EVERSOURCE

Operations Project Authorization Form

Project Title: [redacted] **Contingency Overload**	**Project Number: CD02473**
Date Prepared: 02/26/2026	**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: 6/30/2026	**NWS Excludable:** ☐ Yes ☒ No
Total Capital Request: $296.7k	**Authorization Type: Full Funding**

1. Executive Summary

Full funding is being requested for this project at a cost of $296.7k, which is 129% of the partial funding estimate of $230.8k. There was no change of scope for this project, the variance between the full funding and partial funding estimate is primarily due to the following factors. The use of internal crews reduced the estimate by about $51k. The cost of materials was $44k higher than the original estimate. The estimated cost of indirects was $62k higher than the partial funding amount.

This project was created to address a contingency overload created [redacted] To eliminate the contingency overload, multiple solutions were investigated including redistributing the load to other circuits, reducing the amount of load transferred [redacted] and replacing the existing limiting factor for this zone to alleviate the contingency overload. [redacted]

- Division: Western
- District: Newtown AWC
- Town(s): Danbury

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	37.4	0.0	0.0	37.4
Outside Services	0.0	0.0	0.0	0.0
Materials	83.9	0.0	0.0	83.9
Removals	8.9	0.0	0.0	8.9
Risk and Contingency	20.7	0.0	0.0	20.7
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**150.9**	**0.0**	**0.0**	**150.9**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	145.8	0.0	0.0	145.8
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal – Indirect Costs	**145.8**	**0.0**	**0.0**	**145.8**
Total Gross Capital Costs	**296.7**	**0.0**	**0.0**	**296.7**
Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Total Net Capital Project Costs	**296.7**	**0.0**	**0.0**	**296.7**

