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Project Approval Form

Project Title: [redacted]	**Project Number:** CD01412
Date Prepared: 05/05/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** Distributed Generation
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: 11/01/2025	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: **$126.6K** (100% Reimbursable)	**Authorization Type:** Full Funding

1. Executive Summary

This request is to approve the 100% reimbursable full funding estimate of $126.6K. The full funding estimate is 98% of the partial funding estimate.

Below is the partial funding request:
The purpose of this request is to approve the 100% reimbursable partial funding estimate of $129,000. 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.

[redacted].

The new service will be constructed with new poles nearest to existing pole [redacted]. A distribution system supplemental review determined that the proposed 1.3MW system will not have adverse impacts to voltage, power quality, or thermal constraints on the [redacted]. The distribution system supplemental review also determined that the proposed DER will not need a direct transfer trip scheme.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2025	2026	Year 3+	Total
Internal Labor and Construction Equipment	8.8	0.0	0.0	8.8
Outside Services	0.0	0.0	0.0	0.0
Materials	53.9	0.0	0.0	53.9
Removals	2.0	0.0	0.0	2.0
Risk and Contingency	8.8	0.0	0.0	8.8
Other	0.0	0.0	0.0	0.0
Subtotal	**73.6**	**0.0**	**0.0**	**73.6**

Indirect Capital Costs	2025	2026	Year 3+	Total
Indirects/Overheads (including benefits)	53.0	0.0	0.0	53.0
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal	**53.0**	**0.0**	**0.0**	**53.0**
Total Capital Costs (Gross)	**126.6**	**0.0**	**0.0**	**126.6**
Less Total Customer Contribution	**-126.6**	**0.0**	**0.0**	**-126.6**
Project Costs (Net of Reimbursement)	**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 Including O&M	$148,582
CIAC – Tax 11%	$16,344
Total Distribution cost	$164,926
Witness Test	$2,000
TOTAL Customer Contribution in Aide of Construction **paid by customer**	**$166,926**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

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]

4. Alternatives Considered

NWS

If NWS is excludable, complete the NWS Exclusion Criteria table and remove NWS option from the Project Option Comparison table below:

NWS Exclusion Criteria (select all that apply)

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

There were no alternatives considered. The [redacted] where the PV is proposed.

5. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	2/14/2020
Issuance of Interconnection Agreement	4/17/2020
100% Detailed Engineering Completion	6/01/2024
Fully Funded	6/01/2025
Construction Start	6/10/2025
In Service Date	11/01/2025

6. Regulatory Decisions

N/A

7. Codes and Standards

See Section 8 below

8. Risk and Contingencies

9. Contingencies: A 24% contingency was added for an in-service date one year out.
10. Risk Mitigation: No additional dollars were allocated for risk. Based on the scope of work, risk is expected to be minimal.

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. The new service is a standard design.
Customer Permission / Siting Council / Municipal approvals	2025	Low	This project requires Eversource to coordinate a line extension of about 150 feet on a side road
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.
Materials Shortage or long lead times	2025	Low	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	The new service poles/equipment will require a limited easement to the customer's site and is not anticipated to go in wetlands.

11. 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

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

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. Geographic Map	*YES*
C. One Line	*YES*
D. Project SLD	*YES*
E. Partial PAF	*YES*

A Cost Estimate

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2016 Estimating Sheet (Updated 1/21/16)

Code	Unit Type	Unit Description	Included	Unit of Measu	Unit Co**	Quantit*	Total Cost	KEYWORD	
ALL14	ALL	OTHER	Item not in list	$	[redacted]		$30,000	OTHER	primary metering to be installed on new pole on customer property
OH14A	OH	OH - JUNCTION POLE - 3ph (CL&P custodian)	Install and shift any 3ph JUNCTION with CLASS [redacted] pole - CL&P installs pole	LOC			$11,690	POLE	replace pole [redacted]
OH33	OH	OH - Line Extension - 3ph (1/0 gauge)	Includes conductor, poles, poletops, arresters, c/o's, guys, average trimming	FT			$26,400	OH WIRE	extend 3 ph 1/0 TW [redacted] feet from pole [redacted] on customer property. (2 spans, 2 poles)
OH38	OH	OH - Recloser - 3ph	Includes Replacing Pole, [redacted] Stirrups, [redacted] arresters, [redacted] Vertical Disc Switches, Control, etc	LOC			$47,990	SECTIONALIZE	one radial recloser [redacted] c 529738 cntl 518938 on customer property
Total					Sub-Total		$116,080		
			Contingency/Contractor Contingency/Urban Adder			24%	$27,859		
					Total		$143,939		

A. B Geographic Map

[redacted]

C Circuit one line

[redacted]

A. D Project SLD



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E. Partial PAF

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Project Title: [redacted]	**Project Number:** CD01412
Date Prepared: 12/11/2019	**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: 12/31/2024	
Total Capital Request: $129,000 (100% Reimbursable)	**Authorization Type:** Partial Funding

Executive Summary

The purpose of this request is to approve the 100% reimbursable partial funding estimate of $129,000. 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.

