EVERSOURCE
Project Authorization Form

Project Title: [redacted] **3/5/10 or More**	**Project Number: CD01688**
Date Prepared: 04/10/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** RELIABILITY IMPROVE SPEC PROJ
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: $183K	**Approved In-Service Date:** 09/30/2022
Supplement Request: $64.2K	**Estimated In-Service Date: 12/31/2025**
Total Capital Request: $247.2K	**Authorization Type:** Supplement Request
	Reason: Cost Overage

1. Project Background

Project CD01688 was designed to improve the reliability of [redacted]

This supplemental authorization captures increased capital costs for outside services due to work performed by external crews and accounts for cost escalation resulting from the project extension from 2022 to 2025, which was not included in the original 2022 estimate.

Therefore, the supplemental request for this project is $64.2 and includes additional increase in outside services for a total capital request of $247.2K. All WOs are closed.

2. Supplement Justification Overview

The following are reasons for the budget being over the authorized amount:

a. The original estimate did not accurately capture the increase related to outside services for subsequent years.

3. Supplement Cost Summary (Project Total)

Capital Costs	To Date Spend	Prior Authorized	Supplemental Request	Total Request
Internal Labor and Construction Equipment	0.0	15.0	-15.0	0.0
Outside Services	184.6	59.0	111.4	170.4
Materials	10.9	39.0	-28.9	10.1
Removals	0.0	0.0	14.9	14.9
Risk and Contingency	4.8	0.0	4.8	4.8
Other	-2.9	2.0	-4.7	-2.7
Subtotal	**197.5**	**115.0**	**82.5**	**197.5**

Indirect Capital Costs	To Date Spend	Prior Authorized	Supplemental Request	Total Request
Indirects/Overheads (including benefits)	48.7	67.0	-18.3	48.7
Capitalized interest or AFUDC, if any	1.0	1.0	0.0	1.0
Subtotal	**49.7**	**68.0**	**-18.3**	**49.7**
Total Capital Costs (Gross)	**247.2**	**183.0**	**64.2**	**247.2**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net of Reimbursement)	**247.2**	**183.0**	**64.2**	**247.2**

4. 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.

Capital Costs	2022	2023	2024	2025	TOTAL
Internal Labor & Equipment	0.0	0.0	0.0	0.0	0.0
Outside Services	200.7	27.6	-0.9	-57.1	170.4
Materials	11.9	1.6	-0.1	-3.4	10.1
Removals	17.1	2.4	-0.1	-4.5	14.9
Risk and Contingency	0.0	0.0	0.0	4.8	4.8
Other	-3.2	-0.4	0.0	0.9	-2.7
SUBTOTAL Direct Cost	**226.5**	**31.2**	**-1.0**	**-59.2**	**197.5**
Indirects / Overheads	109.9	-23.4	0.0	-37.8	48.7
AFUDC	1.0	0.0	0.0	0.0	1.0
SUBTOTAL Indirect Cost	**111.0**	**-23.4**	**0.0**	**-37.8**	**49.7**
TOTAL Capital Request	**337.5**	**7.8**	**-1.0**	**-97.0**	**247.2**
Less Total Customer Contribution	0.0	0.0	0.0	0.0	**0.0**
TOTAL Project Cost	**337.5**	**7.8**	**-1.0**	**-97.0**	**247.2**

5. Lessons Learned

Operations Project Authorization Form

Date Prepared: 03/19/21	**Project Title: [redacted] 3/5/10 Or More**
Company/ies: Eversource CT	**Project ID Number: CD01688**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager: [redacted]	**Project Type: Reliability Improvement Specific Project**
Project Sponsor: [redacted]	**Project Purpose: Multiple Interruptions**
Estimated in service date: 12/31/2022	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted?	**Capital Investment Part of Original Operating Plan?**
Authorization Type: Full funding	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $189,285	

Financial Requirements:

Project Authorization
ERM: _____

FP&A: _____

Executive Summary

The portion of the [redacted]

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	2021	2022	2023	Totals
Capital Additions - Direct	$0	$106	$0	$0	$106
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$10	$0	$0	$10
Total - Direct Spending	$0	$115	$0	$0	$115
Capital Additions - Indirect	$0	$67	$0	$0	$67
Subtotal Request	$0	$182	$0	$0	$182
AFUDC	$0	$1	$0	$0	$1
Total Capital Request	$0	$184	$0	$0	$184
O&M	$0	$5	$0	$0	$5
Total Request	$0	$189	$0	$0	$189