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

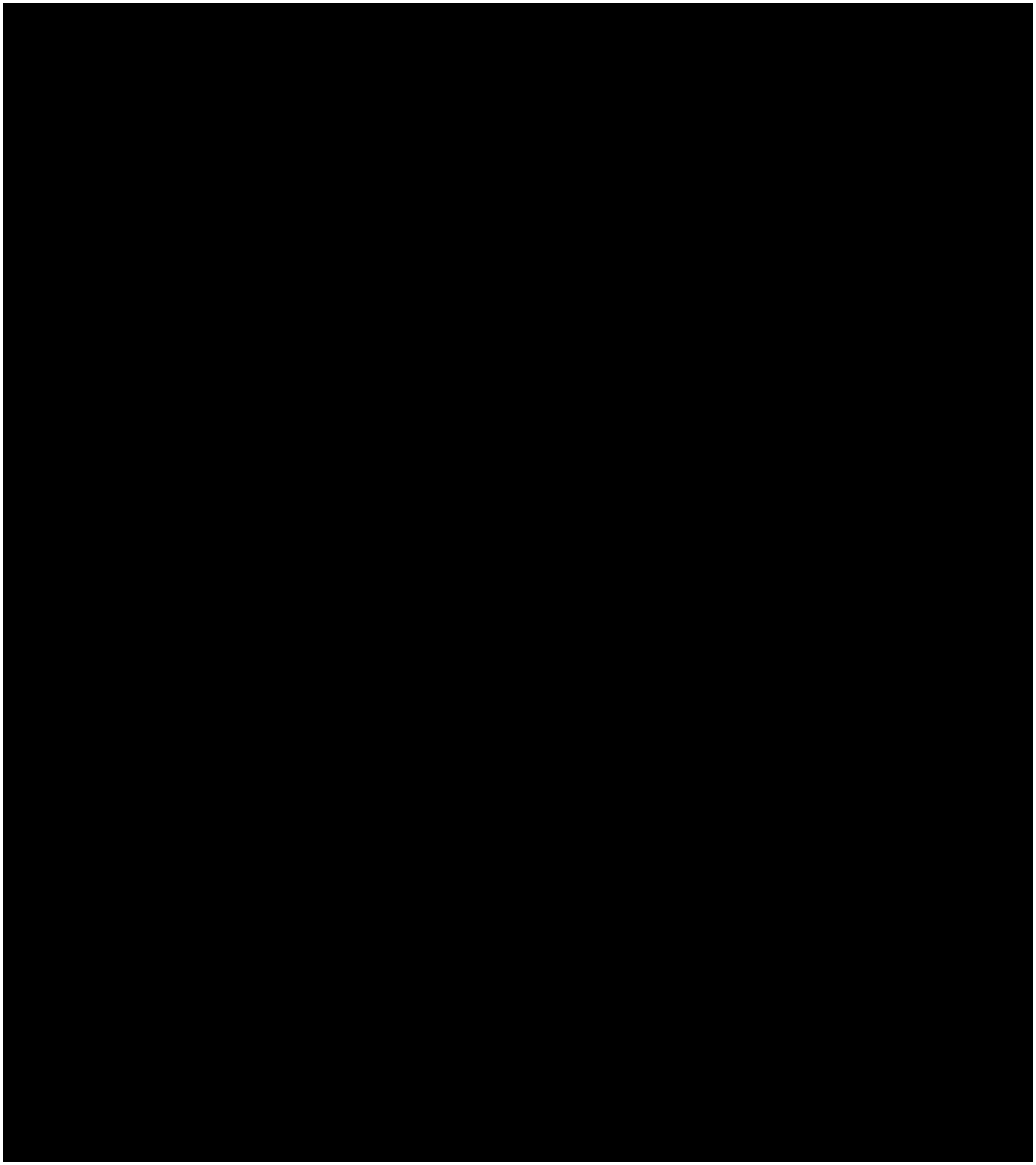
NWS

Project Option Comparison

Design Criteria	Option				
	1 – PILC Reconductor	2 – New Tie	3 – PILC Reconductor & New Tie	4 – NWS Installing 9.6 MWh Battery	5 – Do Nothing
Eliminates Contingency Overload	X	X	X	X	
Eliminates all PILC from the 11A55 getaway	X		X		
Reduces 11A51-70S load transfer to meet DSEM 05.012		X	X		
New One-Way Tie Created		X	X		
Increase 11A55 MVA	**3.8 MVA**	**N/A**	**3.8 MVA**	**1.6 MVA**	**N/A**
Authorization Type	Partial	Full	Partial	Partial	Partial
Capital Cost	$1,458.2k	$296.7k	$1,754.9k	18,619.3k	$0
Expense Cost	$45.5k	$9.3k	$54.8k	$580.7k	$0
Total Cost	$1,503.7k	$306.0k	$1,809.6k	$19,200k	$0
Total Cost / MVA added	$383.7k/MVA	N/A	$461.8k/MVA	$12,000k/MVA	N/A
Preferred option		X			

Note: The estimates for options 1 and 3 were adjusted by the same ratio as the preferred option 2 to keep estimates consistent.

Option Summary



Option 5 – Do Nothing

[redacted]

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	6/30/2024
100% Detailed Engineering Completion	10/1/2025
Fully Funded	3/5/2026
Construction Start	4/1/2026
In Service Date	6/30/2026

6. Regulatory Decisions

7. Codes and Standards

DSEM 08.321 - Medium Voltage EPR/XLPE Insulated CU Cable Ratings

DSEM 05.012 - Max load transfer 180 Amps

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.	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	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.
2.
3.
4.
5.

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

Attachment	Included in Submittal?
A. Project Authorization Checklist	*YES*
B. Partial PAF	*YES*

Attachment A: Project Authorization Checklist

Project Authorization Checklist

Project Initiator: [redacted]

Project #: CD02473

Project Title [redacted] **Contingency Overload**

Funding Type:

☐ Partial PAF ☒ Full PAF

Project Alternatives:

☒ Options considered ☒ Explanation why alternatives were not selected

☒ NWS 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): Partial PAF

PAF Review Complete:

☒ Lead Reviewed by: [redacted] Date: 3/4/2026

☒ Manager Reviewed by: [redacted] Date: 3/4/2026

Attachment B: Partial PAF

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

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Operations Project Authorization Form

Project Title: [redacted] Contingency Overload	Project Number: CD02473
Date Prepared: 06/05/2024	**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:** No
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: 6/30/2026	
Total Capital Request: $230.8k	**Authorization Type:** Partial Funding

1. Executive Summary

[redacted]

Title: 11A55 Contingency Overload
Division: Western
District: Newtown AWC
Town(s): Danbury

