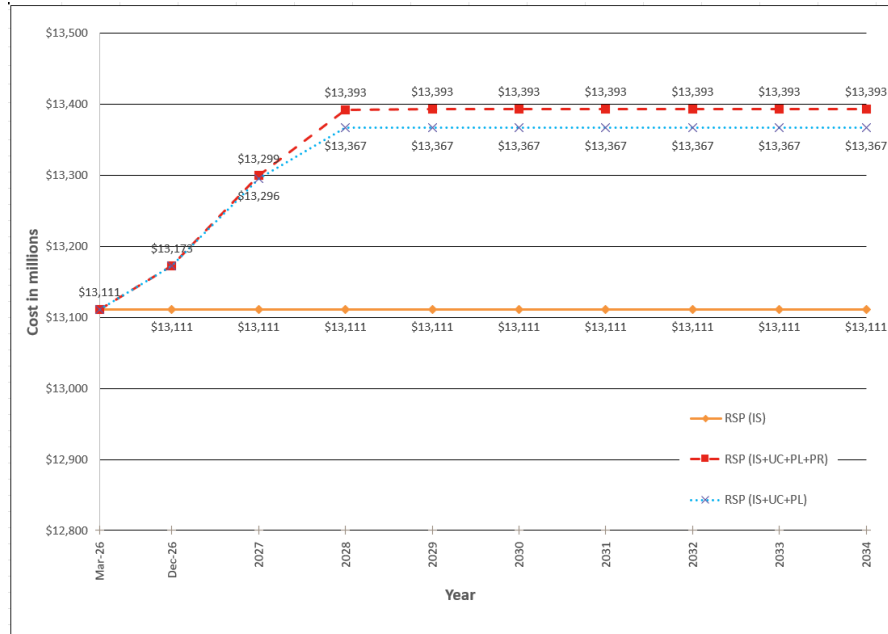


* Numbers shown represent project quantities.

** Future total \$ are shown at the end of the project. Totals do not reflect or show phasing in over time or the depreciation of prior projects. Total costs are associated with the year projects are placed in-service as reported in the Project List.

March 2026 RSP Project List Update, cont.

- Cumulative Investment of New England Transmission Reliability Projects through 2034



* IS – In Service, UC – Under Construction, PL – Planned, PR – Proposed

** Future total \$ are shown at the end of the project. Totals do not reflect or show phasing in over time or the depreciation of prior projects. Total costs are associated with the year projects are placed in-service as reported in the Project List.

March 2026 RSP Project List Update, cont.

- Reliability Project Counts and Aggregated Cost Estimates by Project Stage with Applied Accuracy Ranges*

Project Stage (Status)	Component / Project / Plan Count	Estimate Range		Estimated Costs (\$millions)	Range	
		Minimum	Maximum		Minimum	Maximum
					(\$millions)	
Proposed	2	-25%	25%**	26	20	33
Planned	10	-25%	25%	230	173	288
Under Construction	2	-10%	10%	25	23	28
Total Plan	14			*** 282	215	348
In-Service ****	3	-10%	10%	88	80	97
Cancelled	0	-25%	25%	0	0	0

* All costs are provided by Transmission Owners. The costs in the table reflect all projected in-service dates.

** All estimates may not yet be at this level of accuracy; many estimates may be -25%/+50%.

*** May not add up due to rounding.

**** In-Service projects are those projects that went into service since the last update.

Status of Major Transmission Projects

	PPA	TCA	Construction
Southeast MA/RI Reliability (SEMA/RI)	Approved 5/2017, 4/2018, 10/2023	Submitted	2018 - 2027
Boston 2033 Solutions	Not Approved	Not Submitted	2027 - 2028
Upper Maine (UME) 2029 Solutions	Approved 2/2022, 4/2024 (Versant Power) Approved 5/2022, 8/2023 (Avangrid)	Submitted (Versant Power) Not Submitted (Avangrid)	2024 - 2028

