



VIA FEDEX AND ELECTRONIC MAIL

8/15/2016

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

Re: **The United Illuminating Company's Notice of Exempt Modification Pursuant to R.C.S.A. § 16-50j-58 to Existing Energy Facility Site at 4 Hazel Terrace in the Town of Woodbridge ("Notice of Exempt Modification")**

Dear Chairman Stein:

Pursuant to Regulations of Connecticut State Agencies ("R.C.S.A.") § 16-50j-58, The United Illuminating Company ("UI" or "Company") hereby notifies the Connecticut Siting Council (the "Council") of its intent to make exempt modifications to its substation at June Street Substation ("Facility" or "Energy Facility"). The \$625 filing fees, along with 2 copies of this Notice of Exempt Modification, are enclosed herewith.

Existing Energy Facility

The Facility is located at 4 Hazel Terrace in the Town of Woodbridge at 41°20'18" N and Λ 72°58'53" W and is bounded as follows:

THE FIRST PIECE being lots #167-170 inclusive and lots #200-203 inclusive in block 9 on a map entitled "Warners" prepared by W. J. Wood, Jr. a Civil Engineer and dated November 1910 on file in the Woodbridge Town Clerk's Office, said lots being bounded:

- East by Hazel Terrace, 120 feet;
- South by June Street, 200 feet;
- West by Goodrich Terrace, 120 feet;
- North by lots 204 and 171 in said block on said map, 200 feet;

THE SECOND PIECE being lots 216, 217, 231, 232 and 233 in block 15 on said map, said lots being bounded:

- East by Goodrich Terrace, 60 feet;

South, West and South again by June Street;

West again by the westerly bounds of lots 231, 232 and 233 in said block
on said map 90 feet;

North by lot 234 in said block on said map, 100 feet;

East again by lots 219 and 218 in said block on said map, 60 feet;

North again by lot 218 in said block on said map, 100 feet;

Aerial Photo of the Facility



June Street Substation (4 