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	9.7	0.0	0.0	9.7
Outside Services	78.6	0.0	0.0	78.6
Materials	39.4	0.0	0.0	39.4
Removals	17.4	0.0	0.0	17.4
Risk and Contingency	1.5	0.0	0.0	1.5
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**146.6**	**0.0**	**0.0**	**146.6**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	79.0	0.0	0.0	79.0
Capitalized interest or AFUDC, if any	5.2	0.0	0.0	5.2
Subtotal – Indirect Costs	**84.2**	**0.0**	**0.0**	**84.2**
Total Gross Capital Costs	**230.8**	**0.0**	**0.0**	**230.8**
Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Total Net Capital Project Costs	**230.8**	**0.0**	**0.0**	**230.8**

Explain unique payment provisions, if applicable:

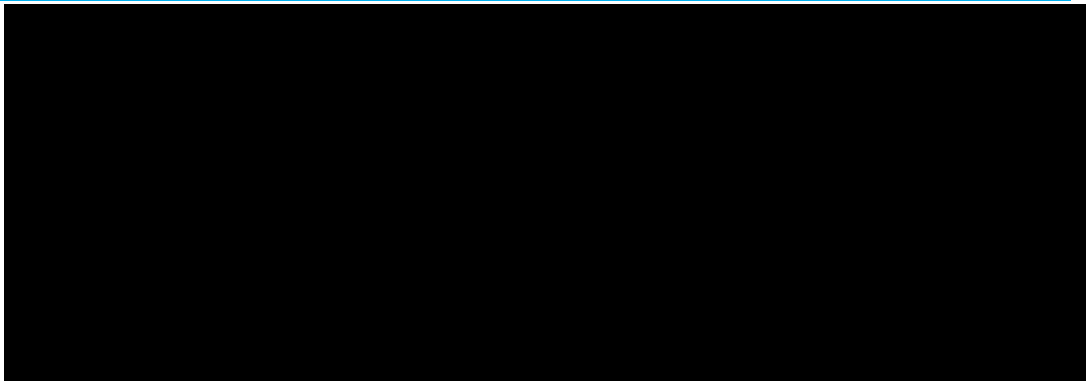
3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background



