Operations Project Authorization Form

Date Prepared: 6/08/2020	**Project Title: [redacted] Replacement**
Company/ies: Eversource CT	**Project ID Number: CD01562**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager [redacted]	**Project Type: UG Obsolescence**
Project Sponsor: [redacted]	**Project Purpose: Replace Damaged Switchgear**
Estimated in service date: 12/31/2020	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted?	**Capital Investment Part of Original Operating Plan?**
Authorization Type: Preliminary	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $284,087	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

[redacted]

Project Costs Summary

	Prior Authorized	2020	2021	2022+	Totals
Capital Additions - Direct	$0	$167,161	$0	$0	$167,161
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$18,408	$0	$0	$18,408
Total - Direct Spending	$0	$185,570	$0	$0	$185,570
Capital Additions - Indirect	$0	$96,366	$0	$0	$96,366
Subtotal Request	$0	$281,936	$0	$0	$281,936
AFUDC	$0	$1,976	$0	$0	$1,976
Total Capital Request	$0	$283,912	$0	$0	$283,912
O&M	$0	$175	$0	$0	$175
Total Request	$0	$284,087	$0	$0	$284,087

Financial Evaluation

Direct Capital Costs	2020	2021	2022+	Total
Straight Time Labor	$23,680	$0	$0	$23,680
Overtime Labor	$8,600	$0	$0	$8,600
Outside Services	$54,609	$0	$0	$54,609
Materials	$95,365	$0	$0	$95,365
Other, including contingency amounts (describe)	$3,316	$0	$0	$3,316
Total Direct Costs	**$185,570**	**$0**	**$0**	**$185,570**

Indirect Capital Costs	2020	2021	2022+	Total
Indirects/Overheads (including benefits)	$96,366	$0	$0	$96,366
Capitalized interest or AFUDC, if any	$1,975	$0	$0	$1,975
Total Indirect Costs	**$98,341**	**$0**	**$0**	**$98,341**
Total Capital Costs	**$283,911**	**$0**	**$0**	**$283,911**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$283,911**	**$0**	**$0**	**$283,911**
Total O&M Project Costs	**$176**	**$0**	**$0**	**$176**
Total Project Cost	**$ 284,087**	**$ -**	**$ -**	**$ 284,087**

Technical Justification:

Project Need Statement

[redacted]

Project Objectives

[redacted]

Project Scope

[redacted]

Major Material:

- Pair of PMH-9/12 Switchgears

Background / Justification

Upon working on a project on [redacted]

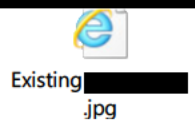
Business Process and / or Technical Improvements:

[redacted]

Alternatives Considered with Cost Estimates

[redacted]

[redacted]



[redacted]
thus requiring at least an additional $197,760 to not only reconfigure the top of the current manhole, but also to install an additional structure to support a second switchgear. A new easement and additional real estate will also be required for the new structure. Additionally, there are PMH switchgears currently in stock at Eversource whereas there would be a lengthy delay in getting PME switchgears. [redacted]
Due to these restrictions and additional cost, the preferred option is to install a pair of the PMH-9/12 switchgears that are currently in stock.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Approval (ENG)	June 2020
Switchgear Replaced	December 2020

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2021	Medium	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Storm delays	2021	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2021	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

damage 1.jpg
damage 2.jpg
damage 3.jpg
damage 4.jpg
damage.jpg

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

1[redacted].pdf
CD01562_project_needs_statement.pdf
[redacted] Load Sheet.xlsx