EVERSOURCE

# Operations Project Authorization Form

| | |
|---|---|
| **Project Title:** [redacted] Contingency Overload due to [redacted] Bus Fault | **Project Number:** CD01611 |
| **Date Prepared:** 03/17/2022 | **Company:** Eversource CT |
| **Organization:** EFO | **Class(es) of Plant:** D Line |
| **Project Initiator:** [redacted] | **Project Category:** Line |
| **Project Manager:** [redacted] | **Project Type:** Specific |
| **Project Sponsor:** [redacted] | **Capital Investment part of original Operating Plan:** No |
| **Estimated in service date:** June 1, 2023 | **Emergency Related Request?** No |
| **Eng./Constr. Resources Budgeted?** No | **Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF X Distribution |
| **Total Gross Capital Request:** $387K | **Authorization Type:** Initial Funding |

## Executive Summary

The project addresses a [redacted]

EVERSOURCE

## Project Costs Summary

| Capital Costs | 2023 | Year 2 | Year 3+ | Total |
|---|---|---|---|---|
| Internal Labor and Construction Equipment | $16 | $0 | $0 | $16 |
| Outside Services | $132 | $0 | $0 | $132 |
| Materials | $76 | $0 | $0 | $76 |
| Removals | $16 | $0 | $0 | $16 |
| Risk and Contingency | ($0) | $0 | $0 | ($0) |
| Other | $0 | $0 | $0 | $0 |
| **Subtotal** | **$239** | **$0** | **$0** | **$239** |

| Indirect Capital Costs | 2023 | Year 2 | Year 3+ | Total |
|---|---|---|---|---|
| Indirects/Overheads (including benefits) | $138 | $0 | $0 | $138 |
| Capitalized interest or AFUDC, if any | $10 | $0 | $0 | $10 |
| **Subtotal** | **$148** | **$0** | **$0** | **$148** |
| | | | | |
| **Total Capital Costs (Gross)** | **$387** | **$0** | **$0** | **$387** |
| | | | | |
| Less Total Customer Contribution | **$0** | **$0** | **$0** | **$0** |
| | | | | |
| **Project Costs (Net)** | **$387** | **$0** | **$0** | **$387** |

## Technical Justification:

Project Need, Objective and Justification

[redacted]

[redacted]

### Project Objectives

- [redacted]
  - [redacted]
  - [redacted]
- [redacted]

EVERSOURCE

Project Scope

Preferred Proposal (Includes the following Segments)

**Segment #1 -** [redacted]

**Cost:** $188K

[redacted]

**Segment #4 -** [redacted]

**Cost:** $63K

**Description**: [redacted]

**Segment #5 -** [redacted]

**Cost:** $143K

[redacted]

EVERSOURCE

Background

[redacted]

**Alternatives Considered:**

Alternatives were considered (please describe below)

**Option #2, Reconductoring & Split Large Customer Zone**
**Total Cost: $**2,253K

**Segment #3 -** [redacted]

**Cost:** $2,190K

[redacted]

- [redacted]
- [redacted]

**Segment #4 -** [redacted]

**Cost:** $63K

[redacted]

- [redacted]

EVERSOURCE

## Alternatives Considered:

**Option #3, OH + UG Line Extension to Split Load & Large Customer Zone**
**Total Cost:** $585K

[redacted]

**Cost:** $63K

[redacted]

EVERSOURCE

## Regulatory Approvals:

No

If yes, provide detailed regulatory approvals

## Project Schedule

| Milestone/Phase Name | Estimated Completion Date |
|---|---|
| Preliminary Approval | 4/1/2022 |
| Detailed Design Completed | 8/1/2022 |
| Settings Requested | 10/1/2022 |
| Approved for Construction | 10/1/2022 |
| Construction Start Date | 3/1/2023 |
| Construction End Date | 6/1/2023 |

## Risks and Risk Mitigation Plans

| Risk Event | Risk Horizon | Likelihood of Occurrence | Risk Mitigation |
|---|---|---|---|
| Actual cost higher than estimated due to scope changes. | 2022 | Medium | Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues. |
| Internal construction resources not available to perform the work. | 2023 | Medium | 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 | Medium | Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost. |

| | | | |
|---|---|---|---|
| Storm delays | 2023 | Medium | If storm activity delays work, we may be forced to use external resources. |
| System abnormal configuration | 2023 | Medium | Schedule work to minimize system abnormal time. Most of this work will require system to be abnormal for any extended period of time. |

## References

DSEM 02.301 – Automatic Sectionalizing Device Guide
DSEM 05.301 – Contingency Planning
DSEM 08.101 – Overhead Cable Rating
DSEM 10.421 – Smart Switch
LEAP

EVERSOURCE

## Appendices (One-Line Diagrams, Images, etc.)

**Detail Map**

Detail Map_[redacted]_rev0.8_Ap

**On-Line Map**

One line[redacted]_rev0.6_Approv

**Load Summary**

Load%20Summary_re

**Zone Projection**

Leap_Zone_Pro

**Need Statement**

CD01611_project_needs_statement_revi

**Outage Events ($/CIS, $/CMS, $/MVA Calc.)**

CD01161_Total%20Events_re