EVERSOURCE

Project Approval Form

Project Title: [redacted]	**Project Number:** CD02513
Date Prepared: 07/17/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** OVERLOADS-SPECIFIC PROJECTS
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: 6/1/26	**NWS Excludable:** ☐ Yes ☒ No
Total Capital Request: $250.5K	**Authorization Type:** Full Funding

1. Executive Summary

Full Funding is being requested for $250.5K, 59% over the Partial Funding estimate of $157.5K, a difference of $93K. The overage is due to the indirect charges being $78.5K higher than estimated.

[redacted]

Division: Eastern
District: New London AWC
Town: Montville

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2026	2027	2028	Total
Internal Labor and Construction Equipment	51.7	0.0	0.0	51.7
Outside Services	16.2	0.0	0.0	16.2
Materials	25.8	0.0	0.0	25.8
Removals	7.0	0.0	0.0	7.0
Other	17.5	0.0	0.0	17.5
Risk and Contingency	0.0	0.0	0.0	0.0
Subtotal	**118.1**	**0.0**	**0.0**	**118.1**

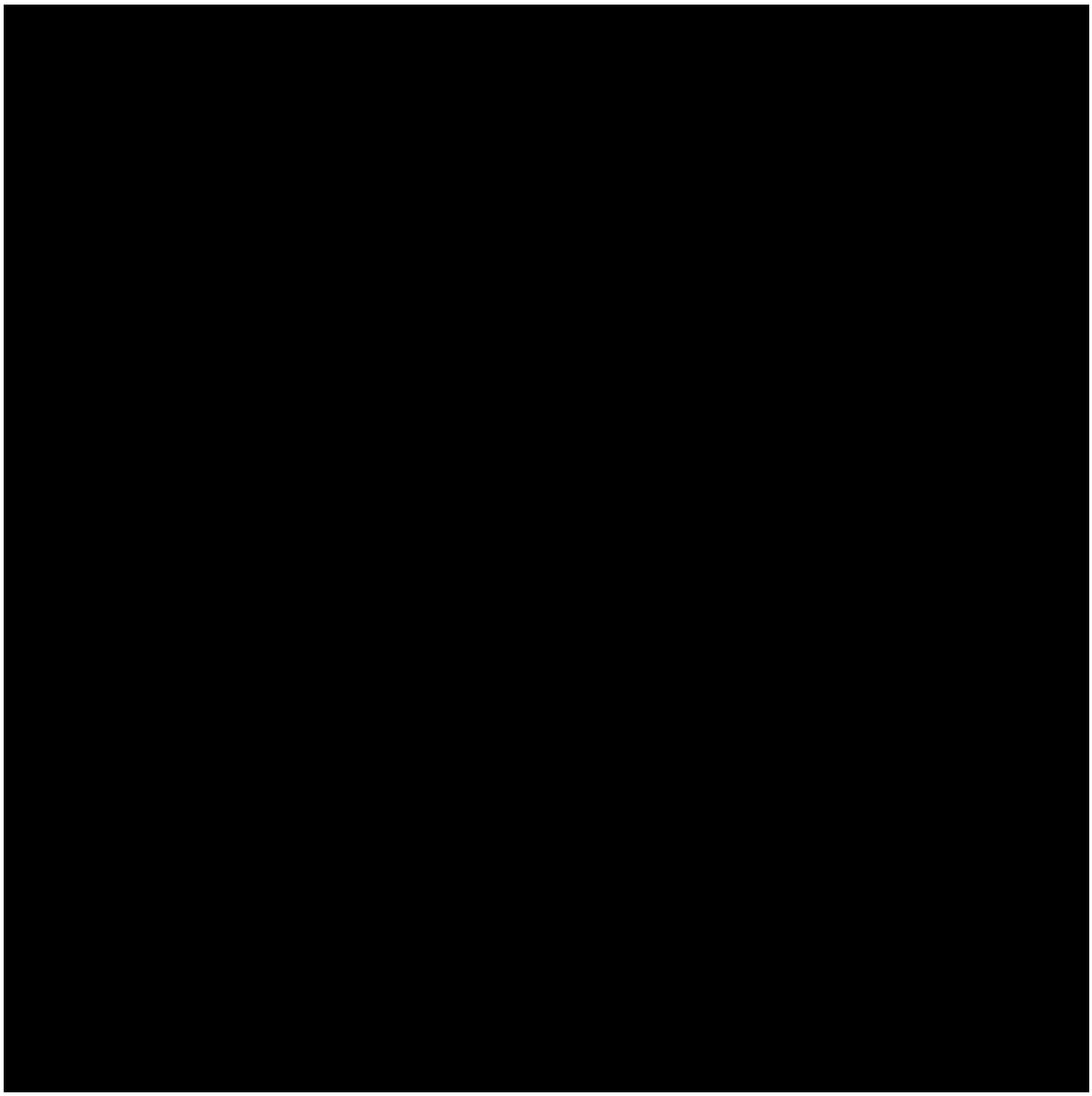
Indirect Capital Costs				
Indirects/Overheads (including benefits)	132.4	0.0	0.0	132.4
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal	**132.4**	**0.0**	**0.0**	**132.4**
Total Capital Costs (Gross)	**250.5**	**0.0**	**0.0**	**250.5**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net)	**250.5**	**0.0**	**0.0**	**250.5**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background



[redacted]

b. Project Need

[redacted]

c. Project Scope

[redacted]

4. Alternatives Considered



Project Option Comparison

Design Criteria	Option			
	1 – 1Q01 Parallel Getaway + OH Reconductoring	**2 – 1Q01 Getaway + OH Reconductoring**	**3 - Battery Installation**	**4 – Refeed From 1Q5**
Normal loads < 80% of UG rating	X	X	X	X
Normal loads < 90% of OH rating	X	X	X	X
Contingent loads < 100% of rating	X	X	X	X
All zones < 500 customers	X	X	X	X

MVA Added	3 MVA	2.4 MVA	1.4 MVA	N/A
Authorization Type	Partial	Partial	Partial	Full
Capital Cost	$521,075	$586,242	$16.3M	$250,520
Expense Cost	$16,252	$18,285	$0.5M	$7,780
Total Cost	$537,327	$604,527	$16.8M	$258,300
Total Cost / MVA added	$179,109	$251,886	$12M	N/A
Preferred option				X

Option Summary

NWA estimate was calculated at $2M per MWh based on the two lowest of three contractor bids received in Connecticut.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	8/29/2024
100% Detailed Engineering Completion	6/30/25
Fully Funded	8/14/25
Construction Start	1/1/26
In Service Date	6/1/26

6. Regulatory Decisions

7. Codes and Standards

DTR 12.581 - Three-Phase Parallel Risers with Disconnects
DSEM 06.301 - Pole Replacement
DSEM 08.101 - Overhead Ratings
DSEM 08.311 - Medium Voltage EPR Insulated AL, Cable Ratings
DSEM 08.321 - Medium Voltage EPR Insulated CU, Cable Ratings
DSEM 03.311 - Cost Effectiveness of Capacity Additions

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.	2026	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	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.	2025	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2026	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.

Storm delays	2026	Low	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	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1. CD02202 – 2024 Large Customer Zones RWO - Eastern

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. Load Sheet	*YES*
C. Scope of work map	*YES*
D. One-line	*YES*
E. CD02312 Battery Charging Schedule	*YES*

Attachment A: Cost Estimate

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02513 [redacted]

Work Classification

Category: Line
Type: BLG1
Type Desc: OVERLOADS-SPECIFIC PROJECTS
Work Type:

Ownership / Management

AWC: New London
Statewide: No
Owner [redacted]
Manager

Project Information

Status: Draft
SPS #:
AIS Score:
Associated Projects:
Assignment ID:
Patrol Find ID:

Budget Summary - Preferred Option 1Q5 Refeed

2026

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
3	[redacted]	Draft	0	28%	$162,396	$162,396
				2026 Total:	$162,396	$162,396
				Total Project:	$162,396	$162,396

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02513 [redacted]

Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	[redacted]		$537,327	$0	100%	$0.00	$0.00	☐
O2			$604,527	$0	100%	$0.00	$0.00	☐
O3			$162,396	$0	100%	$0.00	$0.00	☑

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	[redacted]	$537,327			$0.00	$0.00
2		$604,527			$0.00	$0.00
3		$162,396			$0.00	$0.00

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02513 [redacted]

Design Alternative CD02513-03

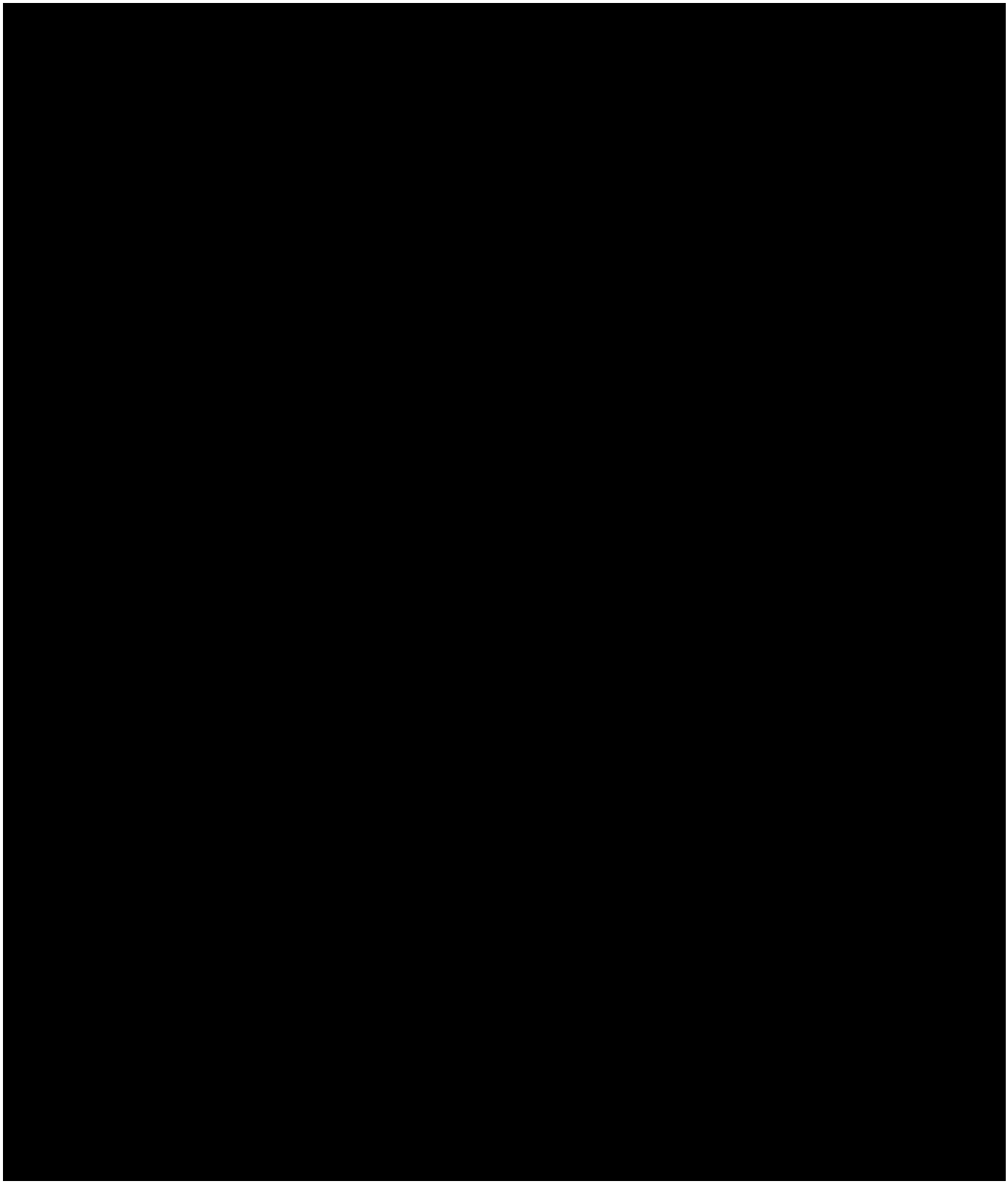
Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$126,872
Contingency Amount:	$35,524
Estimate:	$162,396
Reimbursement:	$0
Net Amount:	$162,396

Description:

Item Description	CU	$ / Per	Qty	Amount
SECTIONALIZE [redacted]	23-OH44	[redacted]		$26,736.32
TRAFFIC OH/DB/UG - Traffic Control - Police Officer [redacted]	23-ALL18			$17,000.00
SECTIONALIZE [redacted]	23-OH19			$3,565.12
XF [redacted]	23-OH45			$5,484.96
POLE [redacted]	23-OH12			$9,256.00
POLE [redacted]	23-UG146			$28,065.44
OH WIRE [redacted]	23-OH27			$35,308.00
OH WIRE [redacted]	23-OH37A			$1,456.00

Attachment B: Load Sheet





Attachment D: one-line



Attachment E: CD02312 Battery Charging Schedule



EVERSOURCE

Project Approval Form

Project Title [redacted]	**Project Number: CD02513**
Date Prepared: 08/13/2024	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** OVERLOADS-SPECIFIC PROJECTS
Project Initiator [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** Yes
Project Manage [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: 6/1/2026	
Total Capital Request: $157.5K	**Authorization Type:** Partial Funding

1. Executive Summary

[redacted]

Division: Eastern
District: New London AWC
Town: Montville

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2026	Year 2027	Year 2028+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	6.6	0.0	0.0	6.6
Outside Services	53.6	0.0	0.0	53.6
Materials	26.9	0.0	0.0	26.9
Removals	11.9	0.0	0.0	11.9
Risk and Contingency	0.0	0.0	0.0	0.0
Other	1.0	0.0	0.0	1.0
Subtotal – Direct Costs	**100.0**	**0.0**	**0.0**	**100.0**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	53.9	0.0	0.0	53.9
Capitalized interest or AFUDC, if any	3.6	0.0	0.0	3.6
Subtotal – Indirect Costs	**57.5**	**0.0**	**0.0**	**57.5**
Total Gross Capital Costs	**157.5**	**0.0**	**0.0**	**157.5**
Customer Contribution	0.0	0.0	0.0	0.0
Total Net Capital Project Costs	**157.5**	**0.0**	**0.0**	**157.5**

