EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Date Prepared: 03/03/2020	**Project Title: New Service [redacted]**
Company/ies: Eversource CT	**Project ID Number: CD01509**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: New Service**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: Line Extension**
Estimated in service date: 2020	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted?	**Capital Investment Part of Original Operating Plan? N**
Authorization Type: Full Funding	**O&M Expenses Part of the Original Operating Plan? N**
Total Request: $530k	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

An existing commercial customer, [redacted] is expanding their processing facility by adding 15,000 square feet to serve as a new warehouse. [redacted]

Customer paid contributions under new service WR#3270086 & WO#1B923779 which included installing [redacted]. The ISD of this new temporary service is largely impacted on the customer's civil work completion which must be designed to account for the nearby wetlands.

[redacted]

Project Costs Summary

	Prior Authorized	2020	2021	20__+	Totals
Capital Additions - Direct	$0	$319,348	$0	$0	$319,348
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$13,369	$0	$0	$13,369
Total - Direct Spending	$0	$332,717	$0	$0	$332,717
Capital Additions - Indirect	$0	$180,762	$0	$0	$180,762
Subtotal Request	$0	$513,479	$0	$0	$513,479
AFUDC	$0	$8,241	$0	$0	$8,241
Total Capital Request	$0	$521,720	$0	$0	$521,720
O&M	$0	$7,786	$0	$0	$7,786
Total Request	$0	$529,506	$0	$0	$529,506

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$7,621	$0	$0	$7,621
Overtime Labor	$5,167	$0	$0	$5,167
Outside Services	$292,067	$0	$0	$292,067
Materials	$28,141	$0	$0	$28,141
Other, including contingency amounts (describe)	($279)	$0	$0	($279)
Total Direct Costs	**$332,717**	**$0**	**$0**	**$332,717**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$180,762	$0	$0	$180,762
Capitalized interest or AFUDC, if any	$8,118	$0	$0	$8,118
Total Indirect Costs	**$188,880**	**$0**	**$0**	**$188,880**
Total Capital Costs	**$521,597**	**$0**	**$0**	**$521,597**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$521,597**	**$0**	**$0**	**$521,597**
Total O&M Project Costs	**$7,909**	**$0**	**$0**	**$7,909**
Total Project Cost	**$ 529,506**	**$ -**	**$ -**	**$ 529,506**

Note: Explain unique payment provisions, if applicable

Technical Justification:

Project Need Statement

The Project at [redacted] is for a new industrial processing plant in [redacted]. The customer requested [redacted] to provide electric power to its new processing facility. [redacted]

Project Objectives

This project will provide electric service to a new processing plant located at [redacted]

Project Scope
N/A

Major Material:

- 16 new CL&P Poles
- 240' of conduit
- 2500' of 336 175mil TW wire
- 240' of 4/0 AL wire

Background / Justification

A customer is requesting a new service for a processing plant in [redacted]. There will be two mills with total of 15,000 sq. ft. Based on the load sheet, it is estimated that the demand will be approximately [redacted]

Business Process and / or Technical Improvements:

[redacted]

Distribution Revenue

	Mill 1 1829 kW	Mill 2 1837kW
Customer service charge	1100.00	1100.00
Distribution demand charge	9785.00	9828.00
Electric System Imp charge	603.57	606.21
Total per month	11,488.57	11,534.21
12 months	137,862.84	138,410.52
NB-12 multiplier 6.7 years	**$923,681.02**	**$927,350.48**

Total revenue for both services **$1,851,031.50**

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Approval	02/20/2020
Detailed Design	04/2020
Settings Requested	04/2020
Construction Start Date	05/2020
Construction End Date	08/2020

Regulatory Approvals

N/A

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	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	Medium	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2020	High	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	Medium	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
Elbow limitations and design criteria **DSEM 07.635**

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

Maps

CD01509 Map.pdf

Aerial View [redacted].pdf

Aerial View [redacted].pdf

Load Sheet

CD01509 Load Sheet_Existing.pdf

CD01509 Load sheet before CD010

CD01509 Load_Sheet After CD

CD01509 Load Sheet Final .pdf

Field Pictures

Pictures.pdf

Need Statement

CD01509_project_needs_statement.pdf

Tree Estimate

Stanley Tree Estimate.pdf

WR#3270086

WR_3270086.pdf