EVERSOURCE

Operations Project Authorization Form

Approved at June 09, 2021 EPAC

Link to Meeting Minutes

Date Prepared: 05/18/2021 (Rev. 1)	**Project Title:** [redacted]
Company: Eversource CT	**Project Number: CS00161**
Organization: Transmission Project Management	**Class(es) of Plant: D SS**
Project Initiator: [redacted]	**Project Category:** [redacted]
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose:** [redacted]
Estimated in service date: 9/30/2020	**Capital Investment part of original Oper. Plan: Yes**
Eng./Constr. Resources Budgeted? Yes	**O&M Expenses part of original Oper. Plan: N/A**
Authorization Type: Full Funding	**Facility Type (check all that apply):**
Total Request: $202.1K	**☐ PTF ☐ non-PTF ☒ Distribution**

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

This is a Revised PAF to seek full funding of $201,700K to [redacted] This project had $97.8K of funding approved in PowerPlan on November 16, 2015. The original purpose and scope of this project was to [redacted] The new total project cost is $202K.

[redacted] The project was placed in service on September 30, 2020.

EVERSOURCE

The original project in service date of June 30, 2017 was delayed due to integration with project [redacted]. This project was completed 3/8/17. The delay was caused by required [redacted] The [redacted]

EVERSOURCE

Project Costs Summary

Note: Dollar values are in thousands

Line item Category	Prior Authorized	Actuals to Date	2021 to Go	2022	2023	2024	2025	2026	Total
1. ROW / Easements / Land Acquisition	$-	$-	$	$	$	$	$	$	$
2. Environmental Approvals / Permits	$-	$-	$	$	$	$	$	$	$
3. Outreach	$-	$-	$	$	$	$	$	$	$
4. Siting Approvals / Permits	$-	$-	$	$	$	$	$	$	$
5. Engineering / Design	$9.7	$36.2	$5.0	$	$	$	$	$	$41.2
6. Materials (Eversource purchased)	$18.7	$22.2	$	$	$	$	$	$	$22.2
7. Construction (incl matl's by contractors)	$-	$-	$	$	$	$	$	$	$-
8. Testing / Commissioning	$22.4	$22.6	$	$	$	$	$	$	$22.6
9. Project Mgmt Team	$-	$-	$	$	$	$	$	$	$
10. Removals	$-	$-	$	$	$	$	$	$	$
11. Other	$-	$-	$	$	$	$	$	$	$
12. Risks	$-	$-	$	$	$	$	$	$	$
SUBTOTAL DIRECTS W/ RISKS	$50.8	$81.0	**$**	**$**	**$**	**$**	**$**	**$**	$86.0
13. Indirects/Overhead	$41.4	$90.8	$1.5	$	$	$	$	$	$92.3
14. AFUDC	$1.6	$22.8	$1.0	$	$	$	$	$	$23.8
PROJECT TOTAL – BASELINE BUDGET	$93.0	$194.6	**$**	**$**	**$**	**$**	**$**	**$**	$202.1
15. Contingency	$4.0	$	$	$	$	$	$	$	$
TOTAL CAPITAL REQUEST	$97.8	**$194.6**	**$**	**$**	**$**	**$**	**$**	**$**	**$202.1**
16. Reimbursables/Customer Contribution	$	$	$	$	$	$	$	$	$
PROJECT TOTAL (LESS REIMBURSABLES)	**$**	**$**	**$**	**$**	**$**	**$**	**$**	**$**	**$**
O&M	$	$	$	$	$	$	$	$	$
TOTAL REQUEST	**$97.8**	**$194.6**	**$7.5**	**$**	**$**	**$**	**$**	**$**	**$202.1**

Note: Explain unique payment provisions, if applicable: *Provide a detailed breakdown of Other costs here.*
Note: Power Plan shows initial approval of $99.9k

EVERSOURCE

Breakout Costs

Note: Dollar values are in thousands

Line item Category	Prior Authorized	Actuals to Date	2021 to Go	2022	2023	2024	2025	2026	Total
ST Labor	$30.9	$47.3	$5.0	$	$	$	$	$	$52.3
OT Labor				$	$	$	$	$	$-
Outside Services Labor	$1.2	$11.5		$	$	$	$	$	$11.5
Materials*	$18.7	$22.2		$	$	$	$	$	$22.2
Removals				$	$	$	$	$	$-
Other	$4.0	0		$	$	$	$	$	$-
Indirects	$41.4	$90.8	$1.5	$	$	$	$	$	$92.3
AFUDC	$1.6	$22.8	$1.0	$	$	$	$	$	$23.8
TOTAL CAPITAL REQUEST - W/O REIMBURSABLES	$97.8	$194.6	$7.5	**$**	**$**	**$**	**$**	**$**	$202.1

*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:

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: N/A
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:

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? No, If yes, please provide details:

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

Technical Justification:

Project Need Statement

[redacted]

Project Objectives

This project will allow [redacted]

Project Scope

The revision 0 scope was to [redacted] his project was placed in service September 30, 2020.

Background / Justification

[redacted]

Business Process and / or Technical Improvements

This project enhances system reliability due to the [redacted]

Alternatives Considered with Cost Estimates

[redacted].

The chosen alternative was to [redacted] as stated above.

Project Schedule

Milestone/Phase Name	Estimated Date
Project Approval	11/16/15
Construction Start	9/1/2017
Testing/Commissioning	9/1/2017
Engineering Completion	7/31/2020
In Service Date	9/30/2020

Regulatory Approvals

None Required

Risks and Risk Mitigation Plans

None - the project has been completed.

Contingency

None Required

References

N/A

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

Attachment A - Actual Cost Details

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] **Automation**		**Project Number: CS00161**	
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?	[redacted]	☐ 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] Automation	**Project Number: CS00161**
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?	Yes
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:	[redacted]
Was the estimate reviewed by Eversource Estimating?	No

Cost Estimate Backup Details

Costs shown are Actual Project Costs

Line Item Category	Actuals Time of PAF Submission 3/2021	
Engineering/Design	$	36,170.38
Materials	$	22,153.22
Construction	$	-
Testing/ Commissioning	$	22,630.13
Project Management Team	$	-
Subtotal Directs	$	80,953.73
Indiects	$	90,806.94
AFUDC	$	22,802.38
Project Baseline Budget	$	113,609.32
Total	**$**	**194,563.05**