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Operations Project Authorization Form

Project Title: 2022 Backbone Sweep Corrections	Project Number: CD02048
Date Prepared: 02/06/2023	**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:** No
Estimated in service date: 12/31/2022	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? No	**Facility Type** (check all that apply): ☐ PTF ☐ non-PTF ☒ Distribution
Total Gross Capital Request: $1,702K	**Authorization Type:** Full Funding

Executive Summary

Patrols were performed on approximately 5,000 miles of Connecticut circuit backbones and this project has been established to capture the cost associated with correcting all the issues found.

This table below represents all the issues identified:

Backbone sweep findings

[redacted]

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Project Costs Summary

Note: Dollar values are in thousands

Capital Costs	2022	2023	2024+	Total
Internal Labor and Construction Equipment	$70	$0	$0	$70
Outside Services	$565	$0	$0	$565
Materials	$58	$0	$0	$58
Removals	$263	$0	$0	$263
Other	$1	$0	$0	$0
Subtotal	**$957**	**$0**	**$0**	**$957**

Indirect Capital Costs	2022	2023	2024+	Total
Indirects/Overheads (including benefits)	$736	$0	$0	$736
Capitalized interest or AFUDC, if any	$9	$0	$0	$9
Subtotal	**$745**	**$0**	**$0**	**$745**
Total Capital Costs (Gross)	**$1,702**	**$0**	**$0**	**$1,702**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Project Costs (Net)	**$1,702**	**$0**	**$0**	**$1,702**

Technical Justification:

Project Need, Objective and Justification:
Faults on a circuit's backbone usually affect many customers. Patrols have been done to identify issues that present an imminent threat to the circuit's reliability.

Project Scope:



Major Material:

- 53 Poles
- 208 X-Arms

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Background:
Backbone circuit patrols were done to identify imminent threats to a circuit's reliability. Identified issues are to be addressed promptly.

Alternatives Considered:

Project is a compliance obligation - no alternatives considered - no financial benefit

Regulatory Approvals:

Are Regulatory body approvals needed for the project?
No

Project Schedule

Milestone/Phase Name	Estimated Date
100% Engineering Completion	August 2022
Construction Start	September 2022
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	Low	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.	2022	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	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2022	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2022	Low	If storm activity delays work, we may be forced to use external resources.

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References

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

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