EVERSOURCE
Project Authorization Form

Operations Initial Funding Request Form

Project Title: CT DSCADA	**Project Number: CTFAN23**
Date Prepared: 06/14/2023	**Company:** Eversource CT
Organization: Electric System Operations	**Class(es) of Plant:** Telecom - General Plant
Project Initiator: [redacted]	**Project Category:** Stations - Telecommunications
Managing Organization: Telecom	**Schedule ID#:** N/A
Project Manager: [redacted]	**Project Type:** Specific
Project Sponsor: [redacted]	**Capital Investment part of original Op Plan:** Yes
Estimated in service date: 10/31/2023	**Emergency Related Request?** Yes
Eng./Constr. Resources Budgeted? Yes	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution ☒ N/A (General Plant)
Total Capital Request: $500,000	**Tx Development Costs:** No

[1] Project Need Statement

This Initial Funding Request for $500,000 is to determine the technology solution(s), scope, schedule, and resource allocations to complete a Full Funding Project Authorization for Connecticut DSCDA communications network. [redacted]

As a part of this Initial Funding Request for Connecticut's DSCADA [redacted] the radio vendor will be determined through a request for quote (RFQ) process involving two vendors, Eastern Communications/TAIT/L3Harris, and 4RF, the technical viability of PVNO will be

considered in addition to PVNO business case analysis, a coverage study and drive testing for cellular coverage will be conducted, and there will be an analysis of the current and future system requirements to determine the best solution and write the Full Funding Project Authorization Request.

To date, there has been a preliminary information session with 4RF on May 31st, 2023, and a preliminary information session with Eastern Communication/TAIT/L3Harris on June 14th, 2023. Overall, there has been no spending to date on this project, and minimum budget has been spent. Any time spent to date on this project by Eversource resources has been billed to the general work order for CT Distribution.

[2] Project Objectives

For Connecticut's DSCADA system, [redacted]

This Initial Funding Request will be used to determine the best-fit solution to meet the current needs and future needs of the system. To do this, first, there will be a [redacted] In parallel, there will be continued conversations with vendors that are being considered, including an RFQ with Eastern Communications/TAIT/L3Harris and 4RF as well as an investigation into the technical viability and business case for PVNO to determine the best solution to [redacted] Additionally, there will be a [redacted]. Overall, during this initial funding phase, multiple alternatives will be documented, considered, and evaluated. Once the best solution and course of action are determined, a Full Funding PAF will be written, including a schedule and budget to complete the next steps of the project.

[3] Funding Request Explanation (total request, amount per task, deliverables)

This Initial Funding Request for $500,000 is for the following activities and deliverables, which will ultimately determine the path forward for vendor selection and the project scope, schedule, and resource allocations required to complete a Full Funding Project Authorization by November 2023. For a Gantt Chart view of the Initial Funding Activities, see Image 1 in the Initial Funding Schedule section.

Activity	Purpose	Approximate Cost	Scheduled Completion Date
PVNO Analysis to determine the business case and technical feasibility.	To determine if PVNO is a technically viable solution and to see if it meets Eversource's business case strategy. This includes an RFP response analysis, economic analysis, and solution mapping.	$150,000	October 2023
[redacted]	[redacted]	$100,000	October 2023
Request for Quote (RFQ) and response analysis for Eastern Communications (TAIT/ L3Harris) and 4RF to determine solution vendor.	To determine the best solution vendor and option to fit Eversource's current and future needs, an RFQ process will be conducted. The RFQ response will be used to inform the budget and scope of the project for the Full Funding PAF. Additionally, investigate PVNO as a technically viable solution.	$35,000	October 2023
[redacted]	[redacted]	$25,000	October 2023

