EVERSOURCE

Project Approval Form

Project Title: Verogy, Upper Road, Stafford Springs	**Project Number:** CD02239
Date Prepared: 09/25/2025	**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:** Yes
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: $414.7K (100% Reimbursable)	**Authorization Type:** Full Funding

1. Executive Summary

A 4.0 MW photovoltaic (PV) array to be installed at 92 Upper Road, Stafford Springs, CT. The project will interconnect [redacted]

[redacted]

[redacted]

- Project Location
  - Division: Central
  - District: Tolland AWC
  - City/Town: Stafford Springs

The partial funding estimate for this project was $482.2K capital and was approved at the 12/07/2023 CTPAC. The full funding request is $414.7K capital. The difference in cost equates to $67.5K, a decrease of 14% of the cost of the project. There was no change in scope change to the project.

The cost difference between the partial and full funding estimates are due to Eversource crews scheduled to do the work instead of Contractor crews.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2025	Total
Internal Labor and Construction Equipment	51.0	51.0
Outside Services	0.0	0.0
Materials	126.2	126.2
Removals	5.7	5.7
Risk and Contingency	28.9	28.9
Other	0.0	0.0
Subtotal	**211.8**	**211.8**

Indirect Capital Costs	2025	Total
Indirects/Overheads (including benefits)	202.9	202.9
Capitalized interest or AFUDC, if any	0.0	0.0
Subtotal	**202.9**	**202.9**
Total Capital Costs (Gross)	**414.7**	**414.7**
Less Total Customer Contribution	**-414.7**	**-414.7**
Project Costs (Net of Reimbursement)	**0.0**	**0.0**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

Verogy is proposing a 4.0 MW photovoltaic (PV) project, located at 92 Upper Road, Stafford Springs, CT. The project will interconnect [redacted]

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. Additional upgrades to the Eversource electric power system include replacing upstream trip savers with radial reclosers and extend three-phase conductors.

c. Project Scope



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 Option Comparison

Design Criteria	Option
	1 – Extend Circuit
Required to meet project need	
Normal loads < 80% of UG rating	X
Normal loads < 90% of OH rating	X
Contingent loads < 100% of rating	
Additional Benefits (not required to meet scope of project)	
All zones < 500 customers	X
Additional ties created	2
Eliminates PILC	
Reconfigure double circuit pole lines where both the normal and alternate supply the same group of customers	X
No automatic circuit ties with circuits emanating from the same bus	X
Eliminate triple circuit pole line	N/A

Option Summary

There were no other options considered for this this design.

5. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	December 2023
100% Detailed Engineering Completion	August 2025
Fully Funded	September 2025
Construction Start	October 2025
In Service Date	December 2025

6. Regulatory Decisions

N/A

7. Codes and Standards

N/A

8. Risk and Contingencies

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 project will also require a facility study to perform the detailed engineering.
Customer Permission / Siting Council / Municipal approvals	2025	Medium	New service requires limited easement with the existing customer.
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	Medium	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	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. N/A

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

Attachment	Included in Submittal?
A. Partial Funding PAF	*YES*

EVERSOURCE

Project Approval Form

Attachment A: Partial Funding PAF

Project Title: Verogy, Upper Road, Stafford Springs	**Project Number:** CD02239
Date Prepared: 11/22/2023	**Company:** Eversource CT
Organization: Distributed Energy Resource Planning	**Project Category:** Distributed Generation
Project Initiator: [redacted]-Borjas	**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: 6/30/2025	
Total Capital Request: $482,200 (100% Reimbursable)	**Authorization Type:** Partial Funding

1. Executive Summary

The purpose of this request is to approve the 100% reimbursable preliminary engineering estimate of $482,200. This preliminary engineering estimate includes a 24% contingency for a projected June 30, 2025, in service date. Note, the total gross capital does not include the CIAC tax or witness test cost. Those costs are illustrated in the Project Cost Summary section. The project will be in the Central Division, in the Town of Mansfield in the Tolland AWC.

