Operations Project Authorization Form

Approved on May 14, 2026 EPAC

Link to Meeting Minutes

Project Title: [redacted] Replacement and Upgrade	**Project Number: CS00673**
Date Prepared: 05/01/2026	**Company: Eversource CT**
Organization: Asset Management	**Class(es) of Plant: D SS**
Project Initiator: [redacted]	**Project Category: Stations - General**
Managing Organization: Project Mgt and Construction	**Schedule ID#: 80523552**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Capital Investment part of original Op Plan: Yes**
Estimated in service date: May 2027	**Emergency Related Request? No**
Eng./Constr. Resources Budgeted? Yes	**Facility Type (check all that apply):** ☐ PTF ☐ non-PTF ☐ local PTF ☒ Distribution ☐ N/A (General Plant)
EJ Community: Yes	**Authorization Type: Full Funding**
Total Capital Request: $5.124M	

[1] Executive Summary

[redacted]

[redacted]

[2] Project Costs Summary

Note: Dollar values are in thousands and rounded to nearest thousand

Line item Category	Prior Authorized	Actuals to Date	2026 to Go	2027	2028	Total Request
1. ROW / Easements / Land Acquisition	$	$	$	$	$	$
2. Environmental Approvals / Permits	$	$	$31	$14	$	$45
3. Outreach	$	$	$	$	$	$
4. Siting Approvals / Permits	$	$	$	$	$	$
5. Engineering / Design	$	$51	$68	$54	$	$173
6. Materials (Eversource purchased)	$	$	$862	$	$	$862
7. Construction (incl materials by contractors)	$	$3	$	$895	$	$899
8. Testing / Commissioning	$	$	$	$352	$	$352
9. Project Mgmt Team	$	$16	$128	$63	$	$207
10. Removals	$	$18	$	$116	$	$134
11. Other	$	$	$	$3	$	$3
12. Risks	$	$	$	$374	$	$374
SUBTOTAL DIRECTS W/ RISKS	**$250**	**$89**	**$1,089**	**$1,871**	**$**	**$3,049**
13. Indirects/Overhead	$	$167	$335	$1,255	$	$1,756
14. AFUDC	$	$17	$55	$96	$	$167
PROJECT TOTAL – BASELINE BUDGET	**$250**	**$272**	**$1,478**	**$3,222**	**$**	**$4,972**
15. Contingency	$	$	$113	$39	$	$152
TOTAL CAPITAL REQUEST	**$250**	**$272**	**$1,591**	**$3,261**	**$**	**$5,124**
16. Reimbursables/Customer Contribution	$	$	$	$	$	$
PROJECT TOTAL (LESS REIMBURSABLES)	**$250**	**$272**	**$1,591**	**$3,261**	**$**	**$5,124**
O&M	$	$	$	$	$	$
TOTAL REQUEST	**$250**	**$272**	**$1,591**	**$3,261**	**$**	**$5,124**

Detail other costs, project risk items and their allocations:

Other	Allocation
Sales and Use Taxes	$3K
Risk	**Allocation**
Risk - Construction - Contaminated Soil	$50K
Risk - Construction - Design / Scope changes	$56K
Risk - Construction - Labor costs impact	$135K
Risk - Construction - Outage impacts	$65K
Risk - Construction - Weather delays impact	$68K
Total	$374K

Explain unique payment provisions, if applicable:

[redacted]

Identify and detail any unique O&M impacts resulting from this project:

N/A.

[3] Technical Justification

Project Need, Objective and Justification

[redacted]

[redacted]

Project Scope

[redacted]



[redacted]

[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

[redacted]

[redacted]

Substation Equipment

Station	Device Position / Nomenclature	Device Removals	Device Additions
[redacted]			

Protection & Controls Equipment

Station	Device Position / Nomenclature	Device Removals	Device Additions
[redacted]			

Station	Device Position / Nomenclature	Device Removals	Device Additions
[redacted]			

Background

[redacted]

[redacted]

[4] Alternatives Considered

[redacted]

[redacted]

[redacted]

[5] Project Schedule

Milestone	Scheduled Completion Date
IFR Approval	May 2023
SDC Approval (for applicable projects)	August 2024
Conversion of Tx development costs, 183 to 107 (applicable to projects that require SSF approval and/or ISO preferred alternative selection)	N/A
EPAC Partial Funding Approval (for applicable projects)	N/A
Preliminary Design Completion (or latest pre-full funding design phase)	March 2026
EPAC Full Funding Approval	May 2026
Siting Approval (for applicable projects)	N/A
Start of Construction	January 2027
Project In-Service Date (ISD)	May 2027
Project Need Date (for applicable projects)	N/A
ISO Related Milestones: (for applicable projects)	
• ISO Preferred Alternative Selected	N/A
• PAC Presentation	N/A
• TCA Submittal	N/A

A P6 schedule is attached as Attachment B.

