Operations Project Authorization Form

Date Prepared: 6/3/19	**Project Title: [redacted] Reconductor and convert [redacted]**
Company/ies: CT	**Project ID Number: CD01320**
Organization: Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Reliability**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: Reliability**
Estimated in service date: 7/31/2019	**If Transmission Project: PTF? NA**
Eng. /Constr. Resources Budgeted? No	**Capital Investment Part of Original Operating Plan?**
Authorization Type: Initial Funding	**O&M Expenses Part of the Original Operating Plan?**
Total Request: $377,693	

Executive Summary

[redacted] is in the [redacted]

Project Cost Summary

	Prior Authorized	2019	20__	20__+	Totals
Capital Additions - Direct	$0	$161	$0	$0	$161
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$49	$0	$0	$49
Total - Direct Spending	$0	$210	$0	$0	$210
Capital Additions - Indirect	$0	$147	$0	$0	$147
Subtotal Request	$0	$356	$0	$0	$356
AFUDC	$0	$3	$0	$0	$3
Total Capital Request	$0	$360	$0	$0	$360
O&M	$0	$18	$0	$0	$18
Total Request	$0	$378	$0	$0	$378

Financial Evaluation

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$26	$0	$0	$26
Overtime Labor	$6	$0	$0	$6
Outside Services	$127	$0	$0	$127
Materials	$49	$0	$0	$49
Other, including contingency amounts (describe)	$1	$0	$0	$1
Total Direct Costs	**$210**	**$0**	**$0**	**$210**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$147	$0	$0	$147
Capitalized interest or AFUDC, if any	$3	$0	$0	$3
Total Indirect Costs	**$150**	**$0**	**$0**	**$150**
Total Capital Costs	**$360**	**$0**	**$0**	**$360**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$360**	**$0**	**$0**	**$360**
Total O&M Project Costs	**$18**	**$0**	**$0**	**$18**

Total Project Cost	**$ 378**	**$ -**	**$ -**	**$ 378**

Project Need Statement

This project has been established to address three issues:

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

Project Objective

The main objective of this project is to provide safety and good reliability to the residents of [redacted] and the side streets.

Project Scope

In order to meet the above objective, this project proposes to [redacted]. Pole replacements (Eversource and Frontier custodians) are necessary along with tree trimming.

Background / Justification

[redacted]. This area was last trimmed in 2015, and is scheduled to be trimmed in 2019.

The following is a four year reliability summary of the interruptions along this area:

START_TS	END_TS	DURATION	CAUSENAME	WEATHERNAME	CIRCUIT	REMARKS	ASSETNAME	CUST OUT
5/1/2019 10:57:48 AM	5/1/2019 11:01:00 AM	0:04	EQUP-Equip Failure	NORM	[redacted]			
6/3/2018 1:10:02 AM	6/3/2018 2:25:00 AM	1:15	TREE-Tree/Limb Outside Trim Zone/Unknown	NORM				
3/7/2018 7:00:00 PM	3/9/2018 1:13:00 PM	42:13	TREE-Tree/Limb Outside Trim Zone/Unknown	SNOW				

3/7/2018 7:00:00 PM	3/10/2018 1:11:37 PM	66:11	TREE-Tree/Limb Outside Trim Zone/Unknown	SNOW	[redacted]
7/5/2017 4:08:44 PM	7/5/2017 5:45:00 PM	1:37	TREE-Tree/Limb Outside Trim Zone/Unknown	NORM	
3/27/2017 6:15:41 PM	3/27/2017 7:16:00 PM	1:1	TREE-Tree/Limb Outside Trim Zone/Unknown	RAIN	

Business Process and / or Technical Improvements:

This project addresses safety and reliability concerns of an area that feeds 69 customers.

Alternatives Considered with Cost Estimates

None

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Engineering Approval	June 2019
Detail Design	June 2019
Order Material	July 2019
Construction	July 2019

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.	2019	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	2019	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2019	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.	2019	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Storm delays	2019	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2019	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods

References
none

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

CD01320 Reconductor and Con

CD01320_project_needs_statement.pdf

OMS showing Note.pdf

Outage History.xlsm