EVERSOURCE

# Project Approval Form

| | |
|---|---|
| **Project Title:** [redacted] | **Project Number:** CD02544 |
| **Date Prepared:** 04/24/2025 | **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:** 12/31/25 | **NWS Excludable:** ☒ Yes ☐ No |
| **Total Capital Request:** $750k | **Authorization Type:** Full Funding |

## 1. Executive Summary

CD02544 is being presented for Full Funding. Partial Funding was presented and approved for $643k on 8/19/24. The variance between the full funding and partial is due to a 54% increased of Indirect Capital Cost from $216K (Partial PAF) to $332.1 (Full Funding). Therefore, the full funding request is for $750K.

[redacted]

Towns of Windham, Columbia, Colchester, and Lebanon
AWC East Hampton
Eastern Region

## 2. Project Cost Summary

Note: Dollar values are in thousands.

| Capital Costs | 2025 | 2026 | 2027 | Total |
|---|---|---|---|---|
| Internal Labor and Construction Equipment | 41.9 | 0.0 | 0.0 | 41.9 |
| Outside Services | 202.2 | 0.0 | 0.0 | 202.2 |
| Materials | 75.3 | 0.0 | 0.0 | 75.3 |
| Removals | 45.9 | 0.0 | 0.0 | 45.9 |
| Risk and Contingency | 52.3 | 0.0 | 0.0 | 52.3 |
| Other | 0.0 | 0.0 | 0.0 | 0.0 |
| **Subtotal** | **417.6** | **0.0** | **0.0** | **417.6** |

| Indirect Capital Costs | 2025 | 2026 | 2027 | Total |
|---|---|---|---|---|
| Indirects/Overheads (including benefits) | 332.1 | 0.0 | 0.0 | 332.1 |
| Capitalized interest or AFUDC, if any | 0.0 | 0.0 | 0.0 | 0.0 |
| **Subtotal** | **332.1** | **0.0** | **0.0** | **332.1** |
| | | | | |
| **Total Capital Costs (Gross)** | **749.7** | **0.0** | **0.0** | **749.7** |
| | | | | |
| Less Total Customer Contribution | **0.0** | **0.0** | **0.0** | **0.0** |
| | | | | |
| **Project Costs (Net of Reimbursement)** | **749.7** | **0.0** | **0.0** | **749.7** |

Explain unique payment provisions, if applicable:

# 3. Technical Justification

## Background

[redacted]

## Project Need

[redacted]

### Project Scope

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

# 4. Alternatives Considered

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

[redacted]

Option 1(Preferred):

- This is the preferred option because it improves reliability of the R.O.W. by selecting and replacing aging distribution assets that have reached the end of its service life at the best value and return on investment.

Option 2:

- Option 2 will encompass the work of option 1 [redacted]

Project Option Comparison

| [redacted] | |
|---|---|
| | |
| | |
| | |
| | |
| | t) |
| | |
| | |
| | |

[redacted]

| | | | |
|---|---|---|---|
| Capital Cost | $750K | $752K | |
| Expense Cost | $24,750 | $32K | |
| Total Cost | $774,750 | $784k | |
| Preferred option | X | | |

## 5. Project Schedule

Add any additional milestones that are pertinent to the project

| Milestone/Phase Name | Estimated Date |
|---|---|
| Partial Approval | 10/31/2024 |
| 100% Detailed Engineering Completion | 2/31/2025 |
| Fully Funded | 4/24/2025 |
| Construction Start | 5/1/2025 |
| In Service Date | 12/31/2025 |

## 6. Regulatory Decisions

## 7. Codes and Standards

8. DTR 10.793 Steel Pole Construction 2-2-2
9. DTR 10.821 3 poles Double Dead-End
10. DTR 10.824 Tangent H-Frame 4-2 Construction.
11. DTR 16.613 Lighting Arrester Guide

# 12. 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 | High/Medium/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 | High/Medium/Low | Design to minimize customer impact. Project Preplanning and customer/community outreach. |
| Internal construction resources not available to perform the work. | 2025 | High/Medium/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 | High/Medium/Low | Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost. |
| Materials Shortage or long lead times | 2025 | High/Medium/Low | Pre-order long lead time material; minimize the use of non-standard and non-stocked material. |
| Storm delays | 2025 | High/Medium/Low | If storm activity delays work, we may be forced to use external resources. |
| System abnormal configuration | 2025 | High/Medium/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 | High/Medium/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 | High/Medium/Low | Use of mats and specialty equipment, only work during certain times of the year. |

## 13. References

| References |
|---|
| 1. . CD02377 2025 Eastern ROW Priority 3 poles. |
| 2. |
| 3. |
| 4. |
| 5. |

## 14. Attachments (One Line Diagrams, Images, etc.)

| Attachment | Included in Submittal? |
|---|---|
| A. Cost Estimate | *YES* |
| B. P6 Schedule | *NO* |
| C. Geographic Map | *YES* |
| D. System and Station One-Lines | *YES* |
| E. Other | |
| F. | |

**14S32 and 14S37 ROW work**

12 pole replacements

7 locations need Rock Drilling

5 locations need mowing.

2 locations need matting 200 feet and 600 feet.

1 location need gravel to repair road and mowing.

[redacted]

3 locations need to be climbed.

1 location needs brush removal 500 feet.

1 location needs mowing 300 feet.

[redacted]

2 locations need mowing 300 feet.

[redacted]

A. Cost Estimate

AIS Score: Patrol Find ID:

**Budget Summary - Preferred Option** Rebuilding ROW

**2026**

| ID | Title | Status | Rev # | Contingency | Expenditure Amount | Net Estimate |
|---|---|---|---|---|---|---|
| 1 | Rebuilding 27.6 kV ROW | Prelim | 0 | 28% | $670,835 | $670,835 |
| | | | | **2026 Total:** | **$670,835** | **$670,835** |
| | | | | **Total Project:** | **$670,835** | **$670,835** |

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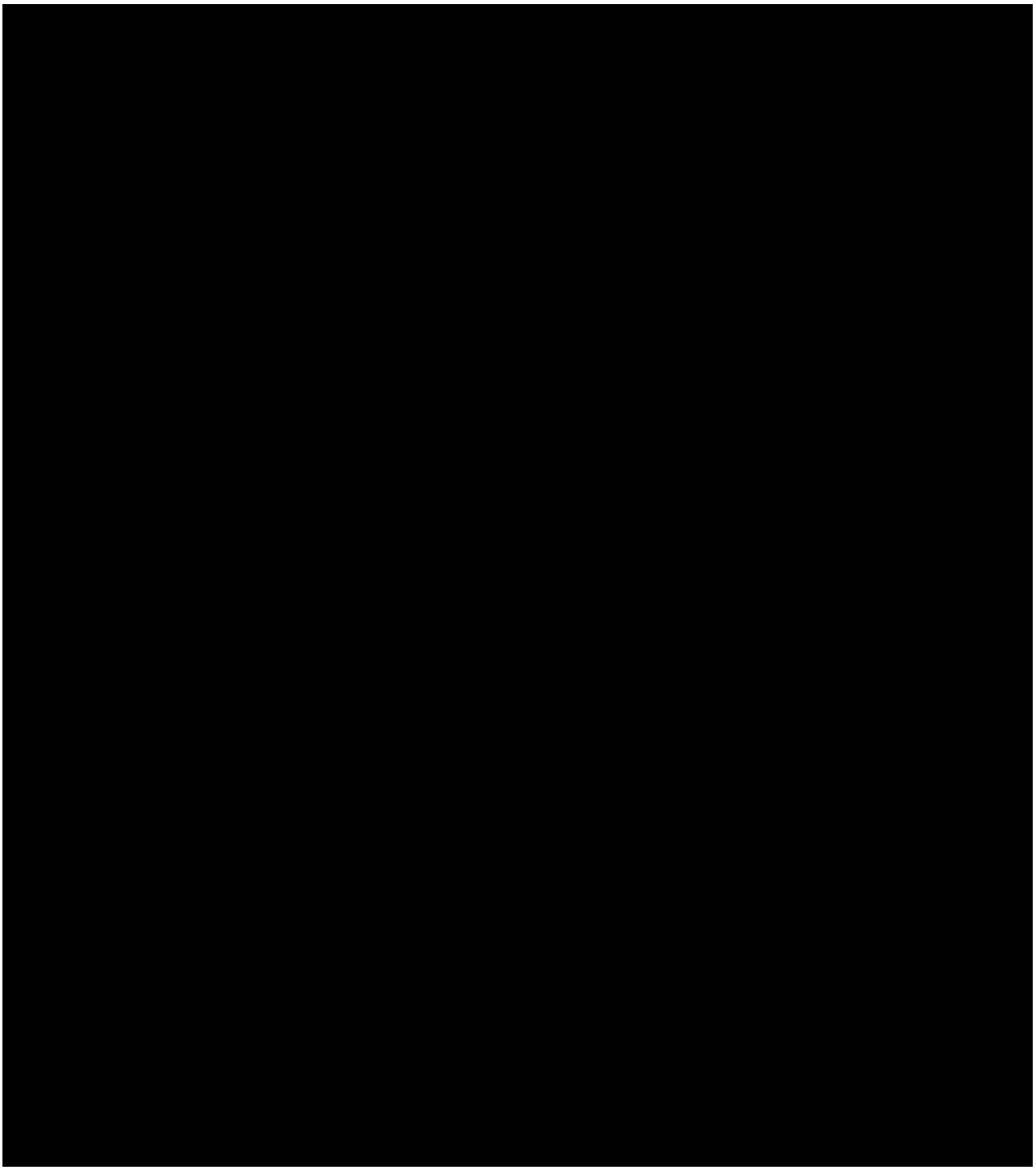
B. System One-Line

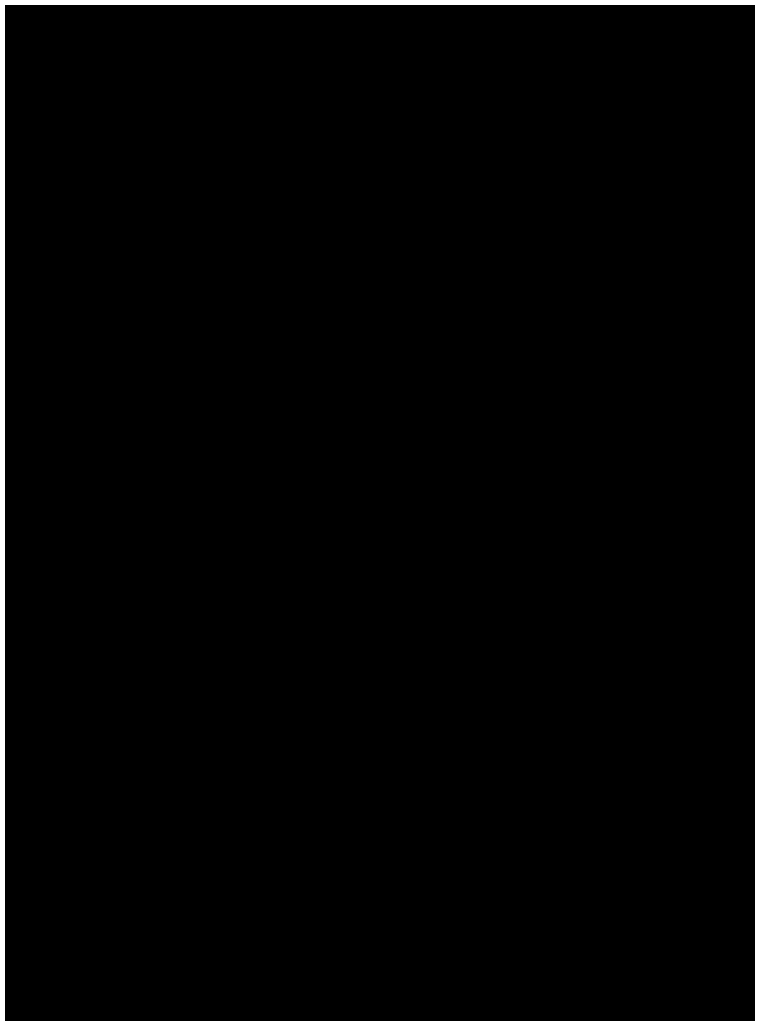
[redacted]



B. System One-Line



C. Geographic Map



| Project Title: 14S32 & 14S37 ROW | Project Number: CD02544 |
|---|---|
| **Date Prepared:** 08/19/2024 | **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: 12/30/2025** | |
| **Total Capital Request: $643K** | **Authorization Type:** Partial Funding |

## 15. Executive Summary

[redacted]

Towns of Windham, Columbia, Colchester, and Lebanon

AWC East Hampton

# 16. Project Cost Summary

Note: Dollar values are in thousands.

| Capital Costs | 2025 | 2026 | 2027 | Total |
|---|---|---|---|---|
| Internal Labor and Construction Equipment | 27.4 | 0.0 | 0.0 | 27.4 |
| Outside Services | 226.1 | 0.0 | 0.0 | 226.1 |
| Materials | 90.2 | 0.0 | 0.0 | 90.2 |
| Removals | 81.6 | 0.0 | 0.0 | 81.6 |
| Other | 1.8 | 0.0 | 0.0 | 1.8 |
| Risk and Contingency | 0.0 | 0.0 | 0.0 | 0.0 |
| **Subtotal** | **427.2** | **0.0** | **0.0** | **427.2** |

| Indirect Capital Costs | 2025 | 2026 | 2027 | Total |
|---|---|---|---|---|
| Indirects/Overheads (including benefits) | 205.8 | 0.0 | 0.0 | 205.8 |
| Capitalized interest or AFUDC, if any | 10.2 | 0.0 | 0.0 | 10.2 |
| **Subtotal** | **216.0** | **0.0** | **0.0** | **216.0** |
| | | | | |
| **Total Capital Costs (Gross)** | **643.2** | **0.0** | **0.0** | **643.2** |
| | | | | |
| Less Total Customer Contribution | **0.0** | **0.0** | **0.0** | **0.0** |
| | | | | |
| **Project Costs (Net)** | **643.2** | **0.0** | **0.0** | **643.2** |

# 17. Technical Justification

## a. Background

[redacted]

## b. Project Need

[redacted]

## c. Project Scope

- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
- [redacted]
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## 18. Alternatives Considered

Option 1(Preferred):

- This is the preferred option because it improves reliability of the R.O.W. by selecting and replacing aging distribution assets that have reached the end of its service life at the best value and return on investment.

Option 2:

- Option 2 will encompass the work of option 1 but it will add [redacted].

Project Option Comparison

[redacted]

| Authorization Type | Partial | Partial |
|---|---|---|
| Capital Cost | $615K | $752K |
| Expense Cost | $28K | $32K |
| Total Cost | $643K | $784k |
| Preferred option | X | |
| | | |

## 19. Project Schedule

| Milestone/Phase Name | Estimated Date |
|---|---|
| Partial Approval | 10/31/2024 |
| 100% Detailed Engineering Completion | 2/31/2025 |
| Fully Funded | **3**/31/2025 |
| Construction Start | 4/1/2025 |
| In Service Date | 12/31/2025 |

## 20. Regulatory Decisions

## 21. Codes and Standards

DTR 10.793 Steel Pole Construction 2-2-2

DTR 10.821 3 poles Double Dead-End

DTR 10.824 Tangent H-Frame 4-2 Construction.

DTR 16.613 Lighting Arrester Guide

## 22. 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. |
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| Storm delays | 2026 | Low | If storm activity delays work, we may be forced to use external resources. |
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## 24. Attachments (One Line Diagrams, Images, etc.)

| Attachment | Included in Submittal? |
|---|---|
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| B. P6 Schedule | *N/A* |
| C. Geographic Map | *YES* |
| D. System One-Lines | *YES* |
| | |
| F. | |

[redacted]

[redacted]

7 locations need Rock Drilling

5 locations need mowing.

2 locations need matting 200 feet and 600 feet.

1 location need gravel to repair road and mowing.

[redacted].

3 locations need to be climbed.

1 location needs brush removal 500 feet.

1 location needs mowing 300 feet.

[redacted]

2 locations need mowing 300 feet.

[redacted]

[redacted]

AIS Score: Patrol Find ID:

**Budget Summary - Preferred Option** Rebuilding ROW

**2026**

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| | | | | **Total Project:** | **$670,835** | **$670,835** |

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[redacted]

[redacted]

