EVERSOURCE

Supplement Authorization Form

Project Title: [redacted] **New Feeder** [redacted]	**Project Number:CD00991**
Date Prepared: 04/27/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** SPECIFIC PROJECTS-NEW SRVCE
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: $533K	**Approved In-Service Date:** 12/31/2018
Supplement Request: $ 476.5K	**Estimated In-Service Date:12/31/2018**
Total Capital Request ($):1,009.4K	**Authorization Type:** Supplement Request
	Reason: : Cost Overage

1. Project Background

Supplemental funding is being requested for this project. The total capital request is $1,009.4K which is $476.5K more than the current authorized amount of $533K.

[redacted]

2. Supplement Justification Overview

The project variance of $476.5K was attributed to overtime, additional switching due to difficult field conditions and increased labor by internal and outside service crews.

3. Supplement Justification Detail

Work in urban areas had to be performed during off-hours and required additional traffic control. Furthermore, to reconfigure the loop schemes and complete additional substation work, extra switching was necessary. Due to field conditions and the difficulty of utilizing the spare [redacted] on the transmission towers, additional man-hours were required to complete the job.

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	102.4	66.9	28.2	95.1
Outside Services	113.9	13.9	91.8	105.7
Materials	288.3	253.1	14.6	267.6
Removals	0.0	0.0	36.7	36.7
Risk and Contingency	19.8	0.0	19.8	19.8
Other	8.2	0.0	7.6	7.6
SUBTOTAL DIRECTS W/ RISKS	**532.6**	**333.8**	**198.8**	**532.6**
Indirect / Overhead (including benefits)	447.3	196.7	250.6	447.3
AFUDC	29.5	2.3	27.2	29.5
Subtotal – Indirect Costs	**476.8**	**199.1**	**277.8**	**476.8**
TOTAL CAPITAL REQUEST	**1,009.4**	**532.9**	**476.5**	**1,009.4**
Reimbursables/Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
PROJECT TOTAL (LESS REIMBURSABLES)	**1,009.4**	**532.9**	**476.5**	**1,009.4**

New Total Request by Year (if applicable)

Line item Category	Year 2017	Year 2018	Year 2019	Year 2020	Year 2021	Total
Internal Labor and Construction Equipment	0.9	94.2	-0.2	0.0	0.2	95.1
Outside Services	1.0	104.7	-0.2	0.0	0.2	105.7
Materials	2.7	265.1	-0.6	0.0	0.4	267.6
Removals	0.3	34.9	-0.1	0.0	1.5	36.7
Risk and Contingency	0.0	0.0	0.0	0.0	19.8	19.8
Other	0.1	7.6	0.0	0.0	0.0	7.6
SUBTOTAL DIRECTS W/ RISKS	**5.1**	**506.5**	**-1.1**	**0.0**	**22.1**	**532.6**
Indirect / Overhead (including benefits)	7.6	445.2	-3.5	-0.6	-1.3	447.3
AFUDC	0.0	29.4	0.0	0.0	0.0	29.5
Subtotal – Indirect Costs	**7.7**	**474.6**	**-3.5**	**-0.6**	**-1.3**	**476.8**
TOTAL CAPITAL REQUEST	**12.8**	**981.1**	**-4.6**	**-0.6**	**20.8**	**1,009.4**
Reimbursables/Customer Contribution	0.0	0.0	0.0	0.0	0.0	**0.0**
PROJECT TOTAL (LESS REIMBURSABLES)	**12.8**	**981.1**	**-4.6**	**-0.6**	**20.8**	**1,009.4**

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

5. Lessons Learned

N/A

ACT Form

Operations Project Authorization Form

Date Prepared: 03/01/18	**Project Title:** [redacted]
Company/ies: Eversource CT	**Project ID Number: CD00991**
Organization: Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: New Service**
Estimated in service date: 12/31/18	**If Transmission Project: PTF? No**
Eng. /Constr. Resources Budgeted? Yes	**Capital Investment Part of Original Operating Plan?**
Authorization Type: ACT	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $542,674	

Financial Requirements:

Project Authorization
ERM: _____

FP&A: _____

Executive Summary

[redacted]

This request is for ACT approval for $542.7k which is 82% of the ENG estimate. There was a material request back in December 2017 for $157.4k to order the reclosers. The total combine prior authorized request was $223.5k (includes 10% original request). The reason for the variance is due to the contingency being 44% but most of the project is recloser work which

probably didn't need the urban adder contingency. If a 24% contingency was used then the variance would be 5%.

