Operations Project Authorization Form

Date Prepared: 04/08/2020	CORRECT OVERLOADS AT [redacted]
Company/ies: CT	Project ID Number: CD01504
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: $762,475	

Executive Summary

[redacted]

Financial Evaluation

Direct Capital Costs	2021	Year 2	Year 3+	Total
Straight Time Labor	$24,702	$0	$0	$24,702
Overtime Labor	$5,120	$0	$0	$5,120
Outside Services	$290,509	$0	$0	$290,509
Materials	$159,568	$0	$0	$159,568
Other, including contingency amounts (describe)	$1,963	$0	$0	$1,963
Total Direct Costs	**$481,862**	**$0**	**$0**	**$481,862**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$238,233	$0	$0	$238,233
Capitalized interest or AFUDC, if any	$18,101	$0	$0	$18,101
Total Indirect Costs	**$256,334**	**$0**	**$0**	**$256,334**
Total Capital Costs	**$738,196**	**$0**	**$0**	**$738,196**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$738,196**	**$0**	**$0**	**$738,196**
Total O&M Project Costs	**$24,279**	**$0**	**$0**	**$24,279**

Total Project Cost	**$ 762,475**	**$ -**	**$ -**	**$ 762,475**

Project Costs Summary

	Prior Authorized	2021_	2022	2023	Totals
Capital Additions - Direct	$0	$451,701	$0	$0	$451,701
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$30,161	$0	$0	$30,161
Total - Direct Spending	$0	$481,862	$0	$0	$481,862
Capital Additions - Indirect	$0	$238,233	$0	$0	$238,233
Subtotal Request	$0	$720,095	$0	$0	$720,095
AFUDC	$0	$18,696	$0	$0	$18,696
Total Capital Request	$0	$738,791	$0	$0	$738,791
O&M	$0	$23,684	$0	$0	$23,684
Total Request	$0	$762,475	$0	$0	$762,475

Technical Justification:

Project Need Statement

[redacted]

Project Scope

[redacted]

Major Materials:

8 Reclosers and controls
1600' 556 TW Three Phase Cable

Background / Justification

[redacted]

[redacted]

[redacted]

[redacted]

- 1/2/2020 Vehicle Accident 121Minutes 115,462CM
- 4/1/2016 Equipment 7Minutes 2,303CM
- 3/31/2016 Pole Fire 67Minutes 804CM

[redacted]

- 3/4/20 Tree 250Minutes 117,750CM

Business Process and / or Technical Improvements:

1. [redacted]

2. [redacted] during emergencies without overloading.

Alternatives Considered with Cost Estimates

Option 1 is the preferred option. Option 2 in the table below calls for the [redacted]

Project Option Comparison

Design Criteria	Option		
[redacted]			
Cost	$763K	$557K	
Cost / MVA added	N/A	N/A	
Cost / CM Saved	$67.55/CM	$372.86/CM	
Cost / CI Saved	$0	$0	
Preferred option	X		

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Prelininary Engineering Approval	September 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 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 ot require system to be abnormal for any extended period of time.

References: *none*

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

Geographic 17R Overload.vsdx

[redacted] load summaryRev1_.xlsx

[redacted] Before & After.vsdx rev 1.vsdx

CD01504_project_needs_statement.pdf