Appendix 2
Operations Project Authorization Form

Operations Project Authorization Form

Project Title: [redacted] **Vineyard Rd Reconductoring**	**Project Number: CD01904**
Date Prepared: 02/08/2022	**Company:** Eversource CT
Organization: Distribution Electric	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category: Reliability Improvements - Spec**
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: $299,220	**Authorization Type:** Full Funding

Executive Summary

Project CD01904 addresses reliability concerns along Vineyard Rd, Burlington. [redacted] The total cost of all proposed work is $305, 742.83 with a $/CMS of $2.51.

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	2024	2025	2026	Total
Internal Labor and Construction Equipment	$11.27	$0.00	$0.00	$11.27
Outside Services	$106.55	$0.00	$0.00	$106.55
Materials	$33.01	$0.00	$0.00	$33.01
Removals	$17.06	$0.00	$0.00	$17.06
Risk and Contingency	$14.55	$0.00	$0.00	$14.55
Other	$0.00	$0.00	$0.00	$0.00
Subtotal	$182.44	$0.00	$0.00	$182.44

Indirect Capital Costs	**$2,024.00**	**$2,025.00**	**$2,026.00**	**Total**
Indirects/Overheads (including benefits)	$110.77	$0.00	$0.00	$110.77
Capitalized interest or AFUDC, if any	$6.02	$0.00	$0.00	$6.02
Subtotal	$116.78	$0.00	$0.00	$116.78
Total Capital Costs (Gross)	**$299.22**	**$0.00**	**$0.00**	**$299.22**

Technical Justification:

Project Need Statement

Project CD01904 addresses a customer complaint and reliability concerns along Vineyard Rd, Burlington. [redacted]

Project Objectives

The objective of this project is to address customer complaints regarding reliability concerns for customers fed from the lateral tap along Vineyard Rd., Burlington. Suggested work will reduce the frequency of tree related events affecting the tap.

Project Scope

This project proposes the following improvements beginning [redacted]

Background / Justification

A customer complaint was received on 1/10/22 regarding frequent outages along a side tap of [redacted] originating at pole# 650 on Vineyard Road in Burlington. The tap has experienced 10 outages in the last four years with 8 being tree related and 5 occurring in the last 12 months. The [redacted] underwent full-service tree trimming in 2021, but despite this, still managed to have another tree related outage recently on 1/5/22. To help solve future reliability concerns the reconductoring of this wire segment and conversion to ridge pin construction is suggested. The cost/CMS for the suggested work is only $2.51.

[redacted]

Business Process and / or Technical Improvements:

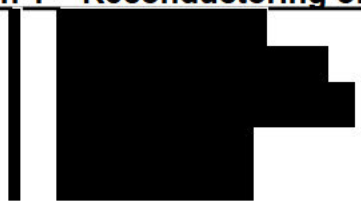
Performing the suggested work along this side tap would mediate customer reliability concerns and significantly reduce service outage frequency due to degrading equipment and encroaching tree cover. These improvements would result in 112 customer interruptions saved and 121,701 customer minutes saved.

Alternatives Considered:

Were alternative solutions considered/applicable? Include any cost/benefit analysis.

Alternatives were considered (please describe below)

Option 1 – Reconductoring of Vineyard Rd & Belden Rd:



Option 2 – Reconductoring of Vineyard Rd:



Regulatory Approvals:

Are Regulatory body approvals needed for the project?

No

If yes, provide detailed regulatory approvals

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Approval	2/28/2022
Construction Start	1/2023
Construction End	5/2023

Risks and Risk Mitigation Plans

List top risks and mitigation plans associated with this project. Include any contingency related to each risk. (Permitting/siting; environmental; outage constraints; customer/community outreach; material delivery; constructability challenges; excavation; etc.)

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2021	Medium	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	2021	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2021	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.	2021	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays	2021	Medium	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2021	Low	Schedule work to minimize system abnormal time. Most of this work will require system to be abnormal for any extended period.

References

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

Appendix 2
Operations Project Authorization Form

Reference appendices items in the appropriate section of the PAF and list items in the same order as referenced in the PAF

Need Statement:



CD01904_project_needs_statement.pdf

Project Map:



CD01904 Project Map.pdf