EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Project Title: [redacted]	**Project Number: CD01903**
Date Prepared: 07/14/2022	**Company:** Eversource CT
Organization: Electric Field Operations	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** SMART SWITCHES PROGRAM
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of original Operating Plan:** Yes
Estimated in service date: June 1, 2022	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? Yes	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution
Total Gross Capital Request: $583.5K	**Authorization Type:** Full Funding

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

CD01903 received initial funding of $525K at the February 3, 2022 CT PAC meeting. This full funding PAF is requesting $583.5K an increase of $58.5K (116%). There was a slight scope change due an unrelated new service request that was constructed after the project was preliminary designed. As a result, an overhead transformer bank had to be relocated to install one of the reclosers. No other changes were required.

Project CD01903 is being established to address [redacted]

[redacted]

[redacted]

Project Costs Summary
Note: Dollar values are in thousands

Capital Costs	2022	2023	2024+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	$21.4	$0	$0	$21.4
Outside Services	$128.6	$0	$0	$128.6
Materials	$259.4	$0	$0	$259.4
Removals	$0	$0	$0	$0
Risk and Contingency	$0	$0	$0	$0
Other	$0	$0	$0	$0
Subtotal	**$409.4**	**$0**	**$0**	**$409.4**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	$169.5	$0	$0	$169.5
Capitalized interest or AFUDC, if any	$4.6	$0	$0	$4.6
Subtotal	**$174.1**	**$0**	**$0**	**$174.1**
Total Customer Contribution	$0	$0	$0	$0
Total Capital Project Costs	**$583.5**	**$0**	**$0**	**$583.5**

Technical Justification:

Project Need Statement

This project proposes installing [redacted]

Project Objectives

This project's goal is to reduce the number of customers exposed to an outage event in each zone of the [redacted]. This project breaks up this large customer zone by adding multiple reclosers to improve reliability and reduce the customers affected during future outages.

Project Scope

The scope of this project is as follows:



Major Material:

- 7 reclosers
- 7 600A disconnects

Background / Justification

The project was created as part of an initiative to improve circuit reliability by adding automatic sectionalizing devices on overhead distribution circuits.

Business Process and / or Technical Improvements:

- Decrease customer zone sizes on backbone devices.

Alternatives Considered with Cost Estimates

Option 1 – To install

Option 2 – Do nothing



Cost	$525K	$0
Preferred option	X	

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Approval	February 2022
Detailed Design	April 2022
Construction Start Date	July 2022
Construction End Date	December 2022

Regulatory Approvals

None

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2022	Low	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	2022	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2022	Low	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.	2022	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays	2022	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2022	Low	Schedule work to minimize system abnormal time. Most of this work will require system to be abnormal for any extended period of time.

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

[redacted] Calculations & utage Info.xlsx

[redacted] Load summary.xlsx

[redacted] AIMS Statement.pdf

[redacted] One-line.vsd

[redacted] Map.vsdx