EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Date Prepared: 4/25/2019	**Project Title: [redacted], [redacted], Reconductor**
Company/ies: Eversource CT	**Project ID Number: CD01314**
Organization: Distribution Engineering	**Class(es) of Plant: Distribution Overhead**
Project Initiator: [redacted]	**Project Category: Reliability Improvement**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: Improve Quality of Service**
Estimated in service date: 12/31/2019	**If Transmission Project: PTF? N/A**
Eng. / Constr. Resources Budgeted? No	**Capital Investment Part of Original Operating Plan? N**
Authorization Type: Full Funding Authorization	**O&M Expenses Part of the Original Operating Plan? N**
Total Request: $214,798	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

Project CD01314 is being established to cover the costs associated with improving the quality of service to [redacted]. In 2018, two PURA complaints were received from customers in this area. The facilities on [redacted] [redacted] [redacted]

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	2019	2020	2021+	Totals
Capital Additions - Direct	$0	$92	$0	$0	$92
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$28	$0	$0	$28
Total - Direct Spending	$0	$119	$0	$0	$119
Capital Additions - Indirect	$0	$83	$0	$0	$83
Subtotal Request	$0	$203	$0	$0	$203
AFUDC	$0	$2	$0	$0	$2
Total Capital Request	$0	$205	$0	$0	$205
O&M	$0	$10	$0	$0	$10
Total Request	**$0**	**$215**	**$0**	**$0**	**$215**

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$15	$0	$0	$15
Overtime Labor	$3	$0	$0	$3
Outside Services	$72	$0	$0	$72
Materials	$28	$0	$0	$28
Other, including contingency amounts (describe)	$1	$0	$0	$1
Total	**$119**	**$0**	**$0**	**$119**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$83	$0	$0	$83
Capitalized interest or AFUDC, if any	$2	$0	$0	$2
Total	**$85**	**$0**	**$0**	**$85**

Total Capital Costs	**$205**	**$0**	**$0**	**$205**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$205**	**$0**	**$0**	**$205**
Total O&M Project Costs	**$10**	**$0**	**$0**	**$10**

Note: Explain unique payment provisions, if applicable

Technical Justification:

Project Need Statement

Project CD01314 is being established to reconductor the #4 CU bare primary on [redacted] to improve the quality of service to the affected customers.

Project Objectives

The objective of this project is to improve the quality of service to the [redacted] and removal of hazard trees to reduce the number of tree related outages to the affected customers.

Project Scope

[redacted]

Background / Justification

The 17 customers [redacted] In 2018, two PURA complaints were received from customers in this area.

The following table shows the outage history from 1/1/2007 to present for the device on pole [redacted]

[redacted]

Business Process and / or Technical Improvements:

[redacted]

Alternatives Considered with Cost Estimates

One alternative is to just trim the area to reduce the tree exposure. However, this area was trimmed in 2018 and still continues to experience tree related outages.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Detailed Design Estimate	Complete
Full Funding Approval	May 2019
Construction Complete	December 2019

Regulatory Approvals

None required.

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.
Customer Permission / Siting Council / Municipal approvals	2019	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2018	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.	2018	N/A	Detail design engineering has already been completed.
Materials Shortage or long lead times	2019	Low	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	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods

References

N/A

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



CD01314-[redacted]
[redacted] Bethany Recon

Cost Estimate Backup Details



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eeds_statement_04-



WR 3200831
Estimate.pdf