ASSET CONDITION LIST UPDATE



Highlights of the Asset Condition List Update

- **Major cost estimate changes greater than \$5M that occurred between the October 2025 and March 2026 Asset Condition Lists**
 - (CT) UI Coastal Substation Flood Mitigation Study (ACL 21)
 - Cost increase of \$17.0M in labor and equipment, engineering, permitting and AFUDC. The project was presented at [the December 2025 PAC](#)
 - (MA) Canal Station #980 BPS and Asset Condition Upgrade Project (ACL 90)
 - Cost reduction of \$11.0M is a result of mitigation of potential cost risks and final material actual costs coming in under previous budget. The project was presented at [the August 2023 PAC](#)
 - (CT) Derby Junction to Ansonia Corridor 115 kV Transmission Upgrades (ACL 239)
 - Cost increase of \$7.6M in labor and equipment, engineering, and more clear understanding of environmental conditions. The project was presented at [the July 2023 PAC](#)
 - (NH) Greggs Substation Rebuild (ACL 351)
 - Cost reduction of \$34.1M is a result of mitigation of potential significant cost risks. The project was presented at [the October 2022 PAC](#)
 - (CT) South Naugatuck to Devon Rebuild - Segment 3 (West Devon Jct. - Devon substation) (ACL 373)
 - Cost increase of \$5.1M to reflect refined project definition and engineering. The project was presented at [the February 2023 PAC](#)
 - (NH) Northern New Hampshire 115kV Line Rebuilds - U199 Line (ACL 388)
 - Cost reduction of \$10.8M is a result of mitigation of potential risks and reduction in overall schedule. The project was presented at [the May 2023 PAC](#)
 - (NH) Laminated Wood Structure Replacement Program Phase III and OPGW - I158 (ACL 410)
 - Cost reduction of \$8.2M is a result of market and contractor availability. The project was presented at [the June 2023 PAC](#)
 - (CT) Hurd State Park and CT River Crossing Rebuild Project - Lines 362, 376, 1772 (ACL 431)
 - Cost increase of \$19.6M due to additional design and engineering analysis around the river crossing and inflation. The project was presented at [the January 2026 PAC](#)

Highlights of the Asset Condition List Update, cont.

- **16 new projects totaling \$376.4M**
 - Details on the next few slides
- **18 upgrades have been placed in-service since the October 2025 update totaling \$560.4M**
 - Details on the next few slides
- **No cancelled projects since the October 2025 update**

March 2026 Asset Condition List Update

- **16 New Projects**

Project ID #	Transmission System Upgrades	Cost (in millions \$)	Primary Equipment Owner
506	NERC CIP-014 – Physical Security Upgrades – EMA Round 2/Site 5 (Massachusetts)	0.9	Eversource
507	NERC CIP-014 – Physical Security Upgrades – CT Round 3/Site 1 (Connecticut)	1.9	Eversource
508	NERC CIP-014 – Physical Security Upgrades – CT Round 3/Site 3 (Connecticut)	1.6	Eversource
509	1870S Wood River-Shunock Line Rebuild (Rhode Island)	21.2	Rhode Island Energy
510	NERC CIP-014 Physical Security Upgrades – EMA Round 2 /Site 3 (Massachusetts)	1.9	Eversource
511	323 345 KV Line Asset Condition Refurbishment (Massachusetts)	88.2	National Grid, USA
512	Line 1803 OPGW Installation Project (Massachusetts)	5.9	Eversource

March 2026 Asset Condition List Update, cont.

- **16 New Projects**

Project ID #	Transmission System Upgrades	Cost (in millions \$)	Primary Equipment Owner
513	NERC CIP-014 - Physical Security Upgrades - CT Round 3/Site 2 (Connecticut)	2.7	Eversource
514	Belmont #98 Asset Replacements (Massachusetts)	7.3	National Grid, USA
515	Lines 1670 & 1771 Southington to Berlin Rebuild Project (Connecticut)	143.2	Eversource
516	New Hampshire Asset Condition Structure Replacements - Line 367 (New Hampshire)	32.4	Eversource
517	New Hampshire Asset Condition Structure Replacements - Line A126 (New Hampshire)	7.4	Eversource
518	New Hampshire Asset Condition Structure Replacements - Line A152 (New Hampshire)	38.1	Eversource
519	New Hampshire Asset Condition Structure Replacements – Line B143 (New Hampshire)	5.6	Eversource

March 2026 Asset Condition List Update, cont.

