EVERSOURCE

Supplement Authorization Form

Project Title: [redacted]	**Project Number:CD01222**
Date Prepared: 04/27/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** SMART SWITCHES PROGRAM
Initiating Organization: Distribution	**Project Type:** Specific
Project DDE: [redacted]	**Capital Investment part of 5-year plan?** Yes
Project Manager: [redacted]	**Emergency Related Request?** No
Project Sponsor: [redacted]	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Current Authorized Amount: $163K	**Approved In-Service Date:** 12/31/2019
Supplement Request: $ 72K	**Estimated In-Service Date:12/31/2019**
Total Capital Request ($):235K	**Authorization Type:** Supplement Request
	Reason : Cost Overage

1. Project Background

Supplemental funding is being requested for this project. The total capital request is $235K which is $72K more than the current authorized amount of $235K

In the 2018 Smart Switch Ranking Program spreadsheet, the [redacted] zone was ranked #18. This zone has [redacted]. The objective of the Smart Switch initiative is to identify large backbone zones over 500 customers and reduce the customer zone size to under 500 customers per zone.

[redacted]

2. Supplement Justification Overview

The project variance of $72K was attributed to increased cost to [redacted] and increased labor.

3. Supplement Justification Detail

The [redacted] cost more than anticipated due to the installation of new bypass switches for the recloser and the need for additional labor at this location. In addition, the decision to shift this work to contractors resulted in an overall labor cost increase.

4. Supplement Cost Summary (Project Total)

Line-item Category	To Date Spend Year(s)	Prior Authorized Year(s)	Variance (Supplemental Request) Year(s)	New Total Request (Add Prior Authorized and Variance) Year(s)
Internal Labor and Construction Equipment	5.2	17.9	-13.0	5.0
Outside Services	36.7	12.2	22.6	34.8
Materials	103.0	64.6	33.1	97.6
Removals	0.0	0.0	7.5	7.5
Risk and Contingency	4.6	0.0	4.6	4.6
Other	0.0	0.4	-0.4	0.0
SUBTOTAL DIRECTS W/ RISKS	**149.6**	**95.1**	**54.4**	**149.6**
Indirect / Overhead (including benefits)	83.0	59.6	23.4	83.0
AFUDC	2.4	1.8	0.6	2.4
Subtotal – Indirect Costs	**85.4**	**61.4**	**24.1**	**85.4**
TOTAL CAPITAL REQUEST	**235.0**	**156.5**	**78.5**	**235.0**
Reimbursables/Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
PROJECT TOTAL (LESS REIMBURSABLES)	**235.0**	**156.5**	**78.5**	**235.0**

New Total Request by Year (if applicable)

Note: If multi-year project, include actuals for current and years past, and then show forecasted spend for upcoming years.

Line item Category	Year 2019	Total
Internal Labor and Construction Equipment	4.9	5.0
Outside Services	34.7	34.8
Materials	97.2	97.6
Removals	7.5	7.5
Risk and Contingency	4.6	4.6
Other	0.0	0.0
SUBTOTAL DIRECTS W/ RISKS	**148.9**	**149.6**
Indirect / Overhead (including benefits)	81.9	83.0
AFUDC	2.4	2.4
Subtotal – Indirect Costs	**84.3**	**85.4**
TOTAL CAPITAL REQUEST	**233.2**	**235**
Reimbursables/Customer Contribution	0	0
PROJECT TOTAL (LESS REIMBURSABLES)	**233.2**	**235**

5. Lessons Learned

N/A

Preliminary Engineering PAF

Operations Project Authorization Form

Date Prepared: 11/15/2018	**Project Title:** [redacted]
Company/ies: Eversource CT	**Project ID Number: CD01222**
Organization: Electric	**Class(es) of Plant: Overhead**
Project Initiator: [redacted]	**Project Category: Smart Switch Program**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: System Resiliency**
Estimated in service date: 12/31/2019	**If Transmission Project: PTF?**
Eng. /Constr. Resources Budgeted? N	**Capital Investment Part of Original Operating Plan? N**
Authorization Type: ENG	**O&M Expenses Part of the Original Operating Plan? N**
Total Request: $162.8K	

Financial Requirements:

Project Authorization
ERM: _____

FP&A: _____

Executive Summary

In the 2018 Smart Switch Ranking Program spreadsheet, the [redacted] zone was ranked #18. [redacted]. The objective of the Smart Switch initiative is to identify large backbone zones over 500 customers and reduce the customer zone size to under 500 customers per zone.

