Operations Project Authorization Form

Date Prepared: 6/28/21	**Project Title: [redacted], Cheshire**
Company/ies: Eversource CT	**Project ID Number: 2M621710P –** WO: 2M621710
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: OH-Reliability**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: Reliability**
Estimated in service date: 7/21/2020	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted? Y	**Capital Investment Part of Original Operating Plan? N**
Authorization Type: Final Funding	**O&M Expenses Part of the Original Operating Plan? N**
Total Request: $348.5K	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

Work order 2M621710 was created to convert [redacted]. After several issues in 2020, operations requested the old work order to be rewritten and scheduled for the conversion of Belridge Rd and Valley Rd. Both streets were rebuilt with new poles, 1/0 tree wire and neutral or secondary as needed. This work was performed by contractors and exceeded their initial estimate by over 20%.

Since the work performed on the annual work order exceeded $100K, this project was created.

Project Costs Summary

Note: Dollars are in thousands

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$188.2	$0	$0	$188.2
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$0	$0	$0	$0
Total - Direct Spending	$0	$188.2	$0	$0	$188.2
Capital Additions - Indirect	$0	$121.8	$0	$0	$121.8
Subtotal Request	$0	$310.0	$0	$0	$310.0
AFUDC	$0	$0	$0	$0	$0
Total Capital Request	$0	$310.0	$0	$0	$310.0
O&M	$0	$38.5	$0	$0	$38.5
Total Request	**$0**	**$348.5**	**$0**	**$0**	**$348.5**

Financial Evaluation

Note: Dollars are in thousands

Direct Capital Costs	2021	2022	2023+	Total
Straight Time Labor	$0.3	$0	$0	$0.3
Overtime Labor	$0	$0	$0	$0
Outside Services	$176.7	$0	$0	$176.7
Materials	$12.5	$0	$0	$12.5
Other, including contingency amounts (describe)	($1.3)	$0	$0	($1.3)
Total Direct Costs	**$188.2**	**$0**	**$0**	**$188.2**

Indirect Capital Costs	2021	2022	2023+	Total
Indirects/Overheads (including benefits)	$121.8	$0	$0	$121.8
Capitalized interest or AFUDC, if any	$0	$0	$0	$0
Total Indirect Costs	**$121.8**	**$0**	**$0**	**$121.8**
Total Capital Costs	**$310.0**	**$0**	**$0**	**$310**
Total O&M Project Costs	**$38.5**	**$0**	**$0**	**$38.5**

Total Project Cost	**$ 348.5**	**$ -**	**$ -**	**$ 348.5**

Technical Justification:

Project Need Statement

This project is required to support Operations request to convert [redacted] in Cheshire after recent outages. Work Order 2M621710 was originally requested in 2016, but after outages in 2020, operations asked for the old work order to be rewritten and placed on the schedule as soon as possible.

Project Scope

This project calls to:

- Reconductor [redacted] in Cheshire with 1/0 TW and install neutral or TPX as needed.
- Reconductor [redacted] Cheshire with 1/0 TW and install neutral or TPX as needed.

Major Material

5,100' of 1/0 TW
2,000' of 1/0 Neutral
2,400' 1/0 TPX
19 Wood Poles
7 Cutouts

Background / Justification
After recent outages these streets were rebuilt and converted to 23 kV to provide a reliable service to the customer.

Business Process and / or Technical Improvements
All work will be done to current specifications.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Project Initiation	08/15/2016
Project In-Service Date	07/21/2020

Regulatory Approvals
None needed

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	Create a PAF if the Work Order cost exceeds $100k
Internal construction resources not available to perform the work.	2020	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.	2016	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays	2020	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2020	Low	Schedule work to minimize system abnormal time. Most of this work will require system to be abnormal for any extended period of time.

Attachments

2M621710 Sketch.pdf