Operations Project Authorization Form

Project Title: CAPITAL ASPLUNDH UVL	**Project Number: CPTLAUVL**
Date Prepared: 12/21/2023	**Company:** Eversource CT
Organization: Electric System Operations	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** Emergent Equipment Failures - Line
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of original Operating Plan:** Yes
Estimated in service date: 03/31/2022	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? Yes	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF X Distribution
Total Gross Capital Request: $2,478K	**Authorization Type:** Full Funding

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

This request is for the approval of the Asplundh troubleshooter capital work project and the work orders associated with it for a total cost of $2,478K.

This program funds the troubleshooters to track work performed in each town. The trouble shooters respond to emergent work and identify an issue. This project was to capture and document the charges to address work performed by Asplundh found during system patrols to improve both reliability and overall customer performance.

Project Costs Summary / Financial Evaluation

WO NUMBER	WO DESCRIPTION	PROJECT DEPT CODE	PROJECT	PROJECT DESCRIPTION	WO IN SRV DATE	WO INIT DATE	Total Amount (K)
CPTLUVL	CLP CAPITAL UVL FOR ASPLUNDH TRBLSH	408	CPTLAUVL	CAPITAL ASPLUNDH UVL	3/22/2022	6/27/2014	$2,478

Technical Justification:

Project Need Statement

A decision was made to create the Asplundh troubleshooter work orders to track the work performed in each town. Asplundh's primary function was to respond to emergent work.

This project was established to perform work found during system patrols to improve both reliability and overall customer performance.

Project Objectives
This project was created to allow for immediate repair and/or enhancement of the distribution system. Work orders were created to track repairs / enhancements as they were made to the system.

The work included:

- Fusing transformers to limit the customers impacted to those supplied by the individual transformer as opposed to those supplied by the upstream primary isolating device.
- Ensuring the presence of suitable animal guards on equipment included but not limited to transformers, reclosers and risers. Replace older ineffective animal guards.
- Replace and/or install arresters.
- Replace insulators with the new Vise Top insulators.
- Replace open wire secondary with triplex.

Additional reliability work to address equipment failures such as installing injection elbows to prepare cable for injection, replacement of small sections of failed cable, or replacement of wooden arm with the new fiberglass arm are all examples of work performed under this blanket.

Project Scope
The blanket work included the following:

- Fusing transformers
- Animal protection
- Adding lightning arresters
- Replacing main line hot line clamps with wedge stirrup connections
- Replacing open wire secondary
- Replacing crossarms

Major Material
Cutouts
Fuses
Animal Protection
Lightning Arresters
Stirrups
Cable
Crossarms, etc

Background / Justification
This project enabled Asplundh to optimize their time by performing system enhancements and repairs to minimize the number of customers impacted by fusing transformers as well as installing proper animal protection. And to mitigate potential interruptions the Asplundh crews installed vise-top insulators in place of failing rubber ties, replaced older crossarms, replaced of open wire secondary and installed lightning arresters.

Business Process and / or Technical Improvements
Allow for immediate repair and/or enhancement of the distribution system to increase customer reliability and reduce customer outages.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Project Initiation	01/01/2014
Project In-Service Date	03/31/2022

Regulatory Approvals
None needed

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2014	Medium	Create a PAF if the Work Order cost exceeds $100k
Internal construction resources not available to perform the work.	2014	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.	2022	Low	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 of time.

Attachments