Operations Project Authorization Form

Date Prepared: 12/3/2018	**Project Title:** Ridgefield, [redacted] BRKN POLE & Oil Spill
Company/ies: Eversource CT	**Project ID Number: 1B823185P** – Project: AROH1BA
Organization: Distribution Electric	**Class(es) of Plant:** Distribution
Project Initiator: [redacted]	**Project Category:** OH Cable Replacement
Project Manager:	**Project Type:** Specific
Project Sponsor: [redacted]	**Project Purpose:** Reliability
Estimated in service date: 12/2018	**If Transmission Project: PTF?** N/A
Eng. /Constr. Resources Budgeted? Y	**Capital Investment Part of Original Operating Plan?**
Authorization Type: Final Funding	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $176,904	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

This request is for the approval of Ridgefield, Harvey Rd BRKN Pole 20 and the work orders associated with it for 2021. The purpose of this request is for the approval of the restoration of the down primary wire and broken [redacted]. The restoration also consisted of an oil cleanup, new 25 KVA transformer, and new pole & anchor set. This project was initiated on 12/3/2018 at 18:18 and completed at 19:40. During the restoration, photos and notes were captured and documented to address the emergent issues due to this environmental concern.

Project Costs Summary

Note: Dollars are in thousands

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$102.1	$0	$0	$102.1
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$0	$0	$0	$0
Total - Direct Spending	$0	$102.1	$0	$0	$102.1
Capital Additions - Indirect	$0	$53.7	$0	$0	$53.7
Subtotal Request	$0	$155.8	$0	$0	$155.8
AFUDC	$0	$0	$0	$0	$0
Total Capital Request	$0	$155.8	$0	$0	$155.8
O&M	$0	$21.1	$0	$0	$21.1
Total Request	**$0**	**$176.9**	**$0**	**$0**	**$176.9**

Financial Evaluation

Note: Dollars are in thousands

Direct Capital Costs	2021	2022	2023+	Total
Straight Time Labor	$0.4	$0	$0	$0.4
Overtime Labor	$3.2	$0	$0	$3.2
Outside Services	$96.0	$0	$0	$96.0
Materials	$1.5	$0	$0	$1.5
Other, including contingency amounts (describe)	$1.0	$0	$0	$1.0
Total Direct Costs	**$102.1**	**$0**	**$0**	**$102.1**

Indirect Capital Costs	2021	2022	2023+	Total
Indirects/Overheads (including benefits)	$53.7	$0	$0	$53.7
Capitalized interest or AFUDC, if any	$0	$0	$0	$0
Total Indirect Costs	**$53.7**	**$0**	**$0**	**$53.7**
Total Capital Costs	**$155.8**	**$0**	**$0**	**$155.8**
Total O&M Project Costs	**$21.1**	**$0**	**$0**	**$21.1**

Total Project Cost	**$ 176.9**	**$ -**	**$ -**	**$ 176.9**

Technical Justification:

Project Need Statement
Emergent issues occurred, pole replacements and oil cleanups were required to address the area. The broken poles were replaced, new transformer was installed, primary wire was replaced, and the oil was cleaned from the swamp.

Project Objectives
The objective of this project was to replace OH cable and poles that had a history of failure to improve reliability and customer experience.

Project Scope
To complete this restoration, this project required Eversource crews to replace 2 poles, three phase cable, elbows, lightning arresters, a transformer, and all other associated equipment/material.

Major Material

1. 2 New Poles
2. 1/0 Bare ACSR
3. 1/0 Poly 175MIL ACSR
4. 4/0 3CT 600V Cable DB XLP
5. Anchors
6. 25KVA Transformer
7. Oil Spill Cleanup

Background / Justification
This situation was causing an environmental concern with an oil filled transformer leaking as well as creating a potentially hazardous situation with 2 poles and primary wire down.

Business Process and / or Technical Improvements
All construction was in accordance with the latest Eversource standards.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Project Initiation	12/3/2018
Project In-Service Date	12/3/2018

Regulatory Approvals
The approval was accepted on 12/3/2018 in order to compete the restoration.

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation

Actual cost higher than estimated due to scope changes.	2018	Medium	Create a PAF if the Work Order cost exceeds $100k
Internal construction resources not available to perform the work.	2018	Low	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.	2018	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays	2018	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2018	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


101097300 - HARVEY RD RIDGEFI


101097302 - Event# 3821065 78 Harvey r


101097365 - img389.pdf


101100454 - img462.pdf


101123518 - WR 3209033 email.pdf


101123544 - 3209033.pdf


101436279 - WO PKG #3209033.pdf