EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Date Prepared: 06/09/2021	**Project Title: New Service** [redacted]
Company/ies: Eversource CT	**Project ID Number: CD01761**
Organization: Distribution Engineering	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager: [redacted]	**Project Type: New Service**
Project Sponsor: [redacted]	**Project Purpose: Recond 1-PH to 3-PH to cust location**
Estimated in service date: 12/31/2021	**If Transmission Project: PTF? No**
Eng. / Constr. Resources Budgeted? Yes	**Capital Investment Part of Original Operating Plan? Yes**
Authorization Type: Preliminary Funding	**O&M Expenses Part of the Original Operating Plan? Yes**
Total Request: $420K ($16.8K)	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

Project CD01761 extends three phase to a new customer on [redacted]. The new customer is requesting a three phase service located on [redacted]

[redacted]

The customer indicated that there will be two additional services when two adjacent lots are developed. The customer contribution for [redacted] for this service is $16,828 per NB-2.

Per the NB-12 policy, the anticipated yearly revenue times 6.7 years is $413K. Three phase could be extended to the customer at a cost of $313K by installing three single phase steps for three laterals. Since the $413K is greater than $313K, there is no NB-12 customer contribution. This project includes a betterment [redacted] at a total cost of $420K.

The customer will be [redacted]. Please see the attached google/oms view.

Project Costs Summary
Dollars in thousands

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$218	$0	$0	$218
Removals net of Salvage ____%	$0	$10	$0	$0	$10
Total - Direct Spending	$0	$228	$0	$0	$228
Capital Additions - Indirect	$0	$170	$0	$0	$170
Subtotal Request	$0	$398	$0	$0	$398
AFUDC	$0	$7	$0	$0	$7
Total Capital Request	$0	$405	$0	$0	$405
O&M	$0	$15	$0	$0	$15
Total Request	$0	$420	$0	$0	$420

Financial Evaluation

Dollars in thousands

Direct Capital Costs	2021	2022	2023+	Total
Straight Time Labor	$32	$0	$0	$32
Overtime Labor	$5	$0	$0	$5
Outside Services	$101	$0	$0	$101
Materials	$89	$0	$0	$89
Other, including contingency amounts (describe)	$1	$0	$0	$1
Total Direct Costs	**$228**	**$0**	**$0**	**$228**

Indirect Capital Costs	2021	2022	2023+	Total
Indirects/Overheads (including benefits)	$170	$0	$0	$170
Capitalized interest or AFUDC, if any	$6	$0	$0	$6
Total Indirect Costs	**$177**	**$0**	**$0**	**$177**
Total Capital Costs	**$405**	**$0**	**$0**	**$405**
Less Total Customer Contribution	**($17)**	**$0**	**$0**	**($17)**
Total Capital Project Costs	**$388**	**$0**	**$0**	**$388**
Total O&M Project Costs	**$15**	**$0**	**$0**	**$15**

Total Project Cost	**$ 403**	**$ -**	**$ -**	**$ 403**

Technical Justification:

Project Need Statement

A new customer on [redacted] has requested [redacted]

Project Objectives

[redacted]

Project Scope

- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]

Major Material:

- 18 poles
- 9,750' of 1/0 TW

Background / Justification

N/A

Business Process and / or Technical Improvements:

N/a

Alternatives Considered with Cost Estimates

Option 1, $313K, Extend three phase to the customer with 1/0 TW and install single phase steps on three laterals.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Initial Funding Authorization	June 2021
Detailed Design	July 2021
Full Funding Authorization	September 2021
Construction Begin	September 2021
Construction End	December 2021

Regulatory Approvals

None

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2021	Low	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Internal construction resources not available to perform the work.	2021	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost if necessary.
Internal engineering resources not available to perform the work.	2021	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost if necessary.
Materials shortage or long lead times	2021	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2021	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2021	Medium	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.
Technological risks involving integration of new technology	2021	Low	Before use of new technology ensure support of standards and manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.

References

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

CD01761 design.pdf

Google-OMS view.pdf

Cost Estimate Backup Details

CD01761_project_needs_statement.pdf