EVERSOURCE

Project Approval Form

Project Title: [redacted]	**Project Number: CD02506**
Date Prepared: 09/04/2024	**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 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: 12/31/2024	
Total Capital Request: $255.5K	**Authorization Type:** Full Funding

1. Executive Summary

Full funding is being requested for this project at a cost of $255.5K which is **147.3%** of the partial funding capital estimate of $173.4K. CD02506 was partially approved on 7/26/2024. There is no scope change on the project. The variance between the full funding and partial funding estimate is due to the following:

- This project ultimately utilized internal labor and construction, which led to increase of $33.6K relative to the partial funding request.
- Outside services were not utilized to complete most of the work, which led to a reduction of approximately $39.8K.
- The cost of materials increased a total of $23.8K, which was due to the contractor's loss of materials.
- An additional $17K in "Risk and Contingency" also contributed to the larger cost reflected in the full funding estimate.
- The cost of Indirects / Allocations increased relative to the internal labor & other direct costs utilized for this job and led to a total increase of $68.4K.

The original project was proposed as follows:

- [redacted]

[redacted]

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

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2024	Total
Direct Capital Costs		
Internal Labor and Construction Equipment	42.6	42.6
Outside Services	2.7	2.7
Materials	64.2	64.2
Removals	8.0	8.0
Risk and Contingency	17.8	17.8
Other	0.0	0.0
Subtotal – Direct Costs	**135.4**	**135.4**
Indirect Capital Costs		
Indirect/Overheads (including benefits)	120.1	120.1
Capitalized interest or AFUDC, if any	0.0	0.0
Subtotal – Indirect Costs	**120.1**	**120.1**
Total Gross Capital Costs	**255.5**	**255.5**
Customer Contribution	0.0	0.0
Total Net Capital Project Costs	**255.5**	**255.5**

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

The only alternative option is to do nothing. [redacted]

Project Option Comparison

	Option	
[redacted]		
Authorization Type	Full	Partial
Capital Cost	$255.5k	$0
Expense Cost	$10.22k	$0
Total Cost	$265.7k	$0
Preferred option	X	

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	7/26/24
100% Detailed Engineering Completion	9/1/24
Construction Start	11/1/24
In Service Date	12/31/24

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2024	Medium	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.	2024	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.	2024	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2024	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2024	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2024	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.

9. References

References
1. CS00261 - [redacted] - Add second bulk Xfmr

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

Attachment	Included in Submittal?
A1. Partial Funding PAF Form	*YES*
A. Cost Estimate	*YES*
B. Geographic Map	*YES*
C. One-Line	*YES*
D. Load Sheet	*YES*
E. Initial Funding PAF	*YES*

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Project Approval Form

Attachment A1: Partial Funding PAF Form

Project Title: [redacted]	**Project Number: CD02506**
Date Prepared: 06/21/2024	**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 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: 12/31/2024	
Total Capital Request: $173.4k	**Authorization Type:** Partial Funding

1. Executive Summary

[redacted]

[redacted]

Division: Western

District: Newtown AWC

Town(s): Newtown

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2024	Year 2025	Year 2026+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	9.0	0.0	0.0	9.0
Outside Services	42.5	0.0	0.0	42.5
Materials	40.4	0.0	0.0	40.4
Removals	29.2	0.0	0.0	29.2
Risk and Contingency	0.8	0.0	0.0	0.8
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**121.8**	**0.0**	**0.0**	**121.8**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	46.3	0.0	0.0	46.3
Capitalized interest or AFUDC, if any	5.4	0.0	0.0	5.4
Subtotal – Indirect Costs	**51.6**	**0.0**	**0.0**	**51.6**
Total Gross Capital Costs	**173.4**	**0.0**	**0.0**	**173.4**
Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Total Net Capital Project Costs	**173.4**	**0.0**	**0.0**	**173.4**

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]
- [redacted]
- [redacted]
- [redacted]

4. Alternatives Considered

The only alternative option is to do nothing. [redacted]

	Option	
[redacted]		
Authorization Type	Partial	Partial
Capital Cost	$173.4k	$0
Expense Cost	$5.4k	$0
Total Cost	$178.8k	$0
Preferred option	X	

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	8/1/24
100% Detailed Engineering Completion	9/1/24
Fully Funded	10/1/24
Construction Start	11/1/24
In Service Date	12/31/24

6. Regulatory Decisions

7. Codes and Standards

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.	2024	Medium	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.	2024	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.	2024	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2024	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2024	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2024	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.