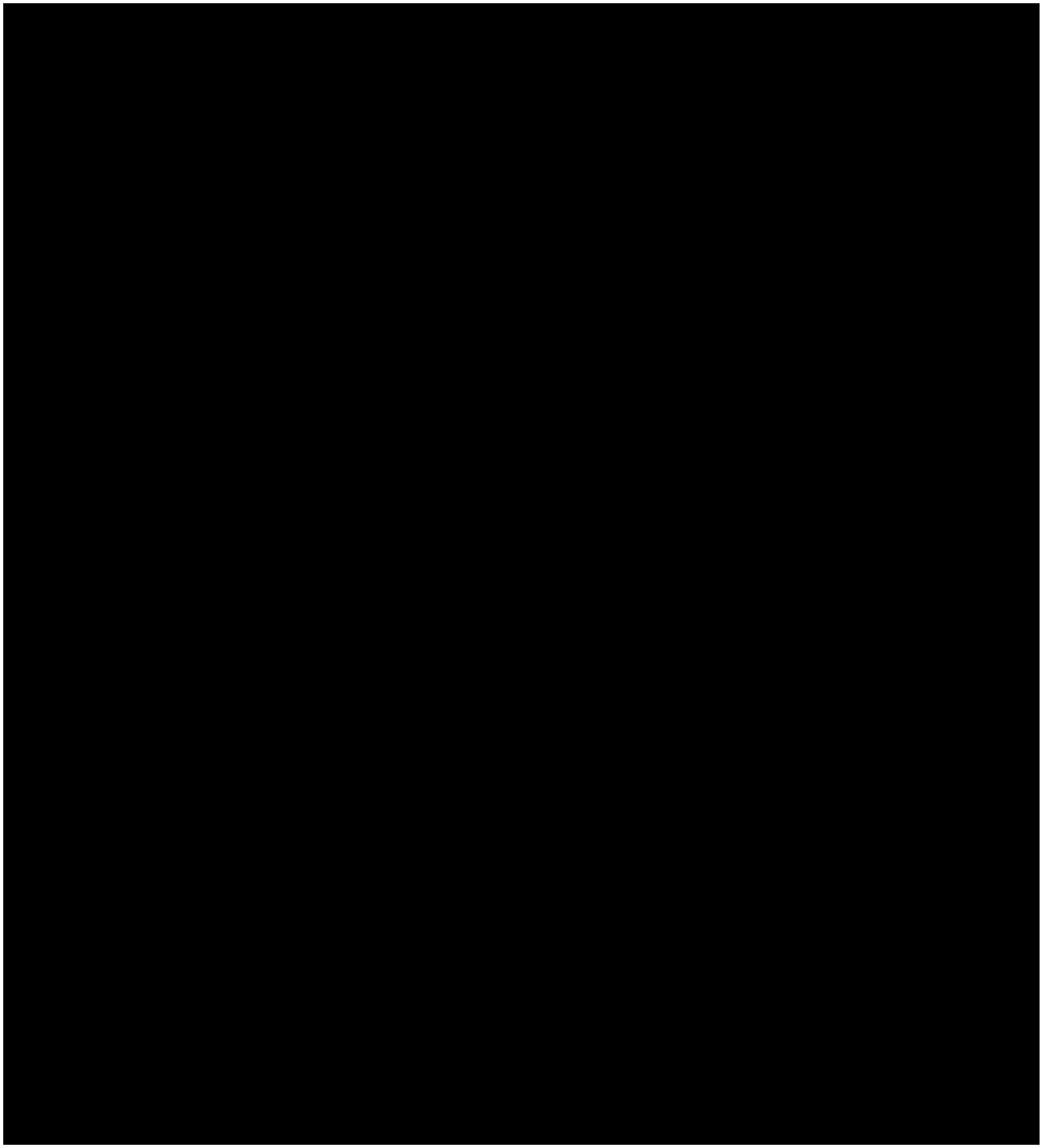
b. Project Need



c. Project Scope



4. Alternatives Considered



Project Option Comparison

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Operations Project Authorization Form

Design Criteria	Option			
[redacted]				
	X	X	X	X
	X		X	
		X	X	
		X	X	
	3.8 MVA	N/A	3.8 MVA	1.6 MVA
Authorization Type	Partial	Partial	Partial	Partial
Capital Cost	$1,134.3k	$230.8k	$1,365.1k	18,619.3k
Expense Cost	$35.4k	$7.2k	$42.6k	$580.7k
Total Cost	$1,169.7k	$238.0k	$1,407.7k	$19,200k
Total Cost / MVA added	$298.5k/MVA	N/A	$359.2k/MVA	$12,000k/MVA
Preferred option		X		

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	6/30/2024
100% Detailed Engineering Completion	10/1/2025
Fully Funded	12/31/2025
Construction Start	1/1/2026
In Service Date	6/30/2026

6. Regulatory Decisions

7. Codes and Standards

DSEM 08.321 - Medium Voltage EPR/XLPE Insulated CU Cable Ratings

DSEM 05.012 - Max load transfer 160 Amps

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.
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	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	Medium	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.

9. References

References
1.
2.
3.
4.
5.

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. Geographic Map	*YES*
C. One-Lines	*YES*
D. UG Manhole Map	*YES*
E. Load Sheet	*YES*
F. Synergi Model	*YES*

A: Cost Estimate

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02473
[redacted] Contingency Overload

Project Option Summary

ID	Description Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	[redacted]	$1,169,695	$0	100%	$0.00	$0.00	☐
O2		$237,981	$0	100%	$0.00	$0.00	☑
O3		$1,407,676	$0	100%	$0.00	$0.00	☐

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02473
[redacted]ontingency Overload

