# Operations Project Authorization Form

| | |
|---|---|
| **Date Prepared: 4/26/2021** | **Project Title: Direct Buried Cable Replacement ARDB5TA** |
| **Company/ies: Eversource CT** | **Project ID Number: 5T820589P WO 5T820589** |
| **Organization: Distribution Electric** | **Class(es) of Plant: Distribution** |
| **Project Initiator:** [redacted] | **Project Category: Reliability** |
| **Project Manager:** [redacted] | **Project Type: Specific** |
| **Project Sponsor:** [redacted] | **Project Purpose: Reliability** |
| **Estimated in service date: 2/02/2021** | **If Transmission Project: PTF? N/A** |
| **Eng. /Constr. Resources Budgeted? Y** | **Capital Investment Part of Original Operating Plan?** |
| **Authorization Type: Final Funding** | **O&M Expenses Part of the Original Operating Plan?** |
| **Total Request: $ 162,638** | |

## Financial Requirements:

### Project Authorization

ERM: _____

FP&A: _____

### Executive Summary

For work order 5T8205891, which is work request 3087144 in STORMS, we are installing a second feed into a primarily single phase direct buried development. This development has had multiple outages on the [redacted]
This new feed into the development will allow for single phase switching to pick up customers during a DB outage providing faster restoration times.

This work includes the installation of a [redacted]

## Project Costs Summary

*Note: Dollars are in thousands*

| | Prior Authorized | 2021 | 2022 | 2023+ | Totals |
|---|---|---|---|---|---|
| Capital Additions - Direct | $0 | $104.1 | $0 | $0 | $104.1 |
| Less Customer Contribution | $0 | $0 | $0 | $0 | $0 |
| Removals net of Salvage ____% | $0 | $0 | $0 | $0 | $0 |
| Total - Direct Spending | $0 | $104.1 | $0 | $0 | $104.1 |
| Capital Additions - Indirect | $0 | $56.4 | $0 | $0 | $56.4 |
| Subtotal Request | $0 | $160.5 | $0 | $0 | $160.5 |
| AFUDC | $0 | $0 | $0 | $0 | $0 |
| Total Capital Request | $0 | $160.5 | $0 | $0 | $160.5 |
| O&M | $0 | $2.1 | $0 | $0 | $2.1 |
| Total Request | **$0** | **$162.6** | **$0** | **$0** | **$162.6** |

## Financial Evaluation

*Note: Dollars are in thousands*

| Direct Capital Costs | 2021 | 2022 | 2023+ | Total |
|---|---|---|---|---|
| Straight Time Labor | $1.6 | $0 | $0 | $1.6 |
| Overtime Labor | $2.0 | $0 | $0 | $2.0 |
| Outside Services | $95.9 | $0 | $0 | $95.9 |
| Materials | $4 | $0 | $0 | $4 |
| Other, including contingency amounts (describe) | $0.6 | $0 | $0 | $0.6 |
| **Total Direct Costs** | **$104.1** | **$0** | **$0** | **$104.1** |

| Indirect Capital Costs | 2021 | 2022 | 2023+ | Total |
|---|---|---|---|---|
| Indirects/Overheads (including benefits) | $56.4 | $0 | $0 | $56.4 |
| Capitalized interest or AFUDC, if any | $0 | $0 | $0 | $0 |
| **Total Indirect Costs** | **$56.4** | **$0** | **$0** | **$56.4** |
| | | | | |
| **Total Capital Costs** | **$160.5** | **$0** | **$0** | **$160.5** |
| **Total O&M Project Costs** | **$2.1** | **$0** | **$0** | **$2.1** |

| | | | | |
|---|---|---|---|---|
| **Total Project Cost** | **$ 162.6** | **$ -** | **$ -** | **$ 162.6** |

**Technical Justification:**

**Project Need Statement**
This project is required to support a [redacted]

**Project Objectives**

[redacted]

**Project Scope**

This work includes the installation of a [redacted].

**Major Material**

UG #1 Aluminum EPR
Conduit
1/0 TW
333 KVA 23kV-13.8kV Step Transformer

**Background / Justification**
Reliability concerns based off numerous DB cable faults and one riser into the development.

**Business Process and / or Technical Improvements**
All work will be done to current specifications.

**Project Schedule**

| Milestone/Phase Name | Estimated Completion Date |
|---|---|
| Project Initiation | 03/26/2018 |
| Project In-Service Date | 02/02/2021 |

**Regulatory Approvals**
None needed

**Risks and Risk Mitigation Plans**

| Risk Event | Risk Horizon | Likelihood of Occurrence | Risk Mitigation |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Actual cost higher than estimated due to scope changes. | 2018 | Medium | Create a PAF if the Work Order cost exceeds $100k |
| Internal construction resources not available to perform the work. | 2021 | 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. | 2021 | Low | 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 require system to be abnormal for any extended period of time. |

**Attachments**



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