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Operations Supplement Request Form

Approved on October 10, 2024 EPAC

Link to Meeting Minutes

Project Title: [redacted] **Add Feeder Breaker**	**Project Number: CS00571**
Date Prepared: 10/04/2024	**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#: 80232625**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Capital Investment part of original Op Plan: Yes**
Project Manager's Director: [redacted]	**Estimated in service date: May 2025**
Current Authorized Amount: $881K	**Emergency Related Request? No**
Supplement Request: $592K	**Supplement Type: Supplement**
Total Capital Request: $1,474K	**ISO-NE Approval Required (check all that apply):** ☐ **PAC** ☐ **TCA**
EJ Community: No	

[1] Background

This Supplemental Request Form (SRF) is requesting an additional $592K for a new total request of $1,474K. This project received full funding of $881K, which was approved in PowerPlan on June 19, 2023, [redacted]

Additional funding of $592K is required to cover the underestimated civil construction costs, underestimated Project Management Team costs, Indirects/Overheads and AFUDC costs because the project was unable to follow the original schedule. In addition, the lack of rental costs, per diem/expenses for the internal construction crews was not part of the original estimate.

This project has been coordinating with a Distribution Group line project (CD02190 slated to connect the WestConn Park service to the Middle River substation.

As of October 1, 2024, the original approved funding has been spent to complete the majority of the scope, including construction. Currently, this project (CS00571) is on hold while the Distribution Group line project (CD02190) scope is completed. The team is slated to start their scope early in 2025. Once that Distribution line project is completed, this project (CS00571) will continue to conduct the Testing & Commissioning activities followed by project close out.

[2] Supplement Justification Overview

The drivers for this additional request are:

- Change in Scope:
  - There was a minor change in scope driven by the Civil Construction Group. The route of the conduit was changed to avoid being routed through a steep bank and into the woods. The additional length of conduit was a total of 22 feet.
- Underestimation of Civil Construction:
  - The civil construction took longer in duration and required more laborers than estimated.
- Project coordination between internal groups:
  - The original Project Authorization Form (PAF) in service date (ISD) was December 2023. However, the schedule did not consider that of the Distribution Group line project (CD02190), which has construction starting in early 2025. The project team decided to not delay this project due to the long lead time of the replacement breaker, but continued coordination with the Distribution Line project (CD02190) team. The internal civil construction group had to delay the installation due to scheduling conflicts.
    It took months of coordination to align outage schedules with the crews, along with the conjoined effort of asbestos removal from the cabinet and bus extensions. Based on the extended schedule, additional charges are also incurred for both direct charges (i.e., additional touchpoints, re-engagements, and added team members) and indirect costs (AFDUC, etc.).

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[3] Supplement Justification Detail

The reasons for the project authorization supplement of $592K are summarized below.

1. **Environmental Approvals / Permits: $24K –** Asbestos removal from the breaker cabinets was underestimated. The original estimate only included $3K for the removal but it ended up costing $27K.
2. **Materials (by Eversource): ($27K) –** Materials were less than estimated.
3. **Construction: $143K –** The civil scope proved to be more involved than anticipated and required more laborers than originally estimated. It also took longer to start the project and a longer construction window than estimated. Lastly, the route of the conduit run changed to avoid a steep bank and running into the woods.
4. **Project Management Team: $140K –** Cost overrun due to the project taking longer than the planned six (6) months from full funding to ISD. Not having alignment with the internal groups (civil construction and the District) and not aligning with the Distribution project (CD02190) schedule added cost. Additionally, this funding will cover the future expenses for the remainder of the project, testing and commissioning through close out.
5. **Other: $74K –** Rental costs for the construction crews and per diem/mileage employee expenses, which were previously not included in the estimate.
6. **Indirects/Overhead: $168K –** Due to the project schedule overruns the Indirects/Overheads increased by having a project open longer than anticipated. Additionally, this funding will cover the future expenses for the remainder of the project.
7. **AFUDC: $69K –**Overruns on the Indirects due to the project going past the planned ISD or project closeout increased the AFUDC. Additionally, this funding will cover the future expenses for the remainder of the project.

Total Supplement Request: $592K

Please find a copy of the prior authorization document attached as reference.

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[4] Supplement Cost Summary

The table below summarizes the line-item categories from the original project estimates and the updated project estimates.

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

Line item Category	Prior Authorized	New Total Request	Variance (Supplemental Request)
1. ROW / Easements / Land Acquisition	$0	$0	$0
2. Environmental Approvals / Permits	$3	$27	$24
3. Outreach	$0	$0	$0
4. Siting Approvals / Permits	$0	$0	$0
5. Engineering / Design	$98	$98	$0
6. Materials (Eversource purchased)	$95	$68	($27)
7. Construction (incl materials by contractors)	$155	$298	$143
8. Testing / Commissioning	$51	$51	$0
9. Project Mgmt. Team	$43	$183	$140
10. Removals	$0	$0	$0
11. Other	$0	$74	$74
12. Risks	$62	$62	$0
SUBTOTAL DIRECTS W/ RISKS	**$506**	**$861**	**$355**
13. Indirects/Overhead	$322	$490	$168
14. AFUDC	$27	$96	$69
PROJECT TOTAL – BASELINE BUDGET	**$855**	**$1,447**	**$592**
15. Contingency	$27	$27	$0
TOTAL CAPITAL REQUEST	**$881**	**$1,474**	**$592**
16. Reimbursables/Customer Contribution	$0	$0	$0
PROJECT TOTAL (LESS REIMBURSABLES)	**$881**	**$1,474**	**$592**

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Total Supplement Request by Year

(NOTE: This table should show only the supplement request)

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

Line item Category	2024	2025	2026	2027	Total
1. ROW / Easements / Land Acquisition	$0	$	$	$	$0
2. Environmental Approvals / Permits	$24	$	$	$	$24
3. Outreach	$0	$	$	$	$0
4. Siting Approvals / Permits	$0	$	$	$	$0
5. Engineering / Design	$0	$	$	$	$0
6. Materials (Eversource purchased)	($27)	$	$	$	($27)
7. Construction (incl matl's by contractors)	$143	$	$	$	$143
8. Testing / Commissioning	$0	$	$	$	$0
9. Project Mgmt. Team	$100	$40	$	$	$140
10. Removals	$0	$	$	$	$0
11. Other	$74	$	$	$	$74
12. Risks	$0	$	$	$	$0
SUBTOTAL DIRECTS W/ RISKS	**$314**	**$40**	**$**	**$**	**$355**
13. Indirects/Overhead	$143	$25	$	$	$168
14. AFUDC	$57	$12	$	$	$69
PROJECT TOTAL – BASELINE BUDGET	**$514**	**$77**	**$**	**$**	**$592**
15. Contingency	$0	$	$	$	$0
TOTAL CAPITAL REQUEST	**$514**	**$77**	**$**	**$**	**$592**
16. Reimbursables/Customer Contribution	$0	$	$	$	$0
PROJECT TOTAL (LESS REIMBURSABLES)	**$514**	**$77**	**$**	**$**	**$592**
O&M	$0	$	$	$	$0
TOTAL REQUEST	**$514**	**$77**	**$**	**$**	**$592**