Operations Project Authorization Form

Project Title: Fuse Pole 1808 LT Reconductoring	Project Number: CD01947
Date Prepared: 03/01/2023	**Company:** Eversource CT
Organization: Electric Field Operations	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** Reliability Improve Spec Proj
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of original Operating Plan:** Yes
Estimated in service date: 01/31/2023	**Emergency Related Request?** Yes
Eng./Constr. Resources Budgeted? Yes	**Facility Type** (check all that apply): ☐ PTF ☐ non-PTF ☑ Distribution
Total Gross Capital Request: $488K	**Authorization Type:** Full Funding

Executive Summary

This project is being established to address the recurring outages on Mount Hope Rd in Mansfield, CT. This [redacted]. There are [redacted] customers on this road that have experienced 12 outages in the last four years with all of them being tree related. There have been 5 outages in 2020 and 2 outages in 2021.

Additionally, this area was last trimmed in the 2018 but is scheduled for trimming in 2022 and the majority of the poles are in good shape.

[redacted]

In conjunction with tree trimming, project CD01947 proposes to [redacted]

This project received Initial Funding approval at the March 3, 2022, CTPAC meeting for $372K.
This Full Funding request is for $488,197 or an increase of 31.5%.

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Project Costs Summary

Capital Costs	2022	2023	2024+	Total
Internal Labor and Construction Equipment	$0	$0	$0	$0
Outside Services	$323	$0	$0	$323
Materials	$20	$0	$0	$20
Removals	$0	$0	$0	$0
Risk and Contingency	$0	$0	$0	$0
Other	$0	$0	$0	$0
Subtotal	**$343**	**$0**	**$0**	**$343**

Indirect Capital Costs	2022	2023	2024+	Total
Indirects/Overheads (including benefits)	$144	$0	$0	$144
Capitalized interest or AFUDC, if any	$1	$0	$0	$1
Subtotal	**$145**	**$0**	**$0**	**$145**
Total Capital Costs (Gross)	**$488**	**$0**	**$0**	**$488**

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Technical Justification:

Project Need, Objective and Justification

This project was established to address the frequent outages on Mount Hope Rd in Mansfield, CT. With [redacted] customers on Mount Hope Rd, there have been 12 outages in the last four years with seven of them being in last two years.

Therefore, this project will replace [redacted]. With these changes and expected tree trimming in 2022, it will help increase reliability and avoid future outages in this area.

Project Scope

The scope of this project is as follows:

- [redacted]
- Replace poles as required.
- Remove hazard trees.

Major Material:

7,650 ft	Single Phase 336 TW
35	Poles

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Background

Outage History

[redacted]

Regulatory Approvals:

No

Project Schedule

Milestone/Phase Name	Estimated Date
100% Engineering Completion	June 2022
Construction Start	November 2022
Testing/Commissioning	N/A
In Service Date	December 2022

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.
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	High	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	2022	Medium	If storm activity delays work, we may be forced to use external resources.

References

No

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


Fuse P.1808 Mount Hope Rd Existing.pc


Fuse P.1808 Mount Hope Rd Proposed.p


CD01947_project_needs_statement.pdf