Project Approval Form

Project Title: PCB Xfmr Replacement	Project Number: 102118
Date Prepared: 02/13/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** PCB TRANSFORMER REPLACEMENT PRGRM
Project Initiator: [redacted]	**Project Type:** Annual
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: 12/31/2025	
Total Capital Request: $300K	**Authorization Type:** Full Funding

1. Executive Summary

This program funds the replacement of transformers that have a high content of polychlorinated biphenyls (PCBs). PCBs are harmful to humans and the environment. If a transformer with PCBs leaks, or spills for any reason (car accident, etc) then the PCBs can enter the environment and cause damage. PCBs were used in transformers as an insulating means but have been phased out due to their health and environmental risks.

This project pertains to high volume work orders not to exceed $500K and covers the entire state of CT. Capital work orders initiated against this annual project **must include total costs less than or equal to $500K.** Any work order exceeding $500K will require a separate Project Authorization Form (PAF) and Delegation of Authority (DOA) approval.

2. Project Cost Summary

*Dollar values are in thousands

Capital Costs	2025	Total
Internal Labor and Construction Equipment	20.6	20.6
Outside Services	120.5	120.5
Materials	37.3	37.3
Removals	41.9	41.9
Other	0.9	0.9
Risk and Contingency	0.0	0.0
Subtotal	**221.2**	**221.2**

Indirect Capital Costs	2025	Total
Indirects/Overheads (including benefits)	67.9	67.9
Capitalized interest or AFUDC, if any	10.9	10.9
Subtotal	**78.8**	**78.8**
Total Capital Costs (Gross)	**300.0**	**300.0**
Less Total Customer Contribution	**0.0**	**0.0**
Project Costs (Net)	**300.0**	**300.0**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

PCBs were produced and used in equipment as a insulator from 1929 until they were banned in 1979. Some equipment still exists in the field today that contains PCBs. This project is created to remove and replace transformers and equipment that contain PCBs based on the PPM of the equipment and/or the installation date of said equipment.

b. Project Need

This program aims to replace equipment that contains PCBs. This project will provide Eversource with less risk when there is an accident or a transformer leakage. If a transformer with PCBs leaks due to age or accident then it may require an expensive cleanup, based on the volume of oil spilled.

c. Project Scope

The scope of this program is to replace aging transformers that contain a high level of PCBs with newer equipment that has a much lower PPM count of PCBs. This program reduces risk from spills and leaks.

4. Alternatives Considered

The alternative is to not replace any equipment with PCBs. This leaves Eversource open to having expensive environmental cleanups when a piece of equipment with PCBs eventually spills or leaks.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
100% Detailed Engineering Completion	01/01/2025
Construction Start	01/01/2025
In Service Date	12/31/2025

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

9.

References
1. N/A

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

Attachment	Included in Submittal?
A. Cost Estimate	*N/A*
B. Partial PAF	*N/A*