EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Date Prepared: 12/22/2020	**Project Title: [redacted] Zone Reduction / Conversion**
Company/ies: Eversource CT	**Project ID Number: CD01209**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager: [redacted]	**Project Type: Reliability**
Project Sponsor: [redacted]	**Project Purpose: Reliability**
Estimated in service date: 12/2022	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted? Y	**Capital Investment Part of Original Operating Plan? Y**
Authorization Type: ENG	**O&M Expenses Part of the Original Operating Plan? Y**
Total Request: $ 2,488,450	

Financial Requirements:

Project Authorization
ERM: _____

FP&A: _____

Executive Summary

[redacted]

This project will be constructed over two years. [redacted]

[redacted]

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	2023	2024	2025+	Totals
Capital Additions - Direct	$0	$766	$627	$0	$1,392
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$70	$57	$0	$127
Total - Direct Spending	$0	$836	$684	$0	$1,520
Capital Additions - Indirect	$0	$485	$397	$0	$881
Subtotal Request	$0	$1,320	$1,080	$0	$2,401
AFUDC	$0	$10	$8	$0	$18
Total Capital Request	$0	$1,330	$1,089	$0	$2,419
O&M	$0	$38	$31	$0	$69
Total Request	$0	$1,368	$1,120	$0	$2,488

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$99	$81	$0	$180
Overtime Labor	$9	$8	$0	$17
Outside Services	$430	$352	$0	$783
Materials	$286	$234	$0	$520
Other, including contingency amounts (describe)	$11	$9	$0	$20
Total Direct Costs	**$836**	**$684**	**$0**	**$1,520**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$485	$397	$0	$881
Capitalized interest or AFUDC, if any	$10	$8	$0	$18
Total Indirect Costs	**$494**	**$405**	**$0**	**$899**
Total Capital Costs	**$1,330**	**$1,088**	**$0**	**$2,419**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$1,330**	**$1,088**	**$0**	**$2,419**
Total O&M Project Costs	**$38**	**$31**	**$0**	**$69**
Total Project Cost	**$ 1,368**	**$ 1,120**	**$ -**	**$ 2,488**

Note: Explain unique payment provisions, if applicable

Technical Justification:

Project Need Statement

[redacted]

Project Objectives

This project was created to help reliability in the Danielson District and improve MBI and CAIDI.

[redacted]

Project Scope

[redacted]

[redacted]

Major Material:
1 SS, 3 SR, 1 TR, 1 TR setting change, 2 J-switch, 4,000 ft of reconductoring to 556 TW, (4) 333kVA step-down transformers
1/0 TW / triplex neutral

[redacted]

Background / Justification

[redacted].

Business Process and / or Technical Improvements:

System Automation with reclosers

Alternatives Considered with Cost Estimates

N/A

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Approval / Additional Conversion Approval	12/23/20 - 11/21
Detailed Design	06/30/21
Construction Start Date	04/01/23
Construction End Date	12/31/24

Grove St looking east (alternative 1)



Grove St looking west (alternative 1)



School St looking east (alternative 3)



Walnut St looking east (alternative 2)



Farrows St looking south (located north of proposed step down) (alternative 2)



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

MAPS


Conversion Map.pdf


Conversion Map.vsdx


[redacted] Heritage Visual 2.0.pdf


[redacted] ROW tap map.pdf

Oneline


[redacted] Oneline.pdf

Loads:


[redacted] Load Summary (002).xlsx


Leap_Zone_Projections_14M8.xlsx


Leap_Zone_Projections_14M22.xlsx


Leap_Zone_Projections_14M28.xlsx

Outage History


[redacted]_Zone_Outage_History.xlsx


[redacted]_ROW_Outage_History.xlsx