[redacted]

Project Costs Summary

Financial Evaluation

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$14,098	$0	$0	$14,098
Overtime Labor	$3,830	$0	$0	$3,830
Outside Services	$12,241	$0	$0	$12,241
Materials	$64,578	$0	$0	$64,578
Other, including contingency amounts (describe)	$377	$0	$0	$377
Total Direct Costs	**$95,124**	**$0**	**$0**	**$95,124**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$59,591	$0	$0	$59,591
Capitalized interest or AFUDC, if any	$1,785	$0	$0	$1,785
Total Indirect Costs	**$61,375**	**$0**	**$0**	**$61,375**
Total Capital Costs	**$156,500**	**$0**	**$0**	**$156,500**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$156,500**	**$0**	**$0**	**$156,500**
Total O&M Project Costs	**$6,262**	**$0**	**$0**	**$6,262**

Total Project Cost	**$ 162,762**	**$ -**	**$ -**	**$ 162,762**

	Prior Authorized	20__	20__	20__+	Totals
Capital Additions - Direct	$0	$92,923	$0	$0	$92,923
Less Customer Contribution	$0	$0	$0	$0	$0

Removals net of Salvage ____%	$0	$2,201	$0	$0	$2,201
Total - Direct Spending	$0	$95,124	$0	$0	$95,124
Capital Additions - Indirect	$0	$59,591	$0	$0	$59,591
Subtotal Request	$0	$154,715	$0	$0	$154,715
AFUDC	$0	$1,856	$0	$0	$1,856
Total Capital Request	$0	$156,571	$0	$0	$156,571
O&M	$0	$6,191	$0	$0	$6,191
Total Request	$0	$162,762	$0	$0	$162,762

Technical Justification:

Project Need Statement

In the 2018 Smart Switch Ranking Program spreadsheet, the [redacted] zone was ranked #18. [redacted]. The objective of the Smart Switch initiative is to identify large backbone zones over 500 customers and reduce the customer zone size to under 500 customers per zone.

[redacted]

Project Objectives

The objective of this project is to reduce the size of the [redacted] zone to lessen the number of customers at risk as this circuit was ranked #18 in the 2018 Smart Switch Ranking Program Spreadsheet.

Project Scope

This project involves reprogramming the [redacted] currently at [redacted] on [redacted] Also we will install a new [redacted].

[redacted]

Background / Justification

The Smart Switch Program is a continuation of an initiative that was approved as part of the System Resiliency PURA Docket 12-07-06RE01 which is a multiyear program to improve circuit reliability by adding automatic sectionalizing devices on overhead distribution circuits. The Smart Switch Program focuses on breaking up customer zones and lowering the average number of customers impacted by a backbone interruption.

This zone was ranked #18 in the 2018 spreadsheet and has [redacted]

Tieing the [redacted]

[redacted]

Business Process and / or Technical Improvements:

This project will break down the [redacted]

Alternatives Considered with Cost Estimates

Alternative 1 (1222 – 01) - $72.4K: [redacted]

Alternative 2: Do nothing – Can result in the loss of 1038 customers in an unprecedented outage event

Project Schedule

Milestone/Phase Name	Estimated Completion Date
ENG Approval	11/18/18
ACT Approval	12/31/18
Construction Start	04/01/19
Construction Completion	12/31/19

Regulatory Approvals

N/A

Risks and Risk Mitigation Plans

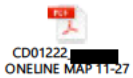
Risk Event	Risk Horizon	Likelihood of Occurrence	Expected Value Cost Exposure ($M)	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2019	LOW	LOW	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Storm delays	2019	LOW	LOW	If storm activity delays work, we may be forced to use external resources.

References

CD01024 – Segment 11 for [redacted] zone

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

Oneline Map:



Needs Statement:



CD01222_project_needs_statement.pdf

Load Projections Present:


CD01222_LOAD PRESENT 11-27.pdf

Load Projections Option 1:


CD01222_LOAD OP1 11-27.pdf

Load Projections Option 2:


CD01222_LOAD OP2 11-27.pdf