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Supplement Request Form

Approved on August 17, 2022 EPAC

Link to Meeting Minutes

Date Prepared: 04/20/2022	**Project Title:** [redacted]
Company: Eversource CT	**Project Number: CS00117**
Organization: Transmission Project Management	**Class(es) of Plant: D SS**
Project Initiator: [redacted]	**Project Category:** [redacted]
Project Manager:TBD	**Project Type: Specific**
Project Sponsor: [redacted]	**Capital Investment Part of Original Oper. Plan: Yes**
Project Manager's Director: [redacted]	**O&M Expenses Part of the Original Oper. Plan: No**
Current Authorized Amount: $2,569K	**Estimated in service date: 12/17/2021**
Supplement Request: $1,336K	**ISO-NE Approvals Required (check all that apply):**
Total Request: $3,905K	**☐ PAC ☐ TCA**

Background

This project was approved in Power Plan on 04/26/2017 for full funding authorization of $2,569K to complete the [redacted] was placed in service 12/17/2021. This supplement is requesting an additional $1,336K for a total of $3,905K for his completed work.

Supplement Justification Overview

The primary driver for the cost overruns for this project can be attributed to Indirect charges to the project and added scope that was not covered in the original authorization. The added scope included the [redacted] required Engineering, Construction and Test to resolve. Also, [redacted]. The [redacted] required disposal of contaminated soils, as well as asbestos piping removal and disposal. The removal of the contaminated soils required extra depth excavation which then needed flowable fill to avoid needing shoring to support the excavation. The civil

work pushed out the schedule by four (4) weeks. The additional scope items also added a few weeks and then the warranty repairs with the transformer continued past the ISD of December 2021. These delays and added scope items resulted in an overall project budget increase of $1,336K, of which the overheads and AFUDC ($743K) is more than half, for a new project total of $3,905K. A breakdown of the various cost overruns is provided below.

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Supplement Justification Detail

The reasons for the project authorization supplement of $1,336K are summarized below.

1. **Engineering / Design: $10K** – Additional engineering was required to address the detailed civil design of the [redacted] that had been originally planned.

2. **Materials (by Eversource): $87K** – Additional materials included the concrete and rebar required for the [redacted]. Also, there was an additional cost to [redacted]

3. **Construction: $339K** – The additional cost to the construction budget was due to the increased project scope to the implement [redacted]. Also, changes to the civil scope for the [redacted] to the increased cost.

    a. **Environmental: $94K** – As subset of the Construction cost, the [redacted] required disposal of contaminated concrete and soils. Additionally, asbestos pipe was removed and disposed. The removal of the contaminated soils required extra depth excavation which required flowable fill to be used to backfill the excavation to avoid needing shoring. The $94K includes the Outside Environmental Services for Testing, Analysis and Disposal Costs, but not the internal labor or rental of equipment.

4. **Testing / Commissioning: $229K (net of $71K due to budgeted in Other)** – The testing and commissioning cost was not originally broken out separately, and there was an increase due to the added scope for the [redacted] also contributed to the cost increase. (also See 7. **Other**)

5. **Project Management Team: $53K** – A line item for Project Management was not included in original request.

6. **Removals: $33K** – The removal costs were higher than the original estimate due to the increase in project scope, especially as it related to the [redacted].

7. **Other: ($158K)** – Testing was budgeted in "Other" because of the possibility that it would be done by an outside vendor. The net increase in Testing is $71K.

8. **Indirects/Overhead: $672K** – The indirect costs are higher than originally estimated due to greater direct costs and change in indirect and overhead rates that were applied at the time of the original estimate.

9. **AFUDC: $71K** – AFUDC actuals are expected to be greater than initially estimated due to the extended project duration associated with the complexities of the foundation work and extending the ISD.

Total Supplement Request: $1,336

See the original authorization documentation attached.

