EVERSOURCE

Supplement Authorization Form

Project Title: Eliminate [redacted]	**Project Number: CD00584**
Date Prepared: 04/22/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** ISLANDED SUBSTATION 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: $3,099K	**Approved In-Service Date:** 12/31/2019
Supplement Request: $585K	**Estimated In-Service Date:** 7/1/2020
Total Capital Request: $3,684K	**Authorization Type: Supplement Request**
	Reason: Cost Overage

1. Project Background

Project CD00584 was created to eliminate the [redacted]

This project addressed reliability and other concerns that impacted approximately 1000 customers.

2. Supplement Justification Overview

The requested amount of $431K is 19.9% above the authorized direct cost of $2,168K.

3. Supplement Justification Detail

The $431K additional direct spend was mainly due to additional outside service costs. The project location was in a Commercial area that required multiple set up and break down locations which

added time and cost to the project. Additionally, Eversource replaced poles owned by Frontier which added more labor and material costs to the project.

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	28.7	100.8	-76.7	24.1
Outside Services	1,991.5	1,665.4	9.7	1,675.2
Materials	503.2	402.0	21.3	423.3
Removals	0.0	0.0	401.5	401.5
Risk and Contingency	72.2	0.0	72.2	72.2
Other	3.9	0.0	3.3	3.3
SUBTOTAL DIRECTS W/ RISKS	**2,599.6**	**2,168.3**	**431.3**	**2,599.6**
Indirect / Overhead (including benefits)	1,034.7	915.1	119.6	1,034.7
AFUDC	49.3	15.1	34.2	49.3
Subtotal – Indirect Costs	**1,083.9**	**930.2**	**153.7**	**1,083.9**
TOTAL CAPITAL REQUEST	**3,683.6**	**3,098.5**	**585.1**	**3,683.6**
Reimbursables/Customer Contribution	$	$	$	$
PROJECT TOTAL (LESS REIMBURSABLES)	**3,683.6**	**3,098.5**	**585.1**	**3,683.6**

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	2016	2017	2018	2019	2020	2021	2022	Total
Internal Labor and Construction Equipment	1.0	0.1	0.0	17.6	5.6	0.0	-0.1	24.1
Outside Services	68.7	8.9	-0.1	1,217.8	390.2	-2.8	-7.5	1,675.2
Materials	17.3	2.2	0.0	307.7	98.6	-0.7	-1.9	423.3
Removals	15.9	2.1	0.0	282.3	90.4	-0.7	11.4	401.5
Risk and Contingency	0.0	0.0	0.0	0.0	0.0	0.0	72.2	72.2
Other	0.1	0.0	0.0	2.4	0.8	0.0	0.0	3.3
SUBTOTAL DIRECTS W/ RISKS	**103.0**	**13.4**	**-0.1**	**1,827.8**	**585.6**	**-4.2**	**74.1**	**2,599.6**
Indirect / Overhead (including benefits)	51.4	3.6	-0.1	714.2	291.2	-13.3	-12.4	1,034.7
AFUDC	1.5	1.4	2.5	27.6	16.3	0.0	0.0	49.3
Subtotal – Indirect Costs	**52.9**	**4.9**	**2.4**	**741.9**	**307.6**	**-13.3**	**-12.4**	**1,083.9**
TOTAL CAPITAL REQUEST	**156.0**	**18.3**	**2.3**	**2,569.6**	**893.2**	**-17.5**	**61.7**	**3,683.6**
Reimbursables/Customer Contribution	0	0	0	0	0	0	0	0
PROJECT TOTAL (LESS REIMBURSABLES)	**156.0**	**18.3**	**2.3**	**2,569.6**	**893.2**	**-17.5**	**61.7**	**3,683.6**

5. Lessons Learned

N/A

Operations Project Authorization Form

Date Prepared: August 23, 2018	**Project Title:** Eliminate [redacted]
Company/ies: CT	**Project ID Number:** CD00584
Organization: Distribution Engineering	**Class(es) of Plant:** Distribution
Project Initiator: [redacted]	**Project Category:** Line
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Project Purpose:** Eliminate Islanded Substation #42
Estimated in service date: 12/31/19	**If Transmission Project:** PTF? NA
Eng. /Constr. Resources Budgeted? Yes	**Capital Investment Part of Original Operating Plan?** Yes
Authorization Type: Full Funding (ACT)	**O&M Expenses Part of the Original Operating Plan?** Yes
Total Request: $3,256,900	

Financial Requirements:

Project Authorization
ERM: _____

FP&A: _____

Executive Summary

Project CD00584 is needed to [redacted]

[redacted]

Al[redacted]

The Detail Design has been completed and we are requesting Full Funding authorization of $3,257K, an increase of $552K or 20% of the Initial Funding (ENG) approved amount of $2,705K.

