Operations Project Authorization Form

Date Prepared:	**Project Title: [redacted] High Capacity Feeder**
Company/ies: Eversource CT	**Project ID Number: CD01511**
Organization: Distribution Design	**Class(es) of Plant: Distribution**
Project Initiator: [redacted]	**Project Category: Line**
Project Manager: [redacted]	**Project Type: New Business**
Project Sponsor: [redacted]	**Project Purpose: Resolve Projected Load Demand**
Estimated in service date: 6/30/2021	**If Transmission Project: PTF? NA**
Eng. / Constr. Resources Budgeted? Yes	**Capital Investment Part of Original Operating Plan? Yes**
Authorization Type: Preliminary Funding	**O&M Expenses Part of the Original Operating Plan? Yes**
Total Request: $1,479,158	

Financial Requirements:

Project Authorization
ERM: _____

FP&A: _____

Executive Summary

[redacted]

[redacted]

[redacted]

[redacted]

All labor and material associated with CD01511, including the permanent roadway, will be added to the [redacted] Inventory List calculation and will result in an increase in the monthly fee that [redacted] is charged going forward. [redacted] is responsible for all civil work and concrete products associated with the new underground cables.

Project Costs Summary

Note: Dollar values are in thousands

	Prior Authorized	2021	2022	2023+	Totals
Capital Additions - Direct	$0	$843	$0	$0	$843
Less Customer Contribution	$0	$0	$0	$0	$0
Removals net of Salvage ____%	$0	$78	$0	$0	$78
Total - Direct Spending	$0	$921	$0	$0	$921
Capital Additions - Indirect	$0	$502	$0	$0	$502
Subtotal Request	$0	$1,423	$0	$0	$1,423
AFUDC	$0	$11	$0	$0	$11
Total Capital Request	$0	$1,434	$0	$0	$1,434
O&M	$0	$45	$0	$0	$45
Total Request	$0	$1,479	$0	$0	$1,479

Financial Evaluation

Note: Dollar values are in thousands

Direct Capital Costs	2021	2022	2023+	Total
Straight Time Labor	$63	$0	$0	$63
Overtime Labor	$11	$0	$0	$11
Outside Services	$629	$0	$0	$629
Materials	$215	$0	$0	$215
Other, including contingency amounts (describe)	$3	$0	$0	$3
Total Direct Costs	**$921**	**$0**	**$0**	**$921**

Indirect Capital Costs	Year 1	Year 2	Year 3+	Total
Indirect/Overheads (including benefits)	$502	$0	$0	$502
Capitalized interest or AFUDC, if any	$11	$0	$0	$11
Total Indirect Costs	**$513**	**$0**	**$0**	**$513**
Total Capital Costs	**$1,434**	**$0**	**$0**	**$1,434**
Less Total Customer Contribution	**$0**	**$0**	**$0**	**$0**
Total Capital Project Costs	**$1,434**	**$0**	**$0**	**$1,434**
Total O&M Project Costs	**$45**	**$0**	**$0**	**$45**

Total Project Cost	**$ 1,479**	**$ -**	**$ -**	**$ 1,479**

Technical Justification:

Project Need Statement

[redacted]

The goal of this project is to create feeder diversity to prevent large- scale outages in the [redacted] should a fault arise at any sources.

Project Scope

[redacted]

Background / Justification

Due to [redacted], this project is intended to support [redacted] multi-year electrical infrastructure upgrade.

Business Process and / or Technical Improvements:

This proposal will address [redacted] new projected load demand. [redacted]

Alternatives Considered with Cost Estimates:

[redacted]

Project Schedule

Milestone/Phase Name	Estimated Completion Date
Preliminary Engineering	04/2020
Detail Design	09/2020
Full Funding	12/2020
Construction	06/2021

Regulatory Approvals

Wetland permitting required for ROW access and installation of permanent roadway.

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	2020/2021	Medium	Design to minimize customer impact. Project Preplanning and customer/community outreach
Internal construction resources not available to perform the work.	2021	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.	2020	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2021	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
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. 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.
Wetlands / Environmentally sensitive area	2020/2021	High	Use of mats and specialty equipment, only work during certain times of the year

References

N/A

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


[redacted] High Cap Tie Existing.pdf


[redacted] High Capacity Tie Visio RC


[redacted] High Capacity Tie Visio Ki


[redacted] High Cap Feeder Loadsheet.p


CD01511_project_needs_statement.pdf

Cost Estimate Backup Details

Budget Summary - Preferred Option [redacted]High Cap ROW Option

2021

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	Option 1 ROW	Draft	0	24%	$1,479,158	$1,479,158
				2021 Total:	**$1,479,158**	**$1,479,158**
				Total Project:	**$1,479,158**	**$1,479,158**