EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Date Prepared: 7/24/2020	**Project Title: [redacted] Normal Overload**
Company/ies: Eversource CT	**Project ID Number: CD01558**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager: [redacted]	**Project Type: Overloads – Specific Projects**
Project Sponsor: [redacted]	**Project Purpose: Address [redacted] Normal Overload**
Estimated in service date: 06/01/21	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted? No	**Capital Investment Part of Original Operating Plan?**
Authorization Type: Initial Funding	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $ 803,206	

Financial Requirements:

Project Authorization
ERM: _____

FP&A: _____

Executive Summary

This project was established to address the [redacted]

[redacted] was recently rerated with USAMP using the most recent manhole inspection forms. [redacted]

[redacted]

[redacted] will be addressed on a separate project.

Project Costs Summary

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$475,831	$0	$0	$475,831
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$31,772	$0	$0	$31,772
Total - Direct Spending	$0	$507,603	$0	$0	$507,603
Capital Additions - Indirect	$0	$250,959	$0	$0	$250,959
Subtotal Request	$0	$758,562	$0	$0	$758,562
AFUDC	$0	$19,695	$0	$0	$19,695
Total Capital Request	$0	$778,257	$0	$0	$778,257
O&M	$0	$24,949	$0	$0	$24,949
Total Request	$0	$803,206	$0	$0	$803,206

Financial Evaluation

Direct Capital Costs	2021	2022	2023+	Total
Straight Time Labor	$26,021	$0	$0	$26,021
Overtime Labor	$5,394	$0	$0	$5,394
Outside Services	$306,028	$0	$0	$306,028
Materials	$168,092	$0	$0	$168,092
Other, including contingency amounts (describe)	$2,068	$0	$0	$2,068
Total Direct Costs	**$507,603**	**$0**	**$0**	**$507,603**

Indirect Capital Costs	2021	2022	2023+	Total
Indirects/Overheads (including benefits)	$250,959	$0	$0	$250,959
Capitalized interest or AFUDC, if any	$19,068	$0	$0	$19,068
Total Indirect Costs	**$270,027**	**$0**	**$0**	**$270,027**
Total Capital Costs	**$777,630**	**$0**	**$0**	**$777,630**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$777,630**	**$0**	**$0**	**$777,630**
Total O&M Project Costs	**$25,576**	**$0**	**$0**	**$25,576**
Total Project Cost	**$ 803,206**	**$ -**	**$ -**	**$ 803,206**

Technical Justification:

Project Need Statement

[redacted] was recently rerated with USAMP using the most recent manhole inspection forms. After completing the USAMP analysis, [redacted]

[redacted] was recently rerated with USAMP using the most recent manhole inspection forms. [redacted]

Project Objectives

The main objectives of this project are as follows:

- [redacted]

Project Scope

[redacted]

Major Material:

1. 150' of duct bank
2. 2625' of 1000 Cu Egress Cable
3. 2 riser poles
4. 7 CL&P Poles
5. 2100' of 750 AL AC

Background / Justification

The [redacted]

Currently, the [redacted]

[redacted]

The UG cable ratings for the [redacted] were completed approximately 13 years ago, which prompted a USAMP study to be conducted. From the study, [redacted]

[redacted].

The [redacted]

[redacted]

Business Process and / or Technical Improvements:

- [redacted]

Alternatives Considered with Cost Estimates

Option 2 – Install Parallel Duct bank along [redacted]
Install 1[redacted] This option costs $1.26M. Due to the high cost, this option is not preferred.

Option 3 – Install Duct bank down [redacted] This option cost $1.13M. Due to the high cost, this option is not preferred.

Project Option Comparison

	Option [redacted]		
Cost	**$803.2**	$1.56M	$1.43M
Cost / MVA added	2.77MVA	2.77MVA	3.4MVA
Cost / CM Saved	$14.35	$23.64	$23.44
Preferred option	X		

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Initial Funding	July 2020
Detail Design	January 2021
Full Funding Authorization	February 2021
Construction to begin	June 2021
Construction Complete	December 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	High	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	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
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

N/A

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

Project Map:



Load Summary:



Need Statement:

