EVERSOURCE

Operations Project Approval Form

Project Title: Replace & Relocate Network Unit & [redacted]	Project Number: CD02828
Date Prepared: 03/12/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** NETWORK XFMR + PROTECTOR REPL
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** Yes
Project Manager: [redacted]	**Emergency Related Request?** No
Project Sponsor: [redacted]	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Required in service date: 12/31/26	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: $584.9K	**Authorization Type:** Full Funding

1. Executive Summary

CD02828 is established to replace and relocate an existing network unit on [redacted].

[redacted]

- Project Location
  - Division: Central
  - District: Hartford AWC
  - Town: Hartford

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2026	Total
Direct Capital Costs		
Internal Labor and Construction Equipment	89.2	89.2
Outside Services	17.5	17.5
Materials	74.4	74.4
Removals	26.0	26.0
Risk and Contingency	53.2	53.2
Other	0.0	0.0
Subtotal – Direct Costs	260.4	260.4
Indirect Capital Costs		
Indirect/Overheads (including benefits)	324,5	324,5
Capitalized interest or AFUDC, if any	0.0	0.0
Subtotal – Indirect Costs	324.5	324.5
Total Gross Capital Costs	**584.9**	**584.9**
Customer Contribution	0.0	0.0
Total Net Capital Project Costs	**584.9**	**584.9**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

[redacted]

b. Project Need

[redacted]

c. Project Scope

This scope consists of replacing a network unit containing an aluminum bus below:

Unit #	Circuit	Transformer Size (KVA)	Primary Voltage (KV)	Secondary Voltage (V)	Protector Type	Protector Size (A)	Address	Network
[redacted]		500	23	125/216	CM22	1600	[redacted]	

4. Alternatives Considered

NWS Exclusion Criteria (select all that apply)

☐ Project cost < $250k	☐ New Service
☐ CDOT Relocation	☐ Generator interconnection project
☒ Maintenance, Asset condition or safety related*	

*Maintenance, Asset condition or safety related justification: The network unit is being replaced for the safety of Eversource personnel, associated equipment, and the public due to the dangerous conditions aluminum buses present when combined with water.

Project Option Comparison

Design Criteria	Option	
	1 – Replace & Relocate Unit	2 – Do Nothing
Required to meet project need		
Removes unit containing AL Bus	X	
Eliminates danger caused by AL Bus	X	
Additional Benefits (not required to meet scope of project)		
Maintenance Time Reduced	X	
Authorization Type	Full	Full
Capital Cost	$584.9K	$0
Expense Cost	$27.1	$0
Total Cost	$612K	$0
Preferred option	X	

Option Summary

Preferred: Replacing and relocating the network unit containing an aluminum bus into the sidewalk, as well as abandoning and filling in the existing vault is the ONLY option considered due to the potentially dangerous conditions the existing vault possesses.

Other(s): The alternative, "Do Nothing" was not chosen due to safety concerns. This option will leave the aluminum bus network protector in-service, creating a dangerous environment in the process.

5. Project Schedule

Milestone/Phase Name	Estimated Date
Fully Funded	Mar 2026
Construction Start	Aug 2026
In Service Date	Dec 2026

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2026	High	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	2026	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2026	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.	2026	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2026	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2026	Medium	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2026	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	2026	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	2026	Medium	Use of mats and specialty equipment, only work during certain times of the year.

9. References

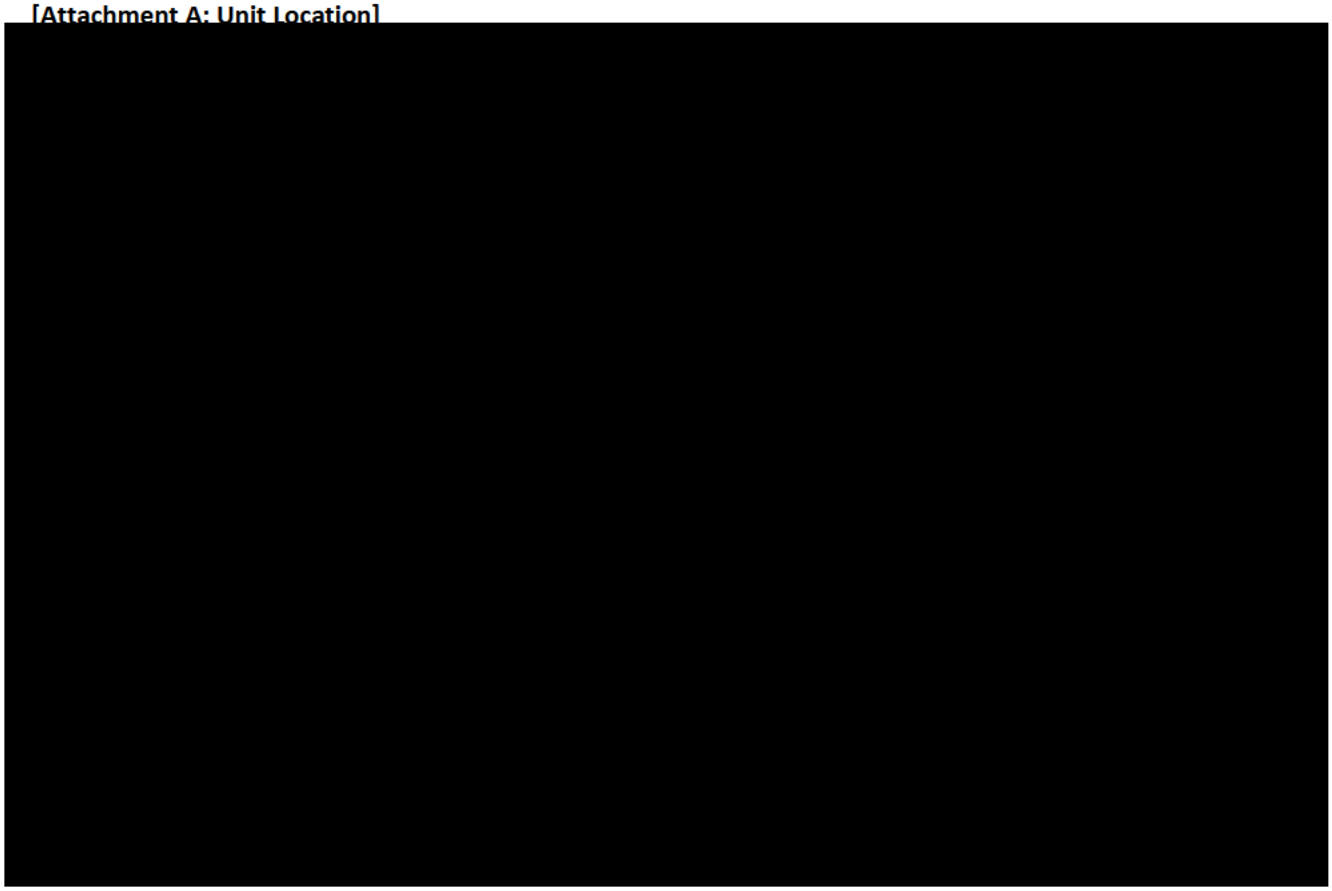
References

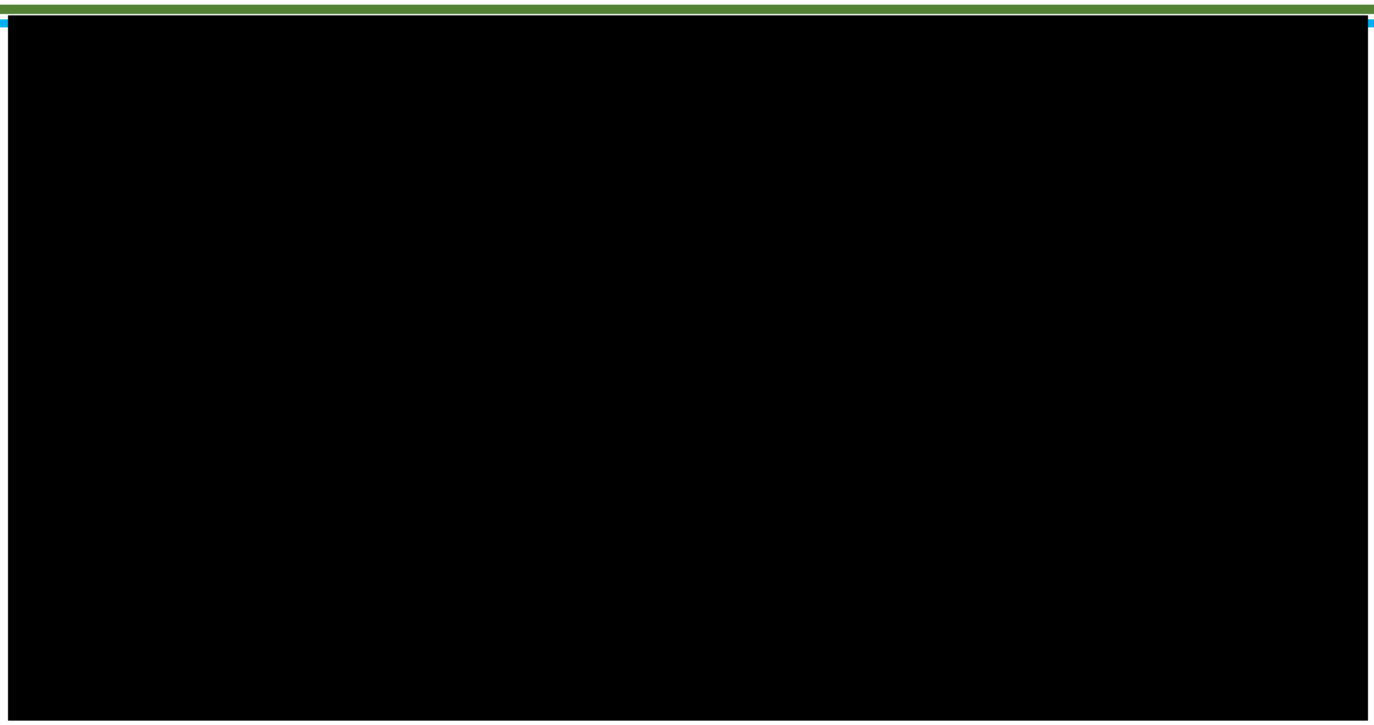
1. CD02788 – Replace Aluminum Bus Network Units

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

Attachment	Included in Submittal?
A. Unit Location	*YES*
B. Initial PAF	*YES*
C. Project Authorization Checklist	*YES*

[Attachment A: Unit Location]





[Attachment B: Initial PAF]

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Operations Project Approval Form

Project Title: Replace & Relocate Network Unit & [redacted]	**Project Number: CD02828**
Date Prepared: 01/28/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** UG CABLE & EQUIPMNT REPLACEMNT
Project Manage [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of 5-year plan?** Yes
	Emergency Related Request? No
Total Request: $30K	**Authorization Type:** Initial Funding

1. Project Need Statement

[redacted]

- Project Location:
  - Division: Central
  - District: Hartford AWC
  - Town: Hartford

2. Project Objectives

The objective of the project is to relocate and replace a network transformer and protector.

Project Initiator: [redacted]

Engineering Approval [redacted]

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[Attachment C: Project Authorization Checklist]

Project Authorization Checklist

Project Initiator: [redacted]

Project #: **CD02828**

Project Title: Replace & Relocate Network Unit & [redacted]

Funding Type:

☐ Partial PAF ☒ Full PAF

Project Alternatives:

☒ Options considered ☒ Explanation why alternatives were not selected

☐ NWA considered ☒ Explanation why preferred option was selected

Project Requirements (Review all, and check all that apply):

NR = Not Required R=Required C = Complete

NR	R	C		NR	R	C	
☒	☐	☐	Easement	☒	☐	☐	TD007
☒	☐	☐	Trimming Estimate Received	☒	☐	☐	ROW trimming Estimate Received
☒	☐	☐	Environmental Review Initiated	☒	☐	☐	Review with Operations
☒	☐	☐	Permits (state roads)	☒	☐	☐	Underground permits
☒	☐	☐	P&C Settings	☒	☐	☐	Material long lead
☒	☐	☐	Synergi load flow	☒	☐	☐	Verify if Out-Of-Phase Tie Condition
☒	☐	☐	Add to Step Load Tracker (New Service or Load Transfer)	☒	☐	☐	TD914 Network Procedure Updated
☒	☐	☐	Network Contingency Plan Updated				

PAF Documents Attached:

☐ One Lines ☐ Geographical Map ☐ Load Projections ☐ Estimates

☒ Other Documents (List): Project Authorization Checklist

PAF Review Complete:

☐ Lead Reviewed by: _____ Date: _____

☐ Manager Reviewed by: _____ Date: _____