EVERSOURCE

Project Approval Form

Project Title [redacted]	**Project Number:** CD02104
Date Prepared: 10/02/2024	**Company:** Eversource CT
Organization: Distributed Energy Resource Planning	**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: 11/15/2024	
Total Capital Request: $124K (100% reimbursable)	**Authorization Type:** Full Funding

1. Executive Summary

An authorization for **$124K** is requested to upgrade distributed generation facilities at [redacted] in Middletown CT. Due to the urgency of this project, no partial funding estimate has been approved and this project is being requested for full funding at the amount specified.

[redacted] is proposing a 0.75 MW photovoltaic (PV) project, located at [redacted] Middletown. The project will interconnect to the [redacted]. The customer will need a new three phase service with one primary meter and recloser.

[redacted] The developer will need to secure site approval due to environmental restrictions before any construction can begin. Eversource performed a site walkdown to review the new service area and no environmental concerns were found. The interconnection agreement will state that the customer will be responsible for all environmental related costs.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2024	Total
Internal Labor and Construction Equipment	17.0	17.0
Outside Services	0.0	0.0
Materials	42.0	42.0
Removals	1.9	1.9
Risk and Contingency	8.6	8.6
Other	0.0	0.0
Subtotal	**69.5**	**69.5**

Indirect Capital Costs	Year 1	Total
Indirects/Overheads (including benefits)	54.5	54.5
Capitalized interest or AFUDC, if any	0.0	0.0
Subtotal	**54.5**	**54.5**
Total Capital Costs (Gross)	**124.0**	**124.0**
Less Total Customer Contribution	**-156.4**	**-156.4**
Project Costs (Net of Reimbursement)	**-32.4**	**-32.4**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

The developer will need to secure site approval due to environmental restrictions before any construction can begin. Eversource performed a site walkdown to review the new service area and no environmental concerns were found. The interconnection agreement will state that the customer will be responsible for all environmental related costs.

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

[redacted]. The developer will need to secure site approval due to environmental restrictions before any construction can begin. Eversource performed a site walkdown to review the new service area and no environmental concerns were found. The interconnection agreement will state that the customer will be responsible for all environmental related costs.

4. Alternatives Considered

There were no alternatives considered. The [redacted] circuit currently feeds the site where the PV is proposed. There are no other nearby three phase circuits that could be used for interconnection.

5. Project Schedule

Add any additional milestones that are pertinent to the project.

Milestone/Phase Name	Estimated Date
100% Detailed Engineering Completion	6/1/2023
Issuance of Interconnection Agreement	6/20/2023
Construction Start	11/1/2024
In Service Date	11/15/2024

6. Regulatory Decisions

7. Codes and Standards

8. Risk and Contingencies

Contingencies: A 24% contingency was added for an in-service date one year out.

Risk Mitigation: No additional dollars were allocated for risk. The project will be required to go to a facility study to develop binding costs for detailed engineering.

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. The new service is a standard design.
Customer Permission / Siting Council / Municipal approvals	2024	Low	This project does not require any additional work outside a new three phase service.
Internal construction resources not available to perform the work.	2024	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.	2024	Low	Plan internal resources to perform the work.
Materials Shortage or long lead times	2024	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2024	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2024	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	2024	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	2024	Low	The new service poles/equipment will require a limited easement to the customer's site and is not anticipated to go in wetlands.

9. References

References
1. DSEM- Distributed Generation- Remote monitoring and control- 7.0
2. DSEM- Distributed Generation- General Standards- Large scale DER 1.4.1
3. DSEM- New Service- NB-3-7a
4. DER Planning Guide

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. Geographic Map	*YES*
C. System and Station One-Lines	*YES*
D. Project SLD	*YES*
E. Site Plan	*YES*





[redacted]



