Appendix 2
Operations Project Authorization Form

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Project Title: [redacted]	**Project Number:CD01812**
Date Prepared: 02/01/2022	**Company:** Eversource CT
Organization: Distribution Electric	**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: 6/1/2025	**Emergency Related Request?** No
Eng./Constr. Resources Budgeted? No	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF X Distribution
Total Gross Capital Request: $115.6k	**Authorization Type:** Full Funding

Executive Summary

[redacted]. An impact study determined that the proposed generator had no negative impact to voltage, flicker, or thermal limits at any point on the distribution system. The study found no risk of islanding. The total cost is $129,011 which includes the new service, recloser, primary meter, a 20% contingency, and 12% CIAC.

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Project Costs Summary

See APS3 and APS8 requirements and consult with Plant Accounting for capital/O&M determination. Use published loaders for benefits, materials, and invoices, maintained by the Director, Budget and Internal Reporting.
Note: Dollar values are in thousands

Capital Costs	Year 2024	Year 2025	Year 2026+	Total
Direct Capital Costs	6.9	0.0	0.0	6.9
Internal Labor and Construction Equipment	37.3	0.0	0.0	37.3
Outside Services	15.2	0.0	0.0	15.2
Materials	15.5	0.0	0.0	15.5
Removals	0.8	0.0	0.0	0.8
Risk and Contingency	0.0	0.0	0.0	0.0
Other	**75.6**	**0.0**	**0.0**	**75.6**
Subtotal	6.9	0.0	0.0	6.9
Indirect Capital Costs				
Indirect/Overheads (including benefits)	37.6	0.0	0.0	37.6
Capitalized interest or AFUDC, if any	2.5	0.0	0.0	2.5
Subtotal	**40.1**	**0.0**	**0.0**	**40.1**
Total Customer Contribution	**115.6**	**0.0**	**0.0**	**115.6**
Total Capital Project Costs	$0	$0	$0	$0

Technical Justification:

Project Need, Objective and Justification

[redacted]. The new service will only benefit the DER customer and will allow the customer to access the Eversource EPS to provide renewable solar energy. All equipment downstream of the primary meter will be owned and operated by the customer.

The goal of this project is to provide new service to the DER applicant to allow their generator to interconnect to the Eversource EPS. [redacted]

Project Scope

[redacted]

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Background
The DER applicant is proposing a new service at their facility located at [redacted] The customer will be responsible for all electrical design on the load side of the Eversource-owned primary meter.

[redacted]

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 Completion Date
Preliminary Engineering	Complete
Detailed Design	TBD
Construction	4/1/2022
Anticipated In Service Date	6/1/2022

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Risks and Risk Mitigation Plans

List top risks and mitigation plans associated with this project. Include any contingency related to each risk. (Permitting/siting; environmental; outage constraints; customer/community outreach; material delivery; constructability challenges; excavation; etc.)

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	6/1/2022	Low	The 20% contingency is included in the cost. Additionally, this is a standard design with no complications to increase cost
Customer Permission / Siting Council / Municipal approvals/ Wetlands Permitting	6/1/2022	Low	Eversource requires limited easement.
Internal construction resources not available to perform the work.	2022	Low	The in-service date is 12/31/2021 which is ten months away.
Internal engineering resources not available to perform the work.	6/1/2022	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	6/1/2022	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material. All equipment will be standard.
Storm delays	6/1/2022	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	6/1/2022	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	2022	Low	Before use of new technology ensure support of standards and manufacture. Schedule project to accommodate for extra time or ensure new technology is not on the critical path. All equipment to be installed is approved by Standards.

Wetlands / Environmentally sensitive area	2022	Low	The new service requires limited access to the customer's property and is not expected to affect any wetlands.

References

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

Reference appendices items in the appropriate section of the PAF and list items in the same order as referenced in the PAF