[6] Regulatory Approvals

No siting approvals are required for this project. Outreach needs are minimal and will consist of notification to abutters in English and Spanish, as necessary.

[redacted]

EJ Community Considerations:

[redacted]

[7] Risk and Risk Mitigation Plans

Contingency:

$152K in contingency has been allocated for project unknowns.

Risk Mitigation:

Risk	Mitigation
Risk - Construction - Contaminated Soil	Risk associated with potential contaminated excavation material requiring special removal. Environmental remediation and field response contacts have been engaged for this project to manage contaminated material removal if found. Risk allocation is included in the estimate.
Risk - Construction - Design / Scope changes	Risk associated with scope changes during construction. Reference drawings and coordinate with project team to ensure compliance with designed scope. Risk allocation is included in the estimate.
Risk - Construction - Labor costs impact	Risk associated with additional unforeseen labor costs. Risk includes dollars additional excavation activities, if deemed necessary. Coordinate with Substation Operations, Facilities, and Engineering to maintain schedule of working hours and overtime needs, if applicable. Risk allocation is included in the estimate.
Risk - Construction - Outage impacts	Risk associated with needing to reschedule outages, add outages for additional pictures or verification, or other concerns. Perform construction work in the spring, where MVAR load is low, to mitigate impact to the system. Risk allocation is included in the estimate.
Risk - Construction - Weather delays impact	Risk associated with delays in construction, such as from weather delays. Monitor forecasts and ensure availability of resources as construction start date approaches. Risk allocation is included in the estimate.

[8] References

References
1. CS00673 [redacted] Rplc & Upgrade IFR – Approved at EPAC 5/30/2023.
2. CS00673 [redacted] Replacement & Upgrade SSF – Approved at SDC 8/20/2024.
3. CS00673 [redacted] Replacement MOER – Approved 2/28/2025.
4. Emergent WO DSQ03022, under DSEQ CLP DIST SS FAILED EQUIPMENT ANNUAL. WO opened 5/2020.

[9] Attachments (One-Line Diagrams, Images, etc.)

Attachment	Included in Submittal?
A. Estimate [redacted] Replacement R1	*YES*
B. [redacted] (CS00673) – 5-6-26	*YES*
C [redacted] - Constructability Review Form	*YES*
D [redacted] New Proposed Nomenclature	*YES*

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] **Replacement and Upgrade**		**Project Number: CS00673**	
Facility Type: ☐BPS ☐BES ☐PTF ☐local PTF ☐non-PTF ☐CIP ☒Distribution ☐General Plant ☐CONVEX ☐SCADA			
PLANNING			
Is a NX-9 required?		Yes	
Is an ISO-NE PAC presentation required?		No	
ISO-NE Presentation Date (if completed):		N/A	
Cost in ISO-NE Presentation ($M) (if completed):		N/A	
Is a PPA required?		No	
ISO-NE Approval Date (if completed):		N/A	
Is a TCA Application Required?		No	
TCA Submittal Date (if submitted):		N/A	
Cost in TCA Submittal ($M) (if submitted):		N/A	
Enter ISO-NE RSP / Asset Condition ID, if assigned:		N/A	
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?		No	
Are Operations & Maintenance procedures/training required?		Yes	
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?		Yes	
Is a Transient Over Voltage (TOV) analysis required?		NR	