- **16 New Projects**

Project ID #	Transmission System Upgrades	Cost (in millions \$)	Primary Equipment Owner
520	New Hampshire Asset Condition Structure Replacements - Line K174 (New Hampshire)	5.5	Eversource
521	New Hampshire Asset Condition Structure Replacements – Line M127 (New Hampshire)	12.5	Eversource

March 2026 Asset Condition List Update, cont.

- **18 Projects Placed In-Service**

Project ID #	Transmission System Upgrades	Cost (in millions \$)	Primary Equipment Owner
90	Canal Station #980 BPS and Asset Condition Upgrade Project (Massachusetts)	30.2	Eversource
157	Rebuild 8804A Line (Woodmont - Allings Crossing) (Connecticut)	51.8	United Illuminating Company
158	Rebuild 8904B Line (Woodmont - Allings Crossing) (Connecticut)	51.8	United Illuminating Company
239	Derby Junction to Ansonia Corridor 115 kV Transmission Upgrades (Connecticut)	78.5	United Illuminating Company
317	Edgar Station #150 Brown Glass and Obsolete Equipment Replacement (Massachusetts)	3.6	Eversource
351	Greggs Substation Rebuild (New Hampshire)	38.0	Eversource
388	Northern New Hampshire 115 kV Line Rebuilds - U199 Line (New Hampshire)	60.1	Eversource

March 2026 Asset Condition List Update, cont.

- **18 Projects Placed In-Service**

Project ID #	Transmission System Upgrades	Cost (in millions \$)	Primary Equipment Owner
410	Laminated Wood Structure Replacement Program Phase III and OPGW - I158 (New Hampshire)	17.2	Eversource
413	Structure Replacements & OPGW Installations - 364 Line (Connecticut)	10.3	Eversource
437	339 and 349 345 kV Line Asset Condition Refurbishment (Massachusetts)	74.8	National Grid, USA
439	O-141/P-142 115 kV Line Asset Condition Refurbishment (Massachusetts)	39.0	National Grid, USA
453	A-1 & B-2 69 kV Line Asset Condition Project - NH Portion (New Hampshire)	36.7	National Grid, USA
454	A-1 & B-2 69 kV Line Asset Condition Project - VT Portion (Vermont)	22.7	National Grid, USA
458	1356 115 kV Line Asset Condition Structure Replacements Project (Massachusetts)	4.8	Eversource

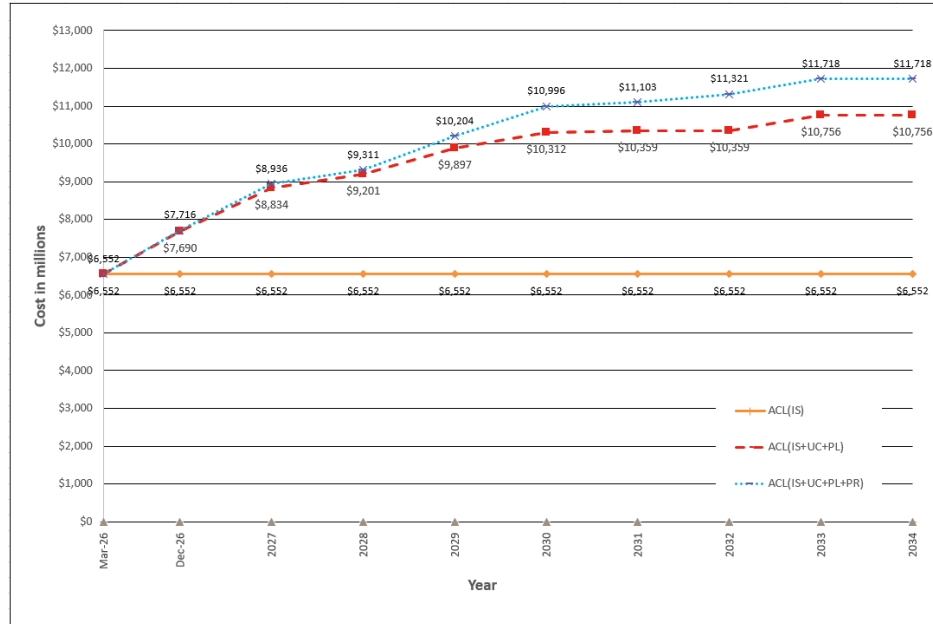
March 2026 Asset Condition List Update, cont.

