EVERSOURCE

Operations Project Authorization Form

Project Title: 2025 Central ROW Priority 3 poles	**Project Number:** CD02376
Date Prepared: 01/13/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** RIGHT OF WAY LINES
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: 12/31/2026	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: $4,486K	**Authorization Type:** Full Funding

1. Executive Summary

Full funding is being requested for this project at a cost of $4,485.6K which is 95% of the approved Partial funding of $4,714K.

The project was presented to address 103 priority 3 damages found during ROW drone inspections in 2020. This project is a spin-off from a previous project – CD01866.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2023 Actual	2024 Actual	2025 Actual	2026 Estimate	Total
Internal Labor and Construction Equipment	14.9	-0.8	0.5	216.1	230.8
Outside Services	430.9	272.1	0.0	603.4	1,306.5
Materials	301.2	32.6	12.1	382.1	727.9
Removals	0.0	0.0	0.0	0.0	0.0
Risk and Contingency	0.0	0.0	0.0	204.4	204.4
Other	0.1	0.0	0.0	0.0	0.1
Subtotal	**747.1**	**303.9**	**12.6**	**1,406.1**	**2,469.7**

Indirect Capital Costs	2023 Actual	2024 Actual	2025 Actual	2026 Estimate	Total
Indirects/Overheads (including benefits)	348.2	113.4	-44.0	1,524.4	1,941.9
Capitalized interest or AFUDC, if any	15.5	55.9	2.6	0.0	74.1
Subtotal	**363.7**	**169.3**	**-41.4**	**1,524.4**	**2,015.9**
Total Capital Costs (Gross)	**1,110.8**	**473.2**	**-28.8**	**2,930.4**	**4,485.6**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net of Reimbursement)	**1,110.8**	**473.2**	**-28.8**	**2,930.4**	**4,485.6**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

Due to accessibility issues at times, ROW line faults usually take quite a while to be repaired. ROW faults at the very least usually place a lot of customers in 'single contingency' – if not causing a complete outage. Drone inspections captured defects that often times are not easily seen from the ground. The priority 3 defects pose a threat to the affected circuit's reliability.

b. Project Need

The priority 3 damages from the Drone Inspection need to be proactively addressed to prevent future outages on circuits. This project will address 103 locations in 2025/2026 while a different project will address the remaining locations.

c. Project Scope

The scope of this project will include detailed engineering designs to include accessing the ROW (defining entry points, creating roads, clear cutting brush, installing matting etc.), environmental mitigation, railroad permitting, landowner consent, tree trimming. If / when extensive is work is needed to access the pole, the work orders will include changing out any Priority 4/5 or newly identified damaged poles along the access route. All ROW poles will be replaced with a Class 1 or larger steel poles.

4. Alternatives Considered

NWS

NWS Exclusion Criteria (select all that apply)

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

*Maintenance, Asset condition or safety related justification: Priority 3 ROW damages

Project Option Comparison

Design Criteria	Option	
	Repair P3 Damages	
Normal loads < 80% of UG rating	X	
Normal loads < 90% of OH rating	X	
Contingent loads < 100% of rating		
All zones < 500 customers	N/A	
Additional ties created	N/A	
Eliminates PILC	N/A	
Reconfigure double circuit pole lines where both the normal and alternate supply the same group of customers	N/A	
No automatic circuit ties with circuits emanating from the same bus	N/A	
Eliminate triple circuit pole line	N/A	
Authorization Type	Full	
Capital Cost	$4,485.6K	
Expense Cost	$192.6K	
Total Cost	$4,678.2K	
Total Cost / MVA added	$/MVA	
Total Cost / CM Saved	$/CM	
Total Cost / CI Saved	$/CI	
Preferred option	X	

5. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	April 2024
100% Detailed Engineering Completion	September 2024
Fully Funded	January 2026
In Service Date	December 2026

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2025	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	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.
Wetlands / Environmentally sensitive area	2025	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1. N/A

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

Attachment	Included in Submittal?
A. Partial Funding PAF	*YES*

Attachment A: Partial Funding PAF

Project Title: 2025 Central ROW Priority 3 poles	**Project Number:** CD02376
Date Prepared: 02/28/2024	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** Lines - ROW
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** Yes
Project Manager: [redacted]	**Emergency Related Request?** Choose an item
Project Sponsor: [redacted]	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Required in service date: 12/31/2025	
Total Capital Request: $4,714K	**Authorization Type:** Partial Funding

1. Executive Summary

This project evolved from statewide project CD01866, which was approved in 2022. Statewide project CD01866 is being broken up into 3 divisional projects: Eastern, Central, and Western; This project, CD02376, is the Central division portion of CD01866.

