Operations Project Authorization Form

Date Prepared: 08/18/2021	**Project Title: [redacted] Contingency Overload**
Company/ies: Eversource CT	**Project ID Number: CD01794**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager: [redacted]	**Project Type: Overloads – Specific Project**
Project Sponsor: [redacted]	**Project Purpose: Address Contingency Overloads at [redacted]**
Estimated in service date: 12/31/21	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted? No	**Capital Investment Part of Original Operating Plan? N**
Authorization Type: Initial Funding	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $190,484	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

This project has been established to address a [redacted]

Project Costs Summary

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$112,845	$0	$0	$112,845
Removals net of Salvage ____%	$0	$7,535	$0	$0	$7,535
Total - Direct Spending	$0	$120,380	$0	$0	$120,380
Capital Additions - Indirect	$0	$59,516	$0	$0	$59,516
Subtotal Request	$0	$179,896	$0	$0	$179,896
AFUDC	$0	$4,671	$0	$0	$4,671
Total Capital Request	$0	$184,567	$0	$0	$184,567
O&M	$0	$5,917	$0	$0	$5,917
Total Request	$0	$190,484	$0	$0	$190,484

Financial Evaluation

Direct Capital Costs	2021	2022	2023+	Total
Straight Time Labor	$6,171	$0	$0	$6,171
Overtime Labor	$1,279	$0	$0	$1,279
Outside Services	$72,576	$0	$0	$72,576
Materials	$39,864	$0	$0	$39,864
Other, including contingency amounts (describe)	$490	$0	$0	$490
Total Direct Costs	**$120,380**	**$0**	**$0**	**$120,380**

Indirect Capital Costs	2021	2022	2023+	Total
Indirects/Overheads (including benefits)	$59,516	$0	$0	$59,516
Capitalized interest or AFUDC, if any	$4,522	$0	$0	$4,522
Total Indirect Costs	**$64,038**	**$0**	**$0**	**$64,038**
Total Capital Costs	**$184,418**	**$0**	**$0**	**$184,418**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$184,418**	**$0**	**$0**	**$184,418**
Total O&M Project Costs	**$6,066**	**$0**	**$0**	**$6,066**

Total Project Cost	**$ 190,484**	**$ -**	**$ -**	**$ 190,484**

Technical Justification:

Project Need Statement

This project has been established to address a [redacted]

Project Objectives

The main objectives of this project are as follows:

- [redacted]
- [redacted]
- [redacted].

Project Scope

To meet the above objectives, the scope of the project proposes the following:

[redacted]

Major Material:

2 – Cooper Nova Form 6 Recloser

Background / Justification

[redacted] The [redacted]

Business Process and / or Technical Improvements:

[redacted]

Alternatives Considered with Cost Estimates

Option 2 was selected due to the cost per MVA, and the additional backup for the [redacted]
Option 3 was not selected due to the [redacted]

[redacted]

- Swap direction of [redacted]

Project Option Comparison

Design Criteria	[redacted]		
Cost	$ 265K	$323K	$190K
Cost / MVA added	$46K/MVA	$57/MVA	$34/MVA
Cost / CM Saved	$0.33/CM	$0.4/CM	$0.24/CM
Cost / CI Saved	$394.89/CI	$480.72/CI	N/A
Preferred option			X

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Initial Funding	8/15/2021
Detail Design	9/30/2021
Full Funding Authorization	9/31/2021
Construction to begin	10/1/2021
Construction Complete	12/31/2021

Regulatory Approvals

N/A

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.
Customer Permission / Siting Council / Municipal approvals	2021	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2021	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.	2021	High	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
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	Low	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 manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.
Wetlands / Environmentally sensitive area	2021	Low	Use of mats and specialty equipment, only work during certain times of the year.

References

N/A

Attachments

One-Lines:

CD01794 Oneline Rev1.pdf

Project Map:

CD01794 Geo Map Rev1.pdf

Load Summary:

CD01794 2[redacted] Load S

Need Statement:

CD01794_project_need_statement_Rev1.pd