[redacted]

[redacted]

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1. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2024	2025	2026+	Total
Internal Labor and Construction Equipment	7.7	0.0	0.0	7.7
Outside Services	41.6	0.0	0.0	41.6
Materials	17.0	0.0	0.0	17.0
Removals	17.3	0.0	0.0	17.3
Other	0.8	0.0	0.0	0.8
Risk and Contingency	0.0	0.0	0.0	0.0
Subtotal	**84.3**	**0.0**	**0.0**	**84.3**

Indirect Capital Costs	2024	2025	2026+	Total
Indirects/Overheads (including benefits)	44.7	0.0	0.0	44.7
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal	**44.7**	**0.0**	**0.0**	**44.7**
Total Capital Costs (Gross)	**129.0**	**0.0**	**0.0**	**129.0**
Less Total Customer Contribution	**-129.0**	**0.0**	**0.0**	**-129.0**
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 Including O&M	$148,582
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Total Distribution cost	$164,926
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TOTAL Customer Contribution in Aide of Construction paid by customer	**$166,926**

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2. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

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]

3. Alternatives Considered

There were no alternatives considered. The [redacted] circuit currently feeds the landfill where the PV is proposed.

4. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	2/14/2020
Issuance of Interconnection Agreement	4/17/2020
100% Detailed Engineering Completion	6/01/2024
Fully Funded	6/11/2024
Construction Start	6/18/2024

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Milestone/Phase Name	Estimated Date
In Service Date	12/31/2024

5. Regulatory Decisions

N/A

6. Codes and Standards

See Section 8 below

7. 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. Based on the scope of work, risk is expected to be minimal.

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. The new service is a standard design.
Customer Permission / Siting Council / Municipal approvals	2024/2025	Low	This project requires Eversource to coordinate a line extension of about 150 feet on a side road
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.

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

Attachment	Included in Submittal?
A. Cost Estimate 	*YES*
B. Geographic Map 	*YES*
C. Circuit one line	

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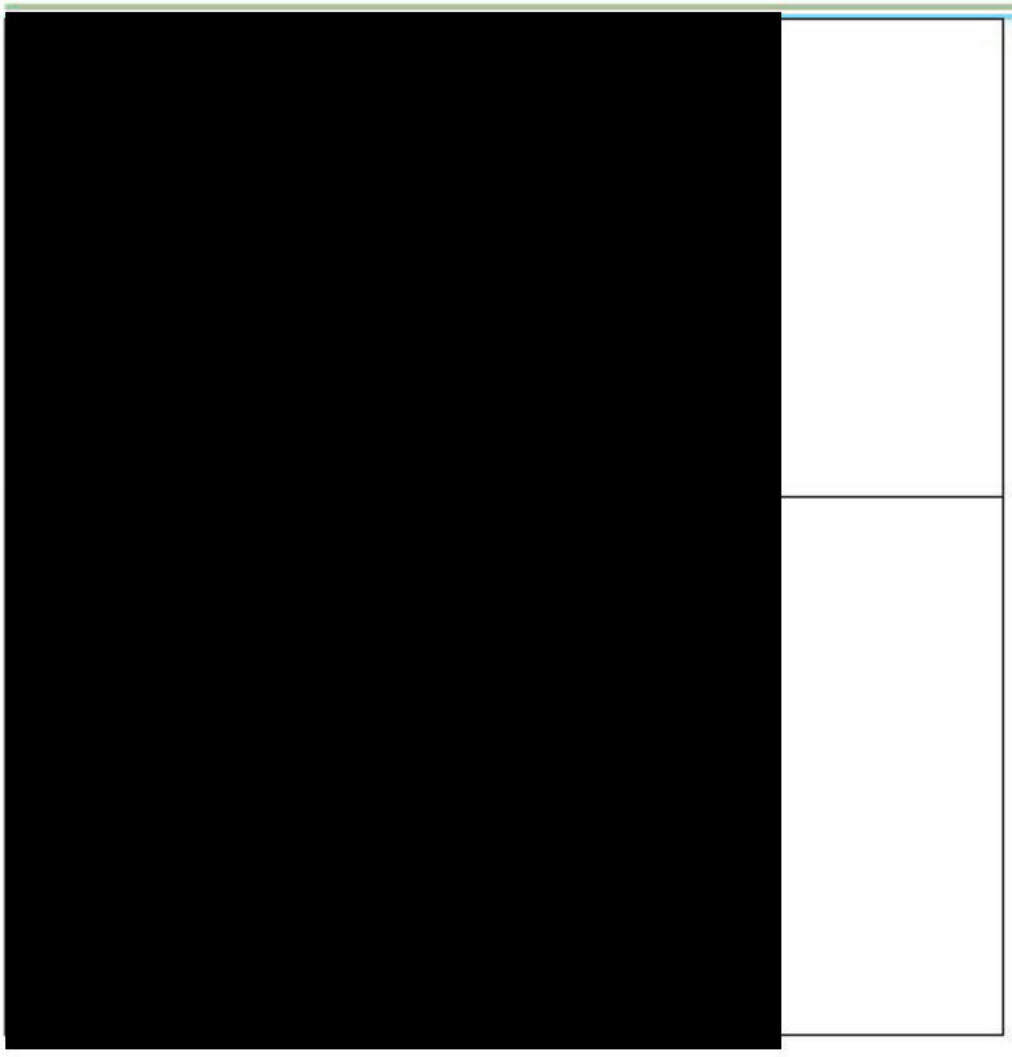

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