EVERSOURCE

Operations Project Authorization Form

Project Title: 2026 TripSaver Eastern BCA	Project Number: CD02835
Date Prepared: 07/23/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** SMART SWITCHES PROGRAM
Operations Representative: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of 5-year plan?** Yes
Estimated in Service Date: 12/31/2026	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? Yes	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution
Total Request ($): 862.8K	**NWS Excludable:** ☐ Yes ☒ No
Project Driver: Reliabilty	**Authorization Type: Full Funding**

1. Executive Summary

Full funding is being requested for this project at a cost of $862.8K, which is 146% of the partial funding estimate of $589.4K. The variance between the full funding and partial funding estimate is primarily due to an increase in material cost and internal labor estimates. No change in scope was incurred for this project.

This Project CD02835 was established to install TripSavers at fused lateral locations in Connecticut to reduce the number of outages caused by transient type events (Tree, Animal, Lightning, Patrolled Nothing Found). For the Eastern Division, there are a total of 55 locations.

Project Location

- Division: Eastern
- Districts: Danielson AWC, East Hampton AWC, Madison AWC, New London AWC
- Towns: Brooklyn, Canterbury, Eastford, Hampton, Lisbon, Thompson, Woodstock, Colchester, Columbia, East Haddam, Glastonbury, Hebron, Lebanon, Scotland, Windham, Haddam, Madison, Old Saybrook, East Lyme, Groton, Ledyard, Montville, North Stonington, Preston, Salem, Stonington, Waterford

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2026	Year 2027	Year 2028+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	64.9	0.0	0.0	64.9
Outside Services	0.0	0.0	0.0	0.0
Materials	381.8	0.0	0.0	381.8
Removals	23.6	0.0	0.0	23.6
Risk and Contingency	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**470.3**	**0.0**	**0.0**	**470.3**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	392.5	0.0	0.0	392.5
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal – Indirect Costs	**392.5**	**0.0**	**0.0**	**392.5**
Total Gross Capital Costs	**862.8**	**0.0**	**0.0**	**862.8**
Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Total Net Capital Project Costs	**862.8**	**0.0**	**0.0**	**862.8**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

A TripSaver is a self–powered, electronically controlled, single–phase, cutout–mounted vacuum, interrupter recloser. The TripSaver is designed to eliminate the sustained interruption that occurs when a lateral fuse cutout operates in response to a transient fault. It also can eliminate momentary circuit interruptions that occur when a substation circuit breaker or source–side line recloser would otherwise trip to prevent a lateral fuse cutout from operating in response to a transient fault. All data used for this project reflects system conditions and record current as of January 2026.

b. Project Need

For this project, 55 fused lateral locations were selected based on a benefit cost analysis (BCA). The BCA utilized historical outage and interruption data to determine which laterals would benefit the most from a TripSaver replacement. Based on the standardized TripSaver improvement indices, 50% of customer interruption and 32% of customer minutes saved were utilized when estimating reliability improvements for this project. This project will reduce customer outages and improve system reliability. All locations were reviewed to determine the appropriate body size, fuse curve, and if each TripSaver coordinated with existing devices. Coordination changes were made as necessary and locations were rejected if DSEM 10.431 criteria were not met.

Total Events	Events Saved	Total Customer Mins	Customer Mins Saved	Total Customers Effected	Customer Int Saved
159	80	1,655,923	132,474	10,953	1,369

Figure 1: Eastern TripSaver Customer Reliability Indices

c. Project Scope

Option 1, is the preferred option. This option looks to replace these fused lateral locations with TripSaver units. The scope of Option 1 is as follows:

AWC	Town(s)	WOs
Danielson	BROOKLYN	2
	CANTERBURY	3
	EASTFORD	1
	HAMPTON	1
	LISBON	1
	THOMPSON	1
	WOODSTOCK	1
East Hampton	COLCHESTER	1
	COLUMBIA	1
	EAST HADDAM	2
	GLASTONBURY	3
	HEBRON	4
	LEBANON	1
	SCOTLAND	2
	WINDHAM	2
Madison	HADDAM	1
	MADISON	1
	OLD SAYBROOK	1
New London	EAST LYME	1
	GROTON	3
	LEDYARD	4
	MONTVILLE	3
	NORTH STONINGTON	2
	PRESTON	1
	SALEM	5
	STONINGTON	5
	WATERFORD	2

Major Materials:

- 1ph TripSaver Locations: 53 (includes 1 additional location for coordination)
- 3ph TripSaver Locations: 3

Qty	Size	Body	Stock Code (as of 10/2025)
1	**25K**	**40A**	620630
13	**40K**	**40A**	622560
1	**40K**	**100A**	620609
12	**65K**	**40A**	622559
9	**65K**	**100A**	620607
-	**80K**	**40A**	622558
-	**80K**	**100A**	622467
-	**80K**	**200A**	620606
1	**100K**	**40A**	622557
18	**100K**	**100A**	622468
-	**100K**	**200A**	620605
6	**140K**	**100A**	622764
1	**140K**	**200A**	620603
62			

4. Alternatives Considered

Project Option Comparison

Design Criteria	Option		
	1 – TripSavers	2 – NWS	3 – Do Nothing
Required to meet project need			
Optimize locations with TripSavers	X		
Provide alternative source during outage		X	
Authorization Type	Full	Full	Full
Capital Cost	$862.8K	$132,855K	$0
Expense Cost	$37.8K	$5,820K	$0
Total Cost	$900.6K	$138,677K	$0
Total Cost / CM Saved	$6.79/CM	$1,046.83/CM	N/A
Total Cost / CI Saved	$657/CI	$101,298/CI	N/A
Preferred option	X		

Option Summary

Preferred:

The preferred option is option 1. This option will install TripSavers in place of the existing fuses on each of the selected laterals. This option is the preferred option because it is the most cost effective option.

Other(s):

The NWS requires the installation of batteries at each location to support up to 4 hours of expected load for half the customers. Additionally, each location would require further sectionalization to create the battery recovery zones. This option was not selected as the preferred option because it is not as cost effective compared to Option 1 and does not support future growth in the areas. Future growth would reduce recovery durations and potentially require larger batteries to maintain reliability.

NWS estimate was calculated at $2M per MWh based on the two lowest of three contractor bids received in Connecticut.

The do-nothing option was not selected because it does not improve customer reliability. The locations were selected based on the high number of interruptions. By not addressing the large number of interruptions now, the continued poor reliability could lead to increased customer complaints and criticism.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	3/19/2026
100% Detailed Engineering Completion	6/18/2026
Fully Funded	7/23/2026
Construction Start	8/3/2026
In Service Date	12/31/2026

6. Regulatory Decisions

This project complies with any and all applicable regulatory requirements.

7. Codes and Standards

This project was designed in accordance with Eversource's Distribution System Engineering Manual (DSEM) and Overhead & Underground Distribution Standards (DTR).

Codes and Standards
1. DSEM 06.713 – Overhead System Protection & Design Philosophy
2. DSEM 10.431 – TripSaver II General
3. WMS 09.10-234 – Operation Instruction for the S&C TripSaver II

8. Risk and Contingencies

Contingencies: 20% contingency was added for 2026 work. This contingency accounts for any risks that are unknown and do not have mitigation plans.

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2026	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	2026	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2026	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.	2026	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2026	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2026	Low	If storm activity delays work, we may be forced to use external resources.

System abnormal configuration	2026	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.
Technological risks involving integration of new technology	2026	Low	Before use of new technology ensure support of standards and manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.
Wetlands / Environmentally sensitive area	2026	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1.

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

Attachment	Included in Submittal?
A. Project Authorization Checklist	*YES*
B. TripSaver Replacement Locations	*YES*
C. Partial Funding PAF	*YES*

Attachment - A: Project Authorization Checklist

Project Authorization Checklist

Project Initiator: [redacted]

Project #: CD02835

Project Title: 2026 TripSaver Eastern BCA

Funding Type:

☐ Partial PAF ☒ Full PAF

Project Alternatives:

☐ Options considered ☐ Explanation why alternatives were not selected

☒ NWS considered ☒ Explanation why preferred option was selected

Project Requirements (Review all, and check all that apply):

