Project Authorization Form

Date Prepared: 1/9/2017	Project Title: [redacted]
Company/ies: Eversource CT	Project ID Number: 106028
Organization: Electric	Class(es) of Plant: Distribution
Project Initiator: [redacted]	Project Category: Overload
Project Owner/Manager: [redacted]	Project Type: Specific
Project Sponsor: [redacted]	Project Purpose: Avoid overloads in various areas
Estimated in service date: 12/31/2017	If Transmission Project: NA
Supplement to Existing Authorization? No	Capital Investment Part of Original Operating Plan? Yes
Eng./Constr. Resources Budgeted? Yes	O&M Expenses Part of the Original Operating Plan? Yes

Project Authorization

Project authorization must be in accordance with the approval levels included in the Delegation of Authority Policy (DOA).

If Chief Executive Officer or subsidiary board approval is required, document the review by Enterprise Risk Management (ERM) and Financial Planning and Analysis (FP&A)

ERM: _____

FP&A: _____

Executive Summary

The town of New Fairfield is located in the Northwest corner of Fairfield County. It is surrounded by Candlewood Lake to the East, the state of New York to the West, the town of Sherman to the North and the city of Danbury to the South. [redacted]

[redacted]. The cost for generation for approximately 2,000kw of load that could not be picked up by adjacent circuits is approximately $90K per week plus fuel, adders and switching.

[redacted]

INSTALL TWO NEW FEEDERS OUT OF MIDDLE RIVER SUB

A project was approved to install two new feeders to supply this area from Middle River. These new circuits will eliminate our need for both of the underwater cables should they fail. Once they do fail they can be abandoned and all load can be placed on one of the two new feeders after they are re-configurated.

Approval of this option would resolve many issues as noted below:

[redacted]

The ENG estimate was for $6,456k and the ACT request is for $7,127k for a total variance of $671k or 110%. The increase in cost is due to an error in the ENG estimate with respect to the amount of aerial cable required. The ENG estimate called for 31k feet where the actual footage required is 38k feet. The additional 7k feet would equate to $826k in the ENG estimating spreadsheet. A total of $1.6M has already been charged to this project in 2016.

Project Costs Summary

	Prior Authorized*	Additional Request	Total Request**	2016 Actuals	2017	Total
Capital Additions Direct	0	0	$ 4,381,096	$ 1,053,386	3,327,710	$4,381,096
Less Customer Contribution	0	0	$ -	$ -	$ -	$0
Removals Net of Salvage	0	0	$ 353,398	$ 42,203	311,195	$353,398
Total - Direct Spending	$0	$0	$ 4,734,494	$ 1,095,589	$3,638,905	$4,734,494
Capital Additions - Indirect	0	0	$ 1,940,794	$ 454,833	1,485,961	$1,940,794
AFUDC	0	0	$ 41,163	$ 24,518	16,644	$41,163
Total Capital Request	$5,939,101	$777,350	$ 6,716,451	$ 1,574,940	$ 5,141,511	$ 6,716,451
O&M	$516,000	-$105,549	$410,451	$40,871	369,580	$410,451
Total Request	$6,455,101	$671,801	**$ 7,126,902**	$ 1,615,811	$ 5,511,091	**$ 7,126,902**

** Current total amount authorized in PowerPlan*
*** Total amount needed for authorization in PowerPlan based on ACT*

Financial Evaluation

Provide the following financial information (attach additional detail if summarized items are significant or additional information is needed).

Direct Capital Costs	2016 Actuals	2017	2018	Total
Straight Time Labor	20,512	0	0	20,512
Overtime Labor	0	0	0	0
Outside Services	782,554	2,319,737	0	3,102,291
Materials	292,523	1,319,168	0	1,611,691
Other, including contingency amounts	0	0	0	0
Total	1,095,589	3,638,905	0	4,734,494

Indirect Capital Costs	2016 Actuals	2017	2018	Total
Indirects/Overheads (including benefits)	454,833	1,485,961	0	1,940,794
Capitalized interest or AFUDC, if any	24,518	16,644	0	41,163
Total	479,351	1,502,606	0	1,981,957
Total Capital Costs	1,574,940	5,141,511	0	6,716,451
Less Total Customer Contribution	0	0	0	0
Total Capital Project Costs	1,574,940	5,141,511	0	6,716,451
Total O&M Project Costs	40,871	369,580	0	410,451
Total Project Cost	1,615,811	5,511,091	0	7,126,902

Note: Explain unique payment provisions, if applicable

If this is a new business project, is a customer contribution required? If yes, please note the contribution amount.

In addition, for all electric and gas growth / new business projects, please attach the CIAC calculation

Provide other financial documentation as warranted by management and / or regulatory precedent. When performing financial analysis, use appropriate discount rate by company (can be provided by Budgeting and Internal Reporting or Financial Planning and Analysis).


106028 segs, 1,3,4,5 ACT 021717.



106028 OCRC ENG Approval.pdf



Candlewood Lake Cable Article.pdf



106028_project_needs_statement.pdf