Explain unique payment provisions, if applicable: N/A

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background



[redacted]

b. Project Need

[redacted]

c. Project Scope

[redacted]

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Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.1

4. Alternatives Considered



Project Option Comparison

Design Criteria	Option			
	1 – 1Q01 Parallel Getaway + OH Reconductoring	2 – 1Q01 Getaway + OH Reconductoring	3 - Battery Installation	4 – Refeed From 1Q5
Normal loads < 80% of UG rating	X	X	X	X
Normal loads < 90% of OH rating	X	X	X	X
Contingent loads < 100% of rating	X	X	X	X
All zones < 500 customers	X	X	X	X
MVA Added	3 MVA	2.4 MVA	1.4 MVA	N/A
Authorization Type	Partial	Partial	Partial	Partial
Capital Cost	$521,075	$586,242	$16.3M	$157,484

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Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.1

Expense Cost	$16,252	$18,285	$0.5M	$4,912
Total Cost	$537,327	$604,527	$16.8M	$162,396
Total Cost / MVA added	$179,109	$251,886	$12M	N/A
Preferred option				X

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	8/29/2024
100% Detailed Engineering Completion	1/1/2025
Fully Funded	3/1/2025
Construction Start	1/1/2026
In Service Date	6/1/2026

6. Regulatory Decisions

N/A

7. Codes and Standards

DTR 12.581 - Three-Phase Parallel Risers with Disconnects

DSEM 06.301 - Pole Replacement

DSEM 08.101 - Overhead Ratings

DSEM 08.311 - Medium Voltage EPR Insulated AL, Cable Ratings

DSEM 08.321 - Medium Voltage EPR Insulated CU, Cable Ratings

DSEM 03.311 - Cost Effectiveness of Capacity Additions

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System abnormal configuration	2026	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.
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Wetlands / Environmentally sensitive area	2026	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1. CD02202 – 2024 Large Customer Zones RWO - Eastern*

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

Attachment	Included in Submittal?
A. Need Statement (Estimate)	*YES*
B. Load Sheet	*YES*
C. Scope of Work Map	*YES*
D. One-Line	*YES*
E. CD02312 Battery Charging Schedule	*YES*

Attachment A: Cost Estimate

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02513 [redacted]

Work Classification		Ownership / Management	
Category:	Line	AWC:	New London
Type:	BLG1	Statewide:	No
Type Desc:	OVERLOADS-SPECIFIC PROJECTS	Owner	[redacted]
Work Type:		Manager	

Project Information			
Status:	Draft	Associated Projects:	
SPS #:		Assignment ID:	
AIS Score:		Patrol Find ID:	

Budget Summary - Preferred Option — 1Q5 Refeed

2026 ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
3	[redacted]	Draft	0	28%	$162,396	$162,396
				2026 Total:	$162,396	$162,396
				Total Project:	$162,396	$162,396

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Attachment A: Cost Estimate

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02513 [redacted]

Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	[redacted]		$537,327	$0	100%	$0.00	$0.00	☐
O2			$604,527	$0	100%	$0.00	$0.00	☐
O3			$162,396	$0	100%	$0.00	$0.00	☑

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	[redacted]	$537,327			$0.00	$0.00
2		$604,527			$0.00	$0.00
3		$162,396			$0.00	$0.00

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Attachment A: Cost Estimate

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02513

[redacted]

Design Alternative CD02513-03

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$126,872
Contingency Amount:	$35,524
Estimate:	$162,396
Reimbursement:	$0
Net Amount:	$162,396
Description:	

Item Description	CU	$ / Per	Qty	Amount
[redacted]	23-OH44	[redacted]		$26,736.32
TRAFFIC OH/DB/UG - Traffic Control - Police Officer [redacted]	23-ALL18			$17,000.00
SECTIONALIZE [redacted]	23-OH19			$3,565.12
XF [redacted]	23-OH45			$5,484.96
POLE [redacted]	23-OH12			$9,256.00
POLE [redacted]	23-UG146			$28,065.44
OH WIRE [redacted]	23-OH27			$35,308.00
OH WIRE [redacted]	23-OH37A			$1,456.00

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Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.1

Attachment B: Load Sheet



Attachment B: Load Sheet



Attachment C: Scope of Work Map



Attachment D: One-Line



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Attachment E: CD02312 Battery Charging Schedule