- Additional contractor charges and adders: $456K
- Coleman Drilling Company will bore all holes for new and replacement poles. [redacted]: $71K
- The OH Contractor awarded this project will set all Eversource and Frontier poles. 25 Frontier poles [redacted] per pole: $25K

Project Costs Summary

	Prior Authorized*	Additional Request	2019	2020+	Total**
Capital Additions Direct	$ -	$ -	$ 1,824,463	$ -	$ 1,824,463
Less Customer Contribution	$ -	$ -	$ -	$ -	$ -
Removals Net of Salvage	$ -	$ -	$ 343,840	$ -	$ 343,840
Total - Direct Spending	$ -	$ -	$ 2,168,303	$ -	$ 2,168,303
Capital Additions - Indirect	$ -	$ -	$ 915,100	$ -	$ 915,100
AFUDC	$ -	$ -	$ 15,114	$ -	$ 15,114
Total Capital Request	$ 2,535,070	$ 563,447	$ 3,098,517	$ -	$ 3,098,517
O&M	$ 170,340	$ (11,957)	$ 158,383	$ -	$ 158,383
Total Request	**$ 2,705,410**	**$ 551,490**	**$ 3,256,900**	**$ -**	**$ 3,256,900**

Financial Evaluation

Direct Capital Costs	2019	2020	2021	Total
Straight Time Labor	$ 100,843	$ -	$ -	$ 100,843
Overtime Labor	$ -	$ -	$ -	
Outside Services	$ 1,665,449	$ -	$ -	$ 1,665,449
Materials	$ 402,011	$ -	$ -	$ 402,011
Other, including contingency amounts	$ -	$ -	$ -	$ -
Total	$ 2,168,303	$ -	$ -	$ 2,168,303

Indirect Capital Costs	2018	2019	2020	Total
Indirects/Overheads (including benefits)	$ 915,100	$ -	$ -	$ 915,100
Capitalized interest or AFUDC, if any	$ 15,114	$ -	$ -	$ 15,114
Total	$ 930,214	$ -	$ -	$ 930,214

Total Capital Costs	$ 3,098,517	$ -	$ -	$ 3,098,517
Less Total Customer Contribution	$ -	$ -	$ -	$ -
Total Capital Project Costs	$ 3,098,517	$ -	$ -	$ 3,098,517
Total O&M Project Costs	$ 158,383	$ -	$ -	$ 158,383
Total Project Cost	**$ 3,256,900**	**$ -**	**$ -**	**$ 3,256,900**

Technical Justification:

Project Need Statement

[redacted]

This substation is composed of 1950's vintage equipment, thereby making it difficult to repair and very costly to replace.

[redacted]

[redacted]

Project Objectives

Offload approximately [redacted]

Project Scope / Description

[redacted]

Background / Justification

This project eliminates bare-over bare construction. Elimination of bare over bare primary conductor on circuits of different voltage. Elimination of high over low voltage conditions will minimize the risk of failures that can cause unsafe conditions within customer's homes and facilities. [redacted] This initiative complies with a commitment made in DPUC Docket No. 02-09-09.

[redacted]

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[redacted]

[redacted]

CD00584 will [redacted]

Business Process and / or Technical Improvements:

Upon completion, this project enhances the reliabity of our service and paves the way for [redacted]

Alternatives Considered with Cost Estimates

- Do No Work: $ 0
  [redacted].
- Partial Conversion $ 1.2M
  [redacted]

[redacted]

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Initial Funding Authorization	December 2017
Detail Design	April 2018
Full Funding Authorization	August 2018
Begin Construction	March 2019
Complete Construction	December 2019

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.	2019	Low	Limited opportunity for a change in scope. All project work orders have been reviewed and no preconstruction complications are anticipated.
Internal construction resources not available to perform the work.	2019	High	External resources will be used to rebuild, remove and cutover overhead distribution lines to a higher voltage. Therefore, our competitive bid process may result in an increased project cost.
Internal engineering resources not available to perform the work.	2019	Low	In addition to engineering / supervision, internal resources will be used to provide switching instructions and ensure equipment settings and coordination.