NR = Not Required R=Required C = Complete

NR	R	C		NR	R	C	
☒	☐	☐	Easement	☒	☐	☐	TD007
☒	☐	☐	Trimming Estimate Received	☒	☐	☐	ROW trimming Estimate Received
☒	☐	☐	Environmental Review Initiated	☐	☐	☒	Review with Operations
☒	☐	☐	Permits (state roads)	☒	☐	☐	Underground permits
☒	☐	☐	P&C Settings	☒	☐	☐	Material long lead
☐	☐	☒	Synergi load flow	☒	☐	☐	Verify if Out-Of-Phase Tie Condition
☒	☐	☐	Add to Step Load Tracker (New Service or Load Transfer)	☒	☐	☐	TD914 Network Procedure Updated
☒	☐	☐	Network Contingency Plan Updated				

PAF Documents Attached:

☐ One Lines ☐ Geographical Map ☐ Load Projections ☒ Estimates

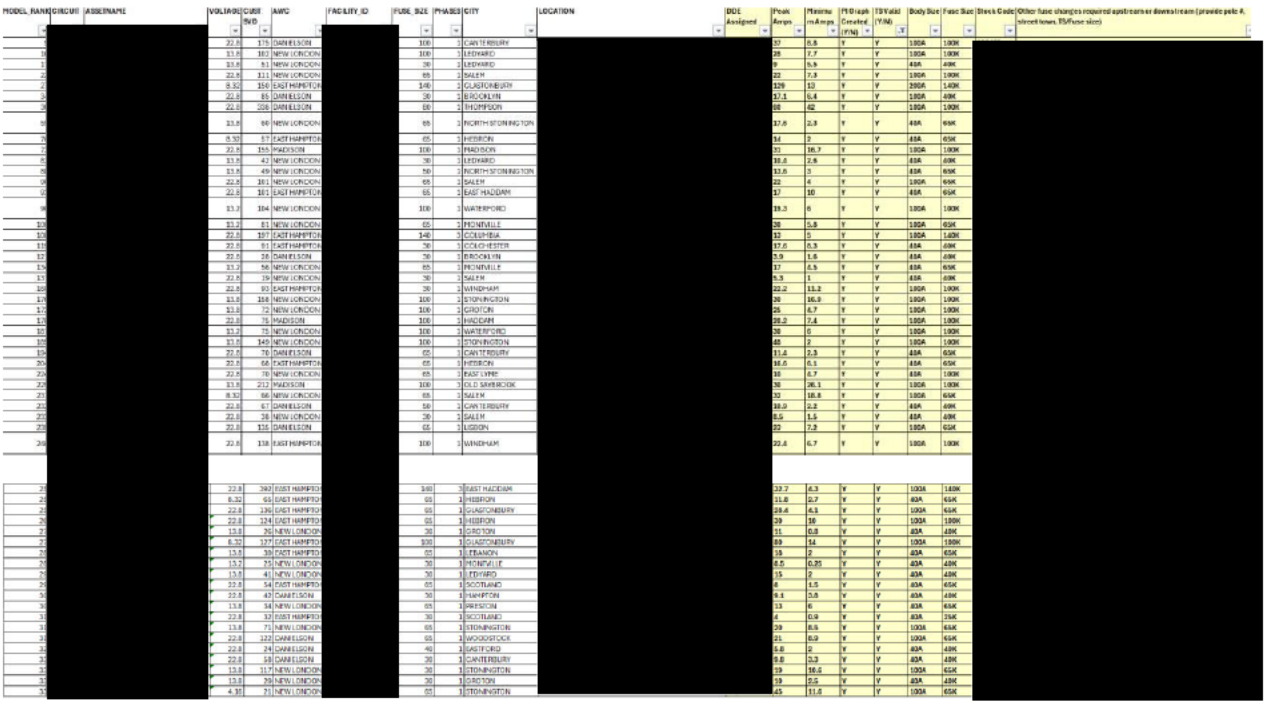
☒ Other Documents (List): TripSaver Review Spreadsheet

PAF Review Complete:

☒ Lead Reviewed by: [redacted] Date: 7/9/2026

☒ Manager Reviewed by: [redacted] Date: 7/9/2026

Attachment - B: TripSaver Replacement Locations



MODEL_RANK	CIRCUIT	ASSEMNAME	VOLTAGE	CUSTOMER	AWC	FACILITY_ID	FUSE_SIZE	PHASES	CITY	LOCATION	DDE Assigned	Peak Amps	Maximum Amps	FY Graph Created (Y/N)	TSV Valid (Y/N)	Body Size	Fuse Size	Block Code	Other fuse changes required upstream or downstream (provide pole #, street town, ES/Fuse size)
1	[redacted]	[redacted]	22.8	175	DANIELSON	[redacted]	100	3	CANTERBURY	[redacted]		37	6.8	Y	Y	100A	100K		[redacted]
10			13.8	182	NEW LONDON		100	1	LEDYARD			28	7.7	Y	Y	100A	100K		
11			13.8	51	NEW LONDON		30	2	LEDYARD			9	5.9	Y	Y	40A	40K		
2			22.8	111	NEW LONDON		65	3	SALEM			22	7.3	Y	Y	100A	100K		
3			8.32	150	EAST HAMPTON		140	2	GLASTONBURY			129	13	Y	Y	200A	140K		
4			22.8	85	DANIELSON		50	2	BROOKLYN			17.1	6.4	Y	Y	100A	40K		
5			22.8	108	DANIELSON		80	1	THOMPSON			38	42	Y	Y	100A	100K		
6			13.8	88	NEW LONDON		65	2	NORTH STONINGTON			17.6	2.8	Y	Y	40A	65K		
7			8.32	57	EAST HAMPTON		65	1	HEBRON			14	2	Y	Y	40A	65K		
7			22.8	155	MADISON		100	3	MADISON			31	16.7	Y	Y	100A	100K		
8			13.8	42	NEW LONDON		30	1	LEDYARD			16.8	2.8	Y	Y	40A	40K		
9			13.8	49	NEW LONDON		50	3	NORTH STONINGTON			13.6	3	Y	Y	40A	65K		
9			22.8	101	NEW LONDON		65	2	SALEM			22	4	Y	Y	100A	65K		
9			22.8	101	EAST HAMPTON		65	2	EAST HADDAM			17	10	Y	Y	40A	65K		
9			13.2	104	NEW LONDON		100	3	WATERFORD			39.3	6	Y	Y	100A	100K		
10			13.2	81	NEW LONDON		65	2	PRENTVILLE			28	5.8	Y	Y	100A	65K		
10			22.8	197	EAST HAMPTON		140	3	COLUMBIA			32	5	Y	Y	100A	140K		
11			22.8	91	EAST HAMPTON		50	3	COLCHESTER			17.6	6.3	Y	Y	40A	40K		
12			22.8	58	DANIELSON		50	3	BROOKLYN			5.9	1.6	Y	Y	40A	40K		
14			13.2	56	NEW LONDON		65	2	PRENTVILLE			17	6.5	Y	Y	40A	65K		
17			22.8	19	NEW LONDON		30	1	SALEM			5.3	1	Y	Y	40A	40K		
18			22.8	93	EAST HAMPTON		20	1	WINDHAM			22.2	11.2	Y	Y	100A	100K		
19			13.8	168	NEW LONDON		100	2	STONINGTON			26	16.9	Y	Y	100A	100K		
17			13.8	72	NEW LONDON		100	2	GROTON			25	6.7	Y	Y	100A	100K		