Supplement Cost Summary

Note: Dollar values are in thousands:

Line item Category	Prior Authorized	New Total Request	Variance (Supplemental Request)
1. ROW / Easements / Land Acquisition	$	$	$
2. Environmental Approvals / Permits	$	$	$
3. Outreach	$	$	$
4. Siting Approvals / Permits	$	$	$
5. Engineering / Design	$40	$50	$10
6. Materials (Eversource purchased)	$1,444	$1,531	$87
7. Construction (incl matl's by contractors)	$300	$639	$339
8. Testing / Commissioning	$	$229	$229
9. Project Mgmt Team	$	$53	$53
10. Removals	$55	$88	$33
11. Other	$171	$13	($158)
12. Risks	$	$	$
SUBTOTAL DIRECTS W/ RISKS	**$2,010**	**$2,603**	**$593**
13. Indirects/Overhead	$508	$1,180	$672
14. AFUDC	$51	$122	$71
PROJECT TOTAL – BASELINE BUDGET	**$2,569**	**$3,905**	**$1,336**
15. Contingency	$0	$0	$0
TOTAL CAPITAL REQUEST	**$2,569**	**$3,905**	**$1,336**
16. Reimbursables/Customer Contribution	$0	$0	$0
PROJECT TOTAL (LESS REIMBURSABLES)	**$2,569**	**$3,905**	**$1,336**

Total Supplement Request by Year

Note: Dollar values are in thousands:

Line item Category	Year 2021	Year 2022	Year 20__ +	Total
1. ROW / Easements / Land Acquisition	$	$	$	$
2. Environmental Approvals / Permits	$	$	$	$
3. Outreach	$	$	$	$
4. Siting Approvals / Permits	$	$	$	$
5. Engineering / Design	$5	$5	$	$10
6. Materials (Eversource purchased)	$128	($41)	$	$87
7. Construction (incl matl's by contractors)	$200	$139	$	$339
8. Testing / Commissioning	$190	$39	$	$229
9. Project Mgmt Team	$49	$4	$	$53
10. Removals	$20	$13	$	$33
11. Other	($159)	$1	$	($158)
12. Risks	$	$	$	$
SUBTOTAL DIRECTS W/ RISKS	**$433**	**$160**	**$**	**$593**
13. Indirects/Overhead	$525	$147	$	$672
14. AFUDC	$20	$51	$	$71
PROJECT TOTAL – BASELINE BUDGET	**$978**	**$358**	**$**	**$1,336**
15. Contingency	$0	$0	$	$0
TOTAL CAPITAL REQUEST	**$978**	**$358**	**$**	**$1,336**
16. Reimbursables/Customer Contribution	$0	$0	$	$0
PROJECT TOTAL (LESS REIMBURSABLES)	**$978**	**$358**	**$**	**$1,336**

Project Authorization Form

Date Prepared:	4/4/2017	Project Title [redacted]	
Company:	EE-CT	Project ID Number:	CS00117
Organization:	Strategy&Perform	Class(es) of Plant:	Distribution
Project Initiator:	[redacted]	Project Category:	[redacted]
Project Owner/Manager:	[redacted]	Project Type:	Specific
Project Sponsor:	[redacted]	Project Purpose: Replace the 4A-3X transformer	
Estimated in service date:	12/31/2019	If Transmission Project:	N/A
Supplement to Existing Authorization?	ENG	Capital Investment Part of Original Operating Plan?	Yes
Eng./Constr. Resources Budgeted?	Yes	O&M Expenses Part of the Original Operating Plan?	No

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

[redacted]

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized*	2017	2018	2019+	Total
Capital Additions Direct		0	38	1,891	$1,929
Less Customer Contribution		0	0	0	$0
Removals Net of Salvage		0	2	79	$80
Total - Direct Spending		$0	$40	$1,970	$2,010
Capital Additions - Indirect		0	53	455	$508
Subtotal Request		$0	$93	$2,425	$2,518
AFUDC		0	1	50	$51
Total Request		$0	$94	$2,475	$2,569

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Project Authorization Policy
Operations Project Authorization

Financial Evaluation

Direct Capital Costs	2017	2018	2019+	Total
Straight Time Labor	0	40	300	$340
Overtime Labor	0	0	0	$0
Outside Services	0	0	55	$55
Materials	0	0	1,444	$1,444
Other, including contingency amounts	0	0	171	$171
Total	$0	$40	$1,970	$2,010

Indirect Capital Costs	2017	2018	2019+	Total
Indirects/Overheads (including benefits)	0	53	455	$508
Capitalized interest or AFUDC, if any	0	1	50	$51
Total	$0	$54	$505	$559

Total Capital Costs	$0	$94	$2,475	$2,569
Less Total Customer Contribution	0	0	0	$0
Total Capital Project Costs	$0	$94	$2,475	$2,569
Total O&M Project Costs	$0	$0	$0	$0