EVERSOURCE

Operations Project Authorization Form

Approved on January 05, 2023 EPAC

Link to Meeting Minutes

Project Title: [redacted]	**Project Number: CS00308**
Date Prepared: 12/27/2022	**Company: Eversource CT**
Organization: Asset Management	**Class(es) of Plant: D SS**
Project Initiator: [redacted]	**Project Category: Stations - Transformers**
Managing Organization: Transmission / Major Projects	**Schedule ID#: N/A**
Project Manager: N/A	**Project Type: Specific**
Project Sponsor: [redacted]	**Capital Investment part of original Op Plan: Yes**
Estimated in service date: December 2018	**Emergency Related Request? No**
Eng./Constr. Resources Budgeted? Yes	**Facility Type (check all that apply):** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Total Capital Request: $353K	**Authorization Type: Full Funding**

[1] Executive Summary

This project is seeking full funding of $353K to cover the capital replacement cost of the [redacted]. Annual project DSN22023 was created to address the [redacted] However, upon receiving quotes from outside contractors to complete the work, final direct costs exceeded the APS-1 threshold of $100K on annual DSN22023. The original estimate for the annual project DSN22023 was for $76,950 in direct costs; the final direct cost for this project was $278K.

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[2] PROJECT COSTS SUMMARY

Note: Dollar values are in thousands

Line item Category	Prior Authorized	Actuals to Date	2022 to Go	2023	2024	2025	2026	2027	Total
1. ROW / Easements / Land Acquisition	$	$	$	$	$	$	$	$	$
2. Environmental Approvals / Permits	$	$	$	$	$	$	$	$	$
3. Outreach	$	$	$	$	$	$	$	$	$
4. Siting Approvals / Permits	$	$	$	$	$	$	$	$	$
5. Engineering / Design	$	$17	$	$	$	$	$	$	$17
6. Materials (Eversource purchased)	$	$25	$	$	$	$	$	$	$25
7. Construction (incl matl's by contractors)	$	$210	$	$	$	$	$	$	$210
8. Testing / Commissioning	$	$21	$	$	$	$	$	$	$21
9. Project Mgmt Team	$	$0.5	$	$	$	$	$	$	$0.5
10. Removals	$	$0.2	$	$	$	$	$	$	$0.2
11. Other	$	$5	$	$	$	$	$	$	$5
12. Risks	$	$	$	$	$	$	$	$	$
SUBTOTAL DIRECTS W/ RISKS	**$**	**$278**	**$**	**$**	**$**	**$**	**$**	**$**	**$278**
13. Indirects/Overhead	$	$74	$	$	$	$	$	$	$74
14. AFUDC	$	$0.4	$	$	$	$	$	$	$0.4
PROJECT TOTAL – BASELINE BUDGET	**$**	**$353**	**$**	**$**	**$**	**$**	**$**	**$**	**$353**
15. Contingency	$	$	$	$	$	$	$	$	$
TOTAL CAPITAL REQUEST	**$**	**$353**	**$**	**$**	**$**	**$**	**$**	**$**	**$353**
16. Reimbursables/Customer Contribution	$	$	$	$	$	$	$	$	$
PROJECT TOTAL (LESS REIMBURSABLES)	**$**	**$353**	**$**	**$**	**$**	**$**	**$**	**$**	**$353**
O&M	$	$	$	$	$	$	$	$	$
TOTAL REQUEST	**$**	**$353**	**$**	**$**	**$**	**$**	**$**	**$**	**$353**

Detail other costs, project risk items and their allocations: N/A. Project is complete.

Explain unique payment provisions, if applicable:

NA

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

NA

[3] TECHNICAL JUSTIFICATION

Project Need, Objective and Justification

This project was to [redacted]

[redacted]

[redacted]

[redacted]

Project Scope

The scope included replacement of the [redacted]

Substation Equipment

Station	Device Position / Nomenclature	Device Removals *include manufacturer*	Device Additions *include manufacturer*
[redacted]	[redacted]	[redacted]	[redacted]

Background

[redacted]

[4] ALTERNATIVES CONSIDERED

N/A. Project is complete.

[5] PROJECT SCHEDULE

Milestone	Scheduled Completion Date
IFR Approval (Initial Annual WO DSN22023)	March 2012
SDC Approval (for applicable projects)	N/A
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)	N/A
EPAC Full Funding Approval	December 2022
Siting Approval (for applicable projects)	N/A
Start of Construction	N/A
Project In-Service Date (ISD)	Completed - December 2018
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

[6] REGULATORY APPROVALS

N/A

[7] Risk and Risk Mitigation Plans

Contingency:

N/A – This project is complete.

Risk Mitigation:

Risk	Mitigation
1. N/A. Project is complete.	
2.	
3.	
4.	
5.	

[8] References

References
1. DSN22023 – [redacted] - 03/08/2012
2.
3.

