Operations Project Authorization Form

Project Title: 2024 Frontier Pole Shifts	Project Number: CD02224
Date Prepared: 10/30/2023	**Company:** Eversource CT
Organization: Electric System Operations	**Project Category:** POLE INTEGRITY 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: 12/31/2024	
Total Capital Request: $600K	**Authorization Type:** Full Funding

1. Executive Summary

Executive Summary

The Frontier Pole Shifts project supports the 45-day PURA mandated timeframe for Eversource transfers to new pole sets under PURA Docket 03-03-07 RE01. This project includes the transfer of Eversource equipment onto Frontier's defective pole replacements throughout 2024. As Frontier replaces defective poles, Eversource will receive an automatic design request through the Single Pole Administrator' software Alden 1 to create a WR for the equipment transfer.

During 2023, the Company has noticed a reduced number of Frontier shift due to a change in Frontier's strategy for defective poles. Frontier prefers reinforcing its defective poles rather than replacing them thus reducing the number of Frontier shifts. The total revised capital request accounts for 300 transfers, or 50% of the original request.

2. Project Cost Summary

Note: Dollar values are in thousands.

Financial Evaluation

Capital Costs	2024	Year 2	Year 3+	Total
Internal Labor and Construction Equipment	$17,997	$0	$0	$17,997
Outside Services	$278,588	$0	$0	$278,588
Materials	$71,749	$0	$0	$71,749
Removals	$69,674	$0	$0	$69,674
Risk and Contingency	$0	$0	$0	$0
Other	$0	$0	$0	$0
Subtotal	**$438,007**	**$0**	**$0**	**$438,007**

Indirect Capital Costs	2024	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$157,783	$0	$0	$157,783
Capitalized interest or AFUDC, if any	$4,210	$0	$0	$4,210
Subtotal	**$161,993**	**$0**	**$0**	**$161,993**
Total Capital Costs (Gross)	**$600,000**	**$0**	**$0**	**$600,000**

3.Technical Justification

a. Background

This project includes the transfer of Eversource equipment onto Frontier Defective Pole Replacements throughout 2024. As Frontier replaces defective poles, Eversource will receive an automatic design request through Alden 1 to create a WR for the equipment transfer.

b. Project Need

Project Need Statement

Meet a regulatory requirement for Docket 03-03-07 re01.

Project Objectives:

Transfer Eversource's electric facilities onto solely own Frontier poles or jointly owned poles where Frontier is the custodian.

c. Project Scope

Project Scope:

Frontier will replace their defective poles and make attachers aware of required transfers through the Alden 1 database. Eversource will receive an automatic design request through ALDEN 1 to create a WR for the pole transfer. Frontier has estimated this to occur approximately 300 times throughout 2024 based on historical counts. During 2023, the Company has noticed a reduced number of Frontier shift due to a change in Frontier strategy. Frontier prefers reinforcing rather than replacing poles thus reducing the number of Frontier shifts.

4. Alternatives Considered

Alternatives were considered (please describe below)

No alternatives are available since the regulatory requirement mandates the transfer of Eversource's electric facilities onto new Frontier poles.

5. Project Schedule

Milestone/Phase Name	Estimated Date
Full Funding Approval	January 2024
Construction Start	February 2024
In Service Date	December 2024

6. Regulatory Decisions

Yes, Under Docket 03-03-07 RE01

7. Codes and Standards

8. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2024	Low	Included historical costs of transfers.
Construction resources / storm delays	2024	Medium	Will use competitive bidding to ensure lowest outside labor cost if internal resources unavailable.
Materials shortage or long lead times	2024	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.

9. References

Historical costs for transfers were used to estimate the work. Per the project scope above, we estimate 300 poles. This estimate is based on conversation with Frontier about the shift forecast.

CD02224 - 2024 Frontier Transfer project Estimate	
	Capital
Cost per transfer	$1,973
# Of Poles	300
Total Estimate	$600K

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

Attachment	Included in Submittal?
A. Initial Funding PAF.	*YES*
B.	

