EVERSOURCE

Supplement Authorization Form

Project Title: OH Reliability Improvement DR Annual	**Project Number:** CDDRANNL24
Date Prepared: 02/07/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** RELIABILITY IMPROVE-DR ANNUAL
Project Initiator: [redacted]	**Project Type:** Annual
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)
Current Authorized Amount: $5,000K	**Approved In-Service Date:** 12/31/2024
Supplement Request: $2,728K	**Estimated In-Service Date:** 12/31/2024
Total Capital Request: $7,728K	**Authorization Type:** Supplement Request
	Reason: Cost Overage

1. Project Background

This 2024 annual project covers completing work to remedy conditions that are causing specific segments of distribution facilities to perform below levels defined by the system reliability criteria through Connecticut. An approval of $5,000K was previously approved for the 2024 reliability improvement annual work. An additional request of $2,728K is being made to cover additional reliability improvement work completed in 2024. The total capital request is $7,728K.

2. Supplement Justification Overview

Supplemental funding is required primarily due to a due to a higher level of annual reliability work than anticipated.

3. Supplement Justification Detail

An additional approval of $2,728K is being requested for the 2024 reliability improvement annual project. The amount of reliability work exceeded expectations. This work is needed to be performed to increase or correct reliability issues on specific circuits throughout the Connecticut Distribution System.

Work order counts and spending was reduced in 2024 vs 2023 however, the budget, which reflects a 60% reduction vs 2023, was exceeded by $2,728K.

	2023	2024	% Reduction
WO Count	791	646	18%
Actual $	13,778,715	7,728,384	44%
Ave $/WO	17,419	11,963	31%
Budget	12,511,000	5,000,000	60%

4. Supplement Cost Summary (Project Total)

Financial Evaluation ($000's)

Capital Costs	To Date Spend	Prior Authorized	Supplemental Request	Total Request
Internal Labor and Construction Equipment	404.1	261.5	142.6	404.1
Outside Services	2,740.20	1,772.90	967.3	2,740.20
Materials	1,098.70	710.9	387.8	1,098.70
Removals	966.9	625.6	341.3	966.9
Risk and Contingency	0	0	0	0
Other	37.5	24.2	13.3	37.5
Subtotal	**5,247.40**	**3,395.00**	**1852.4**	**5,247.40**

Indirect Capital Costs	Total Request	Prior Authorized	Supplemental Request	Total Request
Indirects/Overheads (including benefits)	2,326.90	1,505.40	821.50	2,326.90
Capitalized interest or AFUDC, if any	153.9	99.6	54.30	153.9
Subtotal	**2,480.80**	**1,605.00**	**875.80**	**2,480.80**
Total Capital Costs (Gross)	**7,728.20**	**5,000.00**	**2,728.20**	**7,728.20**
			0	
Less Total Customer Contribution	**0**	**0**	**0**	**0**
			0	
Project Costs (Net of Reimbursement)	**7,728.20**	**5,000.00**	**2,728.20**	**7,728.20**

5. New Total Request by Year (if applicable)

Note: If multi-year project, include actuals for current and years past, and then show forecasted spend for upcoming years.

6. Lessons Learned

Project Title: OH Reliability Improvement DR Annual	**Project Number: CDDRANNL24**
Date Prepared: 08/14/2024	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** RELIABILITY IMPROVE-DR ANNUAL
Project Initiator: [redacted]	**Project Type:** Annual
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: 12/31/2024	
Total Capital Request: $5,000K	**Authorization Type:** Full Funding

1. Executive Summary

Full funding of $5,000K is being requested for this project. This project pertains to high volume work orders not to exceed $500K per work order and covers the entire state of CT. Capital work orders initiated against this annual project must include total costs less than or equal to $500K. Any work order exceeding $500K will require a separate Project Authorization Form (PAF).

This project is being created to remedy conditions which are causing specific segments of distribution facilities to perform below levels defined by the system reliability criteria throughout Connecticut in 2024. The work was identified to correct reliability problems. This work includes installing devices (reclosers, etc), reconductoring, extending lines, and other circuit upgrades on poles to increase reliability such as installing ampacs or replacing armless construction.

2. Project Cost Summary

Capital Costs	2024	Total
Internal Labor and Construction Equipment	261.5	261.5
Outside Services	1,772.8	1,772.8
Materials	710.8	710.8
Removals	625.6	625.6
Other	24.2	24.2
Risk and Contingency	0.0	0.0
Subtotal	**3,395.0**	**3,395.0**

Indirect Capital Costs	2024	Total
Indirects/Overheads (including benefits)	1,505.4	1,505.4
Capitalized interest or AFUDC, if any	99.6	99.6
Subtotal	**1,605.0**	**1,605.0**
Total Capital Costs (Gross)	**5,000.0**	**5,000.0**
Less Total Customer Contribution	**0.0**	**0.0**
Project Costs (Net)	**5,000.0**	**5,000.0**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

This project will address circuits and assets that need to be repaired, replaced, or removed for the betterment of the system.

b. Project Need

Install, or replace devices and assets to increase/correct reliability issues on specific circuits.

c. Project Scope

This work includes installing reclosers and sectionalizers, reconductoring (bare conductor to covered), converting an overhead (OH) line to underground (UG), line extensions to build loop scheme, installing arrestors, fusing transformers, installing ampac wedges, installing animal guards, replacing armless construction with crossarms and vise-top insulators. These installations/replacements work to correct reliability problems on the distribution system.

4. Alternatives Considered

The alternative is to not perform this work which will not increase the overall reliability of the system.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Construction Start	01/01/2024
In Service Date	12/31/2024

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Eversource has locations that have reliability issues

9.

References
1. N/A

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

Attachment	Included in Submittal?
A. Cost Estimate	*NO*
B. Partial PAF	*NO*