EVERSOURCE

Project Approval Form

Project Title: VCP [redacted] facility	Project Number: CD02124
Date Prepared: 08/14/2025	**Company:** Eversource CT
Organization: Distributed Energy Resource Planning	**Project Category:** DISTRIBUTED GENERATION-L4
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distributed Energy Resources	**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: 3/15/2026	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: $458.8k (100% Reimbursable)	**Authorization Type:** Full Funding

1. Executive Summary

Full funding is being requested for this project at a cost of $458.8k which is 94% of the partial funding capital estimate of $486.7k. CD02124 was partially approved on 5/30/2025. The project's decrease from its partial funding estimate is due to lower cost of outside services despite an increase in the cost of materials.

The project was originally presented as follows:

The purpose of this funding request is to approve the 100% reimbursable ENG estimate of $ 486.7K for VCP [redacted] The ENG estimate includes a 24% contingency for the estimated in-service date of December 31, 2024.

VCP [redacted], [redacted] connecting to the [redacted]. A distribution impact study determined the proposed generator has no negative impact on voltage or thermal violations on the distribution system.

The generator does not cause any flicker or rapid voltage change at the point of interconnection or anywhere on the [redacted]. This project does not cause any transient overvoltage, and it has no risk of islanding. The scope of work to interconnect this generator is to install new three-phase aerial cable approximately [redacted] to the point of interconnection, then installing 100' of 556 TW at the point of interconnection along with a new pole with a primary meter and a new pole with a recloser+ RTAC.

2. Project Cost Summary

Note: Dollar values are in thousands.

Financial Evaluation ($000's)

Capital Costs	2025 Actual	2025 Estimate	2026 Estimate	Total
Internal Labor and Construction Equipment	0.6	38.5	16.5	55.6
Outside Services	0.4	26.3	11.3	38.0
Materials	1.3	84.1	36.1	121.5
Removals	0.1	4.7	2.0	6.8
Risk and Contingency	0.0	22.1	9.5	31.6
Other	0.0	0.0	0.0	0.0
Subtotal	**2.4**	**175.8**	**75.3**	**253.5**

Indirect Capital Costs	2025 Actual	2025 Estimate	2026 Estimate	Total
Indirects/Overheads (including benefits)	5.9	139.5	59.8	205.2
Capitalized interest or AFUDC, if any	0.1	0.0	0.0	0.1
Subtotal	**5.9**	**139.5**	**59.8**	**205.3**

Total Capital Costs (Gross)	**8.3**	**315.3**	**135.1**	**458.8**
Less Total Customer Contribution	**-8.3**	**-315.3**	**-135.1**	**-458.7**
Project Costs (Net of Reimbursement)	**0.0**	**0.0**	**0.0**	**0.0**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

The DER customer, VCP [redacted] has requested Eversource to determine the impact of the generator on the electric power system. The impact study found there to be no negative impact on the primary or alternate feeder configurations. Aerial cable will be installed along [redacted] to extend three-phase lines to the customer's point of interconnection. The customer requires a new service with a 100

feet line extension, a primary meter, and a recloser. The new services will only benefit the DER customer and will allow the customer to access the Eversource EPS. All equipment downstream of the primary meter will be owned and operated by the customer.

b. Project Need

The goal of this project is to provide a new service to the DER applicant and to make upgrades on Castle Rock Road to allow the generator to interconnect to the Eversource EPS.

c. Project Scope



4. Alternatives Considered

No alternatives were considered.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	Complete
100% Detailed Engineering Completion	Complete
Fully Funded	8/14/2025
Construction Start	10/10/2025
In Service Date	3/15/2026

6. Regulatory Decisions

7. Codes and Standards

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.	2025-2026	High/Medium/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	2025-2026	High/Medium/Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2025-2026	High/Medium/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.	2025-2026	High/Medium/Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2025-2026	High/Medium/Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.

Storm delays	2025-2026	High/Medium/Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2025-2026	High/Medium/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	2025-2026	High/Medium/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	2025-2026	High/Medium/Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1.
2.
3.
4.