Verogy is proposing a 4.0 MW photovoltaic (PV) project, located at 92 Upper Road, Stafford Springs CT. The project will interconnect [redacted]

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2024	Year 2025	Year 2026+	Total
Direct Capital Costs	11.5	17.2	0.0	28.6
Internal Labor and Construction Equipment	62.2	93.3	0.0	155.4
Outside Services	25.3	38.0	0.0	63.4
Materials	25.9	38.8	0.0	64.6
Removals	11.5	17.2	0.0	28.6
Risk and Contingency	0.0	0.0	0.0	0.0
Other	1.3	1.9	0.0	3.1
Subtotal – Direct Costs	**126.1**	**189.1**	**0.0**	**315.2**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	66.8	100.2	0.0	167.0
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal – Indirect Costs	**66.8**	**100.2**	**0.0**	**167.0**
Total Gross Capital Costs	**192.9**	**289.3**	**0.0**	**482.2**
Customer Contribution	**-192.9**	**-289.3**	**0.0**	**-482.2**
Total Net Capital Project Costs	**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 with O&M	$537,947
CIAC Tax (15%)	$80,693
Total Distribution cost	$618,640
Witness Test	$2,000
TOTAL CIAC **paid by customer**	**$620,640**

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

Verogy is proposing a 4.0 MW photovoltaic (PV) project, located at 92 Upper Road, Stafford Springs CT. The project will interconnect [redacted]

- Division: Central
- District: Tolland
- City: Stafford Springs

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. Additional upgrades to the Eversource electric power system include relocating voltage regulators and replacing upstream fuses with disconnect switches and radial reclosers.

c. Project Scope

[redacted]

4. Alternatives Considered

[redacted]

5. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	11/30/2023
Issuance of Interconnection Agreement	3/01/2024
100% Detailed Engineering Completion	5/01/2024
Fully Funded	6/30/2024
Construction Start	3/01/2025
In Service Date	6/30/2025

6. Regulatory Decisions

N/A

7. Codes and Standards

See section 9.

8. Risk and Contingencies

Contingencies:

A 24% contingency was added, consistent with an in-service date one year out.

Risk Mitigation:

No additional dollars were included for risk. Minimal risk is anticipated based on the scope of work.

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.
Customer Permission / Siting Council / Municipal approvals	2024/2025	Medium	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2024/2025	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.	2024	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
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	Use of mats and specialty equipment, only work during certain times of the year.

