EVERSOURCE

Project Approval Form

Project Title: [redacted] – REPL 300E	Project Number:80493998P
Date Prepared: 11/28/2023	**Company:** Eversource CT
Organization: Electric System Operations	**Project Category:** FAILED EQUIPMENT UG-DQ ANNUAL
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** No
Project Manager: [redacted]	**Emergency Related Request?** Yes
Project Sponsor: [redacted]	**Facility Type** (check all that apply): ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Required in service date: 06/06/2023	
Total Capital Request: 557.7k	**Authorization Type:** Full Funding

1. Executive Summary

This project is needed to replace the [redacted] The decision was made to replace the units.

11/29/2023 – Full Funding Request. This specific project originated as an emergent/failed equipment work order, 80493998, which exceeded the Accounting Policy Statement 1 (APS-1) threshold. Per APS 1, post-1/1/22, a single work order written under an annual project that exceeds $0.5M of spending requires a specific PAF/project. This was necessary emergent work with an estimated total cost of $557.7k when all work is complete.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2023	2024	2025	Total
Internal Labor and Construction Equipment	28.8	0.0	0.0	28.8
Outside Services	136.7	0.0	0.0	136.7
Materials	129.8	0.0	0.0	129.8
Removals	93.8	0.0	0.0	93.8
Other	2.5	0.0	0.0	2.5
Risk and Contingency	0.0	0.0	0.0	0.0
Subtotal	**391.7**	**0.0**	**0.0**	**391.7**

Indirect Capital Costs	2023	2024	2025	Total
Indirects/Overheads (including benefits)	148.8	0.0	0.0	148.8
Capitalized interest or AFUDC, if any	17.3	0.0	0.0	17.3
Subtotal	**166.1**	**0.0**	**0.0**	**166.1**
Total Capital Costs (Gross)	**557.7**	**0.0**	**0.0**	**557.7**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net)	**557.7**	**0.0**	**0.0**	**557.7**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

- [redacted]. Replacing these outdated units would reduce customer interruptions and be an overall system upgrade for Eversource.

b. Project Need

- [redacted]. The units have needed to be recharged twice within one year resulting in taking an outage both times. The project consists of removing the 3 units of the current design (the current design contains an additional 6-tie switch compared to the proposed design) and installing a new master and companion in their place. [redacted]

c. Project Scope

- [redacted]
- [redacted]
  - [redacted]
- Replace the board in the switchgear pair due to the wrong unit originally being sent

4. Alternatives Considered

Project Option Comparison

Design Criteria	Option
[redacted]	[redacted]

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	06/06/2023
100% Detailed Engineering Completion	06/06/2023
Fully Funded	11/15/2023
Construction Start	06/06/2023
In Service Date	07/07/2023

6. Regulatory Decisions

7. Codes and Standards

8. Risk and Contingencies

Contingencies:

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2023	Low	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Customer Permission / Siting Council / Municipal approvals	2023	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2023	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Internal engineering resources not available to perform the work.	2023	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2023	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.

Storm delays	2023	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2023	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.
Technological risks involving integration of new technology	2023	Low	Before use of new technology ensure support of standards and manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.
Wetlands / Environmentally sensitive area	2023	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1.
2.
3.
4.
5.

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

Attachment	Included in Submittal?
A. Cost Estimate	*N/A*
B. P6 Schedule	*N/A*
C. Geographic Map	*N/A*
D. System and Station One-Lines	*YES*

E. Other	*YES*
F.	

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[redacted]SWITCH GEARREPLACEMENT