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Project Approval Form

Project Title: 2025 [redacted] in a commercial area	**Project Number:** CD02685
Date Prepared: 08/20/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** SMART SWITCHES PROGRAM
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: 12/31/25	**NWS Excludable:** ☐ Yes ☒ No
Total Capital Request: $402.3K	**Authorization Type:** Full Funding

1. Executive Summary

CD02685 is being presented for Full Funding.

This is a full funding request is for $402.3K which is 129% partial funding request of $312.0K.

There is no change in scope.

Partial funding request for CD02685

CD02685 addresses a [redacted]

The addition of these reclosers will:

- improve reliability
- allow remote operation capability allowing quicker response to an event
-adds the ability to gather telemetry data, which will help in diagnosing power quality issues

Project Location:

- Division: Central
- District: Cheshire AWC

Major materials: three reclosers.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2025	2026	Year 3+	Total
Internal Labor and Construction Equipment	43.9	0.0	0.0	43.9
Outside Services	0.0	0.0	0.0	0.0
Materials	136.0	0.0	0.0	136.0
Removals	4.9	0.0	0.0	4.9
Risk and Contingency	28.1	0.0	0.0	28.1
Other	0.0	0.0	0.0	0.0
Subtotal	**212.9**	**0.0**	**0.0**	**212.9**

Indirect Capital Costs	2025	2026	Year 3+	Total
Indirects/Overheads (including benefits)	189.4	0.0	0.0	189.4
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal	**189.4**	**0.0**	**0.0**	**189.4**

Total Capital Costs (Gross)	**402.3**	**0.0**	**0.0**	**402.3**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net of Reimbursement)	**402.3**	**0.0**	**0.0**	**402.3**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

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

b. Project Need

- [redacted]

[redacted]

c. Project Scope

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

4. Alternatives Considered

Option 1. [redacted]

Option 2. [redacted]

NWS

NWS Exclusion Criteria (select all that apply)

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

Project Option Comparison

Design Criteria	[redacted]		
Backup for loss of [redacted]			
Add			
All zones < 500 customers			
Additional ties created			
No automatic circuit ties with circuits emanating from the same bus			
Authorization Type	Full	Partial	Partial
Capital Cost	$402.3K	$208.0K	$18.2M
Expense Cost	$17.3K	$9.1K	$.8M
Total Cost	$419.9K	$217.1K	$19.0M
Total Cost / CM Saved	$360/CM	$240/CM	N/A
Total Cost / CI Saved	$29,740/CI	$19,826/CI	N/A
Preferred option	X		

Option Summary

Option 1 is preferred. [redacted]

Option 2 is not selected. [redacted]

Milestone/Phase Name	Estimated Date
Partial Approval	April 2025
100% Detailed Engineering Completion	May 2025
Fully Funded	Aug 2025
Construction Start	Sep 2025
In Service Date	Dec 2025

5. Regulatory Decisions

6. Codes and Standards

7. Risk and Contingencies

Contingencies:

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2025	Medium	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	2025	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.

Internal construction resources not available to perform the work.	2025	Medium	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	2025	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2025	Medium	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2025	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	2025	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	2025	Low	Use of mats and specialty equipment, only work during certain times of the year.

8. References

References
1.
2.
3.

4.
5.

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. Geographic Maps	*YES*
C. System and Station One-Lines	*YES*
D. Load Summary	*YES*
E. Initial PAF	*YES*
F. Partial PAF	*YES*

A. Cost Estimate

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02685 [redacted]

Work Classification

Category: Line
Type: SRSS
Type Desc: SMART SWITCHES PROGRAM
Work Type:

Ownership / Management

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

Project Information

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

Budget Summary - Preferred Option

Install 3-Reclosers down stream of [redacted]

2025 ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	[redacted]	Prelim	0	20%	$325,657	$325,657
				2025 Total:	$325,657	$325,657
				Total Project:	$325,657	$325,657

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A Northeast Utilities Company

Specific Project Proposal - Project #: CD02685

4A10 Install 3 reclosers

Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	[redacted]	1	$325,657	$0	100%	$387.74	$360.23	☑
O2		2	$217,103	$0	100%	$258.50	$240.16	☐

