# Operations Project Authorization Form

| | |
|---|---|
| **Date Prepared: 9/26/19** | **Project Title:** [redacted] |
| **Company/ies: CT** | **Project ID Number: CD01382** |
| **Organization: Electric** | **Class(es) of Plant: Distribution** |
| **Project Initiator:** [redacted] | **Project Category: Reclosers** |
| **Project Manager:** [redacted] | **Project Type: Specific** |
| **Project Sponsor:** [redacted] | **Project Purpose: Eliminate large customer zone** |
| **Estimated in service date: 12/31/2021** | **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: $125,072** | |

## Financial Requirements:

### Project Authorization

ERM: _____

FP&A: _____

### Executive Summary

This project has been established to address the large customer zones on the [redacted]

[redacted].

[redacted]

## Project Costs Summary

*Note: Dollar values are in thousands*

| | Prior Authorized | 2019 | 2020 | 2021+ | Totals |
|---|---|---|---|---|---|
| Capital Additions - Direct | $0 | $0 | $0 | $63,927 | $63,927 |
| Less Customer Contribution | $0 | $0 | $0 | $0 | $0 |
| Removals net of Salvage ____% | $0 | $0 | $0 | $19,386 | $19,386 |
| Total - Direct Spending | $0 | $0 | $0 | $83,313 | $83,313 |
| Capital Additions - Indirect | $0 | $0 | $0 | $34,940 | $34,940 |
| Subtotal Request | $0 | $0 | $0 | $118,253 | $118,253 |
| AFUDC | $0 | $0 | $0 | $805 | $805 |
| Total Capital Request | $0 | $0 | $0 | $119,058 | $119,058 |
| O&M | $0 | $0 | $0 | $6,015 | $6,015 |
| Total Request | $0 | $0 | $0 | $125,072 | $125,072 |

## Financial Evaluation

*Note: Dollar values are in thousands*

| Direct Capital Costs | 2019 | 2020 | 2021+ | Total |
|---|---|---|---|---|
| Straight Time Labor | $0 | $0 | $6,665 | $6,665 |
| Overtime Labor | $0 | $0 | $0 | $0 |
| Outside Services | $0 | $0 | $833 | $833 |
| Materials | $0 | $0 | $75,815 | $75,815 |
| Other, including contingency amounts (describe) | $0 | $0 | $0 | $0 |
| **Total Direct Costs** | **$0** | **$0** | **$83,313** | **$83,313** |

| Indirect Capital Costs | 2019 | 2020 | 2021+ | Total |
|---|---|---|---|---|
| Indirect/Overheads (including benefits) | $0 | $0 | $34,940 | $34,940 |
| Capitalized interest or AFUDC, if any | $0 | $0 | $766 | $766 |
| **Total Indirect Costs** | **$0** | **$0** | **$35,706** | **$35,706** |

| | | | | |
|---|---|---|---|---|
| **Total Capital Costs** | **$0** | **$0** | **$119,019** | **$119,019** |
| Less Total Customer Contribution | **$0** | **$0** | **$0** | **$0** |
| **Total Capital Project Costs** | **$0** | **$0** | **$119,019** | **$119,019** |
| **Total O&M Project Costs** | **$0** | **$0** | **$6,054** | **$6,054** |
| **Total Project Cost** | **$ -** | **$ -** | **$125,072** | **$125,072** |

*Note: Explain unique payment provisions, if applicable*

**Technical Justification:**

**Project Need Statement**

[redacted]

**Project Objectives**

The main objectives of this project are as follows.

- Ability to minimize number of customers impacted during outages within the [redacted] zone.

**Project Scope**

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

[redacted]

**Background / Justification**

The [redacted].

**Business Process and / or Technical Improvements**:

1. The installation of new sectional recloser will ensure that large customer zone is broken up into two smaller zones. Hence increasing reliability in case of an outage

## Alternatives Considered with Cost Estimates

No alternatives now

## Project Schedule

| Milestone/Phase Name | Estimated Completion Date |
|---|---|
| Preliminary Engineering Approval | October 2019 |
| Detail Design | December 2019 |
| Construction | December 2020 |
| | |
| | |

## 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. | 2020 | 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 | 2020 | Low | Design to minimize customer impact. Project Preplanning and customer/community outreach |
| Internal construction resources not available to perform the work. | 2020 | 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. | 2020 | Medium | Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost. |
| Storm delays | 2020 | Low | If storm activity delays work, we may be forced to use external resources. |
| System abnormal configuration | 2020 | Low | Schedule work to minimize system abnormal time. Most of this work will to require system to be abnormal for any extended period of time. |

**References**
*None*

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

CD01382_project_needs_statement.pdf

[redacted] Map.pdf

[redacted] After Load.pdf

[redacted] Existing Load.pdf

[redacted] 1 After Oneline.pdf

[redacted] SS Proposal Map.pdf