EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Date Prepared: March 30, 2020	**Project Title:** [redacted] (Part-1)
Company/ies: Eversource CT	**Project ID Number:** CD01512
Organization: Distribution Engineering	**Class(es) of Plant:** Distribution
Project Initiator: [redacted]	**Project Category:** New Service
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Project Purpose:** Conversion, OH Removal & Install URD.
Estimated in service date: 12/31/2020	**If Transmission Project:** N/A
Eng. / Constr. Resources Budgeted? Yes	**Capital Investment Part of Original Operating Plan?** Yes
Authorization Type: Full Funding	**O&M Expenses Part of the Original Operating Plan?** Yes
Total Request: $ 282,895 (before Customer Contribution)	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

[redacted] has demolished their old [redacted] [redacted] and begun part-1 construction of the new [redacted].

This phase will have around 80 electric services and is a mixture of apartments and townhomes.

Once all [redacted] phases are complete, there will be [redacted] within the entire complex.

Project CD01512 is required to convert the present [redacted]

Total project cost after a $162,754 customer reimbursement is $120,141.

Present 5 KV area of [redacted]

[redacted] - Before.pdf

Project Costs Summary

	Prior Authorized	2020	2021	2022+	Totals
Capital Additions - Direct	$0	$146,938	$0	$0	$146,938
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$6,557	$0	$0	$6,557
Total - Direct Spending	$0	$153,495	$0	$0	$153,495
Capital Additions - Indirect	$0	$114,796	$0	$0	$114,796
Subtotal Request	$0	$268,291	$0	$0	$268,291
AFUDC	$0	$4,413	$0	$0	$4,413
Total Capital Request	$0	$272,705	$0	$0	$272,705
O&M	$0	$10,185	$0	$0	$10,185
Total Request	$0	$282,890	$0	$0	$282,890

Financial Evaluation

Direct Capital Costs	2020	2021	2022+	Total
Straight Time Labor	$21,365	$0	$0	$21,365
Overtime Labor	$3,640	$0	$0	$3,640
Outside Services	$67,783	$0	$0	$67,783
Materials	$60,185	$0	$0	$60,185
Other, including contingency amounts (describe)	$522	$0	$0	$522
Total Direct Costs	**$153,495**	**$0**	**$0**	**$153,495**

Indirect Capital Costs	2020	2021	2022+	Total
Indirects/Overheads (including benefits)	$114,796	$0	$0	$114,796
Capitalized interest or AFUDC, if any	$4,252	$0	$0	$4,252
Total Indirect Costs	**$119,048**	**$0**	**$0**	**$119,048**
Total Capital Costs	**$272,543**	**$0**	**$0**	**$272,543**
Less Total Customer Contribution	**$162,754**	**$0**	**$0**	**$162,754**
Total Capital Project Costs	**$109,789**	**$0**	**$0**	**$109,789**
Total O&M Project Costs	**$10,347**	**$0**	**$0**	**$10,347**
Total Project Cost	**$ 120,136**	**$ -**	**$ -**	**$ 120,136**

Project Need Statement / Objectives:

Upgrade OH facilities and install direct buried electric equipment to serve the new [redacted].

Project Scope:

[redacted]

The OH removal work is for cosmestic reasons only. Therefore, customer has been given a bill for $162,754 to accomplish this task.

Business Process and/or Technical Improvements:

Provide & maintain electric service to Customers within Eversource's Connecticut franchise territory.

Modify electric distribution system to increase capacity and improve reliability.

Alternatives Considered: Install Manholes & Duct Bank along [redacted]

Eversource Alternative Design Cost = $ 523,141
Customer,s Alternative Design Cost + $ 553,695

The installation of manholes & duct bank infrastructure would have allowed Eversource to [redacted]

This option was rejected by Eversource Management. Per their interpretation, we cannot force a customer to pay for system upgrades beyond their immediate or future service requirements.

If a line of site is available, the chosen [redacted] design will allow Eversource to install underground facilities on [redacted] at some time in the future.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Initial Funding Authorization	March 2020
Detail Design	March 2020
Full Funding Authorization	March 2020
Begin Construction	April 2020
Complete Construction	November 2020

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.	2020	Medium	Estimated project cost is based on past work orders for similar type work. In all likelihood, construction for this project will be accomplished by venders.
Internal construction resources not available to perform the work.	2020	Low	The current plan will use internal resources to perform this work. If outside vends perform work or complete any portions of this project, capital dollars will increase.
Internal engineering resources not available to perform the work.	2020	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost
Materials Shortage or long lead times	2020	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2020	Medium	Internal and external resources may be used for storm activity that could delay work. At which point, Eversource may be forced to use external resources.
System abnormal configuration	2020	Medium	Schedule work to minimize system abnormal time. Alternative circuit is available if system is abnormal for extended period.

References: N/A

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


[redacted], OH Conversion.pdf


[redacted] After rev1.pdf


[redacted] - Real Work Order Co