EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Date Prepared: 7/22/21	**Project Title: [redacted] DB Replacement [redacted]**
Company/ies: Eversource CT	**Project ID Number: CD01788 funds under 101395**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: DB**
Project Manager: [redacted]	**Project Type: DB Cable Replacement – Specific Project**
Project Sponsor: [redacted]	**Project Purpose: DB Cable Replacement**
Estimated in service date: 12/31/22	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted?	**Capital Investment Part of Original Operating Plan? N**
Authorization Type: Initial Funding	**O&M Expenses Part of the Original Operating Plan? N**
Total Request: $144,160	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

The project has been created to address the [redacted]

Project Costs Summary

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$86,944	$0	$0	$86,944
Removals net of Salvage ____%	$0	$3,640	$0	$0	$3,640
Total - Direct Spending	$0	$90,583	$0	$0	$90,583
Capital Additions - Indirect	$0	$49,213	$0	$0	$49,213
Subtotal Request	$0	$139,797	$0	$0	$139,797
AFUDC	$0	$2,244	$0	$0	$2,244
Total Capital Request	$0	$142,040	$0	$0	$142,040
O&M	$0	$2,120	$0	$0	$2,120
Total Request	$0	$144,160	$0	$0	$144,160

Financial Evaluation

Direct Capital Costs	2021	2022	2023+	Total
Straight Time Labor	$2,075	$0	$0	$2,075
Overtime Labor	$1,407	$0	$0	$1,407
Outside Services	$79,516	$0	$0	$79,516
Materials	$7,662	$0	$0	$7,662
Other, including contingency amounts (describe)	($76)	$0	$0	($76)
Total Direct Costs	**$90,583**	**$0**	**$0**	**$90,583**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$49,213	$0	$0	$49,213
Capitalized interest or AFUDC, if any	$2,210	$0	$0	$2,210
Total Indirect Costs	**$51,423**	**$0**	**$0**	**$51,423**
Total Capital Costs	**$142,007**	**$0**	**$0**	**$142,007**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$142,007**	**$0**	**$0**	**$142,007**
Total O&M Project Costs	**$2,153**	**$0**	**$0**	**$2,153**
Total Project Cost	**$ 144,160**	**$ -**	**$ -**	**$ 144,160**

Technical Justification:

Project Need Statement

The project has been created to address the [redacted] since May 2021, with the most recent occurrence on 07/20/21. T[redacted]

Project Objectives
The objective of this project is to reduce the frequency of outages on Rob Ridge Road in Redding.

Project Scope

The project proposes the following:

- [redacted]

Major Material:

Underground conductor: 1150ft #1 AL EPR (Single phase)

Background / Justification
Outages:
[redacted]

DSEM 7.22 dictates that [redacted]

Business Process and / or Technical Improvements:
[redacted]

Alternatives Considered with Cost Estimates

1. Do Nothing ($0) – The [redacted]
2. Replace all existing cable ($160k) – More expensive, may further increase reliability

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Initial Funding Authorization	August 2021
Construction Begin	October 2022
Construction End	December 2022

Regulatory Approvals
None

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2021	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.	2021	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.	2021	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	2021	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2021	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2021	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	2021	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

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

CD01788 Geo Map.pdf

CD01788 Need Statement.pdf