Supplement Request Form

Approved at March 28, 2018 EPAC

Link to Meeting Minutes

Date Prepared: 03/05/18	**Project Title: [redacted] Circuit Breaker Automation**
Company/Companies: ES - CT	**Project ID Number: CS00186**
Organization: Distribution Projects	**Plant Class/(F.P. Type): Specific**
Project Initiator: [redacted]	**Project Type: Distribution Substation**
Project Manager: [redacted]	**Capital Investment Part of Original Operating Plan? Yes**
Project Sponsor: [redacted]	**O&M Expenses Part of the Original Operating Plan? No**
Current Authorized Amount: $300K	**Estimated in service date(s): 12/31/17**
Supplement Request: $183K	**Other:**
Total Request: $483K	

Supplement Justification

This request is for supplemental funding in the amount of **$183K** for the [redacted] Substation Circuit Breaker Automation Project. This supplemental approval will increase the total authorized funding for the project from $300,000.00 to $483,000.00.

The initial authorized budget for this project was **$300K**. The original scope of the project was based on the NESC Arc Flash Relay Installation program DME, dated 3/7/2016 [redacted] This project was completed on 7/1/2017.

Reason for the additional funding request:

1) [redacted]

2) The original project cost estimate did not include the additional construction effort needed to work in the [redacted]. Additional work was required to perform asbestos abatement in the control house.

Additional cost breakdown is as follows:

1. Engineering & design: $21K
2. Materials: - $20K
3. Construction: $56K
4. Overheads: $124K
5. AFUDC: 2K

Total Increase: $183K

Justification for Additional Resources

In addition, please attach a copy of the prior authorized PAF as reference

	Prior Authorized	Supplement Request	Total
Capital Additions - Direct	$212	$55	$267
Less Customer Contribution	0	0	0
Removals Net of Salvage ___%	5	1	6
Total Direct Spending	$217	$56	$273
Capital Additions - Indirect	79	125	204
AFUDC	4	2	6
Total Capital Request	$300	$183	$483
O&M	0	0	0
Total Request	$300	$183	$483

Note: *Dollar values are in thousands*

Total Supplement Request by year view:

	2017	2018	Total
Capital Additions Direct	$51	$4	$55
Less Customer Contribution	0	0	0
Removals Net of Salvage ___%	1	0	1
Total Direct Spending	$52	$4	$56
Capital Additions - Indirect	117	8	125
AFUDC	2	0	2
Subtotal Request	$171	$12	$183
O&M	0	0	0
Total Request	$171	$12	$183

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CS00186

[redacted] - Circuit Breaker Auto

Work Classification

Category: Substation
Type: SRCA
Type Desc: SS CIRCUIT BREAKER AUTOMATION
Work Type: Other Work

Ownership / Management

AWC: East Hampton
Statewide: No
Owner: [redacted]
Manager: [redacted]

Project Information

Status: Draft
SPS #:
AIS Score:
Associated Projects:
Assignment ID:
Patrol Find ID:

Budget Summary - Preferred Option

Automate 4 - 27.6 kV breakers

2017

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	[redacted]	Prelim	0	0 %	$300,000	$300,000
				2017 Total:	**$300,000**	**$300,000**
				Total Project:	**$300,000**	**$300,000**

Specific Project Proposal - Project #: CS00186

[redacted] - Circuit Breaker Auto

Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	[redacted]	1	$300,000	$0	100 %	$0.00	$0.00	☑

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	[redacted]	$300,000			$0.00	$0.00

Specific Project Proposal - Project #: CS00186

[redacted] - Circuit Breaker Auto

Background / Scope

Issue:

There is an initiative to [redacted]

Project Description:

January 2016 - This is for ENG approval. The scope is to [redacted] The estimated cost is [redacted] for each or $300k total. The ISD is 12/31/17.

Other Considerations:

Revision / ACT Comments:

If we don't do this project, what will happen?

Environmental

Water Pollution: No Change Soil Contamination: No Change Natural Habitats: No Change

Alternatives considered based on Environmental Impact or Description of Aspects Oil Spill Risks Considered? ☑

Safety Concerns With This Project? ☐

Explain:

External Stakeholders

Customer Impact / Involvement

Cust. Impacted:
Crit. Cust. Impacted:
Adjoining Property Owner Consent Required: ☐
Other Utility Pole Custodian Area: ☐
State Highway Permit Required: ☐

Approx. Pole Count (NU):
Approx. Pole Count (Other):
Town Hearing Required: ☐
Easement Required: ☐

Relocation / New Service

New Srvc. Contact:
Customer Type:
Request Number:

Requestor Type:
State Highway Project #:
Route #:

Specific Project Proposal - Project #: CS00186

[redacted] - Circuit Breaker Auto

Design Alternative CS00186-01

General Information

Segment: 1 - [redacted]
Status: Prelim Design Submitted
Segment Type: DSCADA
Town: WINDHAM
Budget Year: 2017
Work Type: Other
Trimming Required: ☐
In Service Date: 12/31/2017
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]	[redacted]	[redacted]

Specific Project Proposal - Project #: CS00186

[redacted] - Circuit Breaker Auto

Design Alternative CS00186-01

Estimate

	Preliminary Estimate Summary
Revision Number:	0
Contingency:	0.00 %
SubTotal:	$300,000
Contingency Amount:	$0
Estimate:	$300,000
Reimbursement:	$0
Net Amount:	**$300,000**
Description:	Automate [redacted] - 27.6 kV breakers

Item Description	CU	$ / Per	Qty	Amount
OTHER	15-ALL14	1.00 / $	300,000	$300,000.00
OTHER				

Associated / Impacted Devices

Status	Type / SysID	Street / Cross St	Structure / Town	Circuit	Map	Cust	Notes
Existing	[redacted]						
Existing							
Existing							
Existing							

Design Alternative

CS00186-01

Reliability Projection

Title:

Outage Start Date: 01/01/2007 Outage End Date: 12/22/2015 Years History: 8.98

[redacted]