13			22.8	75	MADISON		100	3	HADDAM			28.2	7.4	Y	Y	100A	100K		
15			13.2	75	NEW LONDON		100	3	WATERFORD			28	6	Y	Y	100A	100K		
16			13.8	149	NEW LONDON		100	3	STONINGTON			48	2	Y	Y	100A	100K		
15			22.8	70	DANIELSON		65	1	CANTERBURY			11.4	2.3	Y	Y	40A	65K		
20			22.8	66	EAST HAMPTON		65	3	HEBRON			16.6	6.1	Y	Y	40A	65K		
22			22.8	78	NEW LONDON		65	3	EAST LYME			16	6.7	Y	Y	40A	100K		
23			13.8	212	MADISON		100	3	OLD SAYBROOK			36	26.1	Y	Y	100A	100K		
21			8.32	66	NEW LONDON		65	3	SALEM			32	18.8	Y	Y	100A	65K		
25			22.8	67	DANIELSON		50	1	CANTERBURY			18.9	2.2	Y	Y	40A	40K		
23			22.8	28	NEW LONDON		30	1	SALEM			8.5	1.5	Y	Y	40A	40K		
23			22.8	116	DANIELSON		65	3	LISBON			22	7.3	Y	Y	100A	65K		
26			22.8	138	EAST HAMPTON		100	3	WINDHAM			22.6	6.7	Y	Y	100A	100K		
27			22.8	260	EAST HAMPTON		140	3	EAST HADDAM			33.7	6.3	Y	Y	100A	140K		
28			8.32	66	EAST HAMPTON		65	1	HEBRON			11.8	2.7	Y	Y	40A	65K		
29			22.8	136	EAST HAMPTON		65	2	GLASTONBURY			28.4	4.3	Y	Y	100A	65K		
30			22.8	124	EAST HAMPTON		65	3	HEBRON			29	10	Y	Y	100A	100K		
27			13.8	26	NEW LONDON		30	1	GROTON			11	0.8	Y	Y	40A	40K		
31			8.32	177	EAST HAMPTON		100	3	GLASTONBURY			69	14	Y	Y	100A	100K		
32			13.8	39	EAST HAMPTON		65	3	ANDOVER			16	2	Y	Y	40A	65K		
33			13.2	35	NEW LONDON		30	1	PRENTVILLE			6.5	0.25	Y	Y	40A	40K		
27			13.8	41	NEW LONDON		30	1	LEDYARD			15	2	Y	Y	40A	40K		
34			22.8	54	EAST HAMPTON		65	1	SCOTLAND			6	1.5	Y	Y	40A	65K		
35			22.8	43	DANIELSON		50	1	HAMPTON			9.6	3.8	Y	Y	40A	40K		
36			13.8	54	NEW LONDON		65	3	PRESTON			13	6	Y	Y	40A	65K		
37			22.8	32	EAST HAMPTON		30	1	SCOTLAND			4	0.9	Y	Y	40A	25K		
38			13.8	71	NEW LONDON		65	3	STONINGTON			29	8.6	Y	Y	100A	65K		
39			22.8	122	DANIELSON		65	3	WOODSTOCK			21	6.9	Y	Y	100A	65K		
40			22.8	24	DANIELSON		40	3	EASTFORD			6.8	2	Y	Y	40A	40K		
41			22.8	58	DANIELSON		50	3	CANTERBURY			9.8	3.3	Y	Y	40A	40K		
42			13.8	117	NEW LONDON		30	1	STONINGTON			19	10.6	Y	Y	100A	65K		
43			13.8	29	NEW LONDON		30	1	GROTON			19	0.6	Y	Y	40A	40K		
44			4.16	71	NEW LONDON		65	1	STONINGTON			45	11.6	Y	Y	100A	65K		