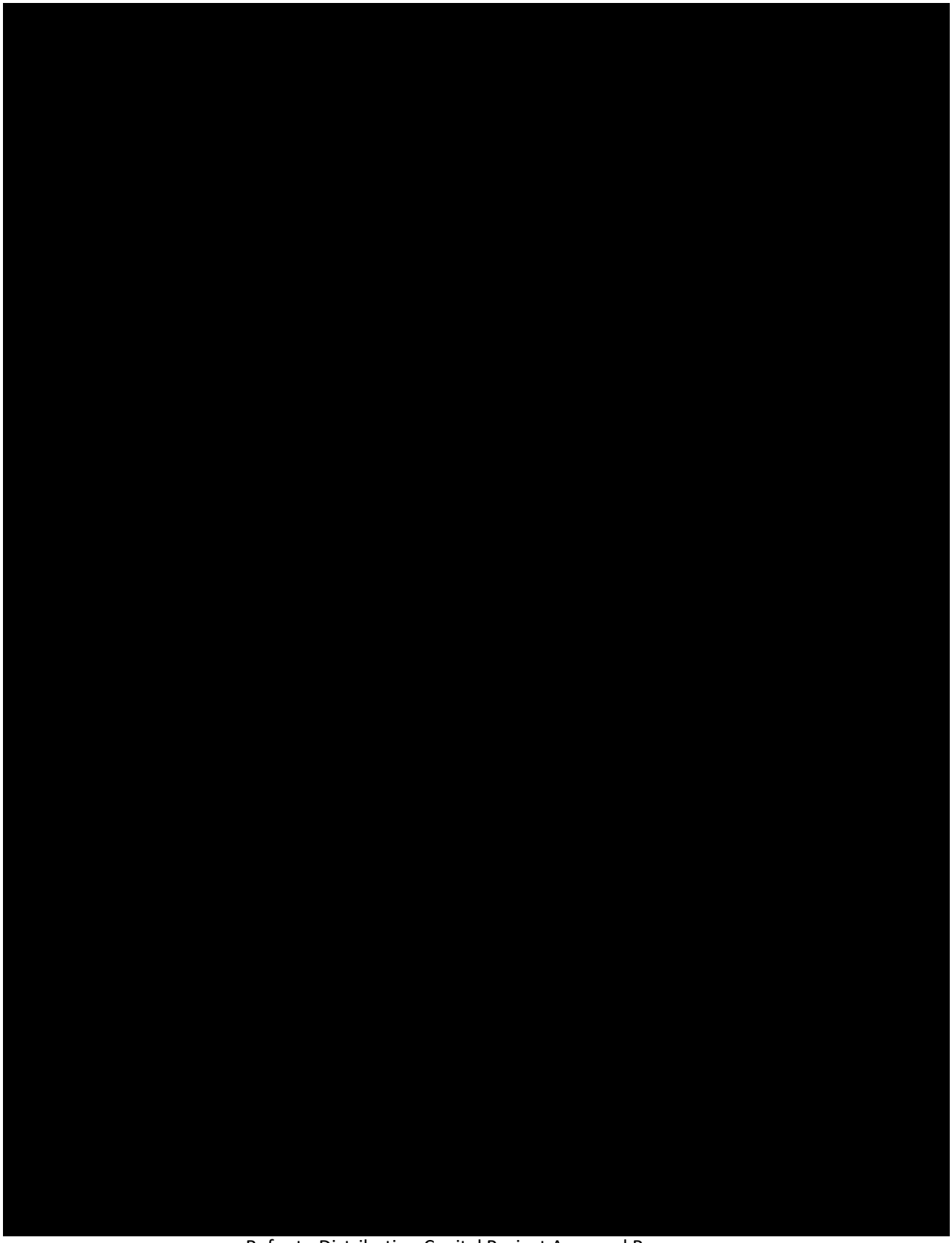
Design Alternative CD02473-03

Estimate

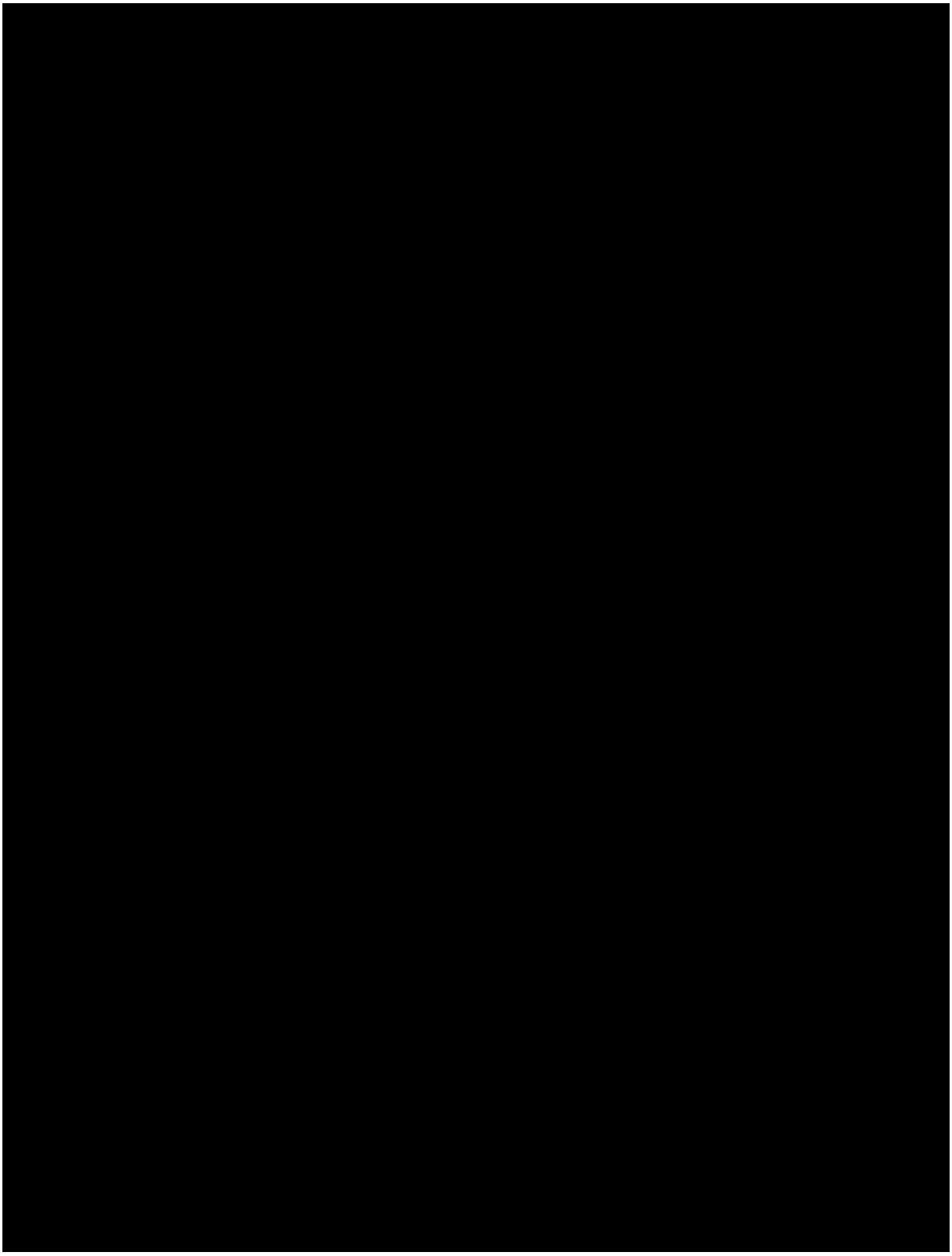
	Preliminary Estimate Summary
Revision Number:	0
Contingency:	28.00%
SubTotal:	$185,923
Contingency Amount:	$52,058
Estimate:	$237,981
Reimbursement:	$0
Net Amount:	**$237,981**
Description:	

Item Description	CU	$ / Per	Qty	Amount
SWITCHING [redacted]	23-ALL17	[redacted]		$18,249.92
OTHER	23-ALL14			$42,900.00
OTHER [redacted]				
SECTIONALIZE [redacted]	23-OH38			$124,772.96

B: Geographic Map – Existing



B: Geographic Map – Option 1



C: OneLine – Existing



C: OneLine – Preferred Option





E: Load Sheet – Existing



E: Load Sheet – Option 1





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Operations Project Authorization Form

Initial PAF

Project Title: [redacted] **Contingency Overload**	**Project Number: CD02473**
Date Prepared: 05/14/2024	**Company:** Eversource CT
Organization: Distribution Engineering	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** OVERLOADS-SPECIFIC PROJECTS
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of 5-year plan?** No
	Emergency Related Request? No
Total Request ($): $30k	**Authorization Type:** Initial Funding

1. Project Need Statement

[redacted]

Title: [redacted] Contingency Overload
Division: Western
District: Newtown AWC
Town(s): Danbury

2. Project Objectives

[redacted]

Project Initiator:___[redacted]_____

Engineering Approval:_____

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