EVERSOURCE
Project Authorization Form

Operations Project Authorization Form

Date Prepared: 11/17/2020	**Project Title:** [redacted]
Company/ies: Eversource CT	**Project ID Number: CD01564**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager: [redacted]	**Project Type: Overloads-Specific Projects**
Project Sponsor: [redacted]	**Project Purpose: Increase system capacity for new load**
Estimated in service date: 3/31/2021	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted? N	**Capital Investment Part of Original Operating Plan? N**
Authorization Type: Preliminary Funding	**O&M Expenses Part of the Original Operating Plan? N**
Total Request: $738k	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

[redacted]

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$437	$0	$0	$437
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$29	$0	$0	$29
Total - Direct Spending	$0	$466	$0	$0	$466
Capital Additions - Indirect	$0	$230	$0	$0	$230
Subtotal Request	$0	$697	$0	$0	$697
AFUDC	$0	$18	$0	$0	$18
Total Capital Request	$0	$715	$0	$0	$715
O&M	$0	$23	$0	$0	$23
Total Request	**$0**	**$738**	**$0**	**$0**	**$738**

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	2021	2022	2023+	Total
Straight Time Labor	$24	$0	$0	$24
Overtime Labor	$5	$0	$0	$5
Outside Services	$281	$0	$0	$281
Materials	$154	$0	$0	$154
Other, including contingency amounts (describe)	$2	$0	$0	$2
Total Direct Costs	**$466**	**$0**	**$0**	**$466**

Indirect Capital Costs	2021	2022	2023+	Total
Indirects/Overheads (including benefits)	$230	$0	$0	$230
Capitalized interest or AFUDC, if any	$18	$0	$0	$18
Total Indirect Costs	**$248**	**$0**	**$0**	**$248**
Total Capital Costs	**$714**	**$0**	**$0**	**$714**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$714**	**$0**	**$0**	**$714**
Total O&M Project Costs	**$23**	**$0**	**$0**	**$23**
Total Project Cost	**$738**	**$0**	**$0**	**$738**

Note: Explain unique payment provisions, if applicable

Technical Justification:

Project Need Statement

[redacted]

Project Objectives

Increase the capacity of the facilities near [redacted] in order to accept the new load addition.

Project Scope

[redacted]

Major Material:

6,090’ of 556 AAC 175 MIL HDP (2,030’ x 3) Overhead Conductor
2,300’ of 1/0 ACSR/AW 175 MIL HDP Overhead Conductor
1 - Cooper Nova recloser for 13.2/13.8kV
1 – Cooper Form 6 Recloser Control

Background / Justification

A request for electric service was received for [redacted]., [redacted] which is located just opposite [redacted]. [redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

Business Process and / or Technical Improvements:

[redacted]

Alternatives Considered with Cost Estimates

[redacted]

Project Option Comparison

Design Criteria	[redacted]		
Cost	$738k	$1,248k	$1,384k
Cost / CM Saved	$31.67/CM	$53.58/CM	$59.46/CM
Cost / CI Saved	$20,924/CI	$35,657/CI	$39,571/CI
Preferred option	X		

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Approval	November 2020
Detailed Design	January 2021
Settings Requested	January 2021
Construction End Date	March 2021

Regulatory Approvals

None

Risks and Risk Mitigation Plans

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2021	Medium	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	2021	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2021	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.	2020	High	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays	2021	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2021	Low	Schedule work to minimize system abnormal time. Most of this work will require system to be abnormal for any extended period of time.

References

CD01559_Initial Funding PAF_11W47

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

1. Project Maps

CD01564_Project_Maps.pdf

2. Project One-Lines

CD01564 Project One-Lines.pdf

3. Project Load Summary

CD01564 Project Load Summary.pdf

4. Cost Estimate Back-up Details

CD01564_Projects Need Statement_EN

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD01564 [redacted]

Work Classification

Category: Line
Type: BLG1
Type Desc: OVERLOADS-SPECIFIC PROJECTS
Work Type:

Ownership / Management

AWC: Cheshire
Statewide: No
Owner: [redacted]
Manager: [redacted]

Project Information

Status: Draft
SPS #:
AIS Score:
Associated Projects:
Assignment ID:
Patrol Find ID:

Budget Summary - Preferred Option

Extend [redacted] to Driggs St

2021

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	Extend [redacted] to [redacted]	Prelim	0	24%	$737,558	$737,558
				2021 Total:	**$737,558**	**$737,558**
				Total Project:	**$737,558**	**$737,558**

Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	Extend [redacted] to [redacted]	1	$737,558	$0	100%	$117.85	$31.67	☑
O2	Convert [redacted]	2,4	$1,247,604	$0	100%	$199.35	$53.58	☐
O3	Extend [redacted] to [redacted]	1,3	$1,384,469	$0	100%	$221.22	$59.46	☐

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	Extend [redacted] to [redacted]	$737,558			$117.81	$31.66
2	Convert [redacted] to pole E505	$558,923			$89.28	$24.00
3	Extend [redacted] to [redacted]	$646,911			$0.00	$0.00
4	Reconductor [redacted] with 556 TW	$688,681			$0.00	$0.00