9. References

References
1. CS00261 - [redacted] - Add second bulk Xfmr
2.
3.
4.
5.

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. Geographic Map	*YES*
C. Oneline	*YES*
D. Load Sheet	*YES*
E. Initial Funding PAF	
F.	

Attachment A – Cost Estimate

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: [redacted]

Design Alternative — CD02506-01

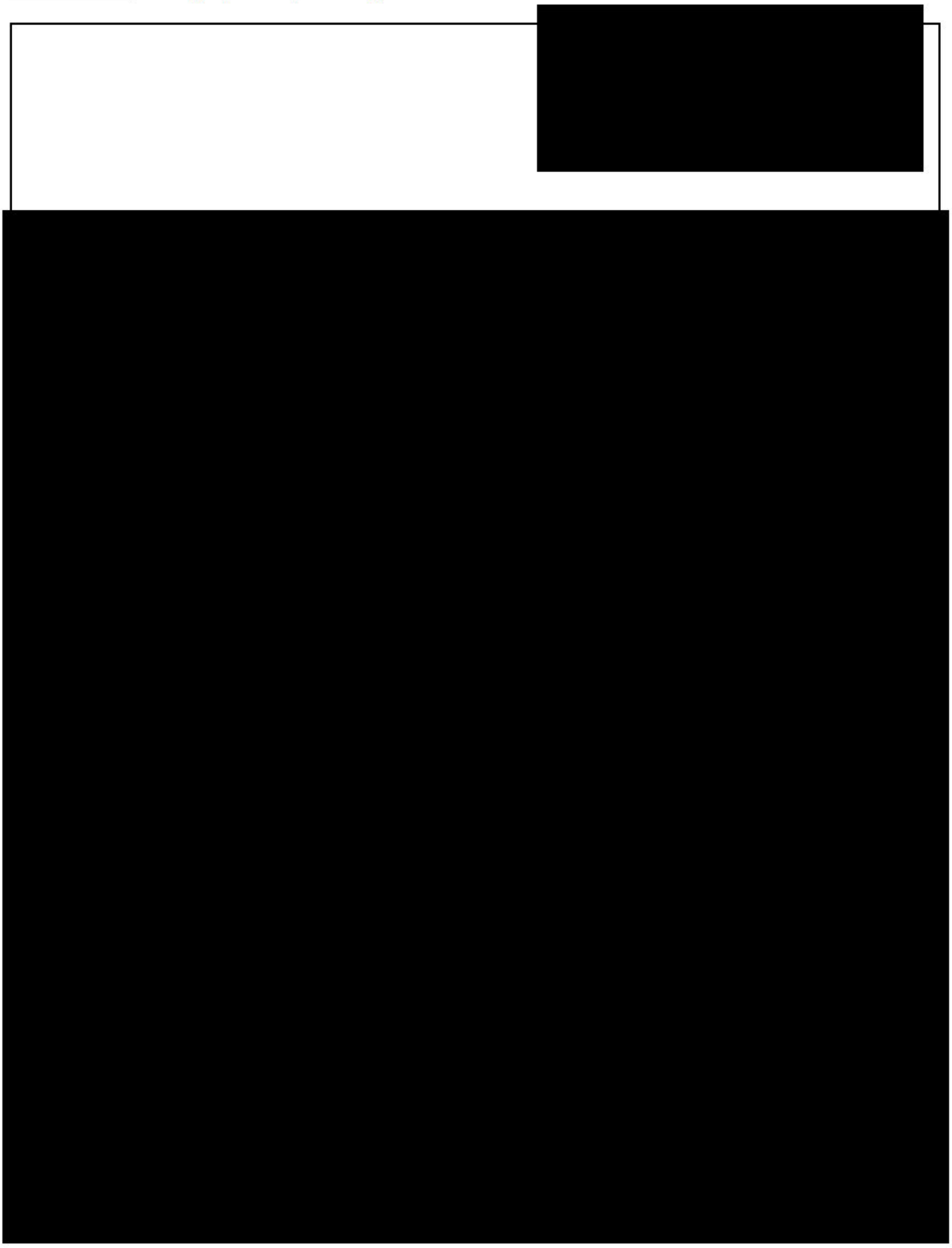
Estimate

Preliminary Estimate Summary

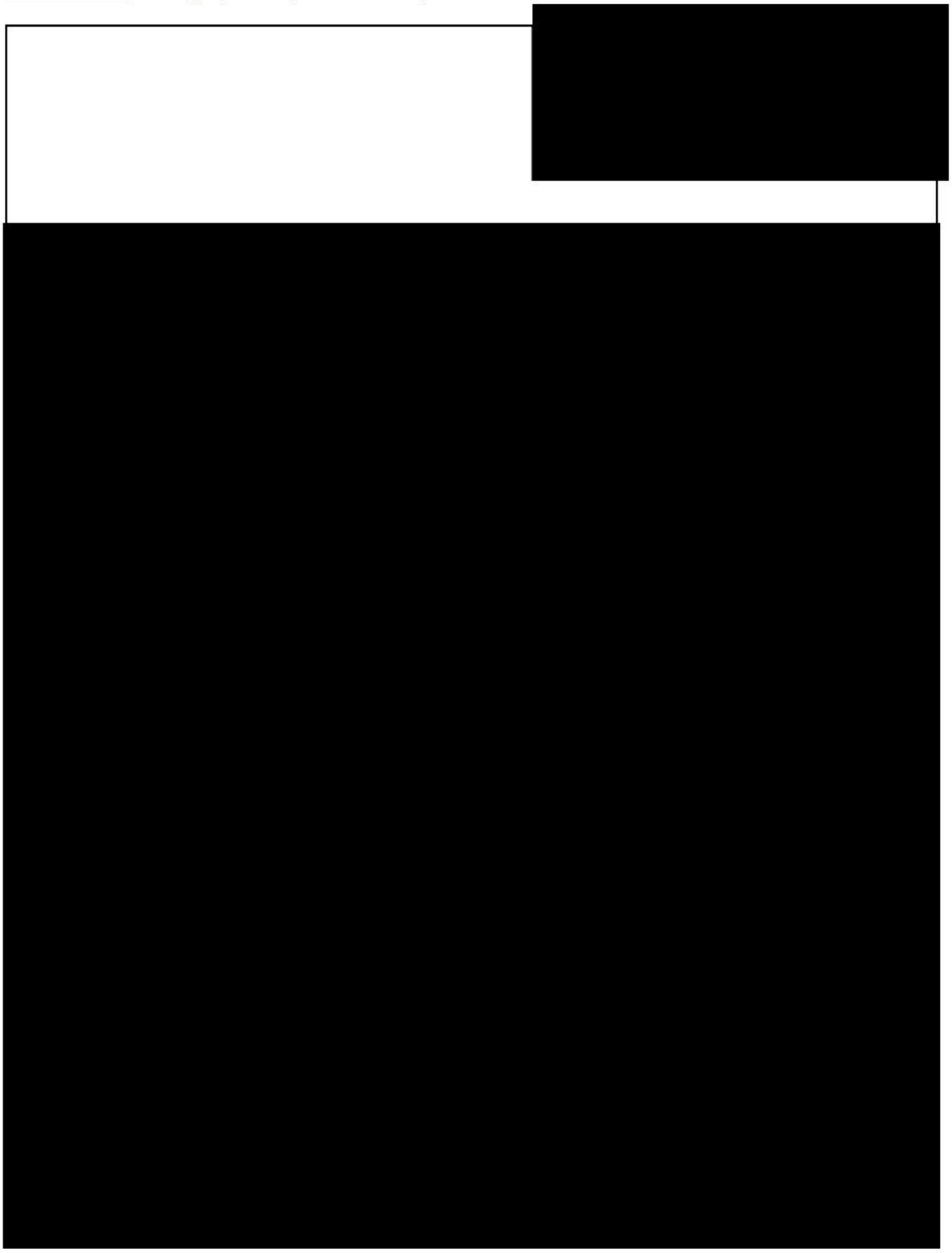
Revision Number:	0
Contingency:	20.00%
SubTotal:	$149,027
Contingency Amount:	$29,805
Estimate:	$178,833
Reimbursement:	$0
Net Amount:	**$178,833**
Description:	

Item Description	CU	$ / Per	Qty	Amount
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Complex	23-ALL16	[redacted]		$18,262.40
SWITCHING OH/DB/UG - SWITCHING NonNetwork - Average	23-ALL17			$9,124.96
OTHER OTHER 12 termination for the feeder tie's (2 feeders)	23-ALL14			$5,600.00
UG CABLE DB/UG - 750/1000 - 3-1/C (3ph) Cu 250' per circuit and extra 50' for switchgear ties	23-UG114B			$68,640.00
OTHER OTHER 30% contractor adder	23-ALL14			$34,400.00
UG CABLE UG - Cable Removal - all cables remove old deenergized cable from old switchgear	23-UG117			$13,000.00

Attachment B – Geographic Map Existing



Attachment B – Geographic Map Preferred Option



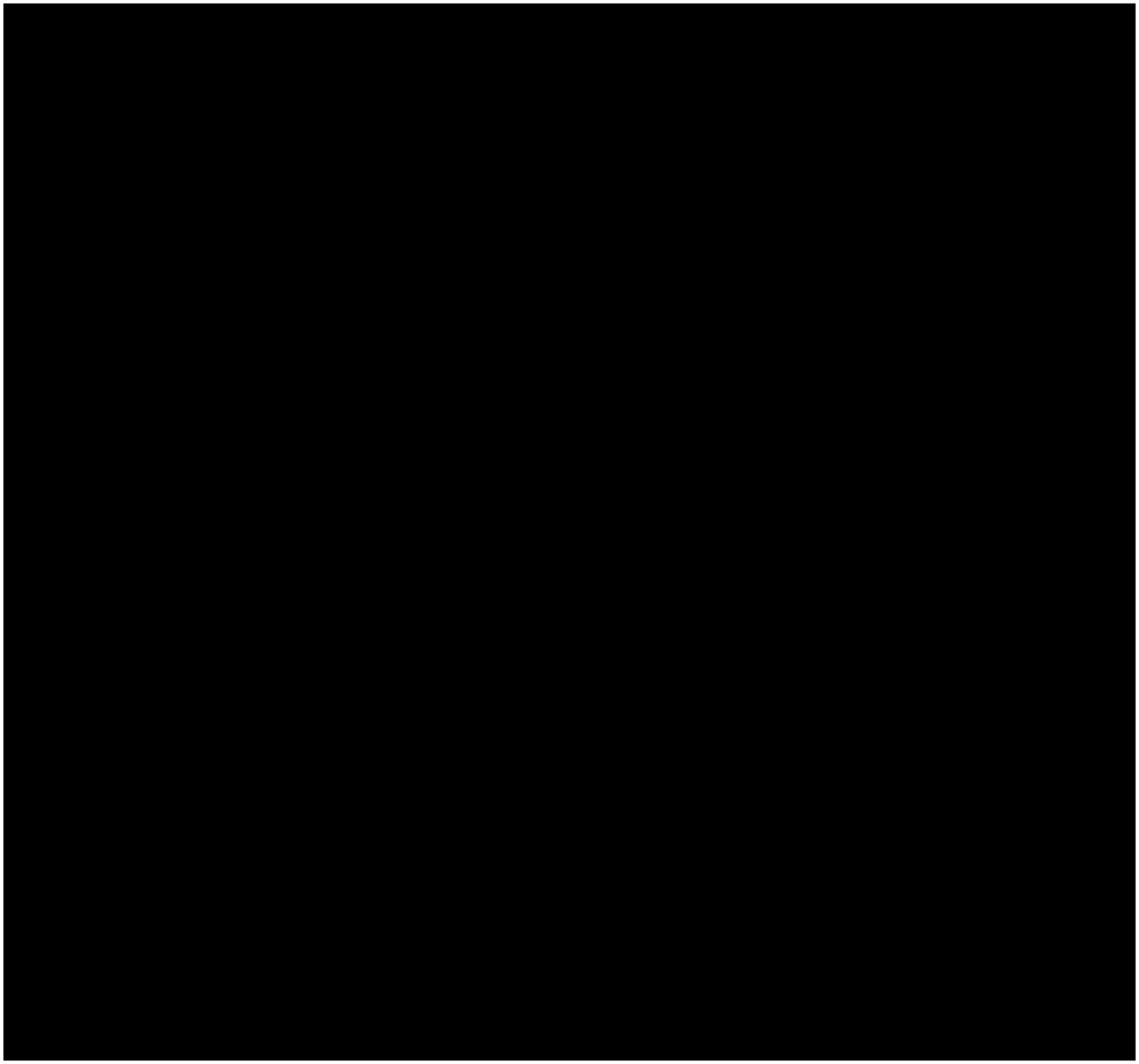
Attachment C – One-Line Existing



Attachment C – Oneline After



Attachment D – Load Sheet Existing



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Project Approval Form

Attachment E – Initial Funding PAF

Project Title: [redacted]	**Project Number: CD02506**
Date Prepared: 06/21/2024	**Company:** Eversource CT
Organization: Distribution Engineering	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** UG CABLE & EQUIPMNT REPLACEMNT
Project Manager: [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]

Division: Western

District: Newtown AWC

Town(s): Newtown

2. Project Objectives

[redacted]

Project Initiator:_____[redacted]_____

Engineering Approval:_____