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Operations Project Authorization Form

Project Title: [redacted]	**Project Number: CD01970**
Date Prepared: 10/14/2022	**Company:** Eversource CT
Organization: EFO	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category: Smart Switch**
Project Manager [redacted]	**Project Type:** Specific
Project Sponsor [redacted]	**Capital Investment part of original Operating Plan:** Yes
Estimated in service date: 9/2/2022	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? No	**Facility Type** (check all that apply): ☐ PTF ☐ non-PTF X Distribution
Total Gross Capital Request: $195K	**Authorization Type:** Full Funding

Executive Summary

[redacted]

[redacted]

CD01970 was approved at the March 24, 2022, CT PAC meeting for $148K. Construction is complete and this project is requesting full funding in the amount of $195K, an increase of $47K. The increase in cost is the result of three additional double circuit poles that required to be replaced including a 65-foot pole adjacent to the railroad bridge. When the location for [redacted] was identified the adjacent structures needed to be replaced due to their current height, which also identified the 65-foot pole 8129 as needing replacement due to woodpecker holes and rot at the crossarm attachment. The increase in scope resulted in additional material costs ($29K), and labor costs associated with their replacement.

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Project Costs Summary

Capital Costs	Year 2022	Year 2023	Year 2024+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	$0.6	$0	$0	$0.7
Outside Services	$48.9	$0	$0	59.3
Materials	$83.2	$0	$0	$83.2
Removals	$10.5	$0	$0	$0
Risk and Contingency	$0	$0	$0	$0
Other	$0	$0	$0	$0
Subtotal	**$143.2**	**$0**	**$0**	**$143.2**
Indirect Capital Costs	**Year 2022**	**Year 2023**	**Year 2024+**	**Total**
Indirect/Overheads (including benefits)	$50.8	$0	$0	$50.8
Capitalized interest or AFUDC, if any	$1	$0	$0	$1
Subtotal	**$51.8**	**$0**	**$0**	**$51.8**
Total Customer Contribution				
Total Capital Project Costs	**$195.0**	**$0**	**$0**	**$195.0**

Technical Justification:

Project Need, Objective and Justification

[redacted]

Project Scope

On Riverside Avenue in Plymouth.

[redacted]

Background

On March 13, 2022, a vehicle accident required the primary between [redacted] be de-energized to remove the pole off of the vehicle. This outage is one of three outages this recloser has experienced in the last four years.

	DPU Non-Storm Default	DPU Non-Storm Override	IEEE Non-Storm Default	IEEE Non-Storm Override	ALL Default	ALL Override
Customer Interruptions Saved:	0.00	0.00	0.00	0.00	0.00	0.00
Cost Per Customer Interruption Saved:	0.00	0.00	0.00	0.00	0.00	0.00
Customer Minutes Saved:	6,377.42	0.00	6,377.42	0.00	108,988.15	0.00
Cost Per Customer Minutes Saved:	23.81	0.00	23.81	0.00	1.39	0.00

Major Material

Two Cooper Nova reclosers stock code 528738
Two Cooper Form 6 recloser controls stock code 518938.

Alternatives Considered:

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

Alternatives were considered (please describe below)

[redacted]ed.

Regulatory Approvals:

Are Regulatory body approvals needed for the project?
No

If yes, provide detailed regulatory approvals

Project Schedule

Milestone/Phase Name	Estimated Date
100% Engineering Completion	July 2022
Construction Start	September 2022
Testing/Commissioning	October 2022
In Service Date	October 2022

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Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2022	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	2022	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2022	High	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.	2022	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays	2022	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2022	Low	Schedule work to minimize system abnormal time. Most of this work will require system to be abnormal for any extended period.

References

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

Need Statement.



CD01970_project_needs_statement.pdf

Sketch.



CD01970 Updated sketch.pdf