Approximately 500 linear miles of Distribution ROW were inspected by drones in Connecticut. The damage found was recorded and prioritized. This project is being presented to secure funding to address 143 Central division Priority 3 findings, 40 of which were replaced in 2023 under statewide project CD01866 and transferred to this project, CD02376. The 40 locations were completed before CD01866 was deferred and broken up into 3 divisional projects. The remaining 103 locations will be completed in 2025. The Priority 1 and Priority 2 poles were addressed in 2021 under project CD01678.

The drone inspections produced 4,765 findings mostly associated with broken / rotted poles and crossarms. All these locations were reviewed by Eversource's engineers, and the prioritization was verified and/or corrected. Priority 3 ranking was given to 502 locations which included 270 in the Central region.

The table below reflects the 143 Central division locations planned to be funded by this project, CD02376:

Row Labels	2022	2025	2026	Grand Total
Central	97	143	30	270
Eastern	79	55	44	178
Western	18	2	34	54
Grand Total	194	200	108	502

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2023	2024	2025+	Total
Internal Labor and Construction Equipment	46.3	14.8	140.0	201.0
Outside Services	381.5	121.7	1,154.3	1,657.5
Materials	152.2	48.5	460.6	661.3
Removals	137.6	43.9	416.3	597.7
Other	3.1	1.0	9.3	13.4
Risk and Contingency	0.0	0.0	0.0	0.0
Subtotal	**720.7**	**229.8**	**2,180.5**	**3,131.0**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	347.1	110.7	1,050.4	1,508.2
Capitalized interest or AFUDC, if any	17.3	5.5	52.2	75.0
Subtotal	**364.4**	**116.2**	**1,102.6**	**1,583.2**
Total Capital Costs (Gross)	**1,085.1**	**346.0**	**3,283.1**	**4,714.2**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net)	**1,085.1**	**346.0**	**3,283.1**	**4,714.2**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

Due to accessibility issues at times, ROW line faults usually take quite a while to be repaired. ROW faults at the very least usually place a lot of customers in 'single contingency' – if not causing a complete outage. Drone inspections captured defects that often times are not easily seen from the ground. The priority 3 defects pose a threat to the affected circuit's reliability.

b. Project Need

The priority 3 damages from the Drone Inspection need to be proactively addressed to prevent future outages on circuits. The damages will be addressed in 2022, 2025 and 2026. Project CD01753 addressed 97 locations in 2022. This project will address 143 locations in 2025 while a different project will address the remaining 30 locations in 2026.

c. Project Scope

ROW inspection data collected by 2020 inspection yielded the scope of work for this project. WRs will be written to correct 143 Priority 3 defects in the Central region this year. The scope of this project will include detailed engineering designs to include accessing the ROW (defining entry points, creating roads, clear cutting brush, installing matting etc.), environmental mitigation, railroad permitting, landowner consent, tree trimming. If / when extensive is work is needed to access the pole, the work orders will include changing out any Priority 4/5 or newly identified damaged poles along the access route. All ROW poles will be replaced with a Class 1 or larger steel poles.

4. Alternatives Considered

Although doing nothing may be considered an option, due to the identified condition of the poles in the ROW action is required to repair and/or replace.

5. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	April 2024
100% Detailed Engineering Completion	September 2024
Fully Funded	September 2024
Construction Start	April 2025
In Service Date	December 2025

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2025	Low	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
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Wetlands / Environmentally sensitive area	2025	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1. N/A

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*

Attachment A: Cost Estimate

Estimate

	Preliminary Estimate Summary
Revision Number:	1
Contingency:	28.00%
SubTotal:	$3,892,137
Contingency Amount:	$1,089,798
Estimate:	$4,981,935
Reimbursement:	$0
Net Amount:	**$4,981,935**
Description:	

Item Description	CU	[redacted]	Amount
OTHER	16-ALL14		$3,892,137.00
OTHER Estimated cost for 143 P3 corrections			