

The United Illuminating Company
180 Marsh Hill Road
Orange, CT 06477



A UIL HOLDINGS COMPANY

VIA ELECTRONIC MAIL AND FedEx

December 22, 2015

Robert Stein
Chairman
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

Re: **Petition No. 1120** – The United Illuminating Company Petition for a Declaratory Ruling that no Certificate of Environmental Compatibility and Public Need is Required for the Proposed Modifications to the Hawthorne Substation at 180 Hawthorne Drive, Fairfield, Connecticut – **Construction Progress Report**

Dear Chairman Stein:

Pursuant to the Regs. Conn. State Agencies § 16-50j-77(b)(3), I enclose a construction progress report for the project the Connecticut Siting Council (“Council”) approved in the above captioned Petition.

Beyond the Development and Management Plan (“D&M”) Change Request the Council approved by letter dated October 26, 2015, UI does not anticipate any further changes to the D&M.

Please do not hesitate to contact me with any questions at 203.499.2864.

Very truly yours,

A handwritten signature in black ink, appearing to read 'James R. Morrissey'.

James R. Morrissey
Attorney
UIL Holdings Corporation
As Agent for The United Illuminating Company

cc: Service List (via electronic mail only)

Enclosure

Petition 1120 - Construction Progress Report



HAWTHORNE CAP BANK ADDITION MONTHLY PROGRESS REPORT THRU OCTOBER 2015

BVCI PROJECT:188336
BVCI FILE: 28.5000



Petition 1120 - Construction Progress Report

Executive Summary Hawthorne Cap Bank Addition Project consists of the expansion of an existing 115/13.8kV substation with 2 – 115kV Capacitor Banks, associate electrical bus work, 2- 115kV circuit switchers, 2 – 115kV gas circuit breakers, instrument transformers, protective relaying and associated control and power cabling. Additional scope of work is the replacement of yard lighting, updating lightning protection, perimeter fencing replacement and replacement of the substation surveillance security system. Finalizing the detailed engineering for the above grade, below grade and security designs are the remaining engineering activities. This would include incorporating the current design drawings with manufacturing information and issuing the drawings to UI for a 70% and a 90% design review. Once the reviews are complete the design drawings will be updated and issued for “Approved for Construction”. Awarding and managing procurement contracts.

October – – Construction is continuing which included completion of the site grubbing and clearing, grading and filling. Foundation installation has started and will be completed in mid-November. The required eastern box turtle training continues for onsite personnel. Above grade construction drawings have been issued.

Schedule: BVC and the below grade contractor mobilized in September and site work began. Black & Veatch EPC contract substantial completion is March 7th, 2016. - **Key Issues & Concerns:** The GE capacitor banks are scheduled to be received 1 week late. GE has been notified of the LDs that are on the contract and we have received a response from GE they are trying to expedite delivery. The explanation provided by GE for the late delivery is just manufacturing delays.

Mitigation Actions: B&V has requests a response from GE on their mitigation actions and requested that if possible to ship the two units separately and not wait for both to go through final testing before shipping the units.

Contingency Draw Down: All known changes have been incorporated and estimated contingency allocations have been forecasted. See the contingency usage summary for more details.

Cost Summary Report: The following SCN's are approved and incorporated in the cost summary; SCN 001 - Schedule change - Mobilization, SCN 002 - Incorporate engineering cost due to CSC Hearing,etc. SCN 003 - Incorporate the ancilliary component. SCN 004 - Incorporate the security scope of work. SCN 005 - 71.0200 Below grade rock removal allowance was removed from project.

The contingency fund has been used for the following;

September - Control & Power Cable \$17,541. Cable Trench \$680, Structures & Equipment \$35,617, Control and Relay Panel \$28,464, Substation Security \$57,929, Below Grade Construction \$61,143, Fence \$19,120. SCN003 – Added \$20,247, SCN004 Added \$21,947. October – recovered cost through SCN002 – Control & Power Cable - \$17,541, Substation Security \$57,929 and the Structures & Equipment \$35,617, Control & Relay Panel \$28,464 and Below Grade Construction \$61,143. Used contingency for Structure & Equipment \$26,517 and Below Grade Construction \$46,678, and added contingency \$31,653. The Cost Summary shows Contingency where we are as of today and the contingency drawdown forecasts our "unknowns - unknowns".

BVCI TOTAL ECAC BREAKDOWN		
Item	Amount	Certainty Level
Engineering	\$ 654,793	90%
Construction Mgmt	\$ 482,428	90%
Procurement	\$ 1,642,959	93%
Construction	\$ 2,678,955	80%
Taxes	\$ -	90%
Current Contingency	\$ 182,213	80%
Overhead/Profit	\$ 450,413	90%
BVCI Portion of Shared Savings	\$ -	
Total	\$ 6,091,761	91%

Petition 1120 - Construction Progress Report



CLEARING AND GRUBBING



SUBSTATION EXPANSION PAD #2

Petition 1120 - Construction Progress Report



FOUNDATION FORMS AND CONCRETE POUR



FOUNDATION ANCHOR BOLTS

Petition 1120 - Construction Progress Report

SAFETY STATISTICS

Current Month End	October	
Manhours	5,287	
	Incidents	Frequency Rate
Near Misses	0.00	0.00
First Aid	0.00	0.00
Recordables	0.00	0.00
Days Away from Work	0.00	0.00
OSHA Violations	0.00	0.00

Period	Manhours	Near Misses	First Aid	Recordables	DAFW	OSHA Violations
Sep-15	801	-	-	-	-	-
Oct-15	4,486	-	-	-	-	-
Nov-15	0	-	-	-	-	-
Dec-15	0	-	-	-	-	-
Jan-16	0	-	-	-	-	-
Feb-16	0	-	-	-	-	-
Mar-16	0	-	-	-	-	-
Apr-16	0	-	-	-	-	-
May-16	0	-	-	-	-	-
Jun-15	0	-	-	-	-	-
Jul-16	0	-	-	-	-	-
Aug-16	0	-	-	-	-	-
Sep-16	0	-	-	-	-	-
Oct-16	0	-	-	-	-	-
Nov-16	0	-	-	-	-	-
Dec-16	-	-	-	-	-	-
2015 Year to Date	5,287					
2016 Year to Date	0	-	-	-	-	-
Total to Date	5,287	-	-	-	-	-

Frequency Rate is equal to number of incidents per 200,000 manhours.