Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CS00146

[redacted]

Work Classification

Category: [redacted]
Type: BLG5
Type Desc: [redacted]
Work Type: [redacted]

Ownership / Management

AWC: Hartford
Statewide: No
Owner: [redacted]
Manager [redacted]

Project Information

Status: Prelim Design Approved
Associated Projects: CD00568
SPS #:
Assignment ID:
AIS Score:
Patrol Find ID:

Budget Summary - Preferred Option

[redacted]

2016

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
3	[redacted]	Prelim	0	0 %	$523,354	$523,354
				2016 Total:	**$523,354**	**$523,354**
				Total Project:	**$523,354**	**$523,354**

Specific Project Proposal - Project #: CS00146

[redacted]

Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	[redacted]	[redacted]	$532,384	$0	100 %	$0.00	$0.00	☐
O2	[redacted]	[redacted]	$523,354	$0	100 %	$0.00	$0.00	☑

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	[redacted]	$284,384			$0.00	$0.00
2		$248,000			$0.00	$0.00
3		$523,354			$0.00	$0.00

Background / Scope

Issue:

[redacted]

Project Description:

This project proposes to establish a new circuit at [redacted] substation [redacted] circuit) and use this circuit to serve customers/load now being fed by the [redacted] circuit. Below is a summary of the work involved:

Project #CS00146

[redacted]

Project #CD00568

[redacted]

Other Considerations:

Revision / ACT Comments:

Specific Project Proposal - Project #: CS00146

Establish New Circuit at [redacted]

Revision 1 - 2/3/16

In early November 2015, Project #CD00419 was ENG approved to change the service to Travelers from 3 - 11 KV [redacted] feeders to 4 - 11 KV [redacted] feeders. This service change will free up additional feeder positions [redacted] substation for future use [redacted] Refer to Project #CD00419 documentation and/or 11/4/15 OCRC meeting minutes for additional information regarding this service change.

In mid November 2015, Distribution Design met with Substation Engineering to take another look at the [redacted]

This project revision proposes to utilize the [redacted] since it is expected to be less costly by [redacted] Other changes to this project included in this revision are shown below:

[redacted]

See Project #CD00568 for changes to the distribution line project associated with this distribution substation project.

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

[redacted]

Environmental

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

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

Removal of oil-filled substation transformer

Safety Concerns With This Project? ☐

Explain:

External Stakeholders

Customer Impact / Involvement

Cust. Impacted:		Approx. Pole Count (NU):	
Crit. Cust. Impacted:		Approx. Pole Count (Other):	
Adjoining Property Owner Consent Required:	☐	Town Hearing Required:	☐
Other Utility Pole Custodian Area:	☐	Easement Required:	☐
State Highway Permit Required:	☐		

Relocation / New Service

New Srvc. Contact:		Requestor Type:	
Customer Type:		State Highway Project #:	
Request Number:		Route #:	

Specific Project Proposal - Project #: CS00146 [redacted]

Segment CS00146-01

General Information

Segment: [redacted]
Status: Prelim Design Approved
Segment Type: S/S - LOAD
Town: [redacted]
Budget Year: 2020
Work Type: Other
Trimming Required: ☐
In Service Date: 12/31/2020
Description: [redacted]

Itemized Work List

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

Segment CS00146-01

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	0.00 %
SubTotal:	$284,384
Contingency Amount:	$0
Estimate:	$284,384
Reimbursement:	$0
Net Amount:	**$284,384**

Description: Original ENG estimate

Item Description	CU	$ / Per	Qty	Amount
OTHER	15-ALL14	[redacted]		$284,384.00
OTHER [redacted] on 3/17/15				

Associated / Impacted Devices

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

Segment CS00146-01

Reliability Projection

Title:

Outage Start Date: 01/01/2007 Outage End Date: 07/06/2015 Years History: 8.52

[redacted]

Specific Project Proposal - Project #: CS00146 [redacted]

Segment CS00146-02

General Information

Segment: [redacted]
Status: Prelim Design Approved
Segment Type: S/S - LOAD
Town: [redacted]
Budget Year: 2020
Work Type: Other
Trimming Required: ☐
In Service Date: 12/31/2020
Description: [redacted]

Itemized Work List

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

Segment CS00146-02

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	24.00 %
SubTotal:	$200,000
Contingency Amount:	$48,000
Estimate:	$248,000
Reimbursement:	$0
Net Amount:	**$248,000**

Description: Original ENG estimate

Item Description	CU	$ / Per	Qty	Amount
OTHER	15-ALL14	[redacted]		$200,000.00
OTHER Feeder Reactors (est. $200K/feeder)				

Associated / Impacted Devices

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

Segment CS00146-02

Reliability Projection

Title:

Outage Start Date: 01/01/2007 Outage End Date: 07/06/2015 Years History: 8.52

[redacted]

Specific Project Proposal - Project #: CS00146 [redacted]

Design Alternative CS00146-03

General Information

Segment: [redacted]
Status: Prelim Design Submitted
Segment Type: S/S - LOAD
Town: [redacted]
Budget Year: 2016
Work Type: Other
Trimming Required: ☐
In Service Date: 12/31/2016
Description: [redacted]

Itemized Work List

ID	Major Grid	Minor Grid	Description of Work to be Performed
1	[redacted]		
2			
3			

Design Alternative CS00146-03

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	0.00 %
SubTotal:	$523,354
Contingency Amount:	$0
Estimate:	$523,354
Reimbursement:	$0
Net Amount:	**$523,354**

Description: Original ENG estimate

Item Description	CU	$ / Per	Qty	Amount
OTHER	16-ALL14	[redacted]		$523,354.00
OTHER [redacted] on 1/15/16				

Associated / Impacted Devices

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

Design Alternative CS00146-03

Reliability Projection

Title:

Outage Start Date: 01/01/2007 Outage End Date: 02/03/2016 Years History: 9.10

[redacted]