EVERSOURCE

Supplement Authorization Form

pProject Title: 2018 Smart Switch Program	Project Number: CD00923
Date Prepared: 04/10/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** DB CABLE REPLACE-SPECIFIC PROJ
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: $563K	**Approved In-Service Date:** 09/01/19
Supplement Request: $272.1K	**Estimated In-Service Date: 12/31/20**
Total Capital Request: $835.1K	**Authorization Type:** Supplement Request
	Reason: Cost Overage

1. Project Background

Project CD00923 was designed to reduce customer zones down to approximately 500 customers per zone with the use of smart switches. In addition, it creates [redacted]

This supplemental authorization addresses out of scope activities resulting from the replacement of a hydraulic recloser (13B21-63R) that could not be reprogrammed in the field due to an obsolete controller. In addition, the scope was expanded to include additional reconductoring because field crews found aging and frayed #4 Cu bare wire that were determined to be near the end of their useful life but were not identified during the constructability review. The scope adjustment includes additional internal labor and outside services, such as tree trimming, traffic control, and rock drilling, to support the execution of these changes.

Therefore, the supplemental request for this project is $272.1 and includes additional out-of-scope work for a total capital request of $835.1K. All WOs are closed.

2. Supplement Justification Overview

The following are reasons for the budget being over the authorized amount:

a. Additional [redacted]
b. Aging conductors that were determined near the end of service life.
c. Increase in internal labor, materials and outside resources

3. Supplement Cost Summary (Project Total)

Capital Costs	To Date Spend	Prior Authorized	Supplemental Request	Total Request
Internal Labor and Construction Equipment	20.3	187.3	-168.0	19.3
Outside Services	288.2	21.4	251.8	273.2
Materials	166.3	45.5	112.2	157.7
Removals	0.0	33.5	-8.8	24.7
Risk and Contingency	16.4	13.4	3.0	16.4
Other	1.8	0.0	1.7	1.7
Subtotal	**493.0**	**301.1**	**191.9**	**493.0**

Indirect Capital Costs	To Date Spend	Prior Authorized	Supplemental Request	Total Request
Indirects/Overheads (including benefits)	325.7	260.2	65.5	325.7
Capitalized interest or AFUDC, if any	16.4	1.7	14.7	16.4
Subtotal	**342.1**	**261.9**	**80.2**	**342.1**

Total Capital Costs (Gross)	**835.1**	**563.0**	**272.1**	**835.1**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net of Reimbursement)	**835.1**	**563.0**	**272.1**	**835.1**

4. 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.

Capital Costs	2018	2019	TOTAL
Internal Labor & Equipment	5.7	13.6	19.3
Outside Services	80.9	192.4	273.2
Materials	46.7	111.0	157.7
Removals	7.1	17.7	24.7
Risk and Contingency	0.0	16.4	16.4
Other	0.5	1.2	1.7
SUBTOTAL Direct Cost	**140.8**	**352.2**	**493.0**
Indirects / Overheads	108.9	216.8	325.7
AFUDC	5.7	10.7	16.4
SUBTOTAL Indirect Cost	**114.6**	**227.5**	**342.1**
TOTAL Capital Request	**255.4**	**579.7**	**835.1**
Less Total Customer Contribution	0.0	0.0	**0.0**
TOTAL Project Cost	**255.4**	**579.7**	**835.1**

5. Lessons Learned

Operations Project Authorization Form

Date Prepared: 02/06/2018	**Project Title: 2018 Smart Switch Program** [redacted]
Company/ies: CT	**Project ID Number: CD00923**
Organization: Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Reliability**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: Smart Switch Program**
Estimated in service date: 12/31/2018	**If Transmission Project: PTF? NA**
Eng. /Constr. Resources Budgeted? No	**Capital Investment Part of Original Operating Plan?**
Authorization Type: Initial Funding	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $563K	

Executive Summary

This project was identified as part of the 2018 Smart Switch Program due to [redacted]

Technical Justification:

Project Need Statement

[redacted] This Circuit has been ranked 26 in the program and needs to be a specific project because of its high cost of $562,729.

Project Objectives

[redacted]

Project Scope

[redacted]

Background / Justification

[redacted] made the 2018 Smart Switch Program with a rank of 26.