- **18 Projects Placed In-Service**

Project ID #	Transmission System Upgrades	Cost (in millions \$)	Primary Equipment Owner
459	387 345 kV Line Asset Condition Structure Replacements Project (Connecticut)	4.9	Eversource
464	NERC CIP-014 - Physical Security Upgrade (Rhode Island)	25.4	Rhode Island Energy
486	Orchard Substation – 115 kV Circuit Breaker Asset Condition Replacement (Massachusetts)	4.6	Eversource
512	Line 1803 OPGW Installation Project (Massachusetts)	5.9	Eversource

March 2026 Asset Condition List Update, cont.

- Cumulative Investment of New England Asset Condition Projects through 2034

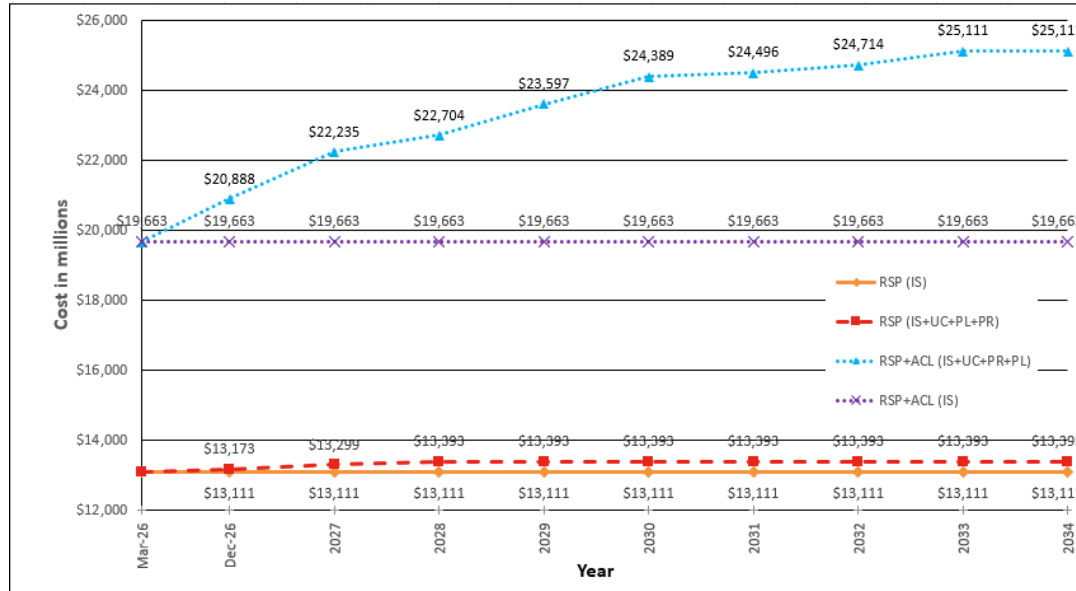


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** Future total \$ are shown at the end of the project. Totals do not reflect or show phasing in over time or the depreciation of prior projects. Total costs are associated with the year projects are placed in-service as reported in the Project List.

March 2026 Asset Condition List Update, cont.

- Cumulative Investment of New England Transmission Reliability and Asset Condition Projects through 2034



* IS – In Service, UC – Under Construction, PL – Planned, PR – Proposed

** Future total \$ are shown at the end of the project. Totals do not reflect or show phasing in over time or the depreciation of prior projects. Total costs are associated with the year projects are placed in-service as reported in the Project List.