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	[redacted]	$325,657			$387.34	$359.86
2		$217,103			$258.23	$239.91

Design Alternative CD02685-01

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	20.00%
SubTotal:	$271,380
Contingency Amount:	$54,276
Estimate:	$325,657
Reimbursement:	$0
Net Amount:	**$325,657**

Description:

Item Description	CU	[redacted]	Amount
OTHER OTHER 15% police	23-ALL14		$28,073.00
OTHER OTHER 30% contractor adder	23-ALL14		$56,148.00
SECTIONALIZE OH - Recloser - 3ph MR pole [redacted]	23-OH38		$62,386.48
SECTIONALIZE OH - Recloser - 3ph SR pole 4308 Hyde Rd	23-OH38		$62,386.48
SECTIONALIZE OH - Recloser - 3ph TR pole 17346	23-OH38		$62,386.48

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02685 [redacted]

Design Alternative CD02685-02

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	20.00%
SubTotal:	$180,919
Contingency Amount:	$36,184
Estimate:	$217,103
Reimbursement:	$0
Net Amount:	**$217,103**
Description:	

Item Description	CU	Amount
OTHER OTHER 15% police	23-ALL14	$18,715.00
OTHER OTHER 30% contractor adder	23-ALL14	$37,431.00
SECTIONALIZE OH - Recloser - 3ph SR pole [redacted]	23-OH38	$62,386.48
SECTIONALIZE OH - Recloser - 3ph TR pole 17346	23-OH38	$62,386.48

[redacted]

B. Geographic Map,
Before







After Option 2

[redacted]

