EVERSOURCE

Operations Project Authorization Form

Project Title: [redacted]	**Project Number: CD01452**
Date Prepared: 011/17/2022	**Company:** Eversource CT
Organization: Electric Field Operations	**Class(es) of Plant:** D Line
Project Initiator: [redacted]	**Project Category:** Distributed Generation
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of original Operating Plan:** No
Estimated in service date: 12/31/2022	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? No	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution
Total Gross Capital Request: $268,857 (100% Reimbursable)	**Authorization Type:** Full Funding

Executive Summary

The purpose of this request is to approve the 100% reimbursable ENG estimate of $268,857. This preliminary engineering estimate includes a 24% contingency for a projected September 15, 2023 in service date.

[redacted] is proposing a 2.0 MW photovoltaic (PV) project, located at [redacted]

The new service will [redacted]. [redacted], this pole will mark the point in change in ownership from Eversource to the customer.

Project Costs Summary

Capital Costs	2021	2022	2023	Total
Internal Labor and Construction Equipment	$22,501	$0	$0	$22,501
Outside Services	$76,055	$0	$0	$76,055
Materials	$61,910	$0	$0	$61,910
Removals	$9,272	$0	$0	$9,272
Risk and Contingency	($24,217)	$0	$0	($24,217)
Other	$0	$0	$0	$0
Subtotal	**$145,522**	**$0**	**$0**	**$145,522**

Indirect Capital Costs	2021	2022	2023	Total
Indirects/Overheads (including benefits)	$123,335	$0	$0	$123,335
Capitalized interest or AFUDC, if any	$0	$0	$0	$0
Subtotal	**$123,335**	**$0**	**$0**	**$123,335**
Total Capital Costs (Gross)	**$268,857**	**$0**	**$0**	**$268,857**
Less Total Customer Contribution	**($274,603)**	**$0**	**$0**	**($274,603)**
Project Costs (Net)	**($5,746)**	**$0**	**$0**	**($5,746)**

Technical Justification:

Project Need, Objective and Justification:

The customer will need a new three phase service with one primary meter and recloser.

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.

Project Scope:

[redacted], this pole will mark the point in change in ownership from Eversource to the customer.

Major Material:

- 1X OH Primary Meter
- 1X Recloser
- 300' of 556 cable
- 300' Neutral Cable
- 2X pole for 3 phase

Background:

N/A

Alternatives Considered:

Were alternative solutions considered/applicable? Include any cost/benefit analysis.

Project is a compliance obligation - no alternatives considered - no financial benefit

Regulatory Approvals:

Are Regulatory body approvals needed for the project?
No

If yes, provide detailed regulatory approvals

Project Schedule

Milestone/Phase Name	Estimated Date
100% Engineering Completion	1/9/2021
Construction Start	1/1/2022
Testing/Commissioning	10/15/2022
In Service Date	12/31/2022

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2023	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	2023	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2023	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.	2023	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2023	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2023	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2023	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	2023	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	2023	Low	Use of mats and specialty equipment, only work during certain times of the year.

References

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

CD01452 - Project Need Statement.pdf

[redacted].vsd

[redacted] Plan 06[redacted]

CD01452 - [redacted] - [redacted]

[redacted] - New

Distribution cost	$272,603
CIAC	Exempt
Substation Work	$0
Witness Test	$2,000
TOTAL COST	**$274,603**