# Operations Project Authorization Form

| | |
|---|---|
| **Date Prepared:** 10/02/2019 | **Project Title:** [redacted] – Reconductor A/C |
| **Company/ies:** Eversource | **Project ID Number:** CD01388 |
| **Organization:** Electric Distribution | **Class(es) of Plant:** Distribution |
| **Project Initiator:** [redacted] | **Project Category:** Line |
| **Project Manager:** [redacted] | **Project Type:** Reliability Improve Spec Proj |
| **Project Sponsor:** [redacted] | **Project Purpose:** Reconductor OH wires |
| **Estimated in service date:** 06/30/2021 | **If Transmission Project: PTF?** |
| **Eng. /Constr. Resources Budgeted?** | **Capital Investment Part of Original Operating Plan? No** |
| **Authorization Type:** Full Funding | **O&M Expenses Part of the Original Operating Plan? No** |
| **Total Request:** $2,268,500 | |

## Financial Requirements:

### Project Authorization

ERM: _____

FP&A: _____

[redacted]

[redacted]

## Project Costs Summary

| | Prior Authorized | 2021 | 2022 | 2023+ | Totals |
|---|---|---|---|---|---|
| Capital Additions - Direct | $0 | $966,570 | $0 | $0 | $966,570 |
| Less Customer Contribution | $0 | $0 | $0 | $0 | $0 |
| Removals net of Salvage ____% | $0 | $293,110 | $0 | $0 | $293,110 |
| Total - Direct Spending | $0 | $1,259,680 | $0 | $0 | $1,259,680 |
| Capital Additions - Indirect | $0 | $879,736 | $0 | $0 | $879,736 |
| Subtotal Request | $0 | $2,139,416 | $0 | $0 | $2,139,416 |
| AFUDC | $0 | $20,267 | $0 | $0 | $20,267 |
| Total Capital Request | $0 | $2,159,682 | $0 | $0 | $2,159,682 |
| O&M | $0 | $108,818 | $0 | $0 | $108,818 |
| Total Request | $0 | $2,268,500 | $0 | $0 | $2,268,500 |

## Financial Evaluation

| Direct Capital Costs | 2021 | 2022 | 2023+ | Total |
|---|---|---|---|---|
| Straight Time Labor | $157,298 | $0 | $0 | $157,298 |
| Overtime Labor | $35,526 | $0 | $0 | $35,526 |
| Outside Services | $763,827 | $0 | $0 | $763,827 |
| Materials | $294,728 | $0 | $0 | $294,728 |
| Other, including contingency amounts (describe) | $8,300 | $0 | $0 | $8,300 |
| **Total Direct Costs** | **$1,259,680** | **$0** | **$0** | **$1,259,680** |

| Indirect Capital Costs | Year 1 | Year 2 | Year 3+ | Total |
|---|---|---|---|---|
| Indirects/Overheads (including benefits) | $879,736 | $0 | $0 | $879,736 |
| Capitalized interest or AFUDC, if any | $19,286 | $0 | $0 | $19,286 |
| **Total Indirect Costs** | **$899,022** | **$0** | **$0** | **$899,022** |
| | | | | |
| **Total Capital Costs** | **$2,158,701** | **$0** | **$0** | **$2,158,701** |
| | | | | |
| Less Total Customer Contribution | **$0** | **$0** | **$0** | **$0** |
| | | | | |
| **Total Capital Project Costs** | **$2,158,701** | **$0** | **$0** | **$2,158,701** |
| | | | | |
| **Total O&M Project Costs** | **$109,799** | **$0** | **$0** | **$109,799** |

| | | | | |
|---|---|---|---|---|
| **Total Project Cost** | **$2,268,500** | **$ -** | **$ -** | **$2,268,500** |

## Technical Justification:

### Project Need Statement

[redacted]

### Project Objectives

[redacted]

### Project Scope

[redacted]

### Background / Justification

[redacted]

[redacted]

### Alternatives Considered with Cost Estimates

It was considered to only [redacted]

## Project Schedule

| Milestone/Phase Name | Estimated Completion Date |
|---|---|
| Order cables | Complete |
| Set poles | January 2021 |
| Reconductor wires | February – June 2021 |
| | |
| | |

## Regulatory Approvals

N/A

## Risks and Risk Mitigation Plans

| Risk Event | Risk Horizon | Likelihood of Occurrence | Expected Value Cost Exposure ($K) | Risk Mitigation |
|---|---|---|---|---|
| Actual cost higher than estimated due to scope changes. | 2021 | 5% | $2,269 x 5% = $113 | Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues. |
| Internal construction resources not available to perform the work. | 2021 | 20% | $2,269 x 20% = $454 | Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost. |
| Storm delays | 2021 | 5% | $2,269 x 5% = $113 | If storm activity delays work, we may be forced to use external resources. |

[redacted]

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

**Cost Estimate Backup Details**

CD01388_project_needs_statement.pdf