Figure 2: Eastern TripSaver Replacement Locations

*Locations are subject to change based on field conditions and other variables between now and construction

EVERSOURCE

Operations Project Authorization Form

Attachment - C: Partial Funding PAF

Project Title: 2026 TripSaver Eastern BCA	**Project Number: CD02835**
Date Prepared: 03/09/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** SMART SWITCHES 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: 12/31/2026	**NWS Excludable:** ☐ Yes ☒ No
Total Capital Request: $589.4K	**Authorization Type:** Partial Funding

1. Executive Summary

This Project CD02835 was established to install TripSavers at fused lateral locations in Connecticut to reduce the number of outages caused by transient type events (Tree, Animal, Lightning, Patrolled Nothing Found). For the Eastern Division, there are a total of 55 locations.

Project Location

- Division: Eastern
- Districts: Danielson AWC, East Hampton AWC, Madison AWC, New London AWC
- Towns: Brooklyn, Canterbury, Eastford, Hampton, Lisbon, Thompson, Woodstock, Colchester, Columbia, East Haddam, Glastonbury, Hebron, Lebanon, Scotland, Windham, Haddam, Madison, Old Saybrook, East Lyme, Groton, Ledyard, Montville, North Stonington, Preston, Salem, Stonington, Waterford

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2026	Year 2027	Year 2028+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	32.1	0.0	0.0	32.1
Outside Services	65.9	0.0	0.0	65.9
Materials	306.0	0.0	0.0	306.0
Removals	35.2	0.0	0.0	35.2
Other	1.5	0.0	0.0	1.5
Risk and Contingency	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**440.8**	**0.0**	**0.0**	**440.8**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	141.6	0.0	0.0	141.6
Capitalized interest or AFUDC, if any	7.0	0.0	0.0	7.0
Subtotal – Indirect Costs	**148.6**	**0.0**	**0.0**	**148.6**
Total Gross Capital Costs	**589.4**	**0.0**	**0.0**	**589.4**
Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Total Net Capital Project Costs	**589.4**	**0.0**	**0.0**	**589.4**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

A TripSaver is a self–powered, electronically controlled, single–phase, cutout–mounted vacuum, interrupter recloser. The TripSaver is designed to eliminate the sustained interruption that occurs when a lateral fuse cutout operates in response to a transient fault. It also can eliminate momentary circuit interruptions that occur when a substation circuit breaker or source–side line recloser would otherwise trip to prevent a lateral fuse cutout from operating in response to a transient fault.

b. Project Need

For the 2026 Eastern Division TripSaver project, 55 fused lateral locations were selected based on a benefit cost analysis (BCA). The BCA utilized historical outage and interruption data to determine which laterals would benefit the most from a TripSaver replacement. Based on the standardized TripSaver improvement indices, 50% of customer interruption and 32% of customer minutes saved were utilized when estimating reliability improvements for this project. This project will reduce customer outages and improve system reliability. All locations were reviewed to determine the appropriate body size, fuse curve, and if each TripSaver coordinated with existing devices. Coordination changes were made as necessary and locations were rejected if DESM 10.431 criteria were not met.

Total Events	Events Saved	Total Customer Mins	Customer Mins Saved	Total Customers Effected	Customer Int Saved
159	80	1,655,923	132,474	10,953	1,369

Figure 1: Eastern TripSaver Customer Reliability Indices

c. Project Scope

Option 1, is the preferred option. This option looks to replace these fused lateral locations with TripSaver units. The scope of Option 1 is as follows:

AWC	Town(s)	WOs
Danielson	BROOKLYN	2
	CANTERBURY	3
	EASTFORD	1
	HAMPTON	1
	LISBON	1
	THOMPSON	1
	WOODSTOCK	1
East Hampton	COLCHESTER	1
	COLUMBIA	1
	EAST HADDAM	2
	GLASTONBURY	3
	HEBRON	4
	LEBANON	1
	SCOTLAND	2
	WINDHAM	2
Madison	HADDAM	1
	MADISON	1
	OLD SAYBROOK	1
New London	EAST LYME	1
	GROTON	3
	LEDYARD	4
	MONTVILLE	3
	NORTH STONINGTON	2
	PRESTON	1
	SALEM	5
	STONINGTON	5
	WATERFORD	2

Major Materials:

- 1ph TripSaver Locations: 53 (includes 1 additional location for coordination)
- 3ph TripSaver Locations: 3

Qty	Size	Body	Stock Code (as of 10/2025)
1	**25K**	**40A**	[redacted]
13	**40K**	**40A**	
1	**40K**	**100A**	
12	**65K**	**40A**	
9	**65K**	**100A**	
-	**80K**	**40A**	
-	**80K**	**100A**	
-	**80K**	**200A**	
1	**100K**	**40A**	
18	**100K**	**100A**	
-	**100K**	**200A**	
6	**140K**	**100A**	
1	**140K**	**200A**	
62			

4. Alternatives Considered

Project Option Comparison

Design Criteria	Option		
	1 – TripSavers	2 – NWS	3 – Do Nothing
Required to meet project need			
Optimize locations with TripSavers	X		
Provide alternative source during outage		X	
Authorization Type	Partial	Partial	Partial
Capital Cost	$589.4K	$90,759K	$0
Expense Cost	$25.8K	$3,976K	$0
Total Cost	$615.3K	$94,736K	$0
Total Cost / CM Saved	$4.64/CM	$715.13/CM	N/A
Total Cost / CI Saved	$449/CI	$69,201/CI	N/A
Preferred option	X		

Option Summary

Preferred:

The preferred option is option 1. This option will install TripSavers in place of the existing fuses on each of the selected laterals. This option is the preferred option because it is the most cost effective option.

