EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Date Prepared: 07/01/21	**Project Title: [redacted] DB Replacement**
Company/ies: Eversource CT	**Project ID Number: CD01778 (fund# 101395)**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Cable Replacement**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: DB Cable Replacement**
Estimated in service date: 12/31/2022	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted? TBD	**Capital Investment Part of Original Operating Plan? N**
Authorization Type: Full Funding	**O&M Expenses Part of the Original Operating Plan? N**
Total Request: $228k	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

This project has been created to address the [redacted] occurring recently on 06/12/2021 for which generator was ordered under 21-E-0757 and fault was repaired. The #1 AL XLP UG cable in this facility was installed in 1980.

This project purposes on replacing [redacted]

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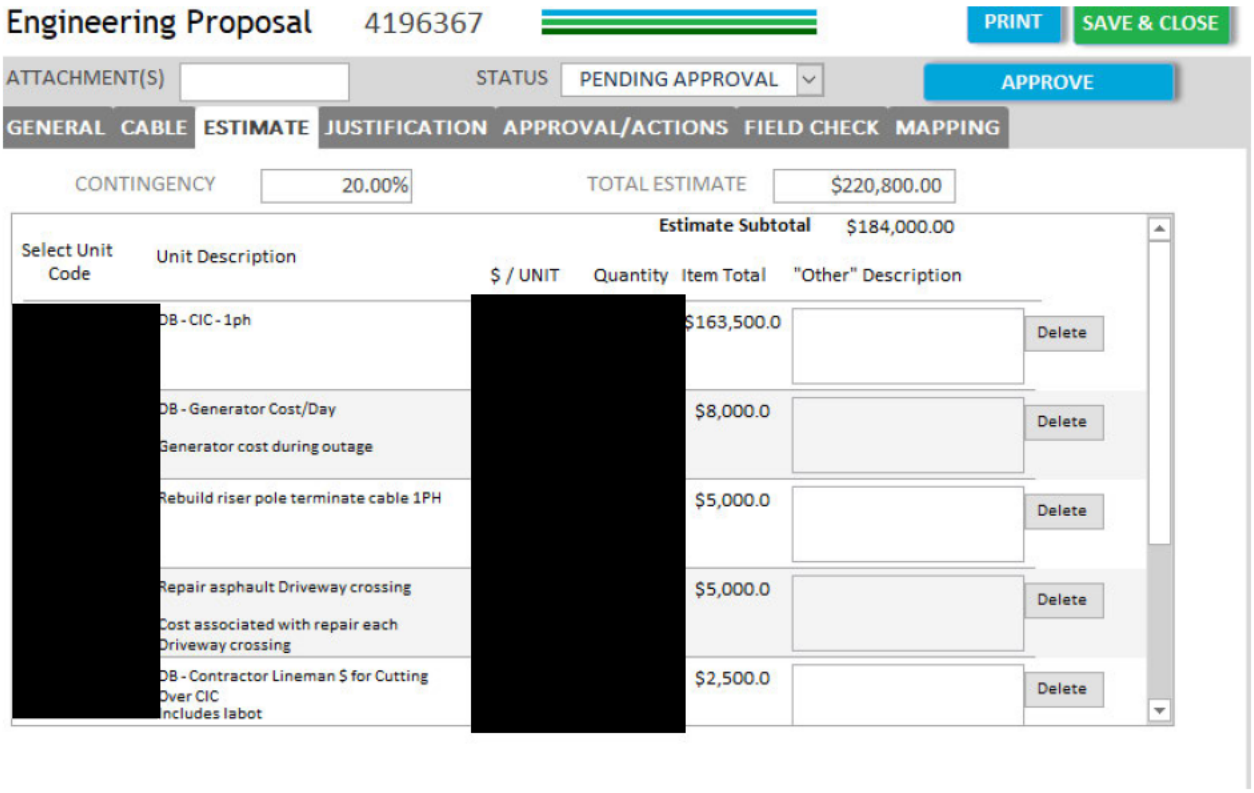
Project Costs Summary

Note: Dollar values are in thousands



	Prior Authorized	2021	20__	20__+	Totals
Capital Additions - Direct	$0	$0	$137,605	$0	$137,605
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$0	$5,760	$0	$5,760
Total - Direct Spending	$0	$0	$143,365	$0	$143,365
Capital Additions - Indirect	$0	$0	$77,889	$0	$77,889
Subtotal Request	$0	$0	$221,254	$0	$221,254
AFUDC	$0	$0	$3,551	$0	$3,551
Total Capital Request	$0	$0	$224,805	$0	$224,805
O&M	$0	$0	$3,355	$0	$3,355
Total Request	$0	$0	$228,160	$0	$228,160

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$0	$3,284	$0	$3,284
Overtime Labor	$0	$2,226	$0	$2,226
Outside Services	$0	$125,849	$0	$125,849
Materials	$0	$12,126	$0	$12,126
Other, including contingency amounts (describe)	$0	($120)	$0	($120)
Total Direct Costs	**$0**	**$143,365**	**$0**	**$143,365**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$0	$77,889	$0	$77,889
Capitalized interest or AFUDC, if any	$0	$3,498	$0	$3,498
Total Indirect Costs	**$0**	**$81,387**	**$0**	**$81,387**
Total Capital Costs	**$0**	**$224,752**	**$0**	**$224,752**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$0**	**$224,752**	**$0**	**$224,752**
Total O&M Project Costs	**$0**	**$3,408**	**$0**	**$3,408**

Total Project Cost	**$ -**	**$ 228,160**	**$ -**	**$ 228,160**

Technical Justification:

Project Need Statement

This project has been created to address the [redacted] since 2017, with [redacted] occurring recently on 06/12/2021 for which generator was ordered under 21-E-0757 and fault was repaired. The #1 AL XLP UG cable in this facility was installed in 1980.

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Project Objectives

Replacing this failing cable will increase reliability.

Project Scope

[redacted]

Major Material:
2,050' of #1 Al in conduit

Background / Outage History

Start Date	Customer Count	Device	Cause Type	Customer Affected Count	Customer Minutes	Duration	Remarks	Structure	Is IEEE Storm	Restoration Time
6/12/2021	15	[redacted]	Equip Failur	[redacted]	3705	247	[redacted]	[redacted]	FALSE	6/12/2021 3:35
6/18/2021	4		Equip Failur		500	125			FALSE	6/18/2021 7:10
8/29/2019	4		Equip Failur		556	139			FALSE	8/29/2019 8:47
5/15/2018	15		Tree Relate		50465	10031			TRUE	5/22/2018 2:45
6/21/2017	11		Equip Failur		1045	95			FALSE	6/21/2017 12:09
6/25/2017	4		Equip Failur		564	141			FALSE	6/25/2017 12:31

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Full Funding Approval	July,2021
Construction Start Date	June, 2021
Construction End Date	July,2022

Regulatory Approvals

N/A

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

CD01778 Outage Report.pdf
CD01778_design_alt_needs_statement.p
CD01778 Map.pdf