Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CS00200

[redacted] - Greenjacket Animal Protect

Work Classification

Category: Substation
Type: REL1
Type Desc: SUBSTATION BUS REHABILITATION
Work Type: Other Work

Ownership / Management

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

Project Information

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

Budget Summary - Preferred Option

Install Greenjacket Animal Protection

2016

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	Install Greenjacket Animal Protection	Prelim	0	0 %	$400,000	$400,000
				2016 Total:	**$400,000**	**$400,000**
				Total Project:	**$400,000**	**$400,000**

Specific Project Proposal - Project #: CS00200

[redacted] Greenjacket Animal Protect

Project Option Summary

ID	Description	Segments	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)	Prfrd
O1	Install Greenjacket Animal Protection	1	$400,000	$0	100 %	$0.00	$0.00	☑

Segments

ID	Title	Preliminary Estimate	Construction Estimate	Variance	IEEE $/CMS	All (w/Storm)
1	Install Greenjacket Animal Protection	$400,000			$0.00	$0.00

Background / Scope

Issue:

[redacted] has had animal outages in the past, despite having animal proofing installed. A more effective method is a product called "Greenjacket" which provides customized animal proofing material that is installed on the equipment.

Project Description:

April 13, 2016 - This project is being presented for ENG approval. The proposed scope is to install Greenjacket animal protection on the 23 kV equipment in the substation that is vulnerable to animal contact. The equipment includes:

- Transformer bushings and taps
- bus insulators and station service transformers
- disconnect switches, insulators, and tap wire
- arresters and potential transformers

Some of this equipment has older style animal protection already that will be replaced/upgraded to Greenjacket material. Some of the protection material can be installed while the equipment is energized, while other protection material will require an outage to be installed.

The estimated cost is $400k, which include the cost of the Greenjacket material, labor to install, labor to switch out equipment, and loaders. The ISD is 12/31/16.

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: 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 #:

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Segment CS00200-01

General Information

Segment: 1 - Install Greenjacket Animal Protection
Status: Prelim Design Approved
Segment Type: S/S - BUS REHAB
Town: CANTON
Budget Year: 2016
Work Type: Other
Trimming Required: ☐
In Service Date: 12/31/2016
Description: Install Greenjacket Animal Protection

Itemized Work List

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

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Segment CS00200-01

Estimate

Preliminary Estimate Summary

Revision Number:	0
Contingency:	0.00 %
SubTotal:	$400,000
Contingency Amount:	$0
Estimate:	$400,000
Reimbursement:	$0
Net Amount:	**$400,000**
Description:	Install Greenjacket Animal Protection

Item Description	CU	$ / Per	Qty	Amount
OTHER OTHER	16-ALL14	1.00 / $	400,000	$400,000.00

Associated / Impacted Devices

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

Segment CS00200-01

Reliability Projection

Title:

Outage Start Date: 01/01/2007 Outage End Date: 03/22/2016 Years History: 9.23

[redacted]