EVERSOURCE

Project Approval Form

Project Title: [redacted]	**Project Number:** CD01399
Date Prepared: 07/31/2025	**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: 11/1/25	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: $304.2K, 100% reimbursable	**Authorization Type:** Full Funding

1. Executive Summary

Full Funding is being requested for $304.2K, 45% over the Partial Funding estimate of $209.4K, a difference of $94.7K. The overage is due to the following reasons:

1) Indirects/overheads charges: $49K higher than estimated in the Partial Funding PAF from year 2020 ($128K vs $79K).
2) Material: $31K higher than estimated in the Partial Funding from year 2020 ($114K vs $83K). Material costs have trended higher over the last five years since the Partial Funding.

[redacted] The DG also did not have any adverse impacts to the voltage regulating equipment on the circuit. The DER will be required to operate with a ramp rate to mitigate flicker concerns.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2025	2026	2027	Total
Internal Labor and Construction Equipment	35.3	0.0	0.0	35.3
Outside Services	0.6	0.0	0.0	0.6
Materials	114.4	0.0	0.0	114.4
Removals	4.8	0.0	0.0	4.8
Other	21.2	0.0	0.0	21.2
Risk and Contingency	0.0	0.0	0.0	0.0
Subtotal	**176.2**	**0.0**	**0.0**	**176.2**

Indirect Capital Costs				
Indirects/Overheads (including benefits)	128.0	0.0	0.0	128.0
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal	**128.0**	**0.0**	**0.0**	**128.0**
Total Capital Costs (Gross)	**304.2**	**0.0**	**0.0**	**304.2**
Less Total Customer Contribution	**-304.2**	**0.0**	**0.0**	**-304.2**
Project Costs (Net)	**0.0**	**0.0**	**0.0**	**0.0**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

[redacted]

b. Project Need

This is an interconnection requirement. The proposed solutions are standard industry practice for the issues that were identified in the system impact study.

c. Project Scope

New service poles will be needed to provide electrical service from the Eversource [redacted] to the proposed solar farm at [redacted], CT. The new service will be [redacted]. [redacted] The change of point of ownership occurs on the load side of the Eversource owned primary meter. Wil[redacted]

Material:

- Primary metering – 1
- Recloser – 2
- Poles – 3

4. Alternatives Considered

The project is a compliance obligation. There were no alternatives considered. There is no financial benefit. The customer's frontage [redacted]. There was no need to review alternate feeders.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	2/6/20
100% Detailed Engineering Completion	5/31/25
Fully Funded	7/31/25
Construction Start	8/1/25
In Service Date	11/1/25

6. Regulatory Decisions

7. Codes and Standards

8. Risk and Contingencies

Contingencies:

A 10% contingency was added, standard for projects that undergo a facility study.

Risk Mitigation:

No additional dollars were included for risk; but undergoing a facility study will reduce the risk of a higher estimate based on the tabletop review.

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	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	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
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	Use of mats and specialty equipment, only work during certain times of the year.

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. One-line	*YES*

Attachment A: Cost Estimate

Connecticut Light & Power
A Northeast Utilities Company

Project Design Alternative: 1
Project: CD01399 [redacted]

Design Alternative CD01399-01

Estimate

Preliminary Estimate Summary	
Revision Number:	0
Contingency:	24.00%
SubTotal:	$150,717
Contingency Amount:	$36,172
Estimate:	$186,889
Reimbursement:	$186,889
Net Amount:	$0
Description:	

Item Description	CU	$ / Per	Qty	Amount
OTHER OTHER [redacted] / day / officer, Urban area, Main/State roads, 2 needed for reconductoring, multiple crews	16-ALL14	[redacted]		$2,000.00
OTHER OTHER Includes conductor, poles, poletops, arresters, c/o's, guys, average trimming	16-ALL14	[redacted]		$5,200.00
OTHER OTHER Includes Replacing Pole[redacted] Stirrups[redacted]arresters,[redacted]ertical Disc Switches, Control, etc.	16-ALL14	[redacted]		$95,979.00
OTHER OTHER Install and shift any 3ph pole	16-ALL14	[redacted]		$14,028.00
OTHER OTHER Labor per switching order	16-ALL14	[redacted]		$3,510.00
OTHER OTHER Primary Metering	16-ALL14	[redacted]		$30,000.00

