Connecticut Light & Power
The Northeast Utilities System

Specific Project Proposal - Project #: CS00022
East New Britain 7L Area Study

Work Classification

Category	Substation
Type	BLG5
Type Desc	SUBSTATION OVERLOADS-SPEC PROJ
Work Type	SSAC

Ownership / Management

AWC	Cheshire
Statewide Project	N
Owner	[redacted]
Manager	[redacted]

Project Information

Status	Prelim Design Approved	**Associated Projects**	
Summary Num		**AIS Score**	
Assignment Id		**Patrol Find Id**	

Summary

ID	Segment Name	Status	Preliminary Estimate	Construction Estimate	Var Amt	In Service
1	Install a mobile position at [redacted]	Prelim Design Approved	$599,400		$0	05/31/2016
2	Transfer [redacted]	Prelim Design Submitted	$38,280		$0	05/31/2016
3	[redacted]	Prelim Design Submitted	$21,780		$0	05/31/2016
4	[redacted]	Prelim Design Submitted	$143,847		$0	05/31/2016
5	[redacted]	Prelim Design Submitted	$33,594		$0	05/31/2016
		Totals	$836,901		$0	

Specific Project Proposal - Project #: CS00022

Design Option Summary

ID	Description	Design Alternatives	Cost	DPU $/CMS	IEEE $/CMS	All $/CMS	Prefrd
1	Install Mobile Position	1	$599,400	$0.00	$0.00	$0.00	☑

Design Option Detail

ID	Title	Status	Estimate	DPU $/CMS	IEEE $/CMS	All $/CMS
1	Install a mobile position at [redacted]	Prelim Design Approved	$599,400	$0.00	$0.00	$0.00
2		Prelim Design Submitted	$38,280	$0.00	$0.00	$0.00
3		Prelim Design Submitted	$21,780	$0.00	$0.00	$0.00
4		Prelim Design Submitted	$143,847	$0.00	$0.00	$0.00
5		Prelim Design Submitted	$33,594	$0.00	$0.00	$0.00

Specific Project Proposal - Project #: CS00022

Background / Scope

Project Description

12/18/13

Area study presentation for the [redacted]

[redacted]

Scope Project

Issue

Justification of Need

Alternatives

Other Considerations

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

Environmental

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

Oil Spill Risks Considered? ☐

Alternatives considered based on Environmental Impact or Description of Aspects

Safety Concerns With This Project? ☐

Explain

External Stakeholders

Customer Impact / Involvement

 # Customers Impacted

Critical Customers Impacted

Approximate Pole Count (NU)

Approximate 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 Service Contact **Requestor Type**

Customer Type **State Highway Project #**

Request Number **Route #**

Specific Project Proposal - Project #: CS00022

Design Alternative

General Information

Number 2 [redacted]

Segment Type S/S - LOAD **Town** [redacted]

Work Type CS00022 **Trimming Required** ☐

In Service Date 05/31/2016 **Budget Year** 2016

Description **Status** Prelim Design Submitted

[redacted].

Itemized Work List

Major Grid	Minor Grid	Description of Work to be Performed

Estimate

Revision Number 2

Estimate Summary			FERC Mapping		Approval Information
SubTotal		$29,000	**Capital**	99 %	**By**
Contingency	32 %	$9,280	**Removal**	1 %	**Date**
Estimate		$38,280	**Expense**	0 %	
Reimbursement		$0			
Net Amount		$38,280			

Details

Item Description		$/per	Qty	Amount	Note
SWITCHING	13-ALL16	[redacted]	[redacted]	$16,400	
OH/DB/UG - SWITCHING NonNetwork - Complex					
Labor per switching order					
UG CABLE	13-UG113A	[redacted]	[redacted]	$12,600	
DB/UG - 750 - 4CT (3ph) Al					
Labor, material, straight splices, terminators					

Associated/Impacted Devices

Status	Type/SysID	Street/Cross St	Structure/Town	Circuit	Map	Cust	Notes

Specific Project Proposal - Project #: CS00022

Design Alternative

General Information

Number 3 [redacted]

Segment Type S/S - LOAD **Town** [redacted]

Work Type CS00022 **Trimming Required** ☐

In Service Date 05/31/2016 **Budget Year** 2016

Description **Status** Prelim Design Submitted

[redacted]

Itemized Work List

Major Grid	Minor Grid	Description of Work to be Performed

Estimate

Revision Number 3

Estimate Summary			FERC Mapping		Approval Information
SubTotal		$16,500	**Capital**	99 %	**By**
Contingency	32 %	$5,280	**Removal**	1 %	**Date**
Estimate		$21,780	**Expense**	0 %	
Reimbursement		$0			
Net Amount		$21,780			

Details

Item Description		$/per	Qty	Amount	Note
SWITCHING	13-ALL17	[redacted]	[redacted]	$4,100	
OH/DB/UG - SWITCHING NonNetwork - Average					
Labor per switching order					
TRAFFIC	13-ALL18	[redacted]	[redacted]	$1,000	
OH/DB/UG - Traffic Control - Police Officer					
$1000 / day / officer, Urban area, Main/State roads, 2 needed for reconductoring, multiple crews					
SECTIONALIZE	13-OH62	[redacted]	[redacted]	$11,400	
OH - Recloser Control - setting changes only					
Labor to change recloser control settings					

Associated/Impacted Devices

Status	Type/SysID	Street/Cross St	Structure/Town	Circuit	Map	Cust	Notes

Specific Project Proposal - Project #: CS00022

Design Alternative

General Information

Number 4 [redacted]

Segment Type S/S - LOAD **Town** [redacted]

Work Type CS00022 **Trimming Required** ☐

In Service Date 05/31/2016 **Budget Year** 2016

Description **Status** Prelim Design Submitted

[redacted].

