EVERSOURCE

Project Approval Form

Project Title: [redacted] Glastonbury CT	**Project Number: CD02244**
Date Prepared: 05/30/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** Generation/Interconnection
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** No
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	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: $143.4 (100% Reimbursable)	**Authorization Type:** Full Funding

1. Executive Summary

The purpose of this request is to approve the 100% reimbursable high-level estimate of **$143.4K.**

Full funding is being requested for this project at a cost of **$143.4K** which is **85%** of the partial funding capital estimate of **$167.3K**. There is no scope change on the project. The variance between the full funding and partial funding and partial funding estimate is due to a change in direct cost resulting from a decrease in outside services. This project is expected to be completed by internal resources.

VCP is proposing a 3.0 MW photovoltaic (PV) project, located at [redacted] The project will interconnect to the [redacted] The demarcation boundary between Eversource and the customer will be the primary metering.

Project will continue construction without RTEC.

Project Location:

Division: Eastern
District: East Hampton AWC
City/Town: Glastonbury, CT.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2024	Year 2025	Year 2026+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	1.4	13.8	0.0	15.2
Outside Services	3.8	0.0	0.0	3.8
Materials	61.7	0.0	0.0	61.7
Removals	2.1	0.0	0.0	2.1
Risk and Contingency	8.1	0.0	0.0	8.1
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**77.0**	**13.8**	**0.0**	**90.8**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	38.6	14.0	0.0	52.6
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal – Indirect Costs	**38.6**	**14.0**	**0.0**	**52.6**
Total Gross Capital Costs	**115.6**	**27.8**	**0.0**	**143.4**
Customer Contribution	**-115.6**	**-27.8**	**0.0**	**-143.4**
Total Net Capital Project Costs	**0.0**	**0.0**	**0.0**	**0.0**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

The customer will need a new three phase service with one primary meter and recloser.

The goal of this project is to provide service to the DER applicant to allow their generator to interconnect to the Eversource EPS. This project proposes the installation of a site-dedicated recloser and primary meter.

b. Project Need

The goal of this project is to provide service to the DER applicant to allow their generator to interconnect to the Eversource EPS. This project proposes the installation of a site-dedicated recloser and primary meter.

c. Project Scope

The new service will [redacted], this pole will mark the point in change in ownership from Eversource to the customer.

Material

- (1) OH Primary Meter
- (1) Recloser
- 600’ of 1/0 TW cable
- (3) poles for new service

4. Alternatives Considered

NWS Exclusion Criteria (select all that apply)

☒ Project cost < $250k	☐ New Service
☐ CDOT Relocation	☒ Generator interconnection project
☐ Maintenance, Asset condition or safety related*	

Project is a compliance obligation - no alternatives considered - no financial benefit

5. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	9/14/24
100% Detailed Engineering Completion	4/1/25
Fully Funded	6/5/25
Construction Start	7/1/25
In Service Date	12/31/25

6. Regulatory Decisions

N/A

7. Codes and Standards

- DSEM 06.51 Circuit Zones
- DSEM 06.52 Feeder Rating Design Goals
- DSEM 06.60 Selection of Overhead Construction Type
- DSEM 10.05 Overhead Distribution System Protection Guideline

8. Risk and Contingencies

Contingencies:

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2025	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	2025	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2025	Medium	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.	2025	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2025	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2025	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2025	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	2025	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	2025	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. P6 Schedule	*N/A*
C. Geographic Map	*YES*
D. System and Station One-Lines	*YES*
E. Partial PAF	*YES*

ATTACHMENT "A"

Code	Unit Type	Unit Description	Included	Unit of Measure	[redacted]	Total Cost	KEYWORD
ALL14	ALL	OTHER	Item not in list	$		$30,000	Primary Metering
ALL17	ALL	OH/DB/UG - SWITCHING NonNetwork - Average	Labor per switching order	EA		$4,562	SWITCHING
ALL18	ALL	OH/DB/UG - Traffic Control - Police Officer	$1000 / day / officer, Urban area, Main/State roads, 2 needed for reconductoring, multiple crews	$		$10,000	TRAFFIC
OH14A	OH	OH - JUNCTION POLE - 3ph (Eversource custodian)	Install and shift any 3ph JUNCTION with CLASS 1 pole - Eversource installs pole	LOC		$15,198	POLE
OH14B	OH	OH - Install/Replace Anchor and Guy	Install new anchor and guy for new or existing pole	LOC		$1,714	POLE
OH26a	OH	OH - Reconductor w/ 175 Mil Tree Wire - 3ph -1/0	Includes conductor, 50% pole replacements, poletops guys, arresters, c/o's, average trimming	FT		$12,012	OH WIRE
OH31	OH	OH - Neutral	Labor and Material to install neutral conductor	FT		$1,248	OH WIRE
OH38	OH	OH - Recloser - 3ph	Includes Replacing Pole, 6 Stirrups, 6 arresters, 3 Vertical Disc Switches, Control, etc.	LOC		$62,386	SECTIONALIZE
OH43	OH	OH - Vertical Disconnect Switches, 600/900 amp, 3-1ph	Includes: Pole replacement, Disconnects, 6 stirrups, arresters	LOC		$13,368	SECTIONALIZE
Total					**Sub-Total**	$150,489	
			Contingency/Contractor Contingency/Urban Adder		**24%**	$36,117	
					Total	**$186,606**	