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	*NO*
E. Other	*N/A*

EVERSOURCE

Project Approval Form

Project Title: VCP [redacted]	Project Number: CD02124
Date Prepared: 05/30/2025	**Company:** Eversource CT
Organization: Choose an item	**Project Category:** Distributed Generation
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distributed Energy Resources	**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: 03/15/2026	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: $486.7K (100% Reimbursable)	**Authorization Type: Partial Funding**

1. Executive Summary

The purpose of this funding request is to approve the 100% reimbursable ENG estimate of

$ 486.7K for VCP [redacted]. The ENG estimate includes a 24% contingency for the estimated in service date of December 31, 2024.

VCP [redacted] is proposing a [redacted] connecting to the [redacted]. A distribution impact study determined the proposed generator has no negative impact on voltage or thermal violations on the distribution system.

The generator does not cause any flicker or rapid voltage change at the point of interconnection or anywhere on the [redacted]. This project does not cause any transient overvoltage and it has no risk of islanding. The scope of work to interconnect this generator is to install new three-phase aerial cable approximately 1,250' from pole 2597 to the point of interconnection, then installing 100' of 556 TW at the point of interconnection along with a new pole with a primary meter and a new pole with a recloser+ RTAC.

2.Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2025	Year 2026	Year 20__+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	4.1	1.4	0.0	5.4
Outside Services	189.2	63.1	0.0	252.2
Materials	10.9	3.6	0.0	14.6
Removals	22.6	7.5	0.0	30.1
Risk and Contingency	4.0	1.3	0.0	5.3
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**230.8**	**76.9**	**0.0**	**307.7**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	133.0	44.3	0.0	177.3
Capitalized interest or AFUDC, if any	1.3	0.4	0.0	1.7
Subtotal – Indirect Costs	**134.3**	**44.8**	**0.0**	**179.0**
Total Gross Capital Costs	**365.0**	**121.7**	**0.0**	**486.7**
Customer Contribution	**-365.0**	**-121.7**	**0.0**	**-486.7**
Total Net Capital Project Costs	**$0**	0.00	0.00	**$0**

Item	Description	Cost	Notes No.
1.	New Service and aerial cable extension	$548,842	
2.	**Subtotal**	**$548,842**	
3.	CIAC - 15%, (Contribution in Aid of Construction) See note 6 if exempt	$82,326	
4.	Subtotal with CIAC	$631,168	
5.	Witness Test	$2,000	
6.	**Total Construction cost**	**$633,168**	

3.Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

The DER customer, VCP [redacted] has requested Eversource to determine the impact of the generator on the electric power system. The impact study found there to be no negative impact on the primary or alternate feeder configurations. Aerial cable will be installed along [redacted] to extend three-phase lines to the customer's point of interconnection. The customer requires a new service with a 100 feet line extension, a primary meter, and a recloser. The new services will only benefit the DER customer and will allow the customer to access the Eversource EPS. All equipment downstream of the primary meter will be owned and operated by the customer.

b. Project Need

The goal of this project is to provide a new service to the DER applicant and to make upgrades on Castle Rock Road to allow the generator to interconnect to the Eversource EPS.

c. Project Scope

[redacted]

Background

The DER applicant is proposing a new service at their site at [redacted]. The customer will be responsible for all electrical design on the load side of the Eversource-owned primary meter.

An impact study was performed to study the effect of this generation on the [redacted] and the [redacted] All generation online or in queue ahead of the proposed generator was included in the impact study. The study found no negative impact to voltage or thermal limits on the distribution system due to the proposed generator. The generator does not cause any flicker or rapid voltage change at the point of interconnection or anywhere on the [redacted].

4. Alternatives Considered

No alternatives were considered.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	Complete
100% Detailed Engineering Completion	05/29/2025
Fully Funded	06/10/2025
Construction Start	06/10/2025
In Service Date	12/31/2025

6. Regulatory Decisions

7. Codes and Standards

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.
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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.
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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.
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Attachment	Included in Submittal?
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B. P6 Schedule	*N/A*
C. Geographic Map	*YES*
D. System and Station One-Lines	*NO*
E. Other	*N/A*
F.	

Cost estimate

