EVERSOURCE

Project Approval Form

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**