EVERSOURCE

Project Approval Form

Project Title: Nevar, Suffield, Spencer St	**Project Number:** CD01834
Date Prepared: 04/15/2025	**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: December 31, 2025	**NWS Excludable:** ☒ Yes ☐ No
Total Capital Request: $356.4K, 100% reimbursable	**Authorization Type:** Full Funding

1. Executive Summary

The Nevar Company is proposing a photovoltaic (PV) generator at their facility located on Spencer Street, Suffield, CT. The PV facility is rated at 1 MVA. The proposed Nevar, Suffield, Spencer Street facility will [redacted]. A distribution system impact study determined that the proposed project would need [redacted]

The existing facilities at the site frontage are 4.8 kV. [redacted]

Project Location

- Division: Central
- District: Tolland AWC
- City/Town: Suffield

The partial funding estimate for this project was $693K capital and was approved at the 2/16/2024 CTPAC. The full funding request is $356.4K capital. The difference in cost equates to $336.6K, a decrease of 49% of the cost of the project. The decreased estimate for this project is due to several factors including no RTAC installation (-$50K), traffic costs and switching costs not included in the ACT ($-65K), no contractor adder since Eversource crews will be used to perform the work (-$155K), and the remainder due to a lower contingency adder.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	2025	Total
Internal Labor and Construction Equipment	23.1	23.1
Outside Services	15.4	15.4
Materials	137.4	137.4
Removals	5.6	5.6
Risk and Contingency	24.9	24.9
Other	0.0	0.0
Subtotal	**206.3**	**206.3**

Indirect Capital Costs	2025	Total
Indirects/Overheads (including benefits)	150.0	150.0
Capitalized interest or AFUDC, if any	0.0	0.0
Subtotal	**150.0**	**150.0**
Total Capital Costs (Gross)	**356.4**	**356.4**
Less Total Customer Contribution	**-356.4**	**-356.4**
Project Costs (Net of Reimbursement)	**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 a witness test fee. The project is 100% reimbursable.

Distribution cost including O&M	$397,600
CIAC Tax: 15%	$59,640
Total Distribution cost	$457,240
Witness Test	$2,000
TOTAL Customer Contribution in Aide of Construction. **paid by customer**	$459,240

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

The Nevar Company approached Eversource in June 2021 regarding an initial 625 kW project on Spencer Street, Suffield, CT as a new construction. A system impact study agreement was issued to The Nevar Company in September 2021. The customer executed the system impact study agreement in March 2022. Eversource conducted the system impact study and identified that a primary new service (recloser, RTAC, and primary meter) would be required to serve the generation-only customer. The customer upped their system size to 1 MVA during the system impact study from the original proposal.

[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

The project will begin once the generating customer executes an interconnection agreement authorizing the Company to begin construction. The generating customer will also be required to pay for their construction in a payment schedule as outlined in the interconnection agreement. Once construction is authorized, Eversource will work to put the project on the schedule.

The following is a list of major material that will be required to complete this project:

- One (1) site-dedicated recloser
- One (1) primary meter
- One (1) radial recloser
- One (1) junction pole
- Two (2) 600A disconnect switches
- 1200 feet of 477 TW

- 1200 feet of neutral

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*	

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

5. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	February 16, 2024
Customer Authorizes Interconnection Agreement	December, 2024
100% Detailed Engineering Completion	March, 2025
Fully Funded	April, 2025
Construction Start	September, 2025
In Service Date	December 31, 2025

6. Regulatory Decisions

Not applicable.

7. Codes and Standards

Not applicable.

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. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Customer Permission / Siting Council / Municipal approvals	2025	Medium	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2025	High	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	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2025	Medium	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	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. Partial Funding PAF	*YES*

EVERSOURCE

Project Approval Form

Attachment A: Partial Funding PAF

Project Title: Nevar, Suffield, Spencer Street	**Project Number:** CD01834
Date Prepared: 02/14/2024	**Company:** Eversource CT
Organization: Distributed Energy Resource Planning	**Project Category:** Generation/Interconnection
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: December 31, 2024	
Total Capital Request: $693K, 100% reimbursable	**Authorization Type:** Partial Funding

1. Executive Summary

The purpose of this request is to approve a partial funding capital request of $693K which is 100% reimbursable. The total 100% customer Contribution in Aide of Construction as indicated in the project cost summary below is $891K which includes O&M, taxes, and a 20% contingency. The projected in-service date is estimated to be December 31, 2024, based on the latest information from the customer.

The Nevar Company, Suffield, Spencer Street, located in Tolland AWC of the Central Division is proposing a photovoltaic (PV) generator at their facility located on Spencer Street, Suffield, CT. The PV facility is rated at 1 MVA. The proposed Nevar, Suffield, Spencer Street facility will [redacted]

[redacted]

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2024	Year 2025	Year 2026+	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	41.1	0.0	0.0	41.1
Outside Services	223.4	0.0	0.0	223.4
Materials	91.0	0.0	0.0	91.0
Removals	92.9	0.0	0.0	92.9
Risk and Contingency	0.0	0.0	0.0	0.0
Other	4.5	0.0	0.0	4.5
Subtotal – Direct Costs	**452.9**	**0.0**	**0.0**	**452.9**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	240.0	0.0	0.0	240.0
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal – Indirect Costs	**240.0**	**0.0**	**0.0**	**240.0**
Total Gross Capital Costs	**693.0**	**0.0**	**0.0**	**693.0**
Customer Contribution of Capital	**-693.0**	**0.0**	**0.0**	**-693.0**
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 a witness test fee. The project is 100% reimbursable.

Distribution cost including O&M	$773,041
CIAC Tax: 15%	$115,956
Total Distribution cost	$888,997
Witness Test	$2,000
TOTAL Customer Contribution in Aide of Construction. **paid by customer**	$890,997

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

The Nevar Company approached Eversource in June 2021 regarding an initial 625 kW project on Spencer Street, Suffield, CT as a new construction. A system impact study agreement was issued to The Nevar Company in September 2021. The customer executed the system impact study agreement in March 2022. Eversource conducted the system impact study and identified that [redacted]. The customer upped their system size to 1 MVA during the system impact study from the original proposal.

In addition, approximately [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

The project will begin once the generating customer executes an interconnection agreement authorizing the Company to begin construction. The generating customer will also be required to pay for their construction in a payment schedule as outlined in the interconnection agreement. Once construction is authorized, Eversource will work to put the project on the schedule.

The following is a list of major material that will be required to complete this project:

- One (1) site-dedicated recloser
- One (1) primary meter
- One (1) utility RTAC
- One (1) radial recloser
- One (1) junction pole
- Two (2) 600A disconnect switches
- 1200 feet of 556 TW
- 1200 feet of neutral

4. Alternatives Considered

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

5. Project Schedule

Milestone/Phase Name	Estimated Date
Partial Approval	February 16, 2024
Customer Authorizes Interconnection Agreement	March 1, 2024
100% Detailed Engineering Completion	May 24, 2024
Fully Funded	June 2024
Construction Start	September 30, 2024
In Service Date	December 31, 2024

6. Regulatory Decisions

Nonapplicable.

7. Codes and Standards

Nonapplicable.

8. Risk and Contingencies

Contingencies:

A 20% contingency was added. In addition, a 30% contractor contingency was included to assume that contractor crews would be necessary to complete this work in 2024.

Risk Mitigation:

No additional dollars were included 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.	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	Medium	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2024	High	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	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2024	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2024	Medium	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. Cost Estimate	*YES*
B. Geographic Map	*YES*
C. Customer One Line	*YES*
D. Feeder One Line	*YES*

[redacted]







