Operations Project Authorization Form

Date Prepared:07/07/2021	**Project Title: DSCADA System Resiliency**
Company/ies: CT	**Project ID Number: RIDGEFIELDSR**
Organization: Telecommunications Engineering	**Class(es) of Plant: General Plant - Telecommunications**
Project Initiator: [redacted]	**Project Category: System Resiliency**
Project Manager: [redacted]	**Project Type: Full Funding**
Project Sponsor: [redacted]	**Project Purpose: DSCADA Radio Expansion**
Estimated in service date: 12/31/2021	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted? Yes	**Capital Investment Part of Original Operating Plan?Yes**
Authorization Type:Full Funding	**O&M Expenses Part of the Original Operating Plan?N/A**
Total Request: $134,900	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

In Connecticut Eversource is [redacted]e.

[redacted]

(*Actual Unit counts that are within the coverage of the new proposed Ridgefield location are provided in a table located in the Technical Justification Section*)

Project Costs Summary (Dollar values in thousands)

Line Item Category	Prior Authorized	Actuals to Date	2021	2022	2023	Total
Labor (PM/Eng/Siting)	$ -	$ -	$	$ -	$ -	$
Labor (Constr/Test)	$ -	$ -	$ 8.6	$ -	$ -	$ 8.6
Materials	$ -	$ -	$ 56.2	$ -	$ -	$ 56.2
Outside Services	$ -	$ -	$ 18.2	$ -	$ -	$ 18.2
Other (Contingency)	$ -	$ -	$ 12.3	$ -	$ -	$ 12.3
Total Direct Costs	$ -	$ -	$ 95.3	$ -	$ -	$ 95.3
Customer Contribution	$ -	$ -	$ -	$ -	$ -	$ -
Indirect Costs						
NPT	$ -	$ -	$ 1.2	$ -	$ -	$ 1.2
Payroll Benefits	$ -	$ -	$ 4.3	$ -	$ -	$ 4.3
General Service	$ -	$ -	$	$ -	$ -	$
MDEC	$ -	$ -	$ 2.6	$ -	$ -	$ 2.6
E&S	$ -	$ -	$ 20	$ -	$ -	$ 20
AS&E	$ -	$ -	$ 1	$ -	$ -	$ 1
Lobby Stock	$ -	$ -	$ -	$ -	$ -	$ -
Stores	$ -	$ -	$ 4.2	$ -	$ -	$ 4.2
NSTAR Vehicles	$ -	$ -	$ 2.4	$ -	$ -	$ 2.4
Total Indirect Costs	**$ -**	**$ -**	**$ 35.7**	**$ -**	**$ -**	**$ 35.7**
Total Costs w/o AFUDC	$ -	$ -	$ 131	$ -	$ -	$ 131
AFUDC	**$ -**	**$ -**	**$ 3.9**	**$ -**	**$ -**	**$ 3.9**
TOTALS	**$ -**	**$ -**	**$ 134.9**	**$ -**	**$ -**	**$ 134.9**

Financial Evaluation

Line item Category	Prior Authorized	Actuals to Date	2021	2022	2023	Total
ST Labor	$	$	$8.6	$	$	8.6$
OT Labor	$	$	0$	$	$	$
Outside Services Labor	$	$	$18.2	$	$	18.2$
Materials*	$	$	$56.2	$	$	56.2$
Removals	$	$	0$	$	$	$
Other (Contingency)	$	$	$12.3	$	$	12.3$
Indirects	$	$	$35.7	$	$	35.7$
AFUDC	$	$	$3.9	$	$	3.9$
TOTAL CAPITAL REQUEST - W/O REIMBURSABLES	**$**	**$**	**$134.9**	**$**	**$**	**$134.9**

Indirect Capital Costs	2021	2022	2023+	Total
Indirects/Overheads (including benefits)	$ 35.7			
Capitalized interest or AFUDC, if any				
Total	35.7			

Total Capital Costs	$ 134.9		0	
Less Total Customer Contribution	0	0	0	0
Total Capital Project Costs	$ 136.5		0	
Total O&M Project Costs	0	0	0	0

Note: Explain unique payment provisions, if applicable

Future Financial Impacts:

Provide below the estimated future costs that will result from the project:
Note: Dollar values are in thousands:

Describe the estimated future Capital, O&M and/or Other costs noted above:

Future capital costs will be limited to the purchase of field units for distribution automation device communications. Unit cost is approximately $1500/device.

Ridgefield Radio Site is owned by Eversource. No other additional O&M expenditures are anticipated.

What functional area(s) will these future costs be funded in?___N/A_____

A representative from the respective functional area is required to be included as a project approver.

If this is other than a Reliability Project, please complete the section below;

Provide below the estimated financial benefits that will result from the project:
Note: Dollar values are in thousands:

Future Benefits	Year 2021	Year 2022	Year 2023	Year 2024+	Total Future Project Benefits
Capital	$ -	$ -	$ -	$ -	$ -
O&M	-	-	-	-	-
Other	-	-	-	-	-
TOTAL	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Describe the estimated future Capital, O&M and/or Other benefits noted above:

What functional area(s) will these benefits be reflected in? N/A

A representative from the respective functional area is required to be included as a project approver.

