Operations Project Authorization Form

Date Prepared:	**Project Title:** [redacted]
Company/ies: Eversource Energy	**Project ID Number: CD01466**
Organization: Distribution Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager: [redacted]	**Project Type: SMARTSWITCH PROGRAM**
Project Sponsor: [redacted]	**Project Purpose: Provide back-up to 1,024 customers**
Estimated in service date: 6/1/2021	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted?	**Capital Investment Part of Original Operating Plan? Y**
Authorization Type: Preliminary Funding	**O&M Expenses Part of the Original Operating Plan? Y**
Total Request: $212K	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

[redacted]

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	2021	20__	20__+	Totals
Capital Additions - Direct	$0	$121	$0	$0	$121
Less Customer Contribution	$0	$0	$0	$0	$0
pura	$0	$3	$0	$0	$3
Total - Direct Spending	$0	$124	$0	$0	$124
Capital Additions - Indirect	$0	$78	$0	$0	$78
Subtotal Request	$0	$202	$0	$0	$202
AFUDC	$0	$2	$0	$0	$2
Total Capital Request	$0	$204	$0	$0	$204
O&M	$0	$8	$0	$0	$8
Total Request	$0	$212	$0	$0	$212

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$18	$0	$0	$18
Overtime Labor	$5	$0	$0	$5
Outside Services	$16	$0	$0	$16
Materials	$84	$0	$0	$84
Other, including contingency amounts (describe)	$0	$0	$0	$0
Total Direct Costs	**$124**	**$0**	**$0**	**$124**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$78	$0	$0	$78
Capitalized interest or AFUDC, if any	$2	$0	$0	$2
Total Indirect Costs	**$80**	**$0**	**$0**	**$80**
Total Capital Costs	**$204**	**$0**	**$0**	**$204**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$204**	**$0**	**$0**	**$204**
Total O&M Project Costs	**$8**	**$0**	**$0**	**$8**

Total Project Cost	**$ 212**	**$ -**	**$ -**	**$ 212**

Technical Justification:

Project Need Statement

[redacted] In addition, the zone is ranked 623 in the 2019 Smart Switch Program.

Project Objectives

[redacted]

Project Scope

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

Major Material:

- **3-1500kVA 23/13.8kV auto-transformers**
- **2 new NOVA reclosers**
- **2 new Form 6 Controls**

Background / Justification

[redacted]

Business Process and / or Technical Improvements:
[redacted], outage time will be reduced significantly and reduce the risk of long durations outage to society needs in the event of a major event, such as, Irene, Sandy, etc.

Alternatives Considered with Cost Estimates

1) [redacted] The estimated cost is $542K

2) [redacted]. The estimated cost is $864K.

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Engineering	11/30/2019
Detailed Engineering	1/1/2021
Order Material	1/15/2021
Request Settings	2/1/2021
Set Reclosers	3/1/2021
Construction Starts	5/1/2021
Construction Completed	6/1/2021

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

CD01466 New Load Summary Sheet.pdf

Visio-Map of Societal Needs.pdf

CD01466 ProjectNeedsStatem

CD01466 PAF Calculator - 12-2-20

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

Visio-CD01466 ONELINE Before anc

Visio-CD01466 Detail Map - Propos

Visio-CD01466 Detail Map - [redacted]