Itemized Work List

Major Grid	Minor Grid	Description of Work to be Performed

Estimate

Revision Number 4

Estimate Summary			FERC Mapping		Approval Information
SubTotal		$108,975	**Capital**	99 %	**By**
Contingency	32 %	$34,872	**Removal**	1 %	**Date**
Estimate		$143,847	**Expense**	0 %	
Reimbursement		$0			
Net Amount		$143,847			

Details

Item Description		$/per	Qty	Amount	Note
TRAFFIC	13-ALL18	[redacted]	[redacted]	$10,000	
OH/DB/UG - Traffic Control - Police Officer					
$1000 / day / officer, Urban area, Main/State roads, 2 needed for reconductoring, multiple crews					
XF	13-OH49	$[redacted]	[redacted]	$41,400	
OH - Stepdown - 1ph - on POLE					
Includes: pole replacement, cutouts, arresters, XF labor only					
EQUIPMENT	13-OH57	[redacted]	[redacted]	$49,875	
OH - Conversion Prep Work - 3ph					
Pre-Conversion work to repl XF's & insulators,inst grounds,shift conduct. etc- PER POLE NEEDING WORK					
EQUIPMENT	13-OH58	$[redacted]	[redacted]	$7,700	
OH - Conversion - CUTOVER					
Switch taps, reconnect XF, bond neutral, etc. on day of conversion PER LOCATION					

Associated/Impacted Devices

Status	Type/SysID	Street/Cross St	Structure/Town	Circuit	Map	Cust	Notes
Existing	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0	

Specific Project Proposal - Project #: CS00022

Design Alternative

General Information

Number 5 [redacted]

Segment Type S/S - LOAD

Town [redacted]

Work Type CS00022

Trimming Required ☐

In Service Date 05/31/2016

Budget Year 2016

Description [redacted]

Status Prelim Design Submitted

Itemized Work List

Major Grid	Minor Grid	Description of Work to be Performed

Estimate

Revision Number 5

Estimate Summary

SubTotal		$25,450
Contingency	32 %	$8,144
Estimate		$33,594
Reimbursement		$0
Net Amount		$33,594

FERC Mapping

Capital	99 %
Removal	1 %
Expense	0 %

Approval Information

By

Date

Details

Item Description		$/per	Qty	Amount	Note
TRAFFIC	13-ALL19	[redacted]	[redacted]	$2,000	
OH/DB/UG - Traffic Control - Flagger					
$250 / day / flagger, Rural area, secondary roads, 2 needed for reconductoring, multiple crews					
POLETOP	13-OH17	[redacted]	[redacted]	$3,200	
OH - Change Armless poletop to Xarm poletop - 3ph					
Replace 3ph armless poletop with 3ph crossarm poletop					
XF	13-OH50	[redacted]	[redacted]	$20,250	
OH - Stepdowns, 3-1ph - on one POLE					
Includes: pole replacement, cutouts, arresters, XF labor only					

Associated/Impacted Devices

Status	Type/SysID	Street/Cross St	Structure/Town	Circuit	Map	Cust	Notes
Existing	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	0	

Specific Project Proposal - Project #: CS00022

Segment

General Information

Number 1 Install a mobile position at [redacted]

Segment Type S/S - LOAD **Town** [redacted]

Work Type CS00022 **Trimming Required** ☐

In Service Date 05/31/2016 **Budget Year** 2016

Description [redacted] **Status** Prelim Design Approved

Itemized Work List

Major Grid	Minor Grid	Description of Work to be Performed

Estimate

Revision Number 1

Estimate Summary			FERC Mapping		Approval Information	
SubTotal		$555,000	**Capital**	99 %	**By**	[redacted]
Contingency	8 %	$44,400	**Removal**	1 %	**Date**	12/18/2013
Estimate		$599,400	**Expense**	0 %		
Reimbursement		$0				
Net Amount		$599,400				

Details

Item Description		$/per	Qty	Amount	Note
OTHER	13-ALL14	[redacted]	[redacted]	$555,000	Decision Making Estimate
OTHER					
Item not in list					

Associated/Impacted Devices

Status	Type/SysID	Street/Cross St	Structure/Town	Circuit	Map	Cust	Notes
Existing	[redacted]	[redacted]		[redacted]	[redacted]	0	
	[redacted]		[redacted]		[redacted]		

Construction (ACT) Estimate

Construction Estimate Description

Revision Number 1
Estimate Creator [redacted]
Estimate Created 12/17/2013
Approved By

CIAC Amount
Contingency % 7.50 %
By NU ☑
By Contractor ☐

FERC Capital % 99.00 %
FERC Remove % 1.00 %

Total Est Amt $0.00
Contingency Amt

FERC Expense %	0.00 %	**Expenditure Amt**	$0.00
Approved Date		**Reimbursement Amt**	$0.00
		Net Estimate Amt	