Business Process and / or Technical Improvements:

This project will aid the company in its goal to reduce customer zones down to 500 customers with the use of reclosers. [redacted]

Alternatives Considered with Cost Estimates

[redacted]

Project Schedule

Milestone/Phase Name	Estimated Completion Date
ENG Approval	02/08/18
TRC Approval	02/28/18
Detail Design	04/30/18
Resource Allocation	06/01/18
Complete Construction	12/31/18

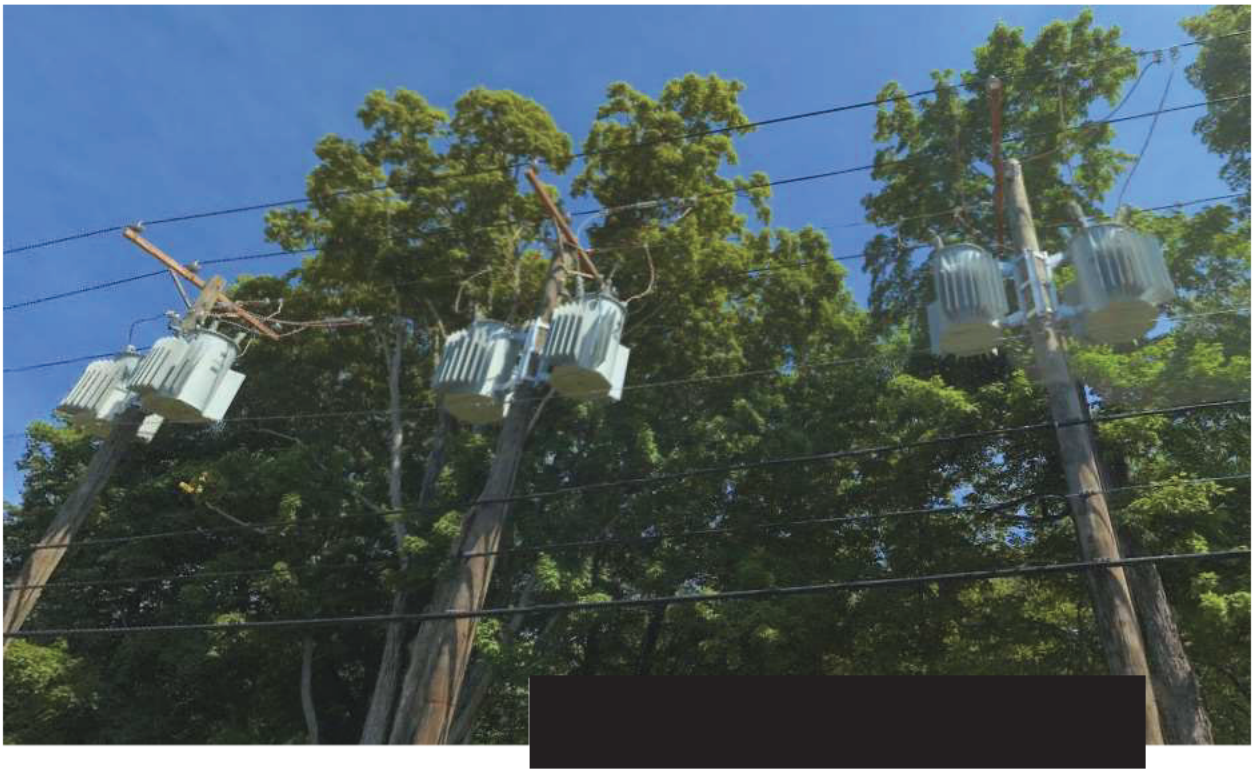
Regulatory Approvals
None

Risks and Risk Mitigation Plans

This project contains minimal exposure and risk during construction. All major reconductoring work will be done on low traffic backroads and step downs will be placed to not affect customers view or aesthetics to the neighborhood.

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2018	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	2018	Medium	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2018	Medium	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.	2018	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays	2018	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2018	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if systm will be abnormal for extended periods

References



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

CD00923 Oneline.pdf

CD00923_project_needs_statement.pdf

NEW LOAD FORM .pdf

Cost Estimate Backup Details

Budget Summary - Preferred Option — New 3-phase loop with

2018

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	New e Lake St	Prelim	0	24 %	$562,729	$562,729
				2018 Total:	**$562,729**	**$562,729**
				Total Project:	**$562,729**	**$562,729**