repOperations Project Authorization Form

Date Prepared: December 19th, 2019	**Project Title:** [redacted] New Service
Company/ies: Eversource CT	**Project ID Number:** CD01390
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: March 1st, 2020	**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: $150,000 (100% Reimbursable)	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

[redacted] is proposing a distributed solar generator at [redacted] 06082. The PV facility is rated at 1.992 MW and will be operating at unity power factor. The proposed facility will [redacted] A distribution supplemental review determined that the proposed 1.992 MW system will not have adverse impacts to voltage, power quality, or thermal constraints on the [redacted] This PAF addresses the DER new service component to the customer: three new poles, a site dedicated recloser, and primary metering.

Project Costs Summary

	Prior Authorized	2020	2021	2022+	Totals
Capital Additions - Direct	$0	$85,637	$0	$0	$85,637
Less Customer Contribution	$0	$150,000	$0	$0	$0
Removals net of Salvage ____%	$0	$2,029	$0	$0	$2,029
Total - Direct Spending	$0	$87,666	$0	$0	$87,666
Capital Additions - Indirect	$0	$54,918	$0	$0	$54,918
Subtotal Request	$0	$142,584	$0	$0	$142,584
AFUDC	$0	$1,710	$0	$0	$1,710
Total Capital Request	$0	$144,294	$0	$0	$144,294
O&M	$0	$5,706	$0	$0	$5,706
Total Request	$0	$150,000	$0	$0	$150,000

Financial Evaluation

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$12,992	$0	$0	$12,992
Overtime Labor	$3,530	$0	$0	$3,530
Outside Services	$11,281	$0	$0	$11,281
Materials	$59,515	$0	$0	$59,515
Other, including contingency amounts (describe)	$348	$0	$0	$348
Total Direct Costs	**$87,666**	**$0**	**$0**	**$87,666**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$54,918	$0	$0	$54,918
Capitalized interest or AFUDC, if any	$1,645	$0	$0	$1,645
Total Indirect Costs	**$56,563**	**$0**	**$0**	**$56,563**
Total Capital Costs	**$144,229**	**$0**	**$0**	**$144,229**
Less Total Customer Contribution	**$150,000**	**$0**	**$0**	**$150,000**
Total Capital Project Costs	**($5,771)**	**$0**	**$0**	**($5,771)**

Total O&M Project Costs	**$5,771**	**$0**	**$0**	**$5,771**

Total Project Cost	**$ 0**	**$ -**	**$ -**	**$ 0**

Note: Explain unique payment provisions, if applicable

Technical Justification:

Project Need Statement

The DER customer, Lodestar Energy, has requested Eversource to determine the impact of its generator on the area EPS ([redacted] feeder). The distribution system supplemental review on the [redacted] project found there to be no thermal, voltage, or other circuit issues as a result of the DER installation. The customer will need new service with a recloser and primary meter.

This new service project is proposing to install three new poles. One pole will be for new service, one pole will be for a site-dedicated recloser, and another pole will be a riser for a primary meter. The new service will only benefit the DER customer and will allow the customer access to the Eversource EPS to provide clean, photovoltaic electricity.

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

- Install a pole and recloser.
- Install primary meter on new pole.
- Install new riser pole to customer UG cable.

Major Material:

Eversource will need to procure one primary meter, a site dedicated recloser, and new service poles.

Background / Justification

The DER applicant is proposing a new service at their photovoltaic facility located just up the street from [redacted] There is currently no electrical service to the proposed solar farm. The customer will be responsible for all electric design on the load side of the Eversource-owned primary meter.

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 is currently no electrical services to the existing facilities.

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.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Engineering	1/9/2019
Detailed Design	TBD
Construction	02/1/2020
Anticipated In Service Date	03/1/2020

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.)


[redacted] Interconnection Site


LSE [redacted] Presentation.ppt


LSE [redacted] Supplemental Revie


[redacted].pdf