Operations Project Authorization Form

Date Prepared: 03/19/19	**Project Title: New Svc [redacted]. Danielson**
Company/ies: Eversource CT	**Project ID Number: CD01295**
Organization: Distribution Design	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager: [redacted]	**Project Type: Specific Projects – New Service**
Project Sponsor: [redacted]	**Project Purpose: New Service**
Estimated in service date: 08/01/2019	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted?	**Capital Investment Part of Original Operating Plan?**
Authorization Type: ENG	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $305,710	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

[redacted]

Total Cost = $305,710

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	2019	20__	20__+	Totals
Capital Additions - Direct	$0	$142	$0	$0	$142
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$10	$0	$0	$10
Total - Direct Spending	$0	$152	$0	$0	$152
Capital Additions - Indirect	$0	$172	$0	$0	$172
Subtotal Request	$0	$325	$0	$0	$325
AFUDC	$0	$7	$0	$0	$7
Total Capital Request	$0	$331	$0	$0	$331
O&M	$0	$12	$0	$0	$12
Total Request	$0	$343	$0	$0	$343

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$45	$0	$0	$45
Overtime Labor	$6	$0	$0	$6
Outside Services	$81	$0	$0	$81
Materials	$75	$0	$0	$75
Other, including contingency amounts (describe)	($54)	$0	$0	($54)
Total Direct Costs	**$152**	**$0**	**$0**	**$152**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$172	$0	$0	$172
Capitalized interest or AFUDC, if any	$6	$0	$0	$6
Total Indirect Costs	**$179**	**$0**	**$0**	**$179**
Total Capital Costs	**$331**	**$0**	**$0**	**$331**
Less Total Customer Contribution	**$37**	**$0**	**$0**	**$37**
Total Capital Project Costs	**$294**	**$0**	**$0**	**$294**
Total O&M Project Costs	**$12**	**$0**	**$0**	**$12**

Note: Explain unique payment provisions, if applicable

Project Need Statement

[redacted]

Project Objectives

[redacted]

Project Scope

[redacted]

Background / Justification

New Business/ New service

[redacted]

Business Process and / or Technical Improvements:

New business policy to serve customers future load.

Reconductoring and converting over 3,600 feet of 4.8kV bare wire.

Alternatives Considered with Cost Estimates

[redacted]

Coming from the east is also not an option because Interstate 395 borders downtown Danielson.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
CPAC ENG Approval	03/2019
Project Rollout for PM and CE	04/2019
ACT Approval	04/2019
Construction Start	05/2019
Project Completion	07/2019

Regulatory Approvals

None

Risks and Risk Mitigation Plans

None

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

No 1,500kVA 4.8kV 480 volt padmount available:

DESCRIPTION	MFG OR SUPPLIER	CATALOG NUMBER	STANDARD PACKAGE UNIT	STOCK CODE	ILLUSTRATION
TRANSFORMER, PAD-MOUNTED TYPE, three phase, dual voltage, six bushing wells, loop feed, dead front, as per **SPC T-781** (CONTINUED)					D
4800 x 22860GrdY/13200 - 480Y/277					
Taps: 24100/23500/22300/21700					
750 kVA	MSL100	By desc	1EA	535352	
1000 kVA	MSL100	By desc	1EA	535353	
8320GrdY/4800 x 13800GrdY/7970 - 208Y/120					
Taps: None					
75 kVA	MSL080	By desc	1EA	535334	
150 kVA	MSL080	By desc	1EA	535335	
300 kVA	MSL080	By desc	1EA	535336	
500 kVA	MSL080	By desc	1EA	535337	
8320GrdY/4800 x 13800GrdY/7970 - 208Y/120					
Taps: 14400/14100/13500/13200					
750 kVA	MSL100	By desc	1EA	535338	
1000 kVA	MSL100	By desc	1EA	535339	
8320GrdY/4800 x 13800GrdY/7970 - 480Y/277					
Taps: None					
75 kVA	MSL080	By desc	1EA	535344	
150 kVA	MSL080	By desc	1EA	535345	

CD01295_project_needs_statement.pdf

Detail Map New Svc.pdf

[redacted]_preliminary site plan.pdf

NEW LOAD FORM [redacted].xlsx

Pictures:

3_167kVA Enclosure 2.jpg

[redacted] junction.

[redacted] junction.jpg

P_3298 480V [redacted] SVC.jpg

Pole_187 Junction w_[redacted].jpg

[redacted] 2.jpg

Cost Estimate Backup Details

Budget Summary - Preferred Option — 23kV Extension for New Service

2019

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	New 1500kVA service CT Rubber Molding Co	Prelim	0	20%	$37,327	$0
2	[redacted]23kV Extension/Conversion Cottage S	Prelim	0	20%	$305,710	$305,710
				2019 Total:	**$343,037**	**$305,710**
				Total Project:	**$343,037**	**$305,710**