Operations Project Authorization Form

Date Prepared: 4/7/20	**Project Title:** [redacted]
Company/ies: Eversource CT	**Project ID Number: CD01540**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Smart Switch Program**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: Improve reliability**
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? Y**
Authorization Type: Full Funding	**O&M Expenses Part of the Original Operating Plan? Y**
Total Request: $130k	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

This project will address the [redacted]. [redacted]. The circuit was trimmed in 2018 and backbone ETT work completed in the early 2001 time period. Additional hazard tree work has also been completed.

[redacted]

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	2021	20__	20__+	Totals
Capital Additions - Direct	$0	$74	$0	$0	$74
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$2	$0	$0	$2
Total - Direct Spending	$0	$76	$0	$0	$76
Capital Additions - Indirect	$0	$48	$0	$0	$48
Subtotal Request	$0	$124	$0	$0	$124
AFUDC	$0	$1	$0	$0	$1
Total Capital Request	$0	$125	$0	$0	$125
O&M	$0	$5	$0	$0	$5
Total Request	$0	$130	$0	$0	$130

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$11	$0	$0	$11
Overtime Labor	$3	$0	$0	$3
Outside Services	$10	$0	$0	$10
Materials	$52	$0	$0	$52
Other, including contingency amounts (describe)	$0	$0	$0	$0
Total Direct Costs	**$76**	**$0**	**$0**	**$76**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$48	$0	$0	$48
Capitalized interest or AFUDC, if any	$1	$0	$0	$1
Total Indirect Costs	**$49**	**$0**	**$0**	**$49**
Total Capital Costs	**$125**	**$0**	**$0**	**$125**
Less Total Customer Contribution				
Total Capital Project Costs	**$125**	**$0**	**$0**	**$125**
Total O&M Project Costs	**$5**	**$0**	**$0**	**$5**
Total Project Cost	**$130**			**$130**

Note: Explain unique payment provisions, if applicable

Technical Justification:

Project Need Statement

[redacted]

The [redacted] zone has been ranked number 1 in the Smart Switch program.

- [redacted]

Project Objectives

The goal of the Smart Switch program is to reduce the number of customers exposed to an outage event. This project reduces large customer zones by creating automated loops and adding sectionalizing reclosers to isolate outages.

Project Scope

[redacted]

Major Material:

- 1 Nova recloser and Form 6 Control.
- 500 feet of 3 phase 556 Tree wire.

Background / Justification

The [redacted] is rank number 1 in the Smart Switch program. [redacted].

[redacted]

Business Process and / or Technical Improvements:
This proposal will improve the reliability to [redacted] customers served in the [redacted] zone by reducing the size of the zone. If an outage were to occur, the new zones are [redacted] customers and [redacted].

Alternatives Considered with Cost Estimates

[redacted] as an alternate is $150K

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Approval	4/30/20
Detail Design	10/31/20
Setting Requested	10/31/20
Construction Start	1/1/21
Construction End	6/1/21

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.	2021	Medium	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

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

