EVERSOURCE

Project Approval Form

Project Title: Replace Leaky Splices	Project Number: 103353819
Date Prepared: 02/27/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** REPLACE LEAKY SPLICE
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: 12/31/2019	
Total Capital Request: $13,475K	**Authorization Type:** Full Funding

1. Executive Summary

This request is for the approval of the Replace Leaking Splices project and the associated work orders for the years 2008 - 2019. For pre-2022 compliance work orders are permitted to be grouped by year. 99% of the work orders this project pertains to were completed prior to the implementation of the Eversource financial system in 2014, PowerPlan. As such, all the work orders for this time frame are included on this PAF.

[redacted] This project was created to cover the emergent replacement of these leaky splices.

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

Capital Costs	Year 1	Year 2	Year 3+	Total
Internal Labor and Construction Equipment	4,483.1	0.0	0.0	4,483.1
Outside Services	512.4	0.0	0.0	512.4
Materials	1,088.8	0.0	0.0	1,088.8
Removals	800.6	0.0	0.0	800.6
Risk and Contingency	320.2	0.0	0.0	320.2
Other	0.0	0.0	0.0	0.0
Subtotal	**7,205.1**	**0.0**	**0.0**	**7,205.1**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	6,227.4	0.0	0.0	6,227.4
Capitalized interest or AFUDC, if any	42.5	0.0	0.0	42.5
Subtotal	**6,269.9**	**0.0**	**0.0**	**6,269.9**
Total Capital Costs (Gross)	**13,475.0**	**0.0**	**0.0**	**13,475.0**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net)	**13,475.0**	**0.0**	**0.0**	**13,475.0**

	WO_NUMBER	WO_DESCRIPTION	Actual	WO_INIT_DATE
2008	1S810571	JS - BONNER ST, STMFRD, REPL CBL MH	$205,288	05/27/08
	1S810650	JS - JAY RD, STMFRD, REPL CBL MH596	$438,424	06/16/08
	1S810665	JS - WIRE MILL RD, STMFRD, REPL CBL	$153,868	06/19/08
	1S810672	JS - LINCOLN AVE, STMFRD, REPL CBL	$172,897	06/19/08
	1S810683	JS - HAMILTON AVE, STMFRD, REPL CBL	$451,682	06/20/08
	1S810684	JS - HILLANDALE AVE, STMFRD, REPL C	$127,194	06/23/08
	1S810814	JS - TRESSER BLVD, STMFRD, REPL P&C	$122,785	07/28/08
	1G810759	JS - East Putnam Ave, Grnwch, Repl	$154,652	08/26/08
	1G810761	ELEC PROJ CABLE REPLACEMENT SPECIFI	$125,582	08/26/08
	1N811396	ELEC MAIN DIST - REPAIRS AND OBSOLE	$216,809	08/27/08
	1N811467	ELEC MAIN DIST - REPAIRS AND OBSOLE	$101,778	09/09/08
	4N811268	RPL SPLICES MH 180 - 9L03 & 9L09	$118,119	10/20/08
	4N811269	RPL BAD SPLICE - MH 3	$318,658	10/20/08
	1S811145	JS - GREYROCK PL, STMFRD, REPL CBL	$102,315	10/27/08
	1B811413	JDS REPAIR 11A55 SPLICE IN MH#136 F	$107,191	11/04/08
	1B811414	JDS REPAIR 11A55 OR 11A72 HOT SPOT	$108,522	11/04/08
	4N811340	RPL BAD SPLICE 9L02 - MH 205	$184,700	11/04/08
	1G810976	ELEC PROJ CABLE REPLACEMENT SPECIFI	$162,741	11/07/08
	1G810978	ELEC PROJ CABLE REPLACEMENT SPECIFI	$117,520	11/07/08
	1G810979	JS - BRUCE PARK AVE, GRNWCH, REPL C	$291,511	11/07/08
	1G810980	JS - LOUGHLIN AVE, GRNWCH, REPL CBL	$137,034	11/07/08
	1S811213	JS - WASHINGTON BLVD, STMFRD, REPL	$111,122	11/10/08
	1S811215	JS - WASHINGTON BLVD, STMFRD, REPL	$143,804	11/10/08
	1N811878	JAC MAIN ST MH3 & MH 4 REPLACE SECT	$130,506	11/19/08
	1S811267	JS - 2743 SUMMER ST, STMFRD, REPL C	$111,494	11/21/08
	1G811045	ELEC PROJ CABLE REPLACEMENT SPECIFI	$255,691	12/08/08
2008 Total			**$4,671,887**	

	WO_NUMBER	WO_DESCRIPTION	Actual	WO_INIT_DATE
2009	1G910078	ELEC PROJ CABLE REPLACEMENT SPECIFI	$160,859	02/02/09
	2M910271	WC-CURTIS ST,NEW BRITAIN. RPL CABLE	$252,089	02/09/09
	2W910191	BM/ REPL LEAKING SPLICE MH216 AND 2	$131,882	02/09/09
	2M910302	WC-MYRTLE ST,NEW BRITAIN. RPL CABLE	$152,269	02/12/09
	1S910143	JS - MANHATTAN ST, STMFRD, REPL CBL	$130,664	02/18/09
	2W910374	AM/MH 359, N MAIN ST, WTBY - REPL L	$113,888	03/13/09
	2W910512	AM/MH 4, FREIGHT ST,WTBY - REPL LEA	$162,396	04/02/09
	4N910480	RPL LEAKING SPLICE MH129	$201,312	04/08/09
	2M911023	MG. RIVERSIDE AVE, BRISTOL. RELOCAT	$114,273	05/18/09
	1G910377	JS - CLAPBOARD RIDGE RD, GRNWCH, RE	$252,108	06/09/09
	2M911709	MG-WALNUT ST,NB. REPL 325FT OF 500M	$121,339	09/10/09
	2M912357	ELEC PROJ CABLE REPLACEMENT SPECIFI	$103,830	12/15/09
2009 Total			**$1,896,909**	

	WO_NUMBER	WO_DESCRIPTION	Actual	WO_INIT_DATE
2010	4N020111	ELEC MAINT REPAIRS AND OBSOLESCENCE	$115,114	01/19/10
	1G020050	JS - RAILROAD AVE, GRNWCH, INST\REM	$230,250	01/25/10
	1S020137	JS - PROSPECT ST, STMFRD, INST\REM	$123,634	02/05/10
	2M020341	WC-CORBIN AVE,NEW BRITAIN. REPL LEA	$190,322	02/05/10
	2M020363	WC-RIVERSIDE AVE,BRISTOL. RPL LEAKY	$130,673	02/11/10
	1S020263	JS - TRESSER BLVD, STMFRD, INST\REM	$143,951	03/05/10
	1S020276	JS - MAIN ST, STMFRD, REPL CBL MH72	$135,559	03/08/10
	4M020293	ELEC PROJ RELIABILITY SPECIFIC CONV	$159,695	03/30/10
	4M020329	ELEC MAINT REPAIRS AND OBSOLESCENCE	$412,453	04/13/10
	1G020216	JS - WEST ELM ST, GRNWCH, REPL CBL	$158,232	04/26/10
	1N020596	JAC MAIN ST NORWALK LEAKING SPLICE	$122,701	04/26/10
	1N020609	JAC MAIN ST MH16 CIR9S4 LEAKING SPL	$130,731	04/27/10
	1N020611	JAC MAIN ST MH17 CIR9S8 LEAKING SPL	$118,083	04/28/10
	1N020612	JAC MAIN ST LEAKING SPLICE 9S4 MH	$120,653	04/28/10
	1S020574	JS - BONNER ST, STMFRD, REPL CBL MH	$298,158	06/10/10
	1S020766	JS - SUMMER ST, STMFRD, REPL CBL MH	$113,608	08/13/10
	1N021234	JAC WESTPORT AVE REPLACE LEAKING SP	$111,914	08/18/10
	1N021282	JAC ISAAC ST REPAIR LEAKING VLT116	$110,081	08/27/10
	1N021415	JAC WALL ST CIR 9S46 REPAIR LEAKIN	$129,900	09/21/10
	1S021011	JS - SUMMER ST, STMFRD, REPL CBL MH	$158,614	11/04/10
	1B020972	TOWNHILL AVE DANBURY MH22 REPLACE L	$309,335	11/16/10
	1S021103	JS - MANHATTAN ST, STMFRD, REPL CBL	$102,755	12/06/10
2010 Total			**$3,626,415**	

	WO_NUMBER	WO_DESCRIPTION	Actual	WO_INIT_DATE
2011	2M120350	MG. CORBIN AVE, NB. 11H77 - REPLACE	$149,523	03/03/11
	2M120441	MG. MYRTLE ST, NB. 11H71 - REPLACE	$105,204	03/22/11
	1S120379	JS - TRESSER BLVD, STMFRD, REPL CBL	$158,655	03/31/11
	1S120380	JS - TRESSER BLVD, STMFRD, REPL CBL	$219,328	03/31/11
	1N120442	JAC WEST AVE NORWALK REPLACE PRI CA	$166,356	04/11/11
	1G120252	JS - East Putnam Ave, Grnwch, Repl	$113,340	04/21/11
	1S120687	JS - SUMMER ST, STMFRD, REPL CBL MH	$128,177	06/27/11
	1S120695	JS - WASHINGTON BLVD, STMFRD, REPL	$161,500	06/28/11
	1S120696	JS - WASHINGTON BLVD, STMFRD, REPL	$117,832	06/28/11
	2M121516	MG. NEWINGTON AVE, NB. 7L81 - REPL	$136,831	08/15/11
2011 Total			**$1,456,744**	

	WO_NUMBER	WO_DESCRIPTION	Actual	WO_INIT_DATE
2012	1G220282	JS - STATION DR, GRNWCH, REPL CBL M	$126,851	03/27/12
	2M220944	ELEC PROJ CABLE REPLACEMENT SPECIFI	$166,221	03/27/12
	1G220319	JS - BRUCE PARK AVE, GRNWCH, REPL C	$256,579	04/05/12
	1G220321	JS - BRUCE PARK AVE, GRNWCH, REPL C	$157,493	04/05/12
	1G220337	JS - DEKRAFT RD, GRNWCH, REPL CBL M	$247,553	04/11/12
	2M221201	ELEC PROJ CABLE REPLACEMENT SPECIFI	$186,798	04/18/12
	2M221331	WC/JJH-SOUTH COLONY ST, MERIDEN. RE	$132,730	05/03/12
	1G220421	JS - GREENWICH AVE, GRNWCH, REPL CB	$179,301	05/08/12
	2W221635	BM/NEED TO REPL LEAD FROM MH 386 TO	$153,434	09/12/12
2012 Total			**$1,606,959**	

	WO_NUMBER	WO_DESCRIPTION	Actual	WO_INIT_DATE
2013	2M320383	MG - BLACK ROCK AVE, NB - REPLACE S	$105,106	02/19/13

	WO_NUMBER	WO_DESCRIPTION	Actual	WO_INIT_DATE
2019	4N821860	PD-Williams St N. London/Replace 50	$110,110	07/02/19
Grand total			**$13,474,130**	

*Costs are in Thousands

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

[redacted]

b. Project Need

[redacted]

c. Project Scope

Work involves identifying a leaky splice either through an outage due to one failing or the routine maintenance and inspections that occur on Eversource's underground system. For the splice to be completely removed and remediated, the cable needs to be removed and replaced from manhole to manhole. Work includes installing new conduit if needed from manhole to manhole, removing the cable with the leaky splice, and installing new cable.

4. Alternatives Considered

Do nothing: leaving defective splices in-service for an extended period of time could have an adverse impact on electrical system performance.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
100% Detailed Engineering Completion	2019

Milestone/Phase Name	Estimated Date
Construction Start	2008
In Service Date	2019

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.		Low	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Internal construction resources not available to perform the work.		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.		Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays		Low	If storm activity delays work, we may be forced to use external resources.

System abnormal configuration		Medium	Schedule work to minimize system abnormal time. Most of this work will require system to be abnormal for any extended period of time.

9.

References
1. N/A

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

Attachment	Included in Submittal?
A. Cost Estimate	*No*
B. Partial PAF	*No*