Operations Project Authorization Form

Date Prepared: July 29, 2021	**Project Title: [redacted] Install New SR and MR**
Company/ies: Eversource CT	**Project ID Number: CD01781**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager: [redacted]	**Project Type: Reliability Improve Spec Proj**
Project Sponsor: [redacted]	**Project Purpose: Break-up Large Customer Zone**
Estimated in service date: 12/31/2022	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted? Yes	**Capital Investment Part of Original Operating Plan? Yes**
Authorization Type: Preliminary Funding	**O&M Expenses Part of the Original Operating Plan? Yes**
Total Request: $162K	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

This project will reduce two customer zones of [redacted] by adding a sectional and midpoint recloser.

The circuit zone [redacted] has experienced 3 outages in the past 3 years.

This design also resolves a [redacted]

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$0	$92	$0	$92
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$0	$9	$0	$9
Total - Direct Spending	$0	$0	$101	$0	$101
Capital Additions - Indirect	$0	$0	$55	$0	$55
Subtotal Request	$0	$0	$156	$0	$156
AFUDC	$0	$0	$1	$0	$1
Total Capital Request	$0	$0	$157	$0	$157
O&M	$0	$0	$5	$0	$5
Total Request	$0	$0	$162	$0	$162

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	2021	2022	2023+	Total
Straight Time Labor	$0	$7	$0	$7
Overtime Labor	$0	$1	$0	$1
Outside Services	$0	$69	$0	$69
Materials	$0	$24	$0	$24
Other, including contingency amounts (describe)	$0	$0	$0	$0
Total Direct Costs	**$0**	**$101**	**$0**	**$101**

Indirect Capital Costs	2021	2022	2023+	Total
Indirects/Overheads (including benefits)	$0	$55	$0	$55
Capitalized interest or AFUDC, if any	$0	$1	$0	$1
Total Indirect Costs	**$0**	**$56**	**$0**	**$56**
Total Capital Costs	**$0**	**$157**	**$0**	**$157**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$0**	**$157**	**$0**	**$157**
Total O&M Project Costs	**$0**	**$5**	**$0**	**$5**
Total Project Cost	**$0**	**$162**	**$0**	**$162**

Technical Justification:

Project Need Statement

This project proposes installing a SR on [redacted] and a [redacted], [redacted]

Project Objectives

This project's goal is to reduce the number of customers exposed to an outage event past the [redacted] This project breaks up this large customer zone by adding a SR, removing the [redacted] and add a MR to improve reliability and reduce the customers affected in future outages.

Project Scope

The scope of this project is as follows:

[redacted]

Major Material:

- 2 Recloser
- 2 600A disconnect

Background / Justification

The project was created as part of an initiative to improve circuit reliability by adding automatic sectionalizing devices on overhead distribution circuits. This project provides a low cost per customer min saved and low O&M solution to directly targeting SAIDI and SAIFI.

Business Process and / or Technical Improvements:

- Decrease customer zone on device.
- [redacted]

Alternatives Considered with Cost Estimates

Option 1 – To install a [redacted].

Option 2 – To install a [redacted]

Design Criteria	[redacted]	[redacted]
Cost	$82.9K	$162K
Cost / CM Saved	$0.1	$0.47
Cost / CI Saved	$187	$878
Preferred option		X

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Approval	July 2021
Detailed Design	September 2022
Construction Start Date	January 2022
Construction End Date	December 2022

Regulatory Approvals

None

Risks and Risk Mitigation Plans

Risk is very limited with this project.

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


[redacted] Load summary.xlsx


[redacted]4 Calculations & Outage Info.xlsx


[redacted] Map.pdf


[redacted] Oneline.pdf