# Operations Project Authorization Form

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|---|---|
| **Project Title:** [redacted] | **Project Number: CD01801** |
| **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: $188.6**K | **Authorization Type:** Full Funding |

## Financial Requirements:

### Project Authorization

ERM: _____

FP&A: _____

### Executive Summary

CD01801 received initial funding of $159K at the August 12, 2021 CT PAC meeting. This full funding PAF is requesting $188.6K an increase of $29.6K (119%). The project was written as designed and there was no scope change associated with this increase.

This project is being established to install a [redacted]

**Project Costs Summary**
*Note: Dollar values are in thousands*

| Capital Costs | 2022 | 2023 | 2024+ | Total |
|---|---|---|---|---|
| **Direct Capital Costs** | | | | |
| Internal Labor and Construction Equipment | $5.2 | $0 | $0 | $5.2 |
| Outside Services | $49.6 | $0 | $0 | $49.6 |
| Materials | $4.4 | $0 | $0 | $4.4 |
| Removals | $0 | $0 | $0 | $0 |
| Risk and Contingency | $0 | $0 | $0 | $0 |
| Other | $0 | $0 | $0 | $0 |
| Subtotal | **$129.2** | **$0** | **$0** | **$129.2** |
| **Indirect Capital Costs** | | | | |
| Indirect/Overheads (including benefits) | $58.6 | $0 | $0 | $58.6 |
| Capitalized interest or AFUDC, if any | $0.8 | $0 | $0 | $0.8 |
| Subtotal | **$59.4** | **$0** | **$0** | **$59.4** |
| Total Customer Contribution | $0 | $0 | $0 | $0 |
| **Total Capital Project Costs** | **$188.6** | **$0** | **$0** | **$188.6** |

## Technical Justification:

### Project Need Statement

This project proposes installing a [redacted]

### Project Objectives

This project's goal is to reduce the number of customers exposed to an outage event past the [redacted].

**Project Scope**

[redacted]

**Major Material:**

- 2 Reclosers
- 2 600A disconnect
- 2 poles

**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 on device.

**Alternatives Considered with Cost Estimates**

Option 1 – [redacted]

Option 2 – Do nothing.

| Design Criteria | [redacted] | |
|---|---|---|
| Cost | $164k | $0 |
| CM Accumulated (1-3 yrs.) | 0 | 0 |
| Cost / CM Saved | N/A | N/A |
| Cost / CI Saved | N/A | N/A |
| Preferred option | X | |

## Project Schedule

| Milestone/Phase Name | Estimated Completion Date |
|---|---|
| Preliminary Approval | August 2021 |
| Detailed Design | September 2022 |
| Construction Start Date | January 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. |

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|---|---|---|---|
| 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.)**

ACT%20-%20CD01801%20Actuals.xlsx

[redacted] Load summary.xlsx

[redacted] Statement.pdf

[redacted] Oneline.vsd

[redacted].pdf