



**Connecticut
Light & Power**

The Northeast Utilities System

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October 6, 2014

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

RE: Docket No. 424: Interstate Reliability Project
Monthly Construction Progress Report

Dear Chairman Stein:

Pursuant to RCSA Section 16-50j-62(b)(3) and as described in Volumes 1, Section 7, of the *Development and Management ("D&M") Plan for the Interstate Reliability Project ("Interstate"): Modifications to Card Street Substation, Lake Road Switching Station, and Killingly Substation and the Interstate D&M Plan for the Construction of New 345-kV Transmission Lines and Related Minor Modifications to Adjacent Lines*, The Connecticut Light and Power Company ("CL&P") hereby provides to the Connecticut Siting Council ("Council") this Construction Progress Report for the month of September 2014.

Should you or other Council members have any questions regarding this submission, please do not hesitate to contact me via e-mail at john.morissette@nu.com or telephone at (860) 728-4532.

Sincerely,

John R. Morissette
Project Manager – Transmission Siting

Enclosure

**INTERSTATE RELIABILITY PROJECT
MONTHLY CONSTRUCTION PROGRESS REPORT
SEPTEMBER 2014**

1. MODIFICATIONS TO SUBSTATIONS AND SWITCHING STATIONS

During September 2014, CL&P's station contractor (E.S. Boulos [ESB]) continued to perform work at both Card Street Substation and Lake Road Switching Station. The last lightning mast foundation was installed at Card Street Substation in late September. At both stations, work over the past month focused on activities required in advance of and during the major 330 Line outage, which commenced September 17 and extends to October 11. This work included electrical equipment installation and testing, and involved extensive work in both stations' control houses. All Project work at Killingly Substation is complete, with the exception of a cable installation, which is scheduled for Spring 2015.

Table 1 (attached) summarizes the status of work at each of the three stations as of September 27, 2014.

2. NEW 345-kV TRANSMISSION LINES AND RELATED MINOR MODIFICATIONS TO ADJACENT LINES

In September, transmission line construction activities were performed along the right-of-way (ROW) in the towns of Lebanon, Columbia, Coventry, Mansfield, Chaplin, Hampton, Brooklyn, and Killingly. Activities included vegetation clearing, installation of roads and pads, installation of both drilled shaft and direct embed foundations, and structure installation, as well as restoration of portions of the ROW in the Mansfield Hollow area in the towns of Mansfield and Chaplin. Work also was performed on the Hawthorne Lane ROW Shift, including the installation of new structures for the relocated 330 Line.

During the 330 Line outage, conductors and optical ground wire (OPGW) were installed between the relocated 330 Line structures along the Hawthorne Lane ROW Shift. In addition, interconnections between the new 3271 Line and Lake Road Switching Station were completed. Work commenced on the interconnection of the new 3271 Line into the Card Street Substation.

Contractor staging yards were used in the towns of Windham and Pomfret. In addition, environmental monitoring was conducted of the ROW that was restored in June near Killingly Substation, from Structure 269 to Structure 270.

Table 2 (attached) summarizes the construction progress on the transmission line portion of the Project reported as of September 27, 2014.

3. MINOR DEVELOPMENT & MANAGEMENT (D&M) PLAN CHANGES

During September, three minor D&M Plan Changes were identified. Each of these minor D&M Plan Changes is described below.

- a. **Removal of Active Agricultural Land Note, Mapsheet 42, Town of Brooklyn.** A note indicating an active agricultural land parcel was incorrectly placed on D&M Plan Volume 3, Mapsheet 42, near Structure 215. This parcel (Line List # 30355) is owned by CL&P and is not an active agricultural area. The note has been removed and construction activities are proceeding at this location using standard procedures (i.e., no need for active agricultural land protection measures).
- b. **Minor Shift in Location of Structure 186, Mapsheet 36, Town of Brooklyn.** To minimize potential affects to cultural resources, CL&P proposes to shift Structure 186 approximately 3 feet north and 3 feet northeast (refer to the February 2014 D&M Plan, Volume 3, Mapsheet 36, Line List # 30314). The structure shift will be contained within the approved work pad and will not affect vegetation clearing limits or any other environmental resources.

Table 1
Interstate Reliability Project - Connecticut
Substation / Switching Station Construction Progress Report
(As of September 27, 2014)

Station	Activity			
	Construction Start Date	Site Preparation	Equipment Installation	Testing
Card Street	4/7/2014	100%	75%	60%
Lake Road	4/7/2014	100%	78%	72%
Killingly	4/7/2014	100%	99%*	N/A
Summary: All Stations	4/7/2014	100%	78%	67%

*Note: At Killingly Substation, all major Project construction activities (terminal structure installation) are complete. The only work remaining involves approximately 70 feet of trenching and related work to install a cable to the control house for communications. This work is expected to be performed in Spring 2015.

Table 2
Construction Progress Report: Transmission Line, as of September 27, 2014



**Interstate Reliability Project-Connecticut
Construction Progress Report
Current as of 9/27/2014**

Interstate
Reliability Project

Overhead Transmission											
Town	ROW Clearing (% Complete)	Work Area Preparation	Foundation Installation				Structure Installation			Wire Stringing	Restoration
		AR/Work Pads (% Complete)	Total Drilled Shaft Foundations to be Installed	Drilled Shaft Foundations Installed	Drilled Shaft Foundations (% Complete)	Total Structures to be Installed	Structures Installed	Structures (% Complete)	Stringing (% Complete)	(% Complete)	
Lebanon	100%	100%	3	3	100%	6	6	100%	0%	0%	
Columbia	100%	100%	8	8	100%	19	18	95%	0%	0%	
Coventry	100%	100%	1	1	100%	10	10	100%	0%	0%	
Mansfield	100%	100%	17	14	82%	58	38	66%	19%	11%	
Chaplin	100%	100%	6	6	100%	31	21	68%	56%	6%	
Hampton	100%	100%	0	0	N/A	38	0	0%	0%	0%	
Brooklyn	61%	51%	12	0	0%	62	0	0%	0%	0%	
Pomfret	0%	0%	3	0	0%	16	0	0%	0%	0%	
Killingly	46%	69%	8	4	50%	24	6	25%	21%	8%	
Putnam	6%	6%	18	4	22%	54	2	4%	4%	0%	
Thompson	0%	0%	3	0	0%	19	0	0%	0%	0%	
Total Project	63%	63%	79	40	51%	337	101	30%	11%	6%	

