Operations Project Authorization Form

Date Prepared: 04/25/2020	**Correct Overloads [redacted]**
Company/ies: CT	**Project ID Number: CD01544**
Organization: Electric	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: LOAD**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: CORRECT CONT. OVERLOADS**
Estimated in service date: 06/01/2021	**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: $298,388	

Executive Summary

[redacted]

Financial Evaluation

Direct Capital Costs	2021	2022	2023+	Total
Straight Time Labor	$9,667	$0	$0	$9,667
Overtime Labor	$2,004	$0	$0	$2,004
Outside Services	$113,688	$0	$0	$113,688
Materials	$62,445	$0	$0	$62,445
Other, including contingency amounts (describe)	$768	$0	$0	$768
Total Direct Costs	**$188,573**	**$0**	**$0**	**$188,573**

Indirect Capital Costs	2021	2022	2023+	Total
Indirects/Overheads (including benefits)	$93,230	$0	$0	$93,230
Capitalized interest or AFUDC, if any	$7,084	$0	$0	$7,084
Total Indirect Costs	**$100,314**	**$0**	**$0**	**$100,314**
Total Capital Costs	**$288,887**	**$0**	**$0**	**$288,887**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$288,887**	**$0**	**$0**	**$288,887**
Total O&M Project Costs	**$9,501**	**$0**	**$0**	**$9,501**

Total Project Cost	**$ 298,388**	**$ -**	**$ -**	**$ 298,388**

Project Costs Summary

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$176,769	$0	$0	$176,769
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$11,803	$0	$0	$11,803
Total - Direct Spending	$0	$188,573	$0	$0	$188,573
Capital Additions - Indirect	$0	$93,230	$0	$0	$93,230
Subtotal Request	$0	$281,803	$0	$0	$281,803
AFUDC	$0	$7,317	$0	$0	$7,317
Total Capital Request	$0	$289,120	$0	$0	$289,120
O&M	$0	$9,268	$0	$0	$9,268
Total Request	$0	$298,388	$0	$0	$298,388

Technical Justification:

Project Need Statement



Project Objectives

[redacted]

Project Scope

In order to meet the above objectives, this project proposes the following:

[redacted]

[redacted]

Major Materials:

- 600' of 1000kcmil CU
- 2 – Cooper NOVA RECLOSERs

Background / Justification

[redacted]

[redacted]

Business Process and / or Technical Improvements:

[redacted]

Alternatives Considered with Cost Estimates

Project Option Comparison

[redacted]			
Cost	$298K	$187K	
Cost / MVA added	N/A	N/A	
Cost / CM Saved	$33.05CM	$28.04	
Cost / CI Saved	$0	$0	
Preferred option	X		

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Prelininary Engineering Approval	May 2020
Detail Design	December 2020
Construction	June 2021

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.	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	2021	Medium	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.

available to perform the work.			
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 ot require system to be abnormal for any extended period of time.

References: *none*

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


CD01544_project_needs_statement.pdf


Geographic Map [redacted].vsdx


[redacted] PROPOSED .vsd


load summaryRev1_.xlsx


[redacted] PROPOSED .pdf