Next Steps

- Please provide comments related to the project lists to pacmatters@iso-ne.com by April 8, 2026
- The final version of the RSP Project list, Asset Condition list, and the presentation will be posted on the [RSP Project List and the Asset Condition List](#) website, along with responses to any written stakeholder feedback received, following the comment period

APPENDIX



RSP Project List

- **Project List Column Definitions for**
 - Reliability Projects
 - Interconnection Projects
 - Market Efficiency Upgrades
 - Elective Projects

RSP Project List – Column Definitions

- **Part Number (Part #)**
 - The Part #'s designate the 'need' category of the project*
 - Part 1: these projects are Reliability Upgrades
 - 1a Planned (must be the preferred solution to solve the needs and if required, have I.3.9 approval) or Under Construction
 - 1b Proposed (is supported by a Solutions Study or a Competitive Solution Process)
 - Part 2: these projects are Generator Interconnection Upgrades
 - 2a Planned (I.3.9 approval with Interconnection Agreement including FCM related transmission upgrades to meet the Capacity Capability Interconnection Standard), or Under Construction
 - 2b Proposed (at a minimum, a completed System Impact Study and I.3.9 approval but no Interconnection Agreement)
 - Part 3: these projects are Market Efficiency Upgrades
 - 3a Planned (must be the preferred solution to solve the needs and have I.3.9 approval) or Under Construction
 - 3b Proposed (is supported by a Competitive Solution Process)
 - Part 4: these projects may be promoted by any entity electing to support the cost of transmission changes. The entity sponsoring the changes will have their own justification for their actions
 - 4a Planned (I.3.9 approval with Interconnection Agreement) or Under Construction
 - 4b Proposed (I.3.9 approval but without Interconnection Agreement)

* Original categories are not changed when a project is placed 'In-Service' or 'Cancelled'.

RSP Project List – Column Definitions, cont.

- **Project ID**
 - The Project ID is generated by ISO-NE System Planning
- **Primary Equipment Owner**
 - The company listed here is the responsible equipment owner/provider designated to design and implement the project
- **Other Equipment Owner**
 - For projects that involve multiple Transmission Owners, the company listed here is also a responsible equipment owner/provider designated to design and implement the project
- **Projected Month/Year of In-Service**
 - The month/year entered is the date the project is expected to be placed in service
- **Major Project**
 - Name is given to a project that consists of smaller subprojects
- **Project/Project Component**
 - The month/year entered is the date the project is expected to be placed in service
 - A brief, high-level description of the project is entered her
 - Includes major pieces of substation equipment and/or types of line work to be performed

RSP Project List – Column Definitions, cont.

- **Status**
 - In Service
 - The project has been placed in operation
 - Under Construction
 - The project has received necessary approvals and a significant level of engineering or construction is underway
 - Planned
 - A regulated transmission solution upgrade that has been approved by the ISO pursuant to Section I.3.9 of the Tariff if required, or
 - An interconnection related transmission upgrade that has been approved by the ISO pursuant to Section I.3.9 of the Tariff with Interconnection Agreement
 - Proposed
 - A regulated transmission solution that has been selected by the ISO in response to a Needs Assessment and communicated to PAC, or
 - An interconnection related transmission upgrade that has been approved by the ISO pursuant to Section I.3.9 of the Tariff, but without Interconnection Agreement
 - Cancelled
 - Project has been cancelled

* On December 10, 2019, FERC accepted Tariff changes that removed the 'Concept' category.

RSP Project List – Column Definitions, cont.

- **PPA Approval (Review of Market Participant’s Proposed Plans)**
 - A date in this column signifies when the project received approval pursuant to Section I.3.9 of the ISO-New England Tariff. This approval indicates that the project will have no adverse impact on the stability, reliability, or operating characteristics of the system.
 - A ‘no’ indicates that an approval is required, but has not been received yet
 - An ‘NR’ indicates that an I.3.9 approval is not required
- **TCA Approval (Transmission Cost Allocation)**
 - A date in this column signifies when the project PTF costs were reviewed and approved. This approval indicates that it has been agreed whether, and by how much, the scope of the project and associated costs exceed regional needs
 - An ‘NR’ indicates that a TCA approval is not applicable because the project has been cancelled, has no/minimal PTF cost, or is associated with the interconnection of a resource or Elective Transmission Upgrade
- **Estimated Costs**
 - The PTF project cost estimate presented here should be the best estimate available. It is understood that the estimate accuracy may vary dependent on the maturity of the project. Accuracy tolerances for these estimates are targeted as follows:
 - Proposed Project that has been reviewed and approved to proceed by ISO-NE (+50%/-25%)
 - I.3.9-Approved Project (+/-25%), and
 - TCA-Approved Project (+/-10%)
 - An “NR” indicates that the project cost is not eligible for regionalization