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]	GREEN HILL RD FAWN BROOK CIR	MADISON	[redacted]		2906	

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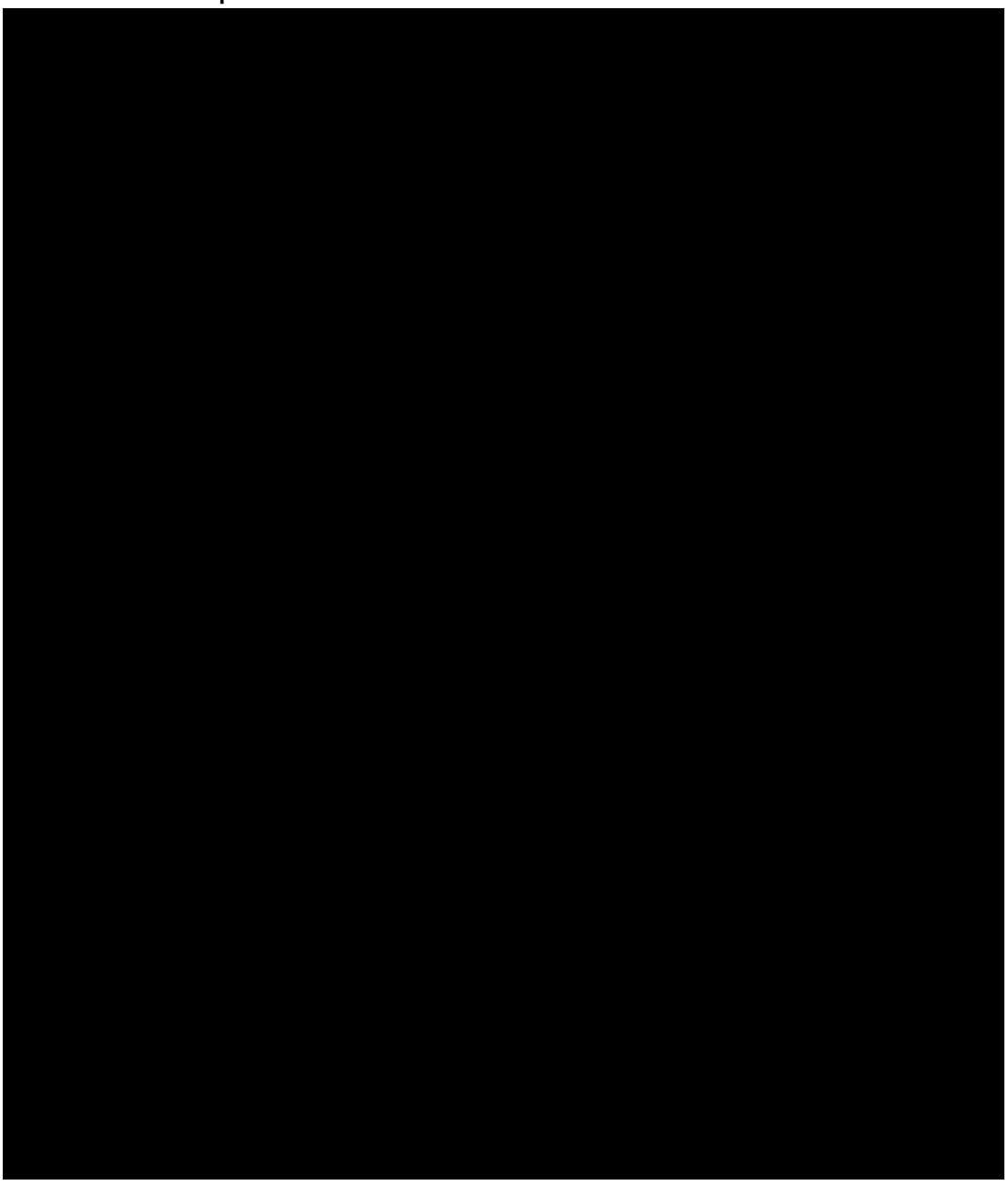
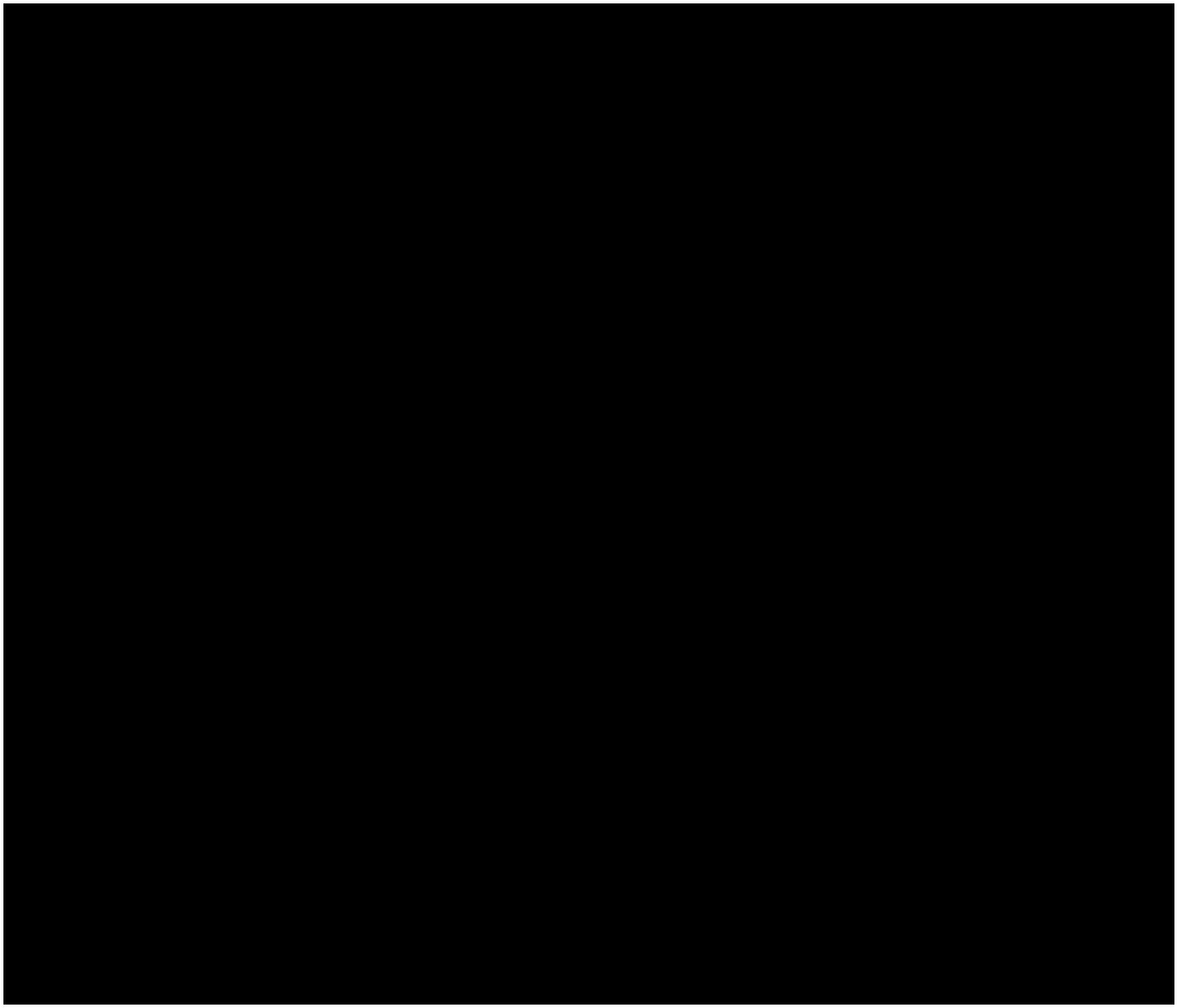
Attachment B: map



