Operations Project Authorization Form

Date Prepared: 11/21/19	**Project Title: [redacted] 3-Phase Extension**
Company/ies: Eversource CT	**Project ID Number: CD01355**
Organization: Distribution	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: New Service**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: Line Extension**
Estimated in service date: 12/31/2020	**If Transmission Project: PTF? N/A**
Eng. /Constr. Resources Budgeted? N	**Capital Investment Part of Original Operating Plan? N**
Authorization Type: Initial Funding	**O&M Expenses Part of the Original Operating Plan? N**
Total Request: $596,000	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

A new service request has come in from [redacted] The customer has an ISD of 12/31/20.

The initial funding for this project is $596,000. Per our NB-12 policy, when estimated construction costs are expected to exceed 6.7 times the anticipated Annual Distribution Company Revenue, the customer must pay a refundable advance equal to the difference between construction costs and 6.7 times the Anticipated Distribution Company Revenue. The Anticipated Distribution Company Revenue was calculated to be $468,000. Therefore, the total customer contribution for this project is $128,000.

Project Costs Summary

	Prior Authorized	2020	2021	2022+	Totals
Capital Additions - Direct	$0	$309,574	$0	$0	$309,574
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$13,814	$0	$0	$13,814
Total - Direct Spending	$0	$323,388	$0	$0	$323,388
Capital Additions - Indirect	$0	$241,856	$0	$0	$241,856
Subtotal Request	$0	$565,243	$0	$0	$565,243
AFUDC	$0	$9,298	$0	$0	$9,298
Total Capital Request	$0	$574,541	$0	$0	$574,541
O&M	$0	$21,459	$0	$0	$21,459
Total Request	$0	$596,000	$0	$0	$596,000

Financial Evaluation

Direct Capital Costs	2020	2021	2022+	Total
Straight Time Labor	$45,013	$0	$0	$45,013
Overtime Labor	$7,669	$0	$0	$7,669
Outside Services	$142,807	$0	$0	$142,807
Materials	$126,799	$0	$0	$126,799
Other, including contingency amounts (describe)	$1,100	$0	$0	$1,100
Total Direct Costs	**$323,388**	**$0**	**$0**	**$323,388**
Straight Time Labor	$45,013	$0	$0	$45,013

Indirect Capital Costs	2020	2021	2022+	Total
Indirects/Overheads (including benefits)	$241,856	$0	$0	$241,856
Capitalized interest or AFUDC, if any	$8,958	$0	$0	$8,958
Total Indirect Costs	**$250,814**	**$0**	**$0**	**$250,814**
Total Capital Costs	**$574,201**	**$0**	**$0**	**$574,201**
Less Total Customer Contribution	**$128,000**	**$0**	**$0**	**$128,000**
Total Capital Project Costs	**$446,201**	**$0**	**$0**	**$446,201**
Total O&M Project Costs	**$21,799**	**$0**	**$0**	**$21,799**
Total Project Cost	**$ 468,000**	**$ -**	**$ -**	**$ 468,000**

Technical Justification:

Project Need Statement

A new service request has come in from [redacted]. The customer has an ISD of 12/31/20.

Project Objectives

[redacted]

Project Scope

[redacted]

Major Material for the Project

[redacted]

Background / Justification

This is a New Service project where the [redacted]

Business Process and / or Technical Improvements:

New Service Project

Alternatives Considered with Cost Estimates

[redacted]

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Initial Funding Authorization	December 2019
Detailed Design	March 2020
Construction Begin	June 2020
Construction End	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	Low	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.	2020	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost if necessary.
Internal engineering resources not available to perform the work.	2020	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost if necessary.
Materials shortage or long lead times	2020	Medium	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2020	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2020	Medium	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods
Technological risks involving integration of new technology	2020	Low	Before use of new technology ensure support of standards and manufacture. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.

References

NB-12 Policy.pdf

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

[redacted] Projected Load

ELRPS_Prel_KVA_Load.pdf

NB-12 Calculation

CD01355 - [redacted] NB-12 Calculation e-r

Load Summary

CD01355 - [redacted] 3- Phase Extension L

Project Maps

CD01355 - [redacted] 3-Phase Extension - **Before Map**

CD01355 - [redacted] 3-Phase Extension - O **Option 1**

Need Statement

CD01355_project_needs_statement.pdf