EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Date Prepared: 04/18/19	**Project Title: [redacted] UG Cable Replacement**
Company/ies: Eversource CT	**Project ID Number: CD01310**
Organization: Distribution	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Cable Replacement**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: Line Relocation**
Estimated in service date: 12/31/2019	**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: $176,930	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

The project has been created to address the [redacted]

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	2019	2020	2021+	Totals
Capital Additions - Direct	$0	$101,012	$0	$0	$101,012
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$2,393	$0	$0	$2,393
Total - Direct Spending	$0	$103,405	$0	$0	$103,405
Capital Additions - Indirect	$0	$64,778	$0	$0	$64,778
Subtotal Request	$0	$168,183	$0	$0	$168,183
AFUDC	$0	$2,018	$0	$0	$2,018
Total Capital Request	$0	$170,200	$0	$0	$170,200
O&M	$0	$6,730	$0	$0	$6,730
Total Request	$0	$176,930	$0	$0	$176,930

Financial Evaluation

Direct Capital Costs	**2019**	**2020**	**2021+**	**Total**
Direct Capital Costs	**Year 1**	**Year 2**	**Year 3+**	**Total**
Straight Time Labor	$15,325	$0	$0	$15,325
Overtime Labor	$4,164	$0	$0	$4,164
Outside Services	$13,307	$0	$0	$13,307
Materials	$70,200	$0	$0	$70,200
Other, including contingency amounts (describe)	$410	$0	$0	$410
Total Direct Costs	**$103,405**	**$0**	**$0**	**$103,405**

Indirect Capital Costs				
Indirects/Overheads (including benefits)	$64,778	$0	$0	$64,778
Capitalized interest or AFUDC, if any	$1,940	$0	$0	$1,940
Total Indirect Costs	**$66,718**	**$0**	**$0**	**$66,718**
Total Capital Costs	**$170,123**	**$0**	**$0**	**$170,123**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$170,123**	**$0**	**$0**	**$170,123**
Total O&M Project Costs	**$6,807**	**$0**	**$0**	**$6,807**
Total Project Cost	**$ 176,930**	**$ -**	**$ -**	**$ 176,930**

Technical Justification:

Project Need Statement

The project has been created to address the [redacted]

Project Objectives

The objective of this project is to reduce [redacted]

Project Scope

[redacted]

Background / Justification

	DPU Non-Storm Default	DPU Non-Storm Override	IEEE Non-Storm Default	IEEE Non-Storm Override	ALL Default	ALL Override
Customer Interruptions Saved:	3.50	0.00	3.50	0.00	3.50	0.00
Cost Per Customer Interruption Saved:	50,551.68	0.00	50,551.68	0.00	50,551.68	0.00
Customer Minutes Saved:	576.18	0.00	576.18	0.00	576.18	0.00
Cost Per Customer Minutes Saved:	307.08	0.00	307.08	0.00	307.08	0.00

Business Process and / or Technical Improvements:

[redacted]

Alternatives Considered with Cost Estimates

1. Do Nothing – [redacted].

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Initial Funding Authorization	April 2019
Construction Begin	June 2019
Construction End	August 2019

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.	2019	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.	2019	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.	2019	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	2019	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2019	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2019	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	2019	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.)

CD01310 - [redacted] Map

Fault Locations - [redacted] - [redacted].pc

CD01310 design_alt_needs_st

[redacted], Newtown CT Estima