Asset Retirement Obligation (ARO) and/ or Environmental Cleanup Costs (Environmental Liabilities):

Is there an ARO associated with this project? If yes, please provide details: N/A

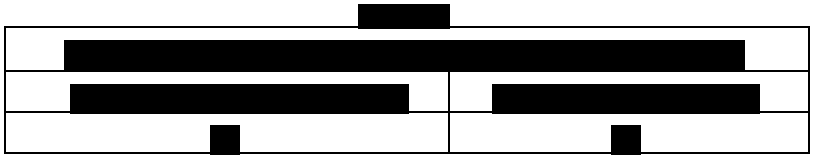
Are there other environmental cleanup costs associated with this project? If yes, please provide details:

No environmental costs

Technical Justification:

Project Need Statement

[redacted]



[redacted]

Project Objectives

[redacted]

Project Scope

[redacted]

Background / Justification

[redacted]

Note: [redacted]

Business Process and / or Technical Improvements:

[redacted]

- [redacted]
- [redacted]
- [redacted]

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Engineering Design Complete	7/1/2021
Presentation and approval for full funding	7/22/2021
Purchase Equipment Complete	10/5/2021
Equipment Installation	12/3/2021
Test & Commissioning	12/10/2021
In-service date	12/31/2021

Regulatory Approvals

N/A

Risks and Risk Mitigation Plans

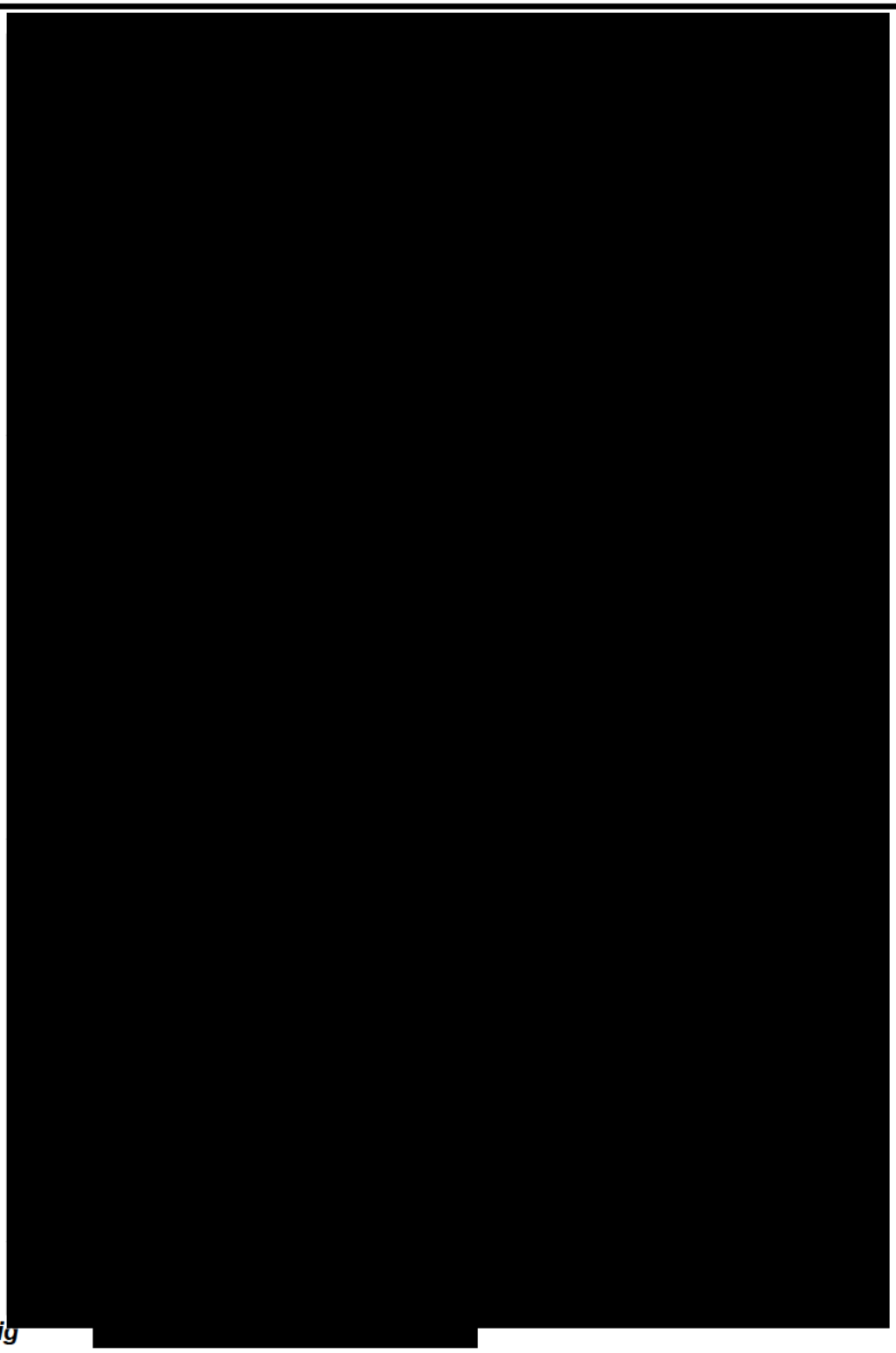
- Due to the engineering being complete there are no anticipated financial risks at this time.