Project Checklist - Transmission & Substation Capital Project	
Project Name: [redacted] **Bank Replacement and Upgrade**	**Project Number: CS00673**
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	
Has Siting reviewed this project?	Yes
Name of Siting contact:	[redacted]
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
PROJECT SERVICES (OUTREACH) and ROW WORK COORDINATION	
Has Project Services reviewed this project?	Yes Choose an item
Name of Project Services contact:	[redacted]
What is the level of outreach expected?	Low
Has ROW Coordination reviewed this project?	No
Is this project coordinating with other existing scheduled work?	No
ENVIRONMENTAL JUSTICE COMMUNITIES	
Has the Equity and Environmental Justice team reviewed this project?	Yes
Name of Equity and Environmental Justice contact:	[redacted]
Is any part of this project in an Environmental Justice Community?	Yes
Was the Equity Framework Checklist completed?	N/A
Has enhanced outreach required per State Regulatory requirements been completed?	N/A
INITIATOR	
Has a field constructability review been completed?	Yes

Project Checklist - Transmission & Substation Capital Project	
Project Name: [redacted] **Bank Replacement and Upgrade**	**Project Number: CS00673**
INVESTMENT RECOVERY	
Does the project require development of an Investment Recovery plan?	No
COST ESTIMATING	
What team/firm prepared the cost estimate?	Estimate was prepared by the Eversource Estimating Team
Name of the person who prepared the estimate:	[redacted]
Was the estimate reviewed by Eversource Estimating?	Yes - Full Review

ATTACHMENT A

Return to TOC

Project name [redacted]
Project no **CS00673**
Project manager [redacted]
Project estimator [redacted]
Business unit **Distribution**
Ext accuracy

Description	% Directs	% Total	[redacted]
ROW / Easements / Land purchases	0.0%	0.0%	-
Environmental Approvals / Permits	1.5%	0.9%	45,200
Project Services	0.0%	0.0%	[redacted]
Siting Approvals / Permits	0.0%	0.0%	-
Engineering / Design	5.7%	3.4%	173,100
Materials (Eversource purchased)	28.3%	16.8%	862,100
Construction (inc contractor sourced material)	29.5%	17.5%	898,500
Testing / Commissioning	11.5%	6.9%	351,700
PMT Project Mgmt Team	6.8%	4.0%	207,200
Removals	4.4%	2.6%	134,100
Other (including CWIP & Taxes)	0.1%	0.1%	2,700
Risks	12.3%	7.3%	374,000
Project Directs (including risks)	**100.0%**	**59.5%**	**3,048,800**
Indirects/Overhead		34.3%	1,756,100
AFUDC		3.3%	167,400
Project Total - Baseline Budget		**97.0%**	**4,972,300**
Contingency		3.0%	152,000
Project Total - Approval Level		**100.0%**	**5,124,300**
Reimbursables/Customer Contribution		0.0%	-
Project Total (less reimbursables)			**5,124,300**

Metrics	
Quantity	[redacted]
Cost/Quantity	5,124,300 $/LS
Escalation (included above)	265,700
Miscellaneous	
Risks & Contingency / Project Total - Approval level (less Risks & Contingency)	11.44%
	Planning (-25% to +25%)
Estimate Range	
Low	3,843,200
Expected	5,124,300
High	6,405,400

Return to TOC

CBS1 > 2 > 3 > 4	Description	Total Amount	Actual Amount	Labor Hours	Labor Amount	Material Amount	Subcontract Amount	Equipment Amount	Other Amount
[redacted]	Replacement	5,124,337							
[redacted]		5,124,337							
02	Environmental Approvals / Permits	45,175							
03	SCS Outreach	199	199	-	-	-	-	-	-
05	Engineering / Design	173,137	51,034	1,360	122,103	-	-	-	-
06	Equipment /Materials (Eversource purchased)	862,114	-	-	-	862,114	-	-	-
07	Construction (incl matl's by contractors)	898,536	3,324	4,655	728,446	68,786	-	93,261	4,719
08	Testing / Commissioning	351,675	-	1,560	351,675	-	-	-	-
09	PMT Project Mgmt Team	207,160	16,426	1,284	190,734	-	-	-	-
10	Removals	134,140	17,746	619	105,813	-	-	10,581	-
11	Other	2,683	-	-	-	-	-	-	2,683
12	Risks	374,000	-	-	-	-	-	-	374,000
13	Indirects/Overhead	1,756,086	166,807	-	-	-	-	-	1,589,279
14	AFUDC	167,432	16,638	-	-	-	-	-	150,794
15	Contingency	152,000	-	-	-	-	-	-	152,000
Grand Total		5,124,337	272,174	9,734	1,543,948	930,900	-	103,842	2,273,474

ATTACHMENT B

Activity ID	Activity Name	Remaining Duration	Start	Finish	2026								2027								
					May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
[redacted]																					

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

ATTACHMENT C

Project Title: [redacted] **Replacement**	☒	Prior Constructability Review Performed?
	☐	Program Related Site Specific Review?
Project Numbers(s): CS00673	**Project Constructability Phase:**	
Date(s) of Constructability Review: 03/18/2026	☐ Conceptual Engineering Design	
Click to enter a date	☒ Preliminary Engineering Design	
	☐ Detailed Engineering Design	
Project Scope Statement: [redacted]		

Department Review/Walkdown Attendees*:

Required [X]	Attended [X]	Department	Name	Required [X]	Attended [X]	Department	Name
☒	☒	Project Management	[redacted]	☒	☒	S/S Engineering	[redacted]
☒	☒	Asset Management	[redacted]	☒	☒	P&C Engineering	[redacted]
☐	☐	Constr. Management		☒	☒	Civil Engineering	[redacted]
☐	☐	S/S Technical / LCE		☐	☐	Telecom	
☒	☒	S/S Operations**	[redacted]	☒	☒	Environmental	[redacted]
☐	☐	Field Engineering		☐	☐	Real Estate	
☐	☐	Line Engineering		☐	☐	ROW T&D Rights & Survey	
☐	☐	Vegetation Management		☐	☐	Survey Engineering	
☐	☐	Siting		☐	☐	Cost Estimating	
☐	☐	Safety		☐	☐	Project Services (Outreach)	
☐	☐	SCADA		☐	☐	Material Procurement	

*** Sign-off in the table above for the Detailed Engineering Design Constructability Review indicates that all Action Items/Concerns from prior Constructability Reviews have been mitigated/resolved as documented in this form. Not every department is required to attend walkdowns for every project but should be consulted for project impact considerations**

** Internal Eversource Substation Operations must be included in the review even if external construction resources are planned

[Project Manager] certifies that this review was performed to completeness, that all applicable departments were informed of the project and have had opportunity to provide input to this review:

[redacted] _____ [redacted] _____

Name / Signature *Date*

Documents available for use prior to Constructability Review					
[X]	Document	[X]	Document	[X]	Document
☒	Initial Scope -Birdseye site plan -General Arrangement	☒	Preliminary Drawings -Civil Site Drawing -Electrical Drawing -Section Drawings	☐	Prints in hand for marking up -Panel Front/Read View -Control Enclosure Layout -Floor / Wall Plans
☐	Detailed Scope Document	☐	Proposed Schedule	☐	Construction Sequence/Timeline
☐	Previous Notes / Comments / Observations	☐	Major Material / Equipment List	☐	Replace / Reuse of equipment

Action Items and Resolutions:

Item No.	Const. Review Action Item/Concern	Design Resolution/Mitigation:
1		
2		
3		
4		
5		

	Key Review Item Description	N/A or No Concern	Review Notes, Concerns, or Additional Info Needed
A	**Engineering & Asset Management**		
[redacted]			

	Key Review Item Description	N/A or No Concern	Review Notes, Concerns, or Additional Info Needed
[redacted]			

	Key Review Item Description	N/A or No Concern	Review Notes, Concerns, or Additional Info Needed
[redacted]			

	Key Review Item Description	N/A or No Concern	Review Notes, Concerns, or Additional Info Needed
[redacted]			
B	**Construction**		
[redacted]			

	Key Review Item Description	N/A or No Concern	Review Notes, Concerns, or Additional Info Needed
[redacted]			

	Key Review Item Description	N/A or No Concern	Review Notes, Concerns, or Additional Info Needed
[redacted]			

	Key Review Item Description	N/A or No Concern	Review Notes, Concerns, or Additional Info Needed
[redacted]			
C	**Environmental**		
[redacted]			
D	**Siting, Project Services, and ROW T&D Rights & Survey**		

	Key Review Item Description	N/A or No Concern	Review Notes, Concerns, or Additional Info Needed
[redacted]			
F	**Protection & Controls**		
[redacted]			

	Key Review Item Description	N/A or No Concern	Review Notes, Concerns, or Additional Info Needed
G	**Telecom Engineering**		
	[redacted]		

Photos

(Ex. Equipment control cabinet, Breakers, MODs, CCVTs, PTs, Transformers)

ATTACHMENT D

[redacted]