Operations Project Authorization Form

Date Prepared:	**Project Title: [redacted] Contingency Overload**
Company/ies: Eversource CT	**Project ID Number: CD01350**
Organization: Distribution Design	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: New Service/Load Growth**
Project Manager: [redacted]	**Project Type: Specific**
Project Sponsor: [redacted]	**Project Purpose: Resolve Projected Overload**
Estimated in service date:12/31/2020	**If Transmission Project: PTF? NA**
Eng. /Constr. Resources Budgeted? No	**Capital Investment Part of Original Operating Plan? Yes**
Authorization Type: Initial Funding	**O&M Expenses Part of the Original Operating Plan? Yes**
Total Request: $1,930,002	

Financial Requirements:

Project Authorization

ERM: _____

FP&A: _____

Executive Summary

A new [redacted]

[redacted]

Project Costs Summary

	Prior Authorized	2020	2021	2022+	Totals
Capital Additions - Direct	$0	$1,101,863	$0	$0	$1,101,863
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$26,104	$0	$0	$26,104
Total - Direct Spending	$0	$1,127,967	$0	$0	$1,127,967
Capital Additions - Indirect	$0	$706,616	$0	$0	$706,616
Subtotal Request	$0	$1,834,583	$0	$0	$1,834,583
AFUDC	$0	$22,008	$0	$0	$22,008
Total Capital Request	$0	$1,856,591	$0	$0	$1,856,591
O&M	$0	$73,411	$0	$0	$73,411
Total Request	$0	$1,930,002	$0	$0	$1,930,002

Financial Evaluation

Direct Capital Costs	**2020**	**2021**	**2022+**	**Total**
Straight Time Labor	$167,167	$0	$0	$167,167
Overtime Labor	$45,418	$0	$0	$45,418
Outside Services	$145,152	$0	$0	$145,152
Materials	$765,758	$0	$0	$765,758
Other, including contingency amounts (describe)	$4,472	$0	$0	$4,472
Total Direct Costs	**$1,127,967**	**$0**	**$0**	**$1,127,967**

Indirect Capital Costs	**2020**	**2021**	**2022+**	**Total**
Indirect/Overheads (including benefits)	$706,616	$0	$0	$706,616
Capitalized interest or AFUDC, if any	$21,161	$0	$0	$21,161
Total Indirect Costs	**$727,777**	**$0**	**$0**	**$727,777**
Total Capital Costs	**$1,855,744**	**$0**	**$0**	**$1,855,744**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$1,855,744**	**$0**	**$0**	**$1,855,744**
Total O&M Project Costs	**$74,258**	**$0**	**$0**	**$74,258**

Total Project Cost	**$ 1,930,002**	**$ -**	**$ -**	**$ 1,930,002**

Technical Justification:

Project Need Statement

[redacted]

[redacted]

[redacted]

[redacted] .

Project Objectives

The main objective of this project is to [redacted].

Project Scope

The preferred option consists of segments 1 through 7.

Segment 1

[redacted]

Background / Justification

[redacted]

Business Process and / or Technical Improvements:

[redacted]

Alternatives Considered with Cost Estimates

The first alternative is to [redacted]

[redacted]

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Engineering	08/2019
Detail Design	12/2019
Full Funding	03/2020
Construction	12/2020

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.	2019	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	2019	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction 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.
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.
Materials Shortage or long lead times	2020	Low	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	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods
Technological risks involving	2020	Low	Before use of new technology ensure support of standards and manufacture. Schedule project to

integration of new technology			accommodate for extra time or ensure new technology is not on the critical path.
Wetlands / Environmentally sensitive area	2020	Low	Use of mats and specialty equipment, only work during certain times of the year

References
N/A

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

CD01350 Visio Map Final.pdf

CD01350_project_needs_statement.pdf

CD01350 LoadSheet.pdf

Cost Estimate Backup Details

Budget Summary - Preferred Option [redacted] Contingency Overload Prefered Option

2020

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	[redacted] Reconductor the 336 AL SC to 556 SC	Prelim	0	24%	$346,592	$346,592
2	[redacted] Reconductor the 750 AL to 1000 Cu	Prelim	0	24%	$215,932	$215,932
3	[redacted] 72S Reconductor 1/0 TW to 556 TW	Prelim	0	24%	$529,517	$529,517
4	[redacted] 70S Reconductor #2 bare Cu to 556TW	Prelim	0	24%	$215,400	$215,400
5	[redacted] 60R reonductor 2/0 Cu to 556 TW	Prelim	0	24%	$385,181	$385,181
6	[redacted] Reconductor the 750 AL to 1000 Cu	Draft	0	24%	$39,951	$39,951
7	[redacted] Reconductor the 750 AL to 1000 Cu	Draft	0	24%	$197,431	$197,431
				2020 Total:	**$1,930,002**	**$1,930,002**
				Total Project:	**$1,930,002**	**$1,930,002**