- Schedule risks may occur due to resource constraints as a result of other SCADA projects, such as eECS Connecticut.

Appendix



Figure 1: *Coverage Map of the* [redacted]



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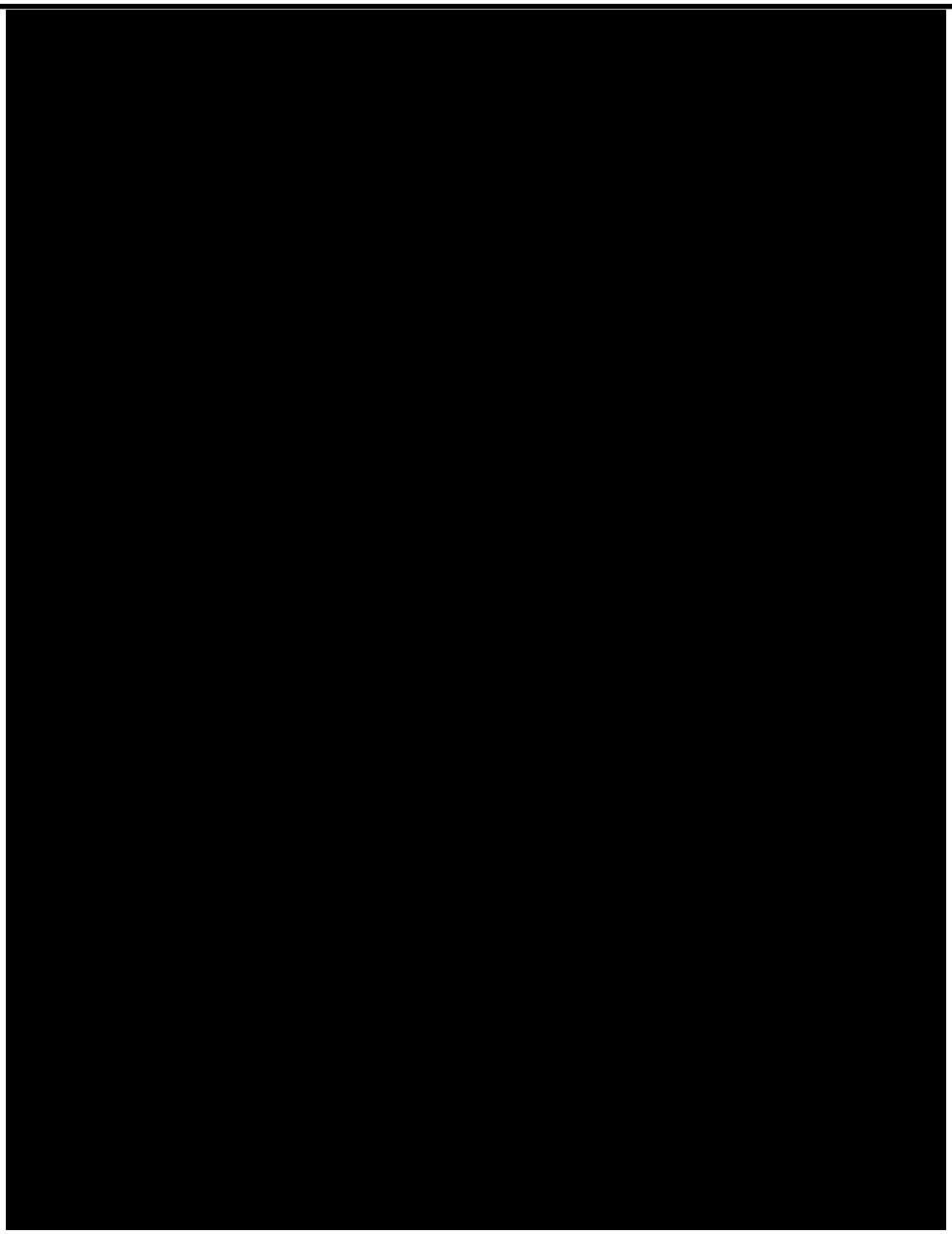

***Figure 3**: Rack Elevation at* [redacted]



Figure 4: Shelter Layout at [redacted]

Month	Amount
May-21	$9712.72
Jun-21	$6385.18
YTD Total	$16097.9

Figure 5: Initial funding - YTD financials