ATTACHMENT "C"



ATTACHMENT "D"



ATTACHMENT "D"



ATTACHMENT "E" - PARTIAL PAF Document:

Operations Project Authorization Form

Project Title: VCP [redacted] Glastonbury CT	**Project Number: CD02244**
Date Prepared: 07/18/2023	**Company:** Eversource CT
Organization: Distributed Energy Resource Planning	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** Distributed Generation
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of original Operating Plan:** No
Estimated in service date: 12/31/2024	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? No	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution
Total Gross Capital Request: $167,300 (100% Reimbursable)	**Authorization Type:** Initial Funding

Executive Summary

The purpose of this request is to approve the 100% reimbursable high-level estimate of $167,300. This preliminary engineering estimate includes a 24% contingency for a projected December 31, 2024, in service date. Note, the total gross capital does not include the CIAC tax or witness test cost.

VCP is proposing a 3.0 MW photovoltaic (PV) project, located at [redacted]

[redacted] this pole will mark the point in change in ownership from Eversource to the customer.

Project Costs Summary

Capital Costs	2024	2025	2026+	Total
Internal Labor and Construction Equipment	9.9	0.0	0.0	9.9
Outside Services	53.9	0.0	0.0	53.9
Materials	22.0	0.0	0.0	22.0
Removals	22.4	0.0	0.0	22.4
Other	1.1	0.0	0.0	1.1
Risk and Contingency	0.0	0.0	0.0	0.0
Subtotal	**109.3**	**0.0**	**0.0**	**109.3**

Indirect Capital Costs	2024	2025	2026+	Total
Indirects/Overheads (including benefits)	54.3	0.0	0.0	54.3
Capitalized interest or AFUDC, if any	3.6	0.0	0.0	3.6
Subtotal	**57.9**	**0.0**	**0.0**	**57.9**
Total Capital Costs (Gross)	**167.3**	**0.0**	**0.0**	**167.3**
Less Total Customer Contribution	**-186.6**	**0.0**	**0.0**	**-186.6**
Project Costs (Net)	**0.0**	**0.0**	**0.0**	**0.0**

The below table illustrates the total cost that will be shared with the customer in the interconnection agreement. It includes a CIAC contribution as well as witness test fee.

Distribution cost	$186,606
CIAC 15%	$27,991
Total Distribution cost	$214,597
Witness Test	$2,000
TOTAL COST **paid by customer**	**$216,597**

Technical Justification:

Project Need, Objective and Justification:

[redacted]

The goal of this project is to provide service to the DER applicant to allow their generator to interconnect to the Eversource EPS. This project proposes the installation of a site-dedicated recloser and primary meter.

Project Scope:

[redacted]r, this pole will mark the point in change in ownership from Eversource to the customer.

Major Material:

- 1X OH Primary Meter
- 1X Recloser
- 600' of 1/0 TW cable
- 3X pole for new service

Background:

N/A

Alternatives Considered:

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

Project is a compliance obligation - no alternatives considered - no financial benefit

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	12/27/2023
Construction Start	01/30/2024
Testing/Commissioning	10/31/2024
In Service Date	12/31/2024

Risks and Risk Mitigation Plan

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2024	Low	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
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Wetlands / Environmentally sensitive area	2024	Low	Use of mats and specialty equipment, only work during certain times of the year.

References

N/A

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

Attachment A:



Attachment B:

Estimating Sheet					[redacted]		
Code	Unit Type	Unit Description	Included	Unit of Measure		Total Cost	KEYWORD
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ALL17	ALL	OH/DB/UG - SWITCHING NonNetwork - Average	Labor per switching order	EA		$4,562	SWITCHING
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Total					Sub-Total	$150,489	
			Contingency/Contractor Contingency/Urban Adder		24%	$36,117	
					Total	$186,606	

Attachment C:



