Operations Project Authorization Form

Date Prepared: 04/06/2021	**Project Title: [redacted] DB Cable Replacement**
Company/ies: Eversource CT	**Project ID Number: CD01715 (funded under 101395)**
Organization: Distribution	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Cable Replacement**
Project Manager: [redacted]	**Project Type: Specific (funded under 101395)**
Project Sponsor: [redacted]	**Project Purpose: DB Cable Replacement**
Estimated in service date: 12/31/2021	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted? N	**Capital Investment Part of Original Operating Plan? N**
Authorization Type: Initial Funding	**O&M Expenses Part of the Original Operating Plan? N**
Total Request: $276,768.96	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

The project has been created to address the [redacted]. This project will be funded under 101395.

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$166,921	$0	$0	$166,921
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$6,988	$0	$0	$6,988
Total - Direct Spending	$0	$173,909	$0	$0	$173,909
Capital Additions - Indirect	$0	$94,483	$0	$0	$94,483
Subtotal Request	$0	$268,392	$0	$0	$268,392
AFUDC	$0	$4,307	$0	$0	$4,307
Total Capital Request	$0	$272,699	$0	$0	$272,699
O&M	$0	$4,070	$0	$0	$4,070
Total Request	$0	$276,769	$0	$0	$276,769

Financial Evaluation

Direct Capital Costs	2021	2022	2023+	Total
Direct Capital Costs	**Year 1**	**Year 2**	**Year 3+**	**Total**
Straight Time Labor	$3,983	$0	$0	$3,983
Overtime Labor	$2,701	$0	$0	$2,701
Outside Services	$152,661	$0	$0	$152,661
Materials	$14,709	$0	$0	$14,709
Other, including contingency amounts (describe)	($146)	$0	$0	($146)
Total Direct Costs	**$173,909**	**$0**	**$0**	**$173,909**

Indirect Capital Costs				
Indirects/Overheads (including benefits)	$94,483	$0	$0	$94,483
Capitalized interest or AFUDC, if any	$4,243	$0	$0	$4,243
Total Indirect Costs	**$98,726**	**$0**	**$0**	**$98,726**
Total Capital Costs	**$272,635**	**$0**	**$0**	**$272,635**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$272,635**	**$0**	**$0**	**$272,635**
Total O&M Project Costs	**$4,134**	**$0**	**$0**	**$4,134**
Total Project Cost	**$ 276,769**	**$ -**	**$ -**	**$ 276,769**

Technical Justification:

Project Need Statement
The project has been created to address the [redacted].

Project Objectives
The objective of this project is to reduce the frequency of outages on [redacted].

Project Scope

The project proposes the following:

- [redacted]

Background / Justification

Outages:

[redacted]

Business Process and / or Technical Improvements:
Replacing the cable on [redacted] will reduce the numbers of outages.

Alternatives Considered with Cost Estimates

1. Do Nothing – The [redacted] customers on [redacted] will continue to see frequent outages.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Initial Funding Authorization	April 2021
Construction Begin	September 2021
Construction End	December 2021

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.)

CD01715 Map .pdf

CD01715_design_alt_needs_statement.p