1. Project Background

Project Title: Pole Integrity 2025	Project Number: CD02444
Date Prepared: 06/10/2025	**Company:** Eversource CT
Organization: Electric System Operations	**Project Category:** POLE INTEGRITY PROGRAM
Initiating Organization: Distribution	**Project Type:** Specific
Project DDE: [redacted]	**Capital Investment part of 5-year plan?** Yes
Project Manager: [redacted]	**Emergency Related Request?** No
Project Sponsor: [redacted]	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Current Authorized Amount: $7,050k	**Approved In-Service Date: 12/31/2025**
Supplement Request: $2,503k	**Estimated In-Service Date: 12/31/2025**
Total Capital Request: $9,553k	**Authorization Type:** Supplement Request
	Reason: Cost Overage

This initiative captures the cost necessary to replace or reinforce wood poles found during the annual pole inspections that cannot remain in service due to leaning, loss of strength from decay or insect infestation.

Starting in 2024, it has been noted that the cost to replace each pole has increased 11% , or from $8,591 to approximately $9,553. Additionally, the number of poles historically identified and budgeted for replacement during the inspection process has increased from 820 to 1,000. This increase is due to the implementation of the IML tool combined with a new pole inspection vendor conducting a much more detailed inspection.

Therefore, this supplemental request will address the increase of pole inspections in 2025 as well as the increase in construction cost. The original capital request was $7,050K. The new project's capital request is $9,553K.

Project cost estimates were generated using historical costs of contractor resources in a comparison among other Eversource jurisdictions (internal labor).

The total project capital request is $9,553k.

2. Supplement Justification Overview

The original budget was developed using historical work-Orders data that no longer reflect today's cost of inspecting Eversource poles. A notable increase of normal reject poles and rising contractors' costs have significantly impacted on the scope and scale of work required.

These changes have resulted in an increase in direct and indirect cost, resulting in the budget adjustment in 2025.

3. Supplement Justification Detail

The original $7,050K estimate was based on outdated historical WO data. Due to an increase in both volume and cost, the revised estimate now reflects the need to raise the total capital request to $9,553.1K.

OLD

Numbers from CD02109- Pole Integrity 2023	
	Capital
Cost per pole	$8,591
Defective Pole Replacements	820
Total Estimate	$7,050k

NEW

CD02444 – Pole Integrity 2025	
	Capital
Cost per pole	$9,553
Defective Pole Replacements	1,000
Total Estimate	$9,553K

COMPARISON:

Cost Comparison Overview			
Estimate Source	**Cost Per Pole**	**Pole Quantity**	**Total Estimate**
Numbers from CD02109 – 2023	$8,591	820	$7,050K
Current Project CD02444 – 2025	$9,553	1000	$9,553K
VARIANCE	**$962**	**180**	**$2,503K**

4. Supplement Cost Summary (Project Total)

Note: Dollar values are in thousands.

Capital Costs	To Date Spend	Prior Authorized	Supplemental Request	Total Request
Internal Labor and Construction Equipment	119.8	80.9	1,198.5	1,279.4
Outside Services	1,147.5	2,890.4	-1,149.5	1,740.9
Materials	705.4	317.3	752.9	1,070.2
Removals	355.2	1,803.9	-1,068.2	735.7
Risk and Contingency	0.0	0.0	0.0	0.0
Other	9.3	0.0	14.0	14.0
Subtotal	**2,337.1**	**5,092.5**	**-252.3**	**4,840.2**

Indirect Capital Costs	To Date Spend	Prior Authorized	Supplemental Request	Total Request
Indirects/Overheads (including benefits)	2,964.2	1,935.0	2,752.7	4,687.7
Capitalized interest or AFUDC, if any	25.2	22.5	2.7	25.2
Subtotal	**2,989.4**	**1,957.5**	**2,755.4**	**4,712.9**
Total Capital Costs (Gross)	**5,326.6**	**7,050.0**	**2,503.1**	**9,553.1**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net of Reimbursement)	**5,326.6**	**7,050.0**	**2,503.1**	**9,553.1**

New Total Request by Year

Capital Costs	2024 Actual	2025 Actual	2025 Estimate	TOTAL
Internal Labor & Equipment	1.3	118.4	1,159.6	1,279.4
Outside Services	12.7	1,134.8	593.4	1,740.9
Materials	7.8	697.6	364.8	1,070.2
Removals	3.9	351.3	380.5	735.7
Risk and Contingency	0.0	0.0	0.0	0.0
Other	0.1	9.2	4.8	14.0
SUBTOTAL Direct Cost	**25.8**	**2,311.4**	**2,503.1**	**4,840.2**
Indirects / Overheads	30.3	2,934.0	1,723.4	4,687.7
AFUDC	0.9	24.3	0.0	25.2
SUBTOTAL Indirect Cost	**31.1**	**2,958.3**	**1,723.4**	**4,712.9**
TOTAL Capital Request	**56.9**	**5,269.6**	**4,226.5**	**9,553.1**
Less Total Customer Contribution	0.0	0.0	0.0	**0.0**
TOTAL Project Cost	**56.9**	**5,269.6**	**4,226.5**	**9,553.1**

5. Lessons Learned

6. Attachments

ATTACHMENT – A (PREVIOUSLY APPROVED FULL FUNDING PAF) See next page.