Attachment C: One-Line



EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Date Prepared: February 6, 2020	**Project Title:** [redacted]
Company/ies: Eversource CT	**Project ID Number:** CD01399
Organization: Distribution Electric	**Class(es) of Plant:** Distribution
Project Initiator [redacted]	**Project Category:** Distributed Generation
Project Manager [redacted]	**Project Type:** Specific
Project Sponsor [redacted]	**Project Purpose:** Distributed Generation New Service
Estimated in service date: June 25, 2021	**If Transmission Project: PTF?** N/A
Eng. /Constr. Resources Budgeted? No	**Capital Investment Part of Original Operating Plan?**
Authorization Type: Preliminary	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $209,447 (100% Reimbursable)	

Financial Requirements:

Project Authorization
ERM: _____

FP&A: _____

Executive Summary

[redacted]

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Project Authorization Form

Project Costs Summary

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$119,576	$0	$0	$119,576
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ___%	$0	$2,833	$0	$0	$2,833
Total - Direct Spending	$0	$122,409	$0	$0	$122,409
Capital Additions - Indirect	$0	$76,683	$0	$0	$76,683
Subtotal Request	$0	$199,092	$0	$0	$199,092
AFUDC	$0	$2,388	$0	$0	$2,388
Total Capital Request	$0	$201,480	$0	$0	$201,480
O&M	$0	$7,967	$0	$0	$7,967
Total Request	$0	$209,447	$0	$0	$209,447

Financial Evaluation

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$18,141	$0	$0	$18,141
Overtime Labor	$4,929	$0	$0	$4,929
Outside Services	$15,752	$0	$0	$15,752
Materials	$83,101	$0	$0	$83,101
Other, including contingency amounts (describe)	$485	$0	$0	$485
Total Direct Costs	**$122,409**	**$0**	**$0**	**$122,409**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$76,683	$0	$0	$76,683
Capitalized interest or AFUDC, if any	$2,296	$0	$0	$2,296
Total Indirect Costs	**$78,980**	**$0**	**$0**	**$78,980**
Total Capital Costs	**$201,388**	**$0**	**$0**	**$201,388**
Less Total Customer Contribution	**$209,447**	**$0**	**$0**	**$209,447**
Total Capital Project Costs	**($8,059)**	**$0**	**$0**	**($8,059)**
Total O&M Project Costs	**$8,059**	**$0**	**$0**	**$8,059**
Total Project Cost	**$ 0**	**$ -**	**$ -**	**$ 0**

Note: Explain unique payment provisions, if applicable

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Technical Justification:

Project Need Statement

[redacted]

Project Objectives

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

Project Scope

New Service

[redacted]

Major Material:

Eversource will need to procure one primary meter, a site dedicated recloser, and new service poles. Eversource will also procure one additional radial reclosers [redacted] to replace upstream fuse on pole 2252.

Background / Justification

The DER applicant is proposing a new service at their inverter-based PV located at [redacted] CT 06443. There is currently no electrical service provided to the existing infrastructure.

Business Process and / or Technical Improvements:

This proposal will allow for the interconnection of clean, photovoltaic power and will allow the DER applicant to interconnect to the Eversource EPS and fulfill their ZREC requirements. There are currently no electrical services to the proposed solar farm.

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Alternatives Considered with Cost Estimates

There are currently no alternate circuits that could interconnect the proposed DG. Based on Eversource standards, the proposed new service design is typical of what Eversource field engineering would procure as this design was provided by the local circuit owner.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Engineering	Complete
Detailed Design	9/4/2020
Construction	1/8/2021
Anticipated In Service Date	6/25/2021

Regulatory Approvals

N/A and not anticipated at this time.

Risks and Risk Mitigation Plans

N/A, we expect the customer to go to construction.

References

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

