EVERSOURCE

Operations Project Authorization Form

Approved at August 18, 2021 EPAC
Link to Meeting Minutes

Date Prepared: 08/13/2021	**Project Title: [redacted] Rebuilds**
Company: Eversource CT	**Project Number: CS00477**
Organization: Asset Management	**Class(es) of Plant: D SS**
Project Initiator: [redacted]	**Project Category: Stations - Transformers**
Project Manager: N/A	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: Rebuild damaged LTCs**
Estimated in service date: March 1, 2021	**Capital Investment part of original Oper. Plan: Yes**
Eng./Constr. Resources Budgeted? Yes	**O&M Expenses part of original Oper. Plan: No**
Authorization Type: Full Funding	**Facility Type (check all that apply):**
Total Request: $559.7K	**☐ PTF ☐ non-PTF ☒ Distribution**

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

This Project Authorization Form (PAF) is seeking full funding approval of $559.7K for the completed [redacted]. The [redacted]

Upon review of the scope of work the rebuilds have been determined to be capital work by Plant Accounting. This PAF seeks to capitalize the costs of LTC repairs performed by the vendor.

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Project Costs Summary

Note: Dollar values are in thousands

Line item Category	Prior Authorized	Actuals to Date	2021	2022	2023	2024	2025	Total
1. ROW / Easements / Land Acquisition	$	$	$	$	$	$	$	$
2. Environmental Approvals / Permits	$	$	$	$	$	$	$	$
3. Outreach	$	$	$	$	$	$	$	$
4. Siting Approvals / Permits	$	$	$	$	$	$	$	$
5. Engineering / Design	$	$	$	$	$	$	$	$
6. Materials (Eversource purchased)	$	$	$	$	$	$	$	$
7. Construction (incl matl's by contractors)	$	$559.7	$	$	$	$	$	$559.7
8. Testing / Commissioning	$	$	$	$	$	$	$	$
9. Project Mgmt Team	$	$	$	$	$	$	$	$
10. Removals	$	$	$	$	$	$	$	$
11. Other	$	$	$	$	$	$	$	$
12. Risks	$	$	$	$	$	$	$	$
SUBTOTAL DIRECTS W/ RISKS	**$**	**$559.7**	**$**	**$**	**$**	**$**	**$**	**$559.7**
13. Indirects/Overhead	$	$	$	$	$	$	$	$
14. AFUDC	$	$	$	$	$	$	$	$
PROJECT TOTAL – BASELINE BUDGET	**$**	**$559.7**	**$**	**$**	**$**	**$**	**$**	**$559.7**
15. Contingency	$	$	$	$	$	$	$	$
TOTAL CAPITAL REQUEST	**$**	**$559.7**	**$**	**$**	**$**	**$**	**$**	**$559.7**
16. Reimbursables/Customer Contribution	$	$	$	$	$	$	$	$
PROJECT TOTAL (LESS REIMBURSABLES)	**$**	**$559.7**	**$**	**$**	**$**	**$**	**$**	**$559.7**
O&M	$	$	$	$	$	$	$	$
TOTAL REQUEST	**$**	**$559.7**	**$**	**$**	**$**	**$**	**$**	**$559.7**

Note: Explain unique payment provisions, if applicable: *Provide a detailed breakdown of Other costs here.*

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Breakout Costs

Note: Dollar values are in thousands

Line item Category	Prior Authorized	Actuals to Date	2020 to Go	2021	2022	2023	2024	2025	Total
ST Labor	$	$	$	$	$	$	$	$	$
OT Labor	$	$	$	$	$	$	$	$	$
Outside Services Labor	$	$559.7	$	$	$	$	$	$	$559.7
Materials*	$	$	$	$	$	$	$	$	$
Removals	$	$	$	$	$	$	$	$	$
Other	$	$	$	$	$	$	$	$	$
Indirects	$	$	$	$	$	$	$	$	$
AFUDC	$	$	$	$	$	$	$	$	$
TOTAL CAPITAL REQUEST - W/O REIMBURSABLES	**$**	**$559.7**	**$**	**$**	**$**	**$**	**$**	**$**	**$559.7**

*All materials including Eversource purchased and outside service purchased. Note that outside service purchased material included in construction in project cost summary above.

Future Financial Impacts:

Provide below the estimated future costs that will result from the project: N/A
Note: Dollar values are in thousands

Future Costs	Year 20__	Year 20__	Year 20__	Year 20__+	Total Future Project Costs
Capital	$ -	$ -	$ -	$ -	$ -
O&M	-	-	-	-	-
Other	-	-	-	-	-
TOTAL	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Describe the estimated future Capital, O&M, and/or Other costs noted above: N/A

What functional area(s) will these future costs be funded in?_N/A_____
A representative from the respective functional area is required to be included as a project approver.

