Project Authorization Form

Date Prepared: January 9, 2017	Project Title: DER Application Portal Software
Company/ies: Eversource CT	Project ID Number: CUSPORTAL
Organization: Engineering and Resiliency	Class(es) of Plant: Software
Project Initiator: [redacted]	Project Category: Distributed Energy Resource Management
Project Owner/Manager: [redacted]	Project Type: *Specific*
Project Sponsor: [redacted]	Project Purpose: CT Grid Enhancement
Estimated in service date: 12/31/2017	If Transmission Project: NA
Supplement to Existing Authorization? No	Capital Investment Part of Original Operating Plan? Yes
Eng./Constr. Resources Budgeted? Yes	O&M Expenses Part of the Original Operating Plan? Yes

Project Authorization

Project authorization must be in accordance with the approval levels included in the Delegation of Authority Policy (DOA).

If Chief Executive Officer or subsidiary board approval is required, document the review by Enterprise Risk Management (ERM) and Financial Planning and Analysis (FP&A)

ERM: _____N/A_____

FP&A: _____N/A_____

Executive Summary

The purpose of this project is to purchase and deploy a DER Customer Portal and Management System that will provide an interactive, two-way communication platform for customers and developers that are proposing to connect DERs onto the electric distribution system. The ability to manage these DER resources from development, construction, and operation is critical to the goal of integrating DER into a modern electrical distribution system. The DER Customer Portal and Management System proposal is also critical in being able to provide and manage an accurate DER Hosting Capacity map, as the system proposed is expected to actively manage proposed DERs in the interconnection queue as well as DERs already online. In the near future, the Company anticipates an increase in the number and types of DER facilities desiring connection(s) onto its system and the Company will need to manage these resources, along with the existing connections and types of DER. Furthermore, in approximately one year, the Company expects the revision of IEEE Standard 1547 to be adopted, which will introduce more complexity in the electrical settings of connected DERs that will need to be tracked and managed to perform accurate distribution system modeling and planning.

In addition, the LotusNotes database that is used to manage DERs in CT in nearing obsolescence and is scheduled to be retired in 2018. This project would assist in the retirement of this database.

Refer to DER Application Portal Software Technical Authorization form dated January 9th, 2017 for project need statement and additional information.

Technical Authorization Committee Approval on January 12, 2017
Capital Project Authorization Committee Approval on January 26, 2017

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

	Prior Authorized*	2017	2018	Totals
Capital Additions - Direct		$ 1,568	$ 223	$ 1,791
Less Customer Contribution		$ -		$ -
Removals net of Salvage		$ -		$ -
Total - Direct Spending	$ -	$ 1,568	$ 223	$ 1,791
Capital Additions - Indirect		$ 81	$ 10	
Subtotal Request	$ -	$ 1,649	$ 233	$ 1,881
AFUDC		$ 44	$ 6	
Total Request	$ -	$ 1,692	$ 239	$ 1,931

** to be completed if supplemental authorization is required*

Financial Evaluation

Provide the following financial information (attach additional detail if summarized items are significant or additional information is needed). Note: Dollar values are in thousands

Direct Capital Costs	2017	2018	2019	Total
Straight Time Labor	$96	$11		$107
Overtime Labor				
Outside Services	$1,472	212		$1,684
Materials	-			-
Other, including contingency amounts (describe)	-			-
Total	$1,568	$223		$1,791

Indirect Capital Costs	2017	2018	2019	Total
Indirects/Overheads (including benefits)	$81	$9		$90
Capitalized interest or AFUDC, if any	$44	$6		$50
Total	$124	$16		$140

Total Capital Costs	$1,692	$239		$1,931

Less Total Customer Contribution	-	-		-

Total Capital Project Costs	$1,692	$239		$1,931

Total O&M Project Costs	$50	$50	$50	$100

Note: Explain unique payment provisions, if applicable

If this is a new business project, is a customer contribution required? If yes, please note the contribution amount.

In addition, for all electric and gas growth / new business projects, please attach the CIAC calculation

Provide other financial documentation as warranted by management and / or regulatory precedent. When performing financial analysis, use appropriate discount rate by company (can be provided by Budgeting and Internal Reporting or Financial Planning and Analysis).

Supplemental Information for Plant Accounting

The proposed solution from Clean Power Research- PowerClerk product is going to be a five year web-based cloud application.

Below is a breakdown of the estimated outside services line above:

	Total	2017	2018	2019
Total	**$ 1,684**	**$ 1,472**	**$ 212**	**$ -**
Software Vendor				
Labor to implement and deliver product to Eversource requirements	$ 100	$ 100	$ -	$ -
Contingency for additional intergration	$ 50	$ 50	$ -	$ -
Procure license for Eversource - CT	$ 375	$ 375	$ -	$ -
PowerClerk License and implementation	**$ 525**	**$ 525**	$ -	$ -
Everource IT Vendors				
Labor for implemention management and build and implement interfaces	$ 947	$ 947	$ -	$ -
Contingency	$ 212	$ -	$ 212	$ -
Total Eversource IT contractors	**$ 1,159**	**$ 947**	**$ 212**	**$ -**
O&M - ongoing expenses		2017	2018	2019
Software Maintenance & Support		$ 50	$ 50	$ 50