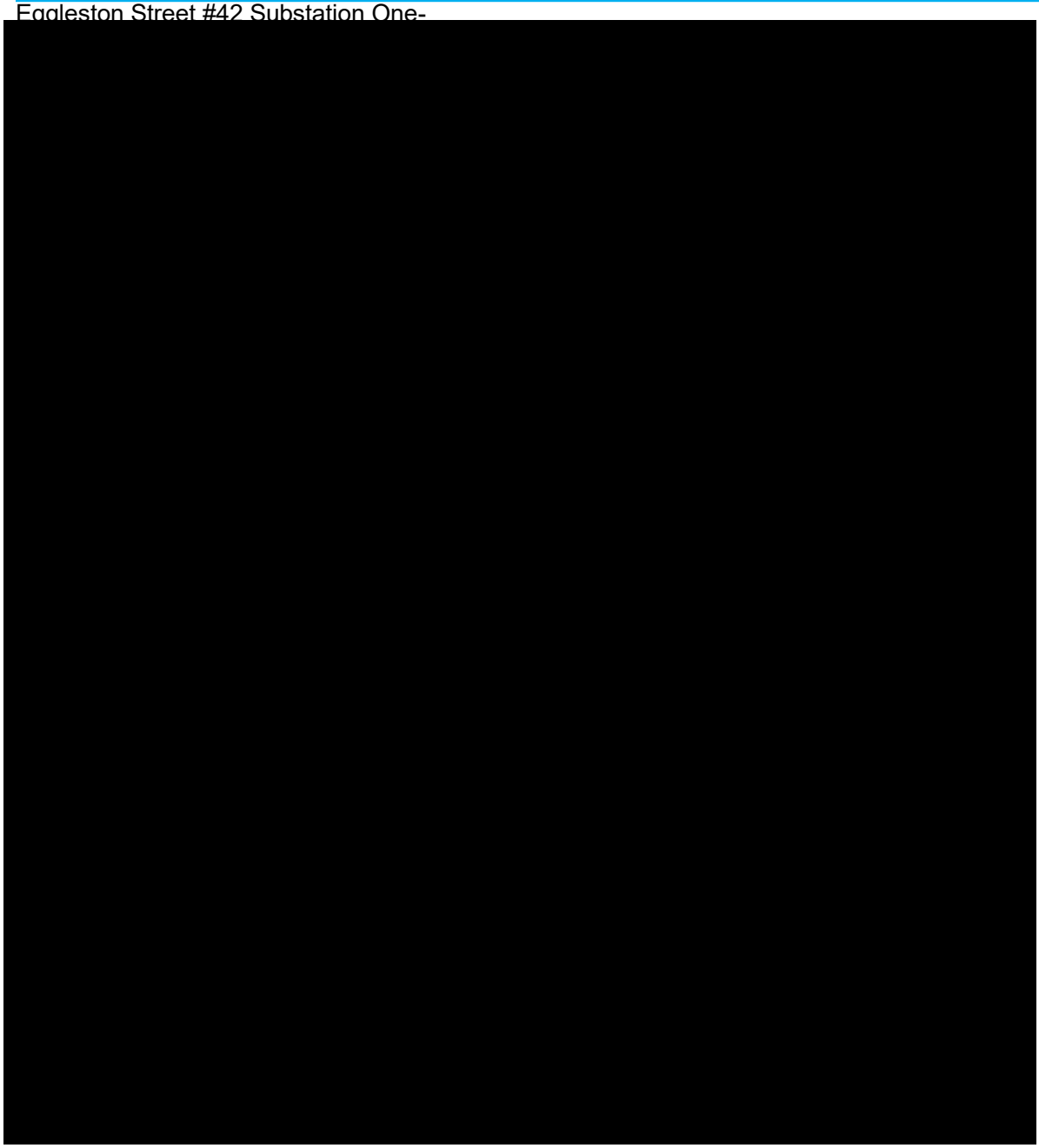
Materials Shortage or long lead times	2019	Low	Pre-ordered long lead time material; minimize use of non-standard and non-stocked material.
Storm delays	2019	Medium	External resources may be pulled off this project to perform large storm related activity.
System abnormal configuration	2019	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.

References

None

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

Eggleston Street #42 Substation One-



Before One-Line:



After One-Line:

