Operations Project Authorization Form

Date Prepared: January 29, 2020	**Project Title: [redacted] – Convert [redacted]**
Company/ies: Eversource CT	**Project ID Number: CD01492**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager: [redacted]	**Project Type: General Modernization**
Project Sponsor: [redacted]	**Project Purpose: Convert to 23kV for New Customer**
Estimated in service date: May 2020	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted?	**Capital Investment Part of Original Operating Plan?**
Authorization Type: Preliminary Funding	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $117,390	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

[redacted]

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	20__	20__	20__+	Totals
Capital Additions - Direct	$0	$61	$0	$0	$61
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$10	$0	$0	$10
Total - Direct Spending	$0	$71	$0	$0	$71
Capital Additions - Indirect	$0	$41	$0	$0	$41
Subtotal Request	$0	$113	$0	$0	$113
AFUDC	$0	$4	$0	$0	$4
Total Capital Request	$0	$117	$0	$0	$117
O&M	$0	$0	$0	$0	$0
Total Request	$0	$117	$0	$0	$117

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$19	$0	$0	$19
Overtime Labor	$1	$0	$0	$1
Outside Services	$28	$0	$0	$28
Materials	$25	$0	$0	$25
Other, including contingency amounts (describe)	($1)	$0	$0	($1)
Total Direct Costs	**$71**	**$0**	**$0**	**$71**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$41	$0	$0	$41
Capitalized interest or AFUDC, if any	$4	$0	$0	$4
Total Indirect Costs	**$46**	**$0**	**$0**	**$46**
Total Capital Costs	**$117**	**$0**	**$0**	**$117**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$117**	**$0**	**$0**	**$117**
Total O&M Project Costs	**$0**	**$0**	**$0**	**$0**

Total Project Cost	**$ 117**	**$ -**	**$ -**	**$ 117**

Technical Justification:

Project Need Statement

A new service request for an UG loop feed to a 144-unit apartment development on [redacted] was received recently. [redacted]

Project Objective

[redacted]

Project Scope

[redacted]

Major Material:

(1) 500kVA 23kV/4.8kV step down transformer.

Background / Justification

The new apartment site is located on a former convalescent home which was fed from overhead lines. The new customer is requesting an UG service. [redacted]

Business Process and / or Technical Improvements:

Alternatives Considered with Cost Estimates

The alternative is to [redacted]. The cost for the alternative is $101.4K.

CD01492 [redacted] Convert [redacted] Option Comparison			
Options	(K)	PRO	CON
Option 1: [redacted]	$117.4	Lowest cost. [redacted]	
Option 2: [redacted]	$101.4	[redacted] Converts economically.	Higher Cost
Total	$218.8		

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Approval	2/8/2020
Detailed Design	3/31/2020
Construction Start Date	4/1/2020
Construction End Date	6/30/2020

Regulatory Approvals

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation

Actual cost higher than estimated due to scope changes.	2020	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	2020	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction 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.
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.
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.

References

Reference Project CD01491 – New UG Loop to apartments.

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


CD01491%20Substation%20Load%20Wc


CD01491%[redacted]20One-Line.vsd


CD01492[redacted] Map.pd