# Operations Project Authorization Form

| | |
|---|---|
| **Project Title:** [redacted] | **Project Number: CD01586** |
| **Date Prepared:** 02/17/2021 | **Company:** Eversource CT |
| **Organization: EFO** | **Class(es) of Plant:** D Line |
| **Project Initiator:** [redacted] | **Project Category: Smart Switch** |
| **Project Manager:** [redacted] | **Project Type:** Specific |
| **Project Sponsor:** [redacted] | **Capital Investment part of original Operating Plan:** No |
| **Estimated in service date: 12/31/2023** | **Emergency Related Request?** No |
| **Eng./Constr. Resources Budgeted?** Yes | **Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ■ Distribution |
| **Total Gross Capital Request: 251K** | **Authorization Type:** Full Funding |

## Executive Summary

This project addresses a large customer zone on the [redacted]

[redacted]

[redacted]

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## Project Costs Summary

*See APS3 and APS8 requirements and consult with Plant Accounting for capital/O&M determination. Use published loaders for benefits, materials, and invoices, maintained by the Director, Budget and Internal Reporting.*
*Note: Dollar values are in thousands*

| Capital Costs | Year 20__ | Year 20__ | Year 20__+ | Total |
|---|---|---|---|---|
| Internal Labor and Construction Equipment | $9 | $0 | $0 | $9 |
| Outside Services | $89 | $0 | $0 | $89 |
| Materials | $28 | $0 | $0 | $28 |
| Removals | $14 | $0 | $0 | $14 |
| Risk and Contingency | $12 | $0 | $0 | $12 |
| Other | $0 | $0 | $0 | $0 |
| **Subtotal** | **$153** | **$0** | **$0** | **$153** |
| | | | | |
| **Indirect Capital Costs** | **Year 1** | **Year 2** | **Year 3+** | **Total** |
| Indirects/Overheads (including benefits) | $93 | $0 | $0 | $93 |
| Capitalized interest or AFUDC, if any | $5 | $0 | $0 | $5 |
| **Subtotal** | **$98** | **$0** | **$0** | **$98** |
| | | | | |
| **Total Capital Costs (Gross)** | **$251** | **$0** | **$0** | **$251** |
| | | | | |
| Less Total Customer Contribution | **$0** | **$0** | **$0** | **$0** |
| | | | | |
| **Project Costs (Net)** | **$251** | **$0** | **$0** | **$251** |

## Technical Justification:

Project Need, Objective and Justification

[redacted]

[redacted]

This project aims to break up the large customer zone on the [redacted] to minimize the number of customers impacted during outages. [redacted]

Project Scope

[redacted]

[redacted]

**Major Material:**

- 3 reclosers and controls

**Alternative Materials**

- 13,300 feet 556 Aluminum TW
- 75 Eversource Poles

**Background / Justification**

[redacted]

**Business Process and / or Technical Improvements**:

Installing a new Sectional Recloser will ensure that large customer zones are broken up into two smaller zones, increasing reliability of the circuit.

**Alternatives Considered:**
*Were alternative solutions considered/applicable? Include any cost/benefit analysis.*

Alternative: [redacted]

Alternatives were considered (please describe below)

[redacted]

**Regulatory Approvals:**
*Are Regulatory body approvals needed for the project?*
No

If yes, provide detailed regulatory approvals

**Project Schedule**

| Milestone/Phase Name | Estimated Date |
|---|---|
| Preliminary Approval | 03/10/22 |
| Detailed Design | 06/30/22 |
| Material Ordered | 07/30/22 |
| Construction Start Date | 08/30/23 |
| Construction End Date | 12/31/23 |
| | |
| | |

**Risks and Risk Mitigation Plans**
*List top risks and mitigation plans associated with this project. Include any contingency related to each risk.*

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*(Permitting/siting; environmental; outage constraints; customer/community outreach; material delivery; constructability challenges; excavation; etc.)*

## References

1Q02 - 1Q6 Smart Switch Load Summary

CD01586_project_needs_statement.pdf

1Q6 ROW Reconductor CD0158

CD01586 Map and One-Line.pdf

**From:** [redacted]
**Sent:** Monday, February 7, 2022 12:12 PM
**To:** [redacted]
**Cc:** [redacted]
**Subject:** [redacted]

Tony,

I have reviewed your proposed scheme against an existing model and it appears that these changes will work. The P&C projects team may need to make the 1Q6-80M a smart switch when they get into the actual settings development. Please let the P&C projects team P&C_Support_CT/WM P&C_Support_CT/WM@eversource.com know when you have an approved project so they can develop settings.

P&C Support,

Mike has agreed to assist with the development of the Viper switch settings when the time comes.

Thanks,

[redacted]