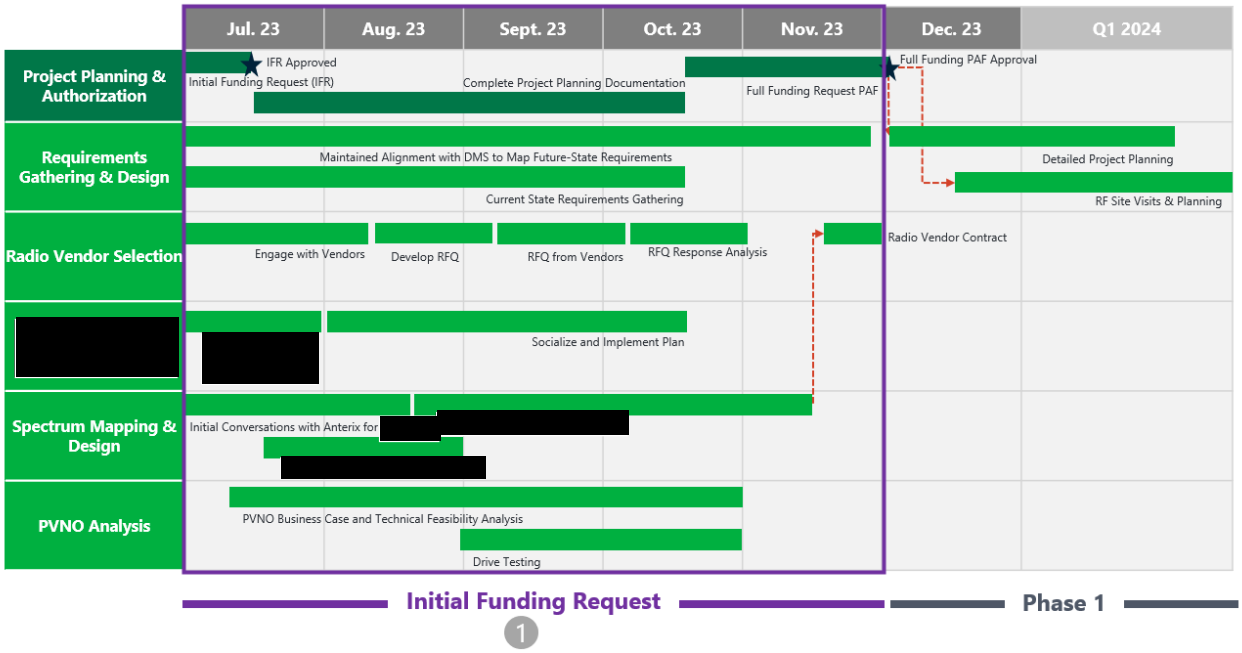
Engage with Anterix for discussion around the [redacted]	[redacted]	$20,000	September 2023
[redacted]		$65,000	November 2023
Requirements gathering and mapping for the solution and future-state DMS systems	Determine and document the needs of the future state DMS system to incorporate into the determined solution. Investigate Tait/L3Harris/4RF/PVNO as viable solutions to meet the requirements documented.	$45,000	November 2023
Write Full Funding PAF for the next steps of program implementation	Complete a Full Funding Project Authorization request to proceed with the OpenSky replacement, including a cost estimate, schedule, resource allocations, and other required documents to set up for full-scale deployment.	$40,000	November 2023
Project scheduling and internal/external resource allocations	For the Full Funding PAF, prepare the project schedule and resource allocations based on the requirements for the determined solution.	$20,000	November 2023
Total Funding Request		**$500,000**	**November 2023**

[4] Initial Funding Schedule

Include required milestones as outlined in Capital Project Approval Process Job Aid JA-AM-2001-A. Add additional key milestones specific to this project as needed.

Milestone	Scheduled Completion Date
SDC Approval (for applicable projects)	N/A
Conversion of Tx development costs, 183 to 107 (applicable to projects that require SSF approval and/or ISO preferred alternative selection)	N/A
EPAC Partial Funding Approval (for applicable projects)	7/15/2023
EPAC Full Funding Approval	11/30/2023
Start of Construction	N/A
Project In-Service Date (ISD)	11/30/2023
Project Need Date (for applicable projects)	N/A

Image 1: Gantt Chart View of Initial Request Funding Activities



[5] References

References
1. [redacted]
2.
3.

[6] Attachments (One-Line Diagrams, Images, etc.)

Attachment
A.
B.
C.