Appendices (One-Line Diagrams, Images, etc.)

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Project Approval Form

Operations Project Authorization Form

Project Title: 2024 Frontier Pole Shifts	**Project Number: CD02224**
Date Prepared: 04/12/2023	**Company:** Eversource CT
Organization: Electric Field Operations	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** POLE INTEGRITY PROGRAM
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of original Operating Plan:** Yes
Estimated in service date: 12/31/2024	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? Yes	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution
Total Gross Capital Request: $1.2M	**Authorization Type:** Initial Funding

Executive Summary

The Frontier Pole Shifts project supports the 45-day PURA mandated timeframe for Eversource transfers to new pole sets. This project includes the transfer of Eversource equipment onto Frontier Defective Pole Replacements throughout 2024. As Frontier replaces defective poles, Eversource will receive an automatic design request through Alden 1 to create a WR for the equipment transfer.

This project also includes transfers for a backlog of poles in an Eversource Transfer status that are not currently in construction.

The total project capital request is $1.2M.

Project Costs Summary

Note: Dollar values are in thousands

Capital Costs	2024	2025	2026+	Total
Internal Labor and Construction Equipment	$30	$0	$0	$30
Outside Services	$467	$0	$0	$467
Materials	$118	$0	$0	$118
Removals	$171	$0	$0	$171
Risk and Contingency	($9)	$0	$0	($9)
Other	$0	$0	$0	$0
Subtotal	**$777**	**$0**	**$0**	**$777**

Indirect Capital Costs	2024	2025	2026+	Total
Indirects/Overheads (including benefits)	$412	$0	$0	$412
Capitalized interest or AFUDC, if any	$11	$0	$0	$11
Subtotal	**$423**	**$0**	**$0**	**$423**
Total Capital Costs (Gross)	**$1,200**	**$0**	**$0**	**$1,200**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Project Costs (Net)	**$1,200**	**$0**	**$0**	**$1,200**

Technical Justification:

Project Need, Objective and Justification:
CD02224 is a blanket project that includes the transfer of Eversource equipment onto Frontier Defective Pole Replacements throughout 2024.

EVERSOURCE

Project Approval Form

The Frontier Pole Shifts project supports the 45-day PURA mandated timeframe for Eversource transfers to new pole sets.

Project Scope:

Frontier will replace their defective poles and make attachers aware of required transfers through the Alden 1 database. Eversource will receive an automatic design request through ALDEN 1 to create a WR for the pole transfer. Frontier has estimated this to occur approximately 608 times throughout 2024 based on historical counts. During 2023, the Company has noticed a reduced number of Frontier shift due to a change in Frontier strategy. Frontier prefers reinforcing rather than replacing poles thus reducing the number of Frontier shifts.

Major Material:

N/A

Background:

This project will allow Eversource to remain PURA compliant and decrease the number of double poles in the field.

Alternatives Considered:

Were alternative solutions considered/applicable? Include any cost/benefit analysis.

Project is a compliance obligation - no alternatives considered - no financial benefit

Regulatory Approvals:

Are Regulatory body approvals needed for the project?
No

Project Schedule

Milestone/Phase Name	Estimated Date
Full Funding Approval	January 2024
Construction Start	February 2024
In Service Date	December 2024

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2024	Low	Included historical costs of transfers.
Construction resources / storm delays	2024	Medium	Will use competitive bidding to ensure lowest outside labor cost if internal resources unavailable.
Materials shortage or long lead times	2024	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.

References

Cost Estimate and Assumptions:

Historical costs for transfers were used to estimate the work. Per the project scope above, we estimate 608 poles. This estimate is based on conversation with Frontier about the shift forecast.

CD02224 - 2024 Frontier Transfer project Estimate	
	Capital
Cost per pole	$1,973
# Of Poles	608
Total Estimate	$1.2M

Appendices (One-Line Diagrams, Images, etc.)

N/A