Project Title: 2025 Pole Integrity	Project Number: CD02444
Date Prepared: 03/15/2024	**Company:** Eversource CT
Organization: Electric System Operations	**Project Category:** POLE INTEGRITY PROGRAM
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** Yes
Project Manager: [redacted]	**Emergency Related Request?** No
Project Sponsor: [redacted]	**Facility Type** (check all that apply): ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Required in service date: 12/31/2025	
Total Capital Request: $7,050k	**Authorization Type:** Full Funding

1. Executive Summary

- This initiative captures the cost necessary to replace or reinforce wood poles found during the annual pole inspections that cannot remain in service due to loss of strength from decay or insect infestation.

  This initiative also captures the replacement of leaning poles that were identified during the pole inspection process, and they are prone to failure posing a risk to public safety and the system's reliability. Leaning pole locations are created when soil disturbances and pole attachments affect the original pole's orientation because of accumulation of moisture in the ground, severe weather and or storm damages.

  Pole replacement's locations for CD02444 were derived from the 2024 Annual Pole inspection process but construction will take place in the year 2025. Work Orders are expected to be written from May 2024 and January 2025 to promptly start construction in March 2025.

  The Pole inspection process follows a 15-year cycle; therefore, Eversource will inspect 11 towns or 30,524 poles in Year 2024. Please refer to Attachment 1 showing the towns selected for the 2024 pole inspection. Depending on the weather, the pole inspection will take place from April 1st through October 31st, 2024. Results of the

2024 pole inspection will identify normal rejects; priority rejects and leaning poles and the results will be available in the SharePoint Reject Pole Inspection Group.

Project cost estimates were generated using historical costs of contractor resources completing past Defective Pole Project work.

The total project capital request is $7,050K.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2025	Year 2026	Year 2027	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	80.9	0.0	0.0	80.9
Outside Services	2,890.4	0.0	0.0	2,890.4
Materials	317.3	0.0	0.0	317.3
Removals	1,803.9	0.0	0.0	1,803.9
Risk and Contingency	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	5,092.6	0.0	0.0	5,092.6
Indirect Capital Costs				
Indirect/Overheads (including benefits)	1,935.0	0.0	0.0	1,935.0
Capitalized interest or AFUDC, if any	22.4	0.0	0.0	22.4
Subtotal – Indirect Costs	1,957.5	0.0	0.0	1,957.5
Total Gross Capital Costs	**$7,050**	**$0**	**$0**	**$7,050**
Customer Contribution	$0	$0	$0	$0
Total Net Capital Project Costs	**$7,050**	**$0**	**$0**	**$7,050**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

- Replacement and reinforcements of defective poles supports safety, reliability, and commitments to the customer.

b. Project Need

- This project includes the replacement or reinforcement of wooden poles found during yearly inspections that cannot remain in service due to loss of strength from decay or insect infestation and leaning poles that were identified severe in the field.

c. Project Scope

- Pole data collected by 2024 inspection yielded the scope of work for this 2025 project. Approximate counts are below:

  Defective Pole Replacements – 820
  Capital Maintenance Items**
  **Due to the recent storms, the Capital Maintenance items will be reevaluated and therefore, the costs are excluded from this PAF

4. Alternatives Considered

Were alternative solutions considered/applicable? Include any cost/benefit analysis.

Alternatives were considered (please describe below)

An alternative would be to do nothing and leave the poles as they are. However, this would result in having defective poles on the Eversource grid which are prone to failure.

5. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	
100% Detailed Engineering Completion	May 2024-January 2025
Fully Funded	
Construction Start	June 2024
In Service Date	December 2025

6. Regulatory Decisions

Are Regulatory body approvals needed for the project?

No

7. Codes and Standards

8. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk

			Mitigation
Actual cost higher than estimated due to scope changes.	2024-2025	Low	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Materials Shortage or long lead times	2024-2025	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2024-2025	Medium	If storm activity delays work, we may be forced to use external resources.

9. References

Defective pole analysis budget

CD02444 Defective Pole Program	Year 2024

	$M
Defective Poles CD02444	7.05
Frontier Shifts CD02449	0.45
Total 2025 Pole Integrity Budget	7.5

Analysis Defective Pole Projects CD02444	
Avg. Cost to replace (capital + expense)	
Defective Poles from Pole inspection 2024, construction in 2025	820*
Condition based Defective. Target Poles >Class 2.	
Condition based Defective. Target Poles Class 5 (Carry-Over from 2023 into 2024)	
Total Replacements	**820**

*Number of poles subject to change based on the findings from the pole inspection.

10. Attachments (One Line Diagrams, Images, etc.)

TOWNS INSPECTED IN 2024, Construction in 2024-2025

TOWNS	POLES INSPECTED IN 2024
BLOOMFIELD	4488
EAST HARTFORD	4425

EAST WINDSOR	1183
NAUGATUCK	705
EAST LYME	3441
LISBON	1037
NEW LONDON	2670
WATERFORD	2945
DARIEN	3426
MORRIS	805
NEW MILFORD	5399
TOTAL	**30,524**