Provide below the estimated future financial benefits that will result from the project:
Note: Dollar values are in thousands

Future Benefits	Year 20__	Year 20__	Year 20__	Year 20__+	Total Future Project Benefits
Capital	$ -	$ -	$ -	$ -	$ -
O&M	-	-	-	-	-
Other	-	-	-	-	-
TOTAL	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Describe the estimated future Capital, O&M, and/or Other benefits noted above: N/A

What functional area(s) will these benefits be reflected in? N/A_____
A representative from the respective functional area is required to be included as a project approver.

Asset Retirement Obligation (ARO) and/ or Environmental Cleanup Costs (Environmental Liabilities):

Is there an ARO associated with this project? If yes, please provide details: No

Are there other environmental cleanup costs associated with this project? If yes, please provide details: No

Technical Justification:

Project Need Statement

The 2020 scheduled major maintenance and inspections of the [redacted] are considered capital per Plant Accounting based on guidance for refurbishment projects. The project is complete and was placed in service March 1, 2021.

Project Objectives

The project objective was to [redacted]

Project Scope

The project scope identified by major maintenance work orders B3H43783 ([redacted]), B3H42381 ([redacted]) and B3H42873 ([redacted]) was [redacted]

Background / Justification

[redacted] See Figure 1 for the invoice.

The [redacted]. See Figure 2 for the invoice.

[redacted]

[redacted] See Figure 3 for the invoice.

Business Process and / or Technical Improvements

Rebuilding the worn LTC contacts and barrier board identified during routine inspections serves to improve system reliability.

Alternatives Considered with Cost Estimates

There were no alternatives considered for the emergent need to rebuild the LTC contacts and barrier board.

Project Schedule

Milestone/Phase Name	Estimated Date
Transformer [redacted] scheduled maintenance begins	November 8, 2020
Transformer [redacted] LTC repairs	ISD – December 14, 2020
Transformer [redacted] scheduled maintenance begins	December 14, 2020
Transformer [redacted] LTC repairs	ISD – January 20, 2021
Transformer [redacted] scheduled maintenance begins	January 21, 2020
Transformer [redacted] LTC repairs	ISD – March 1, 2021

Regulatory Approvals

N/A

Risks and Risk Mitigation Plans

N/A – The project has been completed.

Contingency

N/A – The project has been completed.

References

N/A

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

- Figure 1 – [redacted] Invoice
- Figure 2 – [redacted] Invoice
- Figure 3 – [redacted] Invoice
- Attachment A – Cost Estimate Backup Details

Figure 1 - Transformer [redacted] Invoice:

Invoice

Invoice number	PI002891
Date	2/28/2021
Page	1 of 1
Customer account	1315
Project number	FS1577
Payment terms	N30
Sales Rep ID	
Delivery/Freight Terms	
Shipping Method	DS Personnel
Customer PO number	11074818

Remit to
Delta Star, Inc.
P.O. Box 732870
Dallas, TX 75373-2870

Sold To
Northeast Utilities
780 North Commercial Street
Manchester, NH 03101

Ship To
[redacted]

Transformer description

Item number	Description	Quantity	Unit price	Extended price
	[redacted]	[redacted]		179,100.00

Nontaxable	Taxable
179,100.00	0.00

Sales balance	Total discount	Charges	Net amount	Sales tax	Invoice Total	
179,100.00	0.00	0.00	179,100.00	0.00	179,100.00	USD

Figure 2 - Transformer [redacted] Invoice:

Invoice

Invoice number	PI002791
Date	12/31/2020
Page	1 of 1
Customer account	1315
Project number	FS1541
Payment terms	N30
Sales Rep ID	
Delivery/Freight Terms	
Shipping Method	
Customer PO number	11071019

Remit to
Delta Star, Inc.
P.O. Box 732870
Dallas, TX 75373-2870

Sold To
Northeast Utilities
780 North Commercial Street
Manchester, NH 03101

Ship To
[redacted]

Transformer description

Item number	Description	Quantity	Unit price	Extended price
	[redacted]	[redacted]		205,700.00

Nontaxable	Taxable
205,700.00	0.00

Sales balance	Total discount	Charges	Net amount	Sales tax	Invoice Total	
205,700.00	0.00	0.00	205,700.00	0.00	205,700.00	USD

Figure 3 - Transformer [redacted] Invoice:

Invoice

Invoice number	PI002790
Date	12/31/2020
Page	1 of 1
Customer account	1315
Project number	FS1540
Payment terms	N30
Sales Rep ID	
Delivery/Freight Terms	
Shipping Method	
Customer PO number	11070309

Remit to
Delta Star, Inc.
P.O. Box 732870
Dallas, TX 75373-2870

Sold To
Northeast Utilities
780 North Commercial Street
Manchester, NH 03101

Ship To
[redacted]

Transformer description

Item number	Description	Quantity	Unit price	Extended price
	[redacted]	[redacted]		156,800.00

Nontaxable	Taxable
156,800.00	0.00

Sales balance	Total discount	Charges	Net amount	Sales tax	Invoice Total	
156,800.00	0.00	0.00	156,800.00	0.00	156,800.00	USD

INSTRUCTIONS:
It is the responsibility of the initiator to contact the subject matter experts in the listed area disciplines to determine if the project considerations contained in this list are applicable to their project. They should fill out the checklist and determine a transition plan for the purpose of project execution. See the PAF Guide for additional instruction.

Project Checklist - Transmission & Substation Capital Project					
Project Name: [redacted] Rebuilds				**Project Number: CS00477**	
Facility Type: ☐ BPS ☐ BES ☐ PTF ☐ non-PTF ☐ CIP ☒ Distribution					
PLANNING					
Is a NX-9 required?				No	
Is an ISO-NE PAC presentation required?				No	
ISO-NE Presentation Date (if completed):				Enter Date	
Cost in ISO-NE Presentation ($M) (if completed):				Enter Cost ($M)	
Is a PPA required?				No	
Is a TCA Application Required?				No	
TCA Submittal Date (if submitted):				Enter Date	
Cost in TCA Submittal ($M) (if submitted):				Enter Cost ($M)	
Enter ISO-NE RSP / Asset Condition ID, if assigned:				Enter ISO-NE ID	
PLANNING/PROTECTION & CONTROLS					
Are RAS/SPS/UVLs affected?				No	
OPERATIONS					
Outage Required?	☒ Primary Equipment (Power Transfer)	☐ Secondary Equipment (P&C only)	☐ Outage Not Required		
Do SCLL Conditions Exist?				No	
Has an outage schedule been approved?				Yes	
Are Operations & Maintenance procedures/training required?				No	
STANDARDS					
Does the project include standard equipment and designs?				Yes	
SUBSTATION ENGINEERING					
Does this impact Revenue Metering				No	
Is preliminary short circuit/ breaker duty analysis required?				No	
Are there any changes to the baseline audible noise?				No	
Is there an impact to the existing ground grid?				No	
Is a Transient Over Voltage (TOV) analysis required?				No	

Project Checklist - Transmission & Substation Capital Project		
Project Name: [redacted] Rebuilds		**Project Number: CS00477**
P&C ENGINEERING		
OP-22 - Are PMUs and DDR required?	No	
If BPS, is an NPCC Directory #4 presentation required?	No	
Are ISO-NE OP-24 Appendix B updates necessary?	No	
TRANSMISSION LINE ENGINEERING		
Are there any changes that affect the baseline EMF?	No	
Are there any changes that affect the baseline EMI?	No	
SITING		
Is a Siting filing required? *(If yes, list in regulatory approvals section)*	No	
PERMITTING		
Is there any permitting required? *(If yes, list in regulatory approvals section)*	No	
SITING & CONSTRUCTION SERVICES (OUTREACH)		
What is the level of outreach expected?	None	
INITIATOR		
Has a field constructability review been completed?	No	
INVESTMENT RECOVERY		
Does the project require development of an Investment Recovery plan?	No	
COST ESTIMATING		
What team/firm prepared the cost estimate?	Other (specify below)	
Name of the person who prepared the estimate:	Actual Costs	
Was the estimate reviewed by Eversource Estimating?	No	

Cost Estimate Backup Details

Field Work Order	PO Number	Invoice Number	Description	Feb-21	Mar-21	Grand Total
B3H42381	11071019	911112971234	[redacted]	20,5700		20,5700
				6,860.1		6,860.1
B3H42873	11070309	911112970358		15,6800		15,6800
				5,229.28		5,229.28
				374,589.38		374,589.38
B3H43783	11074818	911113010244			179,100	179,100
					5,972.99	5,972.99
					185,072.99	18,5072.99
				374,589.38	185,072.99	559,662.37