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	Year 1	Year 2	Year 3+	Total

Straight Time Labor	$14	$0	$0	$14
Overtime Labor	$1	$0	$0	$1
Outside Services	$59	$0	$0	$59
Materials	$39	$0	$0	$39
Other, including contingency amounts (describe)	$2	$0	$0	$2
Total Direct Costs	**$115**	**$0**	**$0**	**$115**

Indirect Capital Costs	**Year 1**	**Year 2**	**Year 3+**	**Total**
Indirects/Overheads (including benefits)	$67	$0	$0	$67
Capitalized interest or AFUDC, if any	$1	$0	$0	$1
Total Indirect Costs	**$68**	**$0**	**$0**	**$68**
Total Capital Costs	**$184**	**$0**	**$0**	**$184**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$184**	**$0**	**$0**	**$184**
Total O&M Project Costs	**$5**	**$0**	**$0**	**$5**
Total Project Cost	**$ 189**	**$ -**	**$ -**	**$ 189**

Note: Explain unique payment provisions, if applicable

Technical Justification:

Project Need Statement

This project calls to fill the [redacted]

[redacted]

Project Objectives

The objective of this project is to improve the reliability for the [redacted]

Project Scope

[redacted]

Looking East near existing step-down bank.



Looking east at intersection of [redacted]



Looking east near pole 627



Major Material:

- 2,460' 1/0 TW
- 2 – 500kva step down transformers
- 5 customer transformers

Background / Justification

This section of the [redacted]. The area was last trimmed to METTL specifications in 2018 and is scheduled for another trim cycle in 2022. [redacted] offered to trim [redacted] (customer focused ETT) this year, under their budget. Since 2018, the section has experienced [redacted]

[redacted]

4 Year Outage History

Customer Minutes Saved/Customer Interuptions Saved are normalized over 4 years

Segment/Alternative	Estimated Cost	Number of Events (4 Yrs)			Customer Minutes (4 Yrs)			% CM Improvement	Cost per Customer Minute Saved			% CI Improvement	Number of Customers per Interuption			Cost per Customer Interuptions $aved		
		Non-Storm	Storm	Both	Non-Storm	Storm	Both		Non-Storm	Storm	Both		Non-Storm	Storm	Both	Non-Storm	Storm	Both
Original Preferred Option	$275,749.00	14	6	20	320,282	1,295,342	1,615,624	40%	$8.61	$2.13	$1.71	55%	2,049	808	2,857	[redacted]		
Alternative 1: Reconductor to pole 634	$468,145.14	14	6	20	320,282	1,295,342	1,615,624	40%	$14.62	$3.61	$2.90	55%	1,453	1,619	3,072			
Alternative 3: RT 171 feed - [redacted] Recon (preferred)	$176,265.00	14	6	20	320,282	1,295,342	1,615,624	40%	$5.50	$1.36	$1.09	55%	1,453	1,619	3,072			
Alternative 4: RT 171 feed - [redacted] + Senexet Recon (preferred)	$364,356.00	15	6	21	320,282	1,295,342	1,615,624	40%	$11.38	$2.81	$2.26	55%	1,453	1,619	3,072			

Business Process and / or Technical Improvements:

[redacted]

Alternatives Considered with Cost Estimates

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Alternative 1 calls to expand the [redacted] The total cost for this project with this alternative is $468,145. This is about $180k more.

Alternative 2 is to reconductor [redacted]. [redacted] This alternative would cost approximately $91,000.

Alternative 3 (preferred option)

Alternative 4 calls to [redacted] The total for this alternative is $348,661.

Milestone/Phase Name	Estimated Completion Date
Preliminary Approval	03/25/21
Detailed Design	01/01/22
Settings Requested	01/01/22
Construction Start Date	02/01/22
Construction End Date	12/31/22

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2021	Medium	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Customer Permission / Siting Council / Municipal approvals	2021	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2021	High	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Internal engineering resources not available to perform the work.	2021	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.

Storm delays	2021	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2021	Low	Schedule work to minimize system abnormal time. Most of this work will require system to be abnormal for any extended period of time.

References

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

[redacted].vsd

Device Reliability[redacted]

[redacted] LOAD SHEET.xlsx

RTS customer outages 46[redacted]

Project Map (final approval).vsdx

CD01688_project_needs_statement.pdf