Other(s):

The NWS requires the installation of batteries at each location to support up to 4 hours expected load. Additionally, each location would require further sectionalization to create the battery recovery zones. This option was not selected as the preferred option because it is not as cost efficient compared to Option 1 and does not support future growth in the areas. Future growth would reduce recovery durations and potentially require battery size increases to maintain reliability.

NWA estimate was calculated at $2M per MWh based on the two lowest of three contractor bids received in Connecticut.

The do-nothing option was not selected because it does not improve customer reliability. The locations were selected based on the high number of interruptions. By not addressing the large number of interruptions now, the continued poor reliability could lead to increased customer complaints and criticism.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	4/2/2026
100% Detailed Engineering Completion	6/31/2026
Fully Funded	7/31/2026
Construction Start	9/31/2026
In Service Date	12/31/2026

6. Regulatory Decisions

7. Codes and Standards

Codes and Standards
A. DSEM 06.713 – Overhead System Protection & Design Philosophy
B. DSEM 10.431 – TripSaver II General
C. WMS 09.10-234 – Operation Instruction for the S&C TripSaver II

8. Risk and Contingencies

Contingencies: 20% contingency was added for 2026 work. This contingency accounts for any risks that are unknown and do not have mitigation plans.

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2026	Low	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	2026	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2026	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.	2026	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2026	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2026	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2026	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.
Technological risks involving integration of new technology	2026	Low	Before use of new technology ensure support of standards and manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.

Wetlands / Environmentally sensitive area	2026	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1.
2.
3.

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. TripSaver Replacement Locations	*YES*
C. Project Authorization Checklist	*YES*
D. Initial Funding PAF	*YES*

Attachment - A: Cost Estimates

Design Alternative CD02835-01

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	20.00%
SubTotal:	$512,720
Contingency Amount:	$102,544
Estimate:	$615,264
Reimbursement:	$0
Net Amount:	**$615,264**
Description:	

Item Description	CU	$ / Per	Qty	Amount
SECTIONALIZE 1PH Tripsaver	25-OH41A	[redacted]		$440,960.00
SECTIONALIZE 3PH Tripsaver	25-OH41B			$71,760.00

Figure 2: Cost Estimates – Option 1 (preferred)

