Appendix 2
Operations Project Authorization Form

Operations Project Authorization Form

Project Title: Deer Hill Rd - Reliability Improve.	**Project Number:** CD01981
Date Prepared: 04/01/2022	**Company:** Eversource CT
Organization: Distribution Electric	**Class(es) of Plant:** D Line
Project Initiator [redacted]	**Project Category:** LT – Rehab - Reconductor
Project Manage [redacted]	**Project Type:** Specific
Project Sponso [redacted]	**Capital Investment part of original Operating Plan:** Yes
Estimated in service date: 12/31/22	**Emergency Related Request?** Yes
Eng./Constr. Resources Budgeted? Yes	**Facility Type** (check all that apply): ☐ PTF ☐ non-PTF ☒ Distribution
Total Gross Capital Request: $192 k	**Authorization Type:** Full Funding

Executive Summary

[redacted]

[redacted]

The total cost of the project will be $196,140, with a capital cost of $192K.

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Project Costs Summary

Note: Dollar values are in thousands

Direct Capital Costs	Year 2022	Year 2023	Year 2024+	Total
Internal Labor and Construction Equipment	$7	$0	$0	$7
Outside Services	$68	$0	$0	$68
Materials	$21	$0	$0	$21
Removals	$11	$0	$0	$11
Risk and Contingency	$9	$0	$0	$9
Other	$0	$0	$0	$0
Subtotal	**$117**	**$0**	**$0**	**$117**
Indirect Capital Costs	**Year 2022**	**Year 2023**	**Year 2024+**	**Total**
Indirects/Overheads (including benefits)	$71	$0	$0	$71
Capitalized interest or AFUDC, if any	$4	$0	$0	$4
Subtotal	**$75**	**$0**	**$0**	**$75**
Total Capital Costs (Gross)	**$192**	**$0**	**$0**	**$192**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Project Capital Costs (Net)	**$192**	**$0**	**$0**	**$192**

Technical Justification:

Project Need, Objective and Justification

[redacted]

[redacted]

Project Scope

The project proposes the following:

[redacted]

Major Material

- 3100’ 336 Tree Wire (Single phase)
- 3100’ Neutral
- 1 65k Trip Saver - SC 600892
- 12 40 class 1 Poles

Background

Outages:

[redacted]

Improvement Summary:

[redacted]

[redacted]

Alternatives Considered:

[redacted]

The variance of option 1 and 2 is $55,256.6.

Regulatory Approvals:

No

Project Schedule

Milestone/Phase Name	Estimated Date
100% Engineering Completion	06/2022
Construction Start	11/2022
Testing/Commissioning	N/A
In Service Date	12/2022

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	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost if necessary.
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 if necessary.
Materials shortage or long lead times	2022	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2022	Medium	If storm activity delays work, we may be forced to use external resources.

System abnormal configuration	2022	Medium	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods
Technological risks involving integration of new technology	2022	Low	Before use of new technology ensure support of standards and manufacture. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.

References

NA

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

[redacted] - Geo Map - Deer Hill Rd, Reddin

CD01981_project_needs_statement.pdf

[redacted] - Outage history.xlsx