Operations Project Authorization Form

Date Prepared: 7/26/2019	**Project Title: [redacted] UG Loop**
Company/ies: CT	**Project ID Number: CD01334**
Organization: Electric	**Class(es) of Plant: UG Cable & Equipment Replacement**
Project Initiator: [redacted]	**Project Category: DB Cable Replace**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: Resolve DB failures.**
Estimated in service date: 10/31/2019	**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: $433,479	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

There have been six DB failures in this apartment complex in the last five years:
6/13/14 - [redacted] customers for 2 hours and 57 minutes hours
6/21/14 - [redacted] customers for 4 hours and 54 minutes
6/2/19 - [redacted] customers for 5 hours and 36 minutes
6/25/19 – [redacted] customers for 5 hours and 42 minutes
6/26/19 – [redacted] customers for 3 hours and 20 minutes
7/25/19 – [redacted] customers for 8 hours and 36 minutes.
The apartment complex has [redacted]

Project Costs Summary

Note: Dollar Values are in thousands

	Prior Authorized	20__	20__	20__+	Totals
Capital Additions - Direct	$0	$266	$0	$0	$266
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$10	$0	$0	$10
Total - Direct Spending	$0	$277	$0	$0	$277

Capital Additions - Indirect	$0	$143	$0	$0	$143
Subtotal Request	$0	$419	$0	$0	$419
AFUDC	$0	$7	$0	$0	$7
Total Capital Request	$0	$426	$0	$0	$426
O&M	$0	$8	$0	$0	$8
Total Request	$0	$434	$0	$0	$434

Financial Evaluation

Note: Dollar Values are in thousands

Direct Capital Costs	Year 1	Year 2	Year 3+	Total
Straight Time Labor	$10	$0	$0	$10
Overtime Labor	$4	$0	$0	$4
Outside Services	$232	$0	$0	$232
Materials	$36	$0	$0	$36
Other, including contingency amounts (describe)	($5)	$0	$0	($5)
Total Direct Costs	**$277**	**$0**	**$0**	**$277**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirects/Overheads (including benefits)	$143	$0	$0	$143
Capitalized interest or AFUDC, if any	$6	$0	$0	$6
Total Indirect Costs	**$149**	**$0**	**$0**	**$149**
Total Capital Costs	**$426**	**$0**	**$0**	**$426**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$426**	**$0**	**$0**	**$426**
Total O&M Project Costs	**$8**	**$0**	**$0**	**$8**

Total Project Cost	**$ 434**	**$ -**	**$ -**	**$ 434**

Technical Justification:

Project Need Statement

The development has had six long DB outages in the previous five years. The most recent four took over five hours to restore. The crews found multiple problems with aging equipment making switching difficult.

Project Objectives:

[redacted]

Project Scope:

[redacted]

Background / Justification

[redacted] Complex has already been cable injected.

Business Process and / or Technical Improvements:

[redacted]

Alternatives Considered with Cost Estimates

none

Alternative	**Total Cost**	**Comments**

Project Schedule

Milestone / Phase Name	Estimated Completion Date
Preliminary Engineering	7/15/2019
Detail Design	8/15/2019
Construction	10/31/2019

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	Low	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	Low	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.)

[redacted]Project Map (003).pdf