EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Date Prepared: 6/3/2021	**Project Title: [redacted] 3/5/10 or More**
Company/ies: Eversource CT	**Project ID Number: CD01746**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager: [redacted]	**Project Type: Reliability Improvement Special Project**
Project Sponsor: [redacted]	**Project Purpose: Resolve Multiple Interruptions**
Estimated in service date: 12/31/22	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted? Y	**Capital Investment Part of Original Operating Plan? Y**
Authorization Type: Preliminary	**O&M Expenses Part of the Original Operating Plan? Y**
Total Request: $208K	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

The segment of the [redacted] are tree related. [redacted]

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	2022	2023	2024	Totals
Capital Additions - Direct	$0	$119	$0	$0	$119
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$11	$0	$0	$11
Total - Direct Spending	$0	$130	$0	$0	$130
Capital Additions - Indirect	$0	$71	$0	$0	$71
Subtotal Request	$0	$200	$0	$0	$200
AFUDC	$0	$2	$0	$0	$2
Total Capital Request	$0	$202	$0	$0	$202
O&M	$0	$6	$0	$0	$6
Total Request	$0	$208	$0	$0	$208

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$9	$0	$0	$9
Overtime Labor	$2	$0	$0	$2
Outside Services	$88	$0	$0	$88
Materials	$30	$0	$0	$30
Other, including contingency amounts (describe)	$0	$0	$0	$0
Total Direct Costs	**$130**	**$0**	**$0**	**$130**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$71	$0	$0	$71
Capitalized interest or AFUDC, if any	$2	$0	$0	$2
Total Indirect Costs	**$72**	**$0**	**$0**	**$72**
Total Capital Costs	**$202**	**$0**	**$0**	**$202**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$202**	**$0**	**$0**	**$202**
Total O&M Project Costs	**$6**	**$0**	**$0**	**$6**
Total Project Cost	**$ 208**	**$ -**	**$ -**	**$ 208**

Note: Explain unique payment provisions, if applicable

Technical Justification:

Project Need Statement

[redacted]

Project Objectives

Improve reliability for the [redacted].

Project Scope

[redacted]

Major Material

- 3,600' 1/0 tree wire
- 3,600' 1/0 bare neutral
- 11 Eversource poles
- 500kVA step down transformer
- 5 customer transformers
- 4 cutouts

Background / Justification

Four Year Outage History:

[redacted]

[redacted]

Four Year Outage History:
Backbone events that caused [redacted] customers to experience an outage.

[redacted]

Business Process and / or Technical Improvements
Improve customer satisfaction and help Eversource achieve its goal for CAIDI and SAIDI.

Alternatives Considered with Cost Estimates
Segment 2 calls to [redacted] 1. There is no conversion in this segment. The total cost is $160,094.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
CTPAC approval	6/3/21
Work order	1/1/22
Full funding	6/1/22
Construction complete	12/31/22

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	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	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays	2022	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2022	Low	Schedule work to minimize system abnormal time. Most of this work will require system to be abnormal for any extended period of time.

References
None

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

CD01746 Need Statement.pdf
CD01746 Geographic Map.vsdx
CD01746 Geographic Map.pdf
CD01746 One Line.vsdx
CD01746 One Line.pdf
CD01746 Load Sheet.xlsx
Outage History_2011-2017.xl
Outage History_2017-2021.xl
Outage History_XF 698_2017-2021.xlsx
Pole Details.xlsx