Project Costs Summary

	Prior Authorized*	Additional Request	2018**	2019+	Total
Capital Additions Direct	$ -	$ -	$ 324,580	0	$324,580
Less Customer Contribution	$ -	$ -		0	$0
Removals Net of Salvage	$ -	$ -	$ 9,247	0	$9,247
Total - Direct Spending	$ -	$ -	$ 333,827	$0	$333,827
Capital Additions - Indirect	$ -	$ -	$ 196,737	0	$196,737
AFUDC	$ -	$ -	$ 2,344	0	$2,344
Total Capital Request	$ 64,712	$ 468,196	$ 532,908	$0	$532,908
O&M	$ 1,388	$ 8,378	$ 9,766	0	$9,766
Total Request	**$ 66,100**	**$ 476,574**	**$ 542,674**	**$0**	**$542,674**

* Amount authorized in PowerPlan

** Total amount needed for authorization in PowerPlan based on ACT

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	2018	2019	2020	Total
Straight Time Labor	$ 66,865	0	0	$ 66,865
Overtime Labor		0	0	
Outside Services	$ 13,902	0	0	$ 13,902
Materials	$ 253,060	0	0	$ 253,060
Other, including contingency amounts	$ -	0	0	$ -
Total	$ 333,827	0	0	$ 333,827

Indirect Capital Costs	2018	2019	2020	Total
Indirects/Overheads (including benefits)	$ 196,737	0	0	$ 196,737
Capitalized interest or AFUDC, if any	$ 2,344	0	0	$ 2,344
Total	$ 199,081	0	0	$ 199,081

Total Capital Costs	$ 532,908	0	0	$ 532,908
Less Total Customer Contribution	$ -	0	0	$ -
Total Capital Project Costs	$ 532,908	0	0	$ 532,908
Total O&M Project Costs	$ 9,766	0	0	$ 9,766
Total Project Cost	$ 542,674	0	0	$ 542,674

Note: Explain unique payment provisions, if applicable

ENG Estimate:

Budget Summary - Preferred Option 24A19 new Frder

2018

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	[redacted]ew Frder - UG cable	Prelim	0	44 %	$147,091	$147,091
2	Xfer (5MVA) 24A10 t[redacted]	Prelim	0	44 %	$175,183	$175,183
3	Utilize 9S44 on T Tow[redacted]	Prelim	0	44 %	$61,517	$61,517
4	Xfer (2.6MVA)[redacted]	Prelim	0	44 %	$277,903	$277,903
				2018 Total:	**$661,694**	**$661,694**
				Total Project:	**$661,694**	**$661,694**

Technical Justification:

Project Need Statement

[redacted]

In addition to the [redacted]

Reliability (MBI):

TD 941 Disabled Loops:

[redacted]

Project Objectives

This project was designed to resolve all overloads and improve reliability under the following design criteria:

[redacted]

Project Scope

[redacted]

[redacted]

Background / Justification

1. Utilizes 11,000' of unused asset.

[redacted]

7. Alternative option for new feeder from 9S is $2million.

Business Process and / or Technical Improvements:

Alternatives Considered with Cost Estimates

The estimate below is PN-103585 for a new feeder from Norwalk 9S the 9S20:

Budget Summary - Preferred Option Prelim Design

2018

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	[redacted]oad Growth (2018) - UG Cbl	Prelim	0	44 %	$258,508	$258,508
2	[redacted]oad Growth (2018) - Aerial Cbl	Prelim	0	44 %	$683,025	$683,025
3	[redacted]oad Growth (2018) - Cvt 4.8kV	Prelim	0	44 %	$40,481	$40,481
4	[redacted]oad Growth (2018) - West Ave UG fa	Prelim	0	44 %	$716,764	$716,764
5	[redacted]oad Growth (2018) - Remove[redacted]	Prelim	0	44 %	$42,868	$42,868
6	[redacted]oad Growth (2018) - Remove	Prelim	0	44 %	$37,814	$37,814
7	[redacted]oad Growth (2018) - Reclosers	Prelim	0	44 %	$181,108	$181,108
8	[redacted]oad Growth (2018) - Capacitors	Prelim	0	44 %	$73,280	$73,280
				2018 Total:	**$2,033,848**	**$2,033,848**
				Total Project:	**$2,033,848**	**$2,033,848**

This project was created back in 2011 in anticipation of future overloads in the West Ave area and has been getting deferred since then. The scope and estimating units have been updated.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
TRC Approval	9/14/18
CPAC Approval	12/14/18
Construction Start	4/1/18
Complete Load Transfer 24A10 to 24A19 (Segment 1-3)	6/1/18
Complete Load Transfer 24A18 to 24A10 and smart switches (Seg 4)	12/31/18

Regulatory Approvals

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.	2018	LOW	LOW	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Internal construction resources not available to perform the work.	2018	LOW	LOW	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	LOW	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays	2018	LOW	Delay	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2018	LOW	Reliability Impacts	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods

References

PN-CD00773 - New Service Pinnacle [redacted]

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


OPTION 1 (New Feeder [redacted]) - Lea


PN-CD00991[redacted] New Frd ProjectNee


Preferred OPTION 1 (New Frder [redacted]