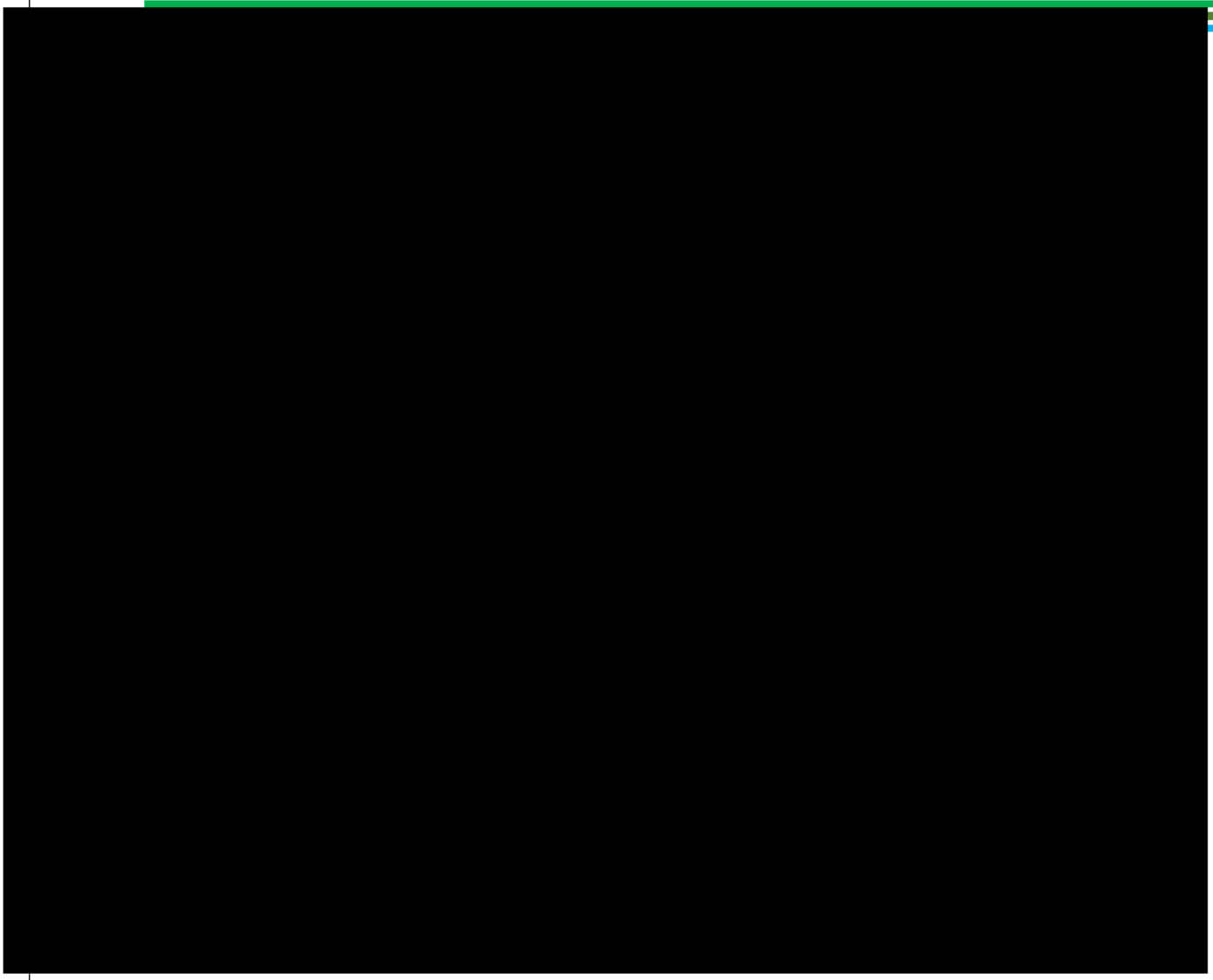
C. System and Station One-Lines



[redacted]

[redacted]





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E. Initial PAF:

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Project Approval Form

Project Title: [redacted] in a commercial area	**Project Number:** CD02685
Date Prepared: 03/27/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** SMART SWITCHES PROGRAM
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

Project CD02685 was established to address [redacted]

Project Location

a. Division: Central

2. Project Objectives

[redacted]

Project Initiator: Robert Jurczyszak

Engineering Approval: [redacted]

F. Partial PAF:

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Project Approval Form

Project Title: 2025 [redacted] in a commercial area	**Project Number:** CD02685
Date Prepared: 03/27/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** SMART SWITCHES PROGRAM
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: 12/31/25	**NWS Excludable:** ☐ Yes ☒ No
Total Capital Request: $312.0K	**Authorization Type:** Partial Funding

1. Executive Summary

CD02685 is being presented for Partial Funding.

[redacted]

The addition of these reclosers will:

- improve reliability
- allow remote operation capability allowing quicker response to an event
- adds the ability to gather telemetry data, which will help in diagnosing power quality issues

Project Location:

- Division: Central
- District: Cheshire AWC

Major materials: three reclosers.

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2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2025	2026	2027+	Total
Internal Labor and Construction Equipment	17.0	0.0	0.0	17.0
Outside Services	34.9	0.0	0.0	34.9
Materials	162.0	0.0	0.0	162.0
Removals	18.6	0.0	0.0	18.6
Other	0.8	0.0	0.0	0.8
Risk and Contingency	0.0	0.0	0.0	0.0
Subtotal	**233.3**	**0.0**	**0.0**	**233.3**

Indirect Capital Costs				
Indirects/Overheads (including benefits)	75.0	0.0	0.0	75.0
Capitalized interest or AFUDC, if any	3.7	0.0	0.0	3.7
Subtotal	**78.7**	**0.0**	**0.0**	**78.7**
Total Capital Costs (Gross)	**312.0**	**0.0**	**0.0**	**312.0**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net)	**312.0**	**0.0**	**0.0**	**312.0**

Explain unique payment provisions, if applicable:

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3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

[redacted]

b. Project Need

[redacted]

Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

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c. Project Scope

[redacted]

4. Alternatives Considered

[redacted]

NWS Exclusion Criteria (select all that apply)

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

Project Option Comparison

Design Criteria	Option		
	1 – install 3-reclosers	2-install 2-reclosers	3-NWS
Required to meet project need			

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Backup for loss of [redacted]	X	X	X
Additional Benefits (not required to meet scope of project)			
All zones < 500 customers	X	X	
Additional ties created	1	1	
No automatic circuit ties with circuits emanating from the same bus	X	X	X
Authorization Type	Partial	Partial	Partial
Capital Cost	$312K	$208.0K	$18.2M
Expense Cost	$15.7K	$9.1K	$.8M
Total Cost	$325.7K	$217.1K	$19.0M
Total Cost / CM Saved	$360/CM	$240/CM	N/A
Total Cost / CI Saved	$29,740/CI	$19,826/CI	N/A
Preferred option	X		

Option Summary

[redacted]

Milestone/Phase Name	Estimated Date
Partial Approval	April 2025
100% Detailed Engineering Completion	May 2025

Project Approval Form

Milestone/Phase Name	Estimated Date
Fully Funded	June 2025
Construction Start	July 2025
In Service Date	Dec 2025

5. Regulatory Decisions

6. Codes and Standards

7. Risk and Contingencies

Contingencies:

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2025	Medium	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	2025	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2025	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.

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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	2025	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2025	Medium	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2025	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	2025	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	2025	Low	Use of mats and specialty equipment, only work during certain times of the year.

8. References

References
1.
2.
3.
4.
5.

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

Attachment	Included in Submittal?
A. Cost Estimate	YES
B. Geographic Maps	YES
C. System and Station One-Lines	YES
D. Load Summary	YES
E. Initial PAF	YES

A. Cost Estimate

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02685 [redacted]

Work Classification

Category: Line
Type: SRSS
Type Desc: SMART SWITCHES PROGRAM
Work Type:

Ownership / Management

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

Project Information

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

Budget Summary - Preferred Option

Install 3-Reclosers down stream of [redacted]

2025

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	[redacted]	Prelim	0	20%	$325,657	$325,657
				2025 Total:	$325,657	$325,657
				Total Project:	$325,657	$325,657

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Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02685

[redacted]

Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	[redacted]	1	$325,657	$0	100%	$387.74	$360.23	☑
O2	[redacted]	2	$217,103	$0	100%	$258.50	$240.16	☐

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	[redacted]	$325,657			$387.34	$359.86
2		$217,103			$258.23	$239.91

Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

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Design Alternative CD02685-01

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	20.00%
SubTotal:	$271,380
Contingency Amount:	$54,276
Estimate:	$325,657
Reimbursement:	$0
Net Amount:	**$325,657**

Description:

Item Description	CU	[redacted]	Amount
OTHER OTHER 15% police	23-ALL14		$28,073.00
OTHER OTHER 30% contractor adder	23-ALL14		$56,148.00
SECTIONALIZE OH - Recloser - 3ph MR pole [redacted]	23-OH38		$62,386.48
SECTIONALIZE OH - Recloser - 3ph SR pole [redacted]	23-OH38		$62,386.48
SECTIONALIZE OH - Recloser - 3ph TR [redacted]	23-OH38		$62,386.48

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Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02685

Design Alternative CD02685-02

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	20.00%
SubTotal:	$180,919
Contingency Amount:	$36,184
Estimate:	$217,103
Reimbursement:	$0
Net Amount:	**$217,103**
Description:	

Item Description	CU	Amount
OTHER OTHER 15% police	23-ALL14	$18,715.00
OTHER OTHER 30% contractor adder	23-ALL14	$37,431.00
SECTIONALIZE OH - Recloser - 3ph SR pole [redacted]	23-OH38	$62,386.48
SECTIONALIZE OH - Recloser - 3ph TR pole [redacted]	23-OH38	$62,386.48

Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

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Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

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Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

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[redacted]

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JA-AM-2001-B, Rev.5

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Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

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[redacted]

Refer to Distribution Capital Project Approval Process
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Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

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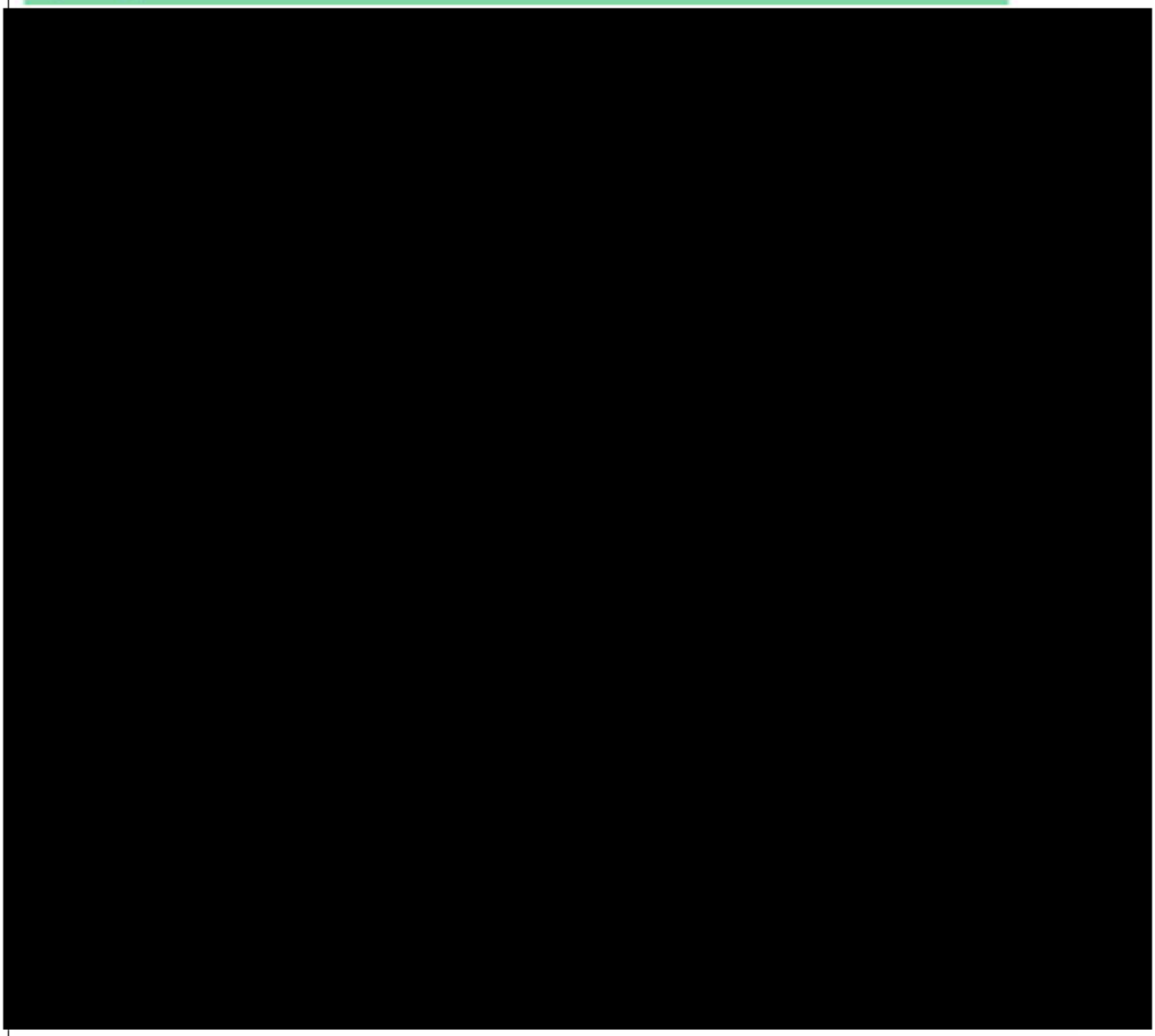

Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.5

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JA-AM-2001-B, Rev.5

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JA-AM-2001-B, Rev.5

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E. Initial PAF:

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Project Approval Form

Project Title: [redacted] in a commercial area	**Project Number:** CD02685
Date Prepared: 03/27/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** SMART SWITCHES PROGRAM
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

Project CD02415 was established to [redacted]

Project Location

a. Division: Central

2. Project Objectives

[redacted]

Project Initiator: [redacted]

Engineering Approval: [redacted]

1

Refer to Distribution Capital Project Approval Process
JA-AM-2001-B, Rev.4