Supplement Authorization Form

Project Title: [redacted] DB CABLE R	**Project Number:** 103870
Date Prepared: 06/19/2026	**Company:** Eversource CT
Organization: Electric System Operations	**Project Category:** DB CABLE REPLACE-SPECIFIC PROJ
Initiating Organization: Distribution	**Project Type:** Specific
Project Engineer: [redacted]	**Capital Investment part of 5-year plan?** No
Operations Representative: [redacted]	**Emergency Related Request?** Yes
Project Sponsor: Steven Lamontagne	**Facility Type** (check all that apply): ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Current Authorized Amount: $ 638K	**Approved In-Service Date:** 12/31/2012
Supplement Request: $ 1,919K	**Estimated In-Service Date:** 12/31/2012
Total Capital Request ($):2,557K	**Authorization Type: Supplement Request**
	Reason: : Cost Overage

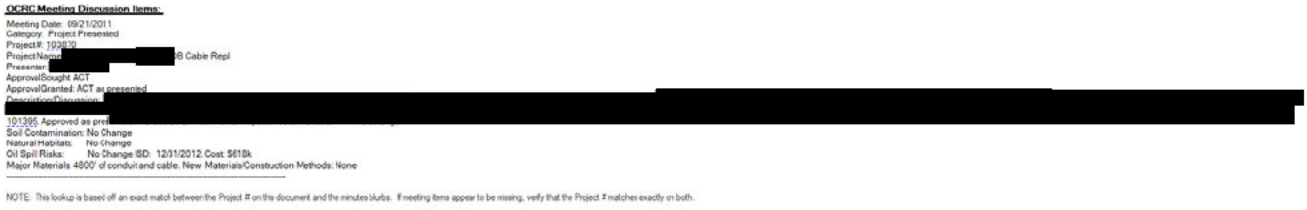
1. Supplement Justification Detail

- Supplemental funding of $1,919K was requested to complete this project due to added outside services, contractor labor, and generator costs. The original approved amount was $638K. Total project costs were $2,557K or 301% of the original approve amount. Excavation contractors encountered significant amounts of ledge, and delays occurred due to major storms.

2. Supplement Cost Summary (Project Total)

Line-item Category	To Date Spend	Prior Authorized	Variance (Supplemental Request)	New Total Request (Add Prior Authorized and Variance)
Internal Labor and Construction Equipment	10.3	210.9	(200.6)	10.3
Outside Services	1,361.8	24.1	1,337.7	1,361.8
Materials	327.8	51.2	276.6	327.8
Removals	147.8	38.9	108.9	147.8
Risk and Contingency		18.1	(18.1)	-
Other	(0.3)	-	(0.3)	(0.3)
SUBTOTAL DIRECTS W/ RISKS	**1,847.4**	**343.2**	**1,504.2**	**1,847.4**
Indirect / Overhead (including benefits)	706.3	292.9	413.4	706.3
AFUDC	3.3	2.0	1.3	3.3
Subtotal – Indirect Costs	**709.6**	**294.9**	**414.7**	**709.6**
TOTAL CAPITAL REQUEST	**2,557.1**	**638.1**	**1,919.0**	**2,557.1**
Reimbursables/Customer Contribution	-	-	-	-
PROJECT TOTAL (LESS REIMBURSABLES)	**2,557.1**	**638.1**	**1,919.0**	**2,557.1**

3. SP&AM Meeting Minutes



OCRC Meeting Discussion Items:
Meeting Date: 09/21/2011
Category: Project Presented
Project#: 103870
Project Name: [redacted] Cable Repl
Presenter: [redacted]
Approval Sought: ACT
Approval Granted: ACT as presented
Discussion: [redacted]
101396 Approved as pres[redacted]
Soil Contamination: No Change
Natural Habitats: No Change
Oil Spill Risks: No Change ISD: 12/31/2012 Cost: $618k
Major Materials: 4800' of conduit and cable. New Materials/Construction Methods: None

NOTE: This lookup is based off an exact match between the Project # on the document and the minutes blurbs. If meeting items appear to be missing, verify that the Project # matches exactly on both.

4. Project Need Statement

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: 103870
[redacted] Cable Replacemen

Work Classification

Category: Line
Type: REL2
Type Desc: DB CABLE REPLACE-SPECIFIC PROJ
Work Type:

Ownership / Management

AWC: Torrington
Statewide: No
Owner: [redacted]
Manager: [redacted]

Project Information

Status: Release for Construction
SPS #:
AIS Score: 5.29
Associated Projects:
Assignment ID:
Patrol Find ID:

Budget Summary - Preferred Option

--- No Preferred Option Selected / Created ---

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: 103870 [redacted] Cable Replacemen

Segment 103870-01

General Information

Segment: 1 - Reconductor [redacted]
Status: Detail Design Approved
Segment Type: DB CABLE - REPLACEMENT
Town: [redacted]
Budget Year: 9999
Work Type: Other
Trimming Required: ☐
In Service Date: 12/31/2013
Description: Replace Cable or [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: 103870

[redacted] Cable Replacemen

Segment 103870-01

Estimate

	Preliminary Estimate Summary	Construction (ACT) Estimate Summary	Variance	
Revision Number:	0	0		
Contingency:	24.00 %	24.00 %		
SubTotal:	$514,590	$514,590	$0	0 %
Contingency Amount:	$123,502	$123,502	$0	0 %
Estimate:	$638,092	$638,092	$0	0 %
Reimbursement:	$0	$0	$0	
Net Amount:	**$638,092**	**$638,092**	**$0**	**0 %**

Description:

Item Description	CU	$ / Per	Qty	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	11-ALL17	[redacted]		$3,900.00
TRAFFIC OH/DB/UG - Traffic Control - Police Officer	11-ALL18			$2,000.00
SECTIONALIZE OH - Cutouts or Arresters - 1ph	11-OH19			$1,500.00
XF DB/UG - Padmount XF - 1ph	11-UG130			$10,500.00
ENCLOSURE DB/UG - Transformer Pad/Handhole	11-UG143			$20,700.00
POLE DB/UG - Riser - 1ph	11-UG145			$8,200.00
ENCLOSURE DB - Fiberglass Enclosure - 1ph - Doghouse	11-UG147			$3,400.00
UG CABLE DB - Cable Replacement - 1ph	11-UG151			$264,000.00
OTHER OTHER Estimating Unit Value Adjustment (original estimate used older version of units)	11-ALL14			$200,390.00

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5. Neutral Testing

103870

PN 101395

Replacement of 4800 feet of DB Cable on [redacted] $618k

Background

Cable vintage 1974.

[redacted] customers served.

Gravel road and driveways.

Outage / Problem History

A four year outage history reveals no cable failures.

[redacted] See also attached letter from the customer to [redacted]

Subsequent neutral testing was performed by the test department to reveal the results below.

[redacted]

Corrective Actions

[redacted]

IEEE 1617

Per IEEE 1617, the CONCENTRIC neutral is integral to the cable in specific ways. It carries charging currents from the semiconductor, it carries fault currents sufficiently to not damage the cable, it reduces step and touch potential (in the case of a dig-in), and of course it provides the system neutral. Further, section 4.4 states, "The point is that the charging current and fault current requirements must be integral to the cable, whereas the neutral or load return requirements can optionally be a part of the metallic shield or as a separate conductor external to the cable."