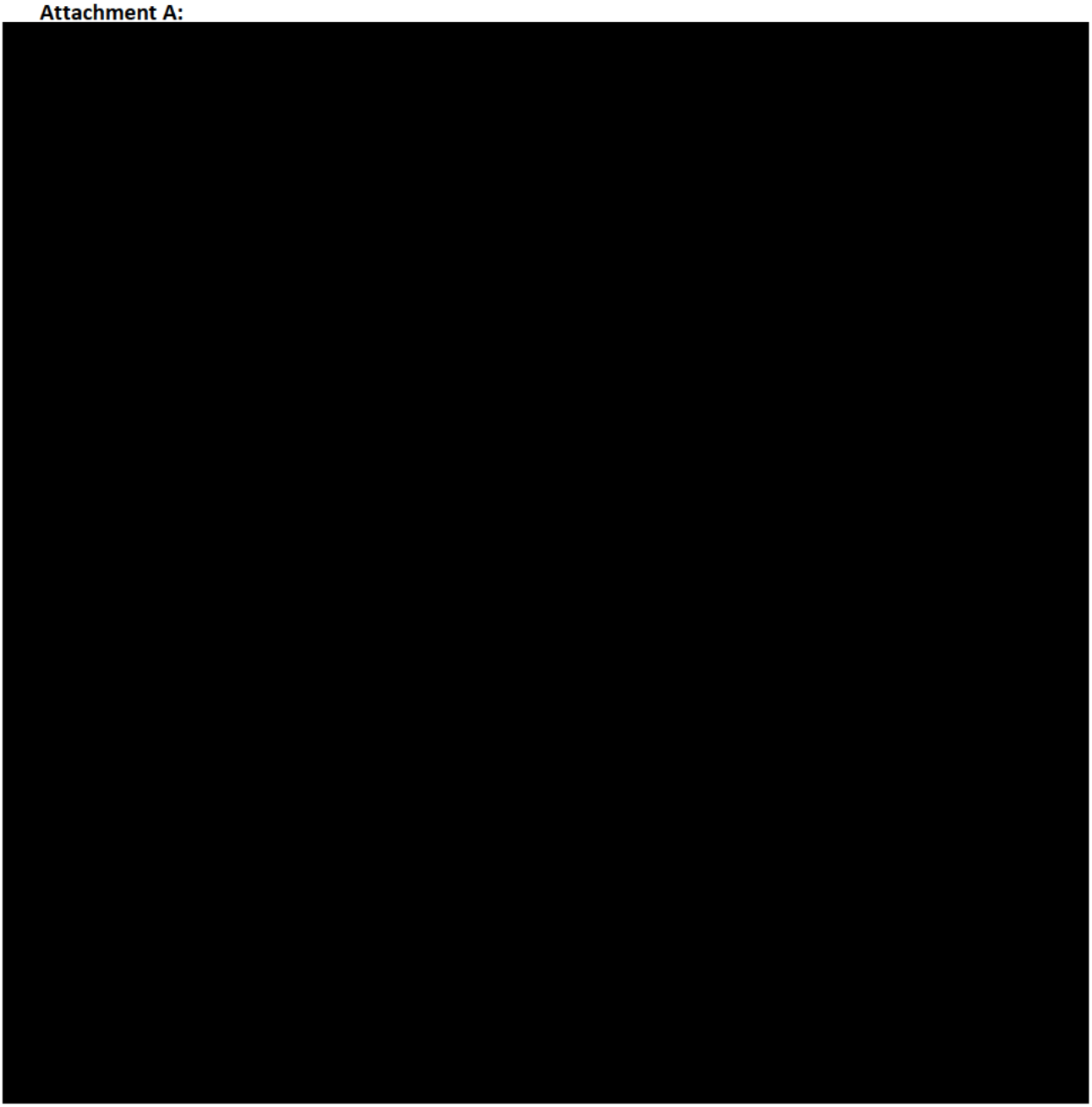
9. References

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
5.

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

Attachment	Included in Submittal?
A. Geographic Map	*YES*
B. Cost Estimate	*YES*
C. System and Station One-Lines	*YES*
D. Customer Single Line Diagram	*YES*

Attachment A:



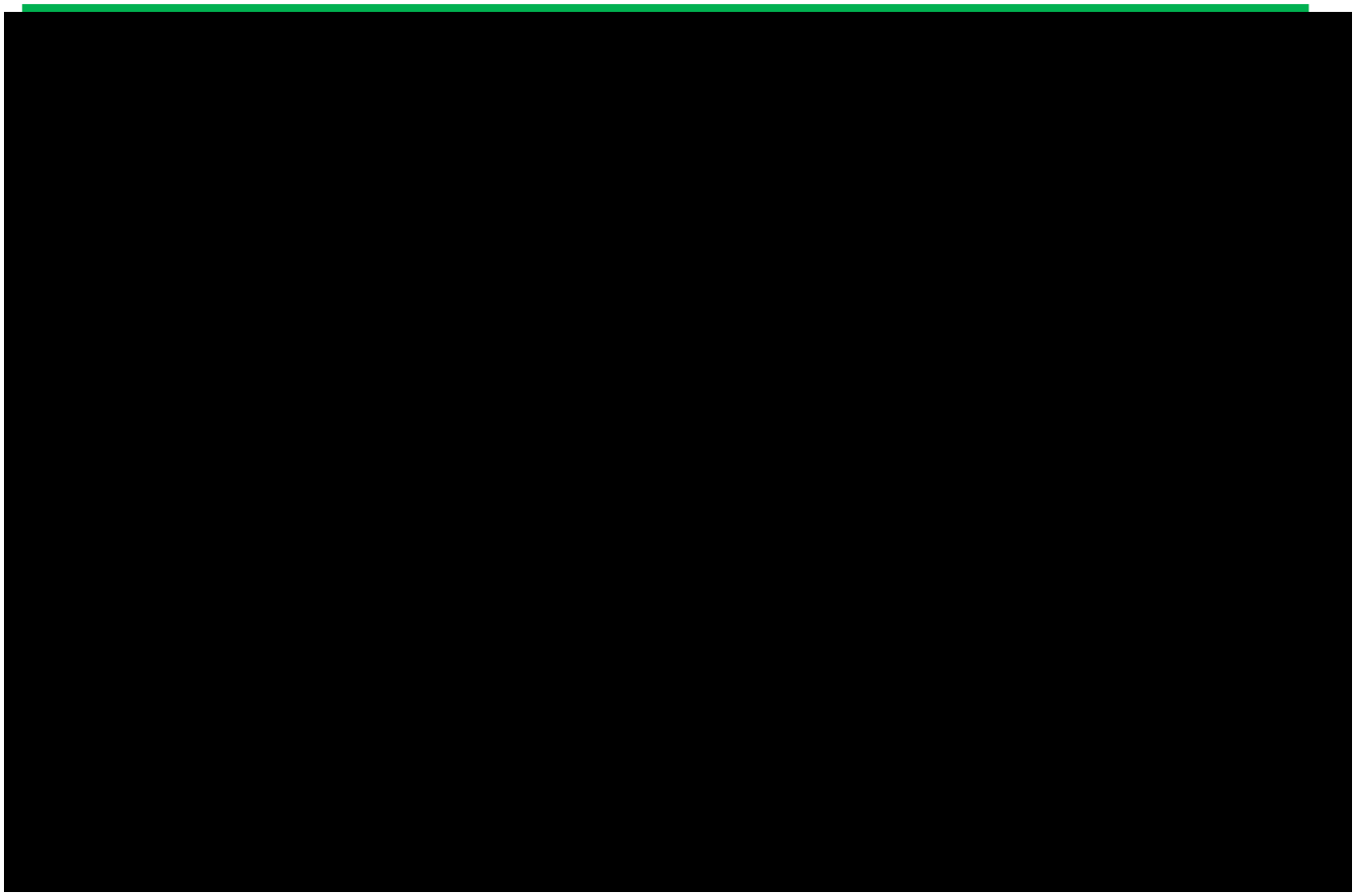
Attachment B:



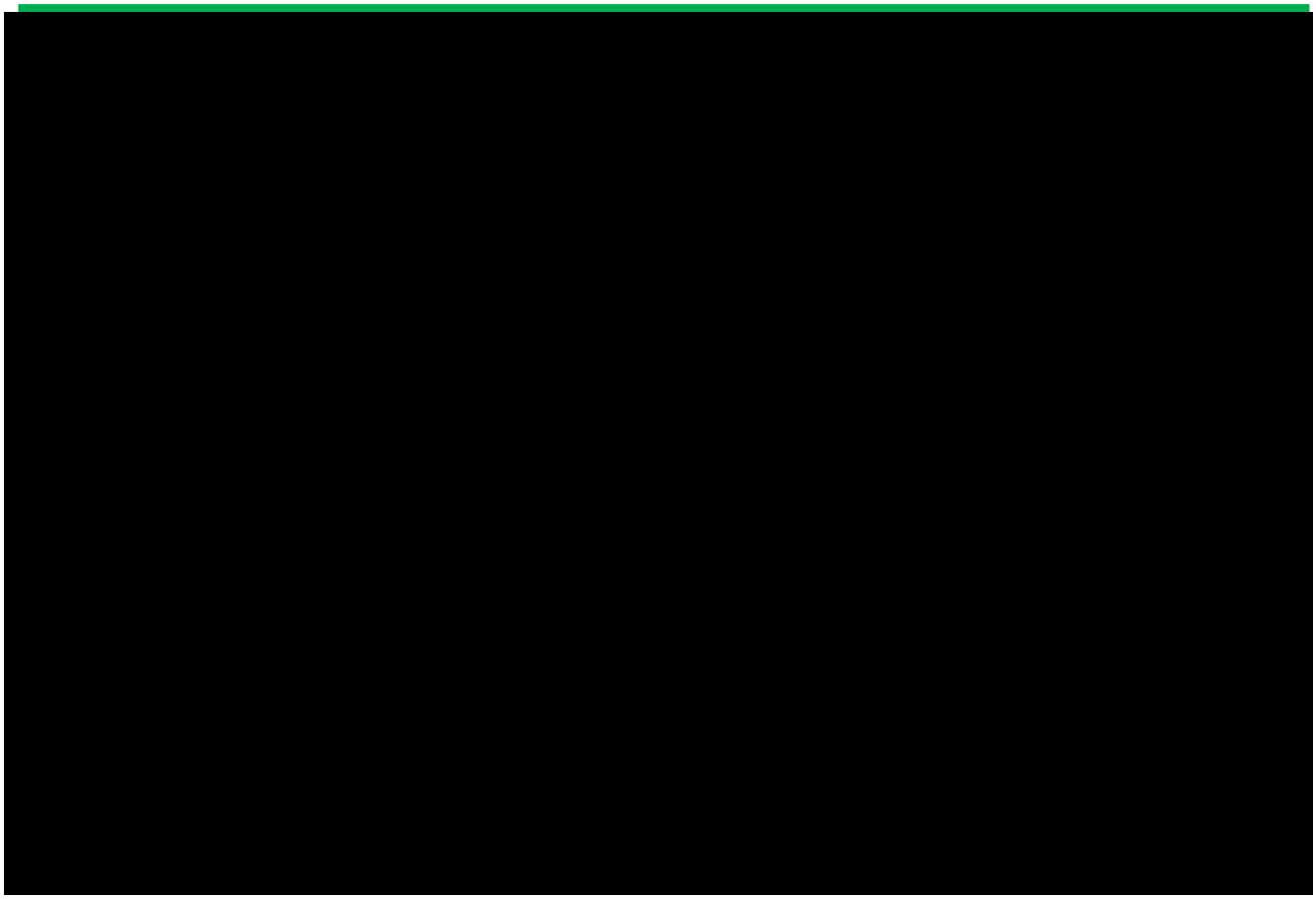
Attachment C:



Attachment D (1 of 3):



Attachment D (2 of 3):



Attachment D (3 of 3):

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