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

Attachment	Included in Submittal?
A. Actual Costs	*YES*
B. P6 Schedule	*N/A*
C. Constructability Review	*N/A*

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]		**Project Number: CS00308**	
Facility Type: ☐BPS ☐BES ☐PTF ☐PTF non-regional ☐non-PTF ☐CIP ☒Distribution ☐General Plant			
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	
ISO-NE Approval Date (if completed):		Enter Date	
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?		NR	
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]	**Project Number: CS00308**
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
PROJECT SERVICES (OUTREACH) and ROW WORK COORDINATION	
What is the level of outreach expected?	None
Is any part of this project in an Environmental Justice Community?	No
Has ROW Coordination reviewed this project?	No
Is this project coordinating with other existing scheduled work?	No
INITIATOR	
Has a field constructability review been completed?	NR
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:	Actuals
Was the estimate reviewed by Eversource Estimating?	No

job_task_id	DSN22023
description	[redacted]

Row Labels	Sum of amount
A20: Miscellaneous Journal Entries	**4,622**
13P - Substation Document Control	4,622
309 - Intercompany Billing	0
A21: Miscellaneous Journal Entries Other	**-182**
4JK - D Mat Acq CL+P	-182
A66: AFUDC Debt	**155**
310 - Miscellaneous Other	155
A67: AFUDC Equity	**227**
310 - Miscellaneous Other	227
B19: Freight	**18**
300 - Dist Sp Constr - Inactive	18
E11: Employee Expense Other	**19**
2EV - Dist Station Construction	19
E13: Meals	**140**
309 - Intercompany Billing	30
3W4 - Station Ops Stamford	110
E14: Mileage	**235**
2EV - Dist Station Construction	235
L11: Labor Straight Time Exempt	**36,399**
13P - Substation Document Control	565
153 - Dist General Construction	95
15D - Distribution Program Mgmt	505
23B - CT Distribution SCADA	2,720
2EV - Dist Station Construction	30,725
309 - Intercompany Billing	1,487
3F1 - SS Eng + Design - CL+P D	302
L12: Labor Straight Time Non-Exempt	**11,449**
23B - CT Distribution SCADA	2,285
309 - Intercompany Billing	887
3F1 - SS Eng + Design - CL+P D	4,440
3W4 - Station Ops Stamford	3,837
L22: Labor Overtime Non-Exempt	**3,657**
309 - Intercompany Billing	613
3F1 - SS Eng + Design - CL+P D	999
3W4 - Station Ops Stamford	2,045
L42: Labor Premium and Special Non-Exempt	**425**
309 - Intercompany Billing	61
3F1 - SS Eng + Design - CL+P D	13
3W4 - Station Ops Stamford	352
M11: Materials- Purchased	**672**
23B - CT Distribution SCADA	120
4JK - D Mat Acq CL+P	552
M12: Materials- Stores	**24,166**
2EV - Dist Station Construction	82
4JK - D Mat Acq CL+P	24,084
S16: Engineering Design Services	**3,710**
107 - Dist Eng + Design-Disabled	-10,582
309 - Intercompany Billing	10,582
3F1 - SS Eng + Design - CL+P D	427
3G1 - Dist Eng + Design - CL+P D	0
4JK - D Mat Acq CL+P	3,283
S47: Contractor- Unit Price	**0**
2EV - Dist Station Construction	0
S49: Contractor Labor	**192,430**
15D - Distribution Program Mgmt	0
2EV - Dist Station Construction	171,689
300 - Dist Sp Constr - Inactive	0
3K1 - Substation Tech Eng - CT D	20,740
S75: Refuse Removal and Recycling	**239**
2EV - Dist Station Construction	239
U08: UVL-Contractor Labor	**0**
2EV - Dist Station Construction	0
V34: Shared Lease Vehicles-Class 4	**7**
153 - Dist General Construction	7
V43: Vehicles-Class 2S-Small Vehicles	**76**
15D - Distribution Program Mgmt	76
ZAS: Admin and Eng OH- Acct Use Only	**3,916**
15D - Distribution Program Mgmt	381
23B - CT Distribution SCADA	50
2EV - Dist Station Construction	2,448
300 - Dist Sp Constr - Inactive	0
310 - Miscellaneous Other	558
3F1 - SS Eng + Design - CL+P D	124
3G1 - Dist Eng + Design - CL+P D	24
3K1 - Substation Tech Eng - CT D	104
3W4 - Station Ops Stamford	50
4JK - D Mat Acq CL+P	177
ZES: Engin and Super OH- Acct Use Only	**6,762**
310 - Miscellaneous Other	6,762
ZGS: Gen Ser Co Benefit Loader- Acct Use Only	**12,265**
13P - Substation Document Control	507
23B - CT Distribution SCADA	3,966
309 - Intercompany Billing	3,096
3F1 - SS Eng + Design - CL+P D	4,695
ZLO: Lobby Stock Loader-Acct Use Only	**182**
4JK - D Mat Acq CL+P	182
ZNP: Non Productive Time Loader- Acct Use Only	**7,554**
13P - Substation Document Control	95
153 - Dist General Construction	16
15D - Distribution Program Mgmt	100
23B - CT Distribution SCADA	840
2EV - Dist Station Construction	4,158
309 - Intercompany Billing	530
3F1 - SS Eng + Design - CL+P D	1,035
3W4 - Station Ops Stamford	779
ZPB: Payroll Benefit Loader- Acct Use Only	**17,283**
153 - Dist General Construction	56
15D - Distribution Program Mgmt	326
2EV - Dist Station Construction	14,072
3W4 - Station Ops Stamford	2,829
ZSC: Service Company Allocations- Acct Use Only	**0**
308 - Eliminations	0
ZST: Stores Loader- Acct Use Only	**4,631**
2EV - Dist Station Construction	18
4JK - D Mat Acq CL+P	4,613
ZVE: Vehicle Costs Clearing- Acct Use Only	**7,522**
23B - CT Distribution SCADA	320
2EV - Dist Station Construction	6,282
3F1 - SS Eng + Design - CL+P D	133
3W4 - Station Ops Stamford	787
Grand Total	**338,578**
MISC INDIRECTS	14,385
TOTAL	352,963