Attachment - B: TripSaver Replacement Locations*

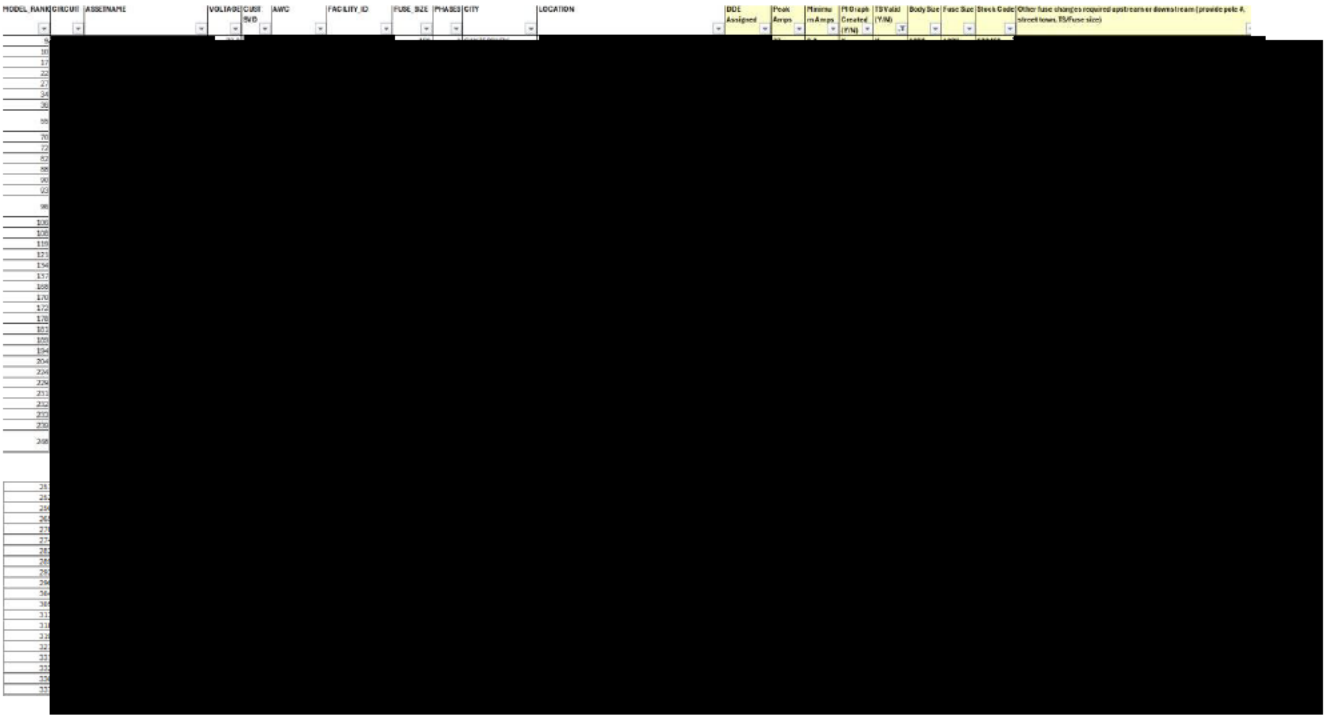


Figure 3: Eastern TripSaver Replacement Locations

*Locations are subject to change based on field conditions and other variables between now and construction

Attachment - C: Project Authorization Checklist

Project Authorization Checklist

Project Initiator: [redacted]

Project #: CD02835

Project Title: 2026 TripSaver Eastern BCA

Funding Type:

☒ Partial PAF ☐ Full PAF

Project Alternatives:

☐ Options considered ☐ Explanation why alternatives were not selected

☒ NWA considered ☒ Explanation why preferred option was selected

Project Requirements (Review all, and check all that apply):

NR = Not Required R=Required C = Complete

NR	R	C		NR	R	C	
☒	☐	☐	Easement	☒	☐	☐	TD007
☒	☐	☐	Trimming Estimate Received	☒	☐	☐	ROW trimming Estimate Received
☒	☐	☐	Environmental Review Initiated	☐	☒	☒	Review with Operations
☒	☐	☐	Permits (state roads)	☒	☐	☐	Underground permits
☒	☐	☐	P&C Settings	☒	☐	☐	Material long lead
☐	☒	☒	Synergi load flow	☒	☐	☐	Verify if Out-Of-Phase Tie Condition
☒	☐	☐	Add to Step Load Tracker (New Service or Load Transfer)	☒	☐	☐	TD914 Network Procedure Updated
☒	☐	☐	Network Contingency Plan Updated				

PAF Documents Attached:

☐ One Lines ☐ Geographical Map ☐ Load Projections ☒ Estimates

☒ Other Documents (List): TripSaver Review Spreadsheet

EVERSOURCE

Operations Project Authorization Form

Attachment - D: Initial Funding PAF

Project Title: 2026 Eastern BCA Trip Savers	**Project Number: CD02835**
Date Prepared: 03/06/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** SMART SWITCHES PROGRAM
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of 5-year plan?** Yes
	Emergency Related Request? No
Total Request ($): $30K	**Authorization Type:** Initial Funding

1. Project Need Statement

Project CD02835 was established to install Trip Savers at 55 fused lateral locations in Connecticut to reduce the number of outages caused by transient type events (Tree, Animal, Lightning, Patrolled Nothing Found).

Project Location

a. Division: Eastern

2. Project Objectives

This project will reduce transient type events. Based on the standardized recloser improvement indices, 50% of customer interruption & 32% customer minutes saved were utilized. This project will reduce customer outages and improve system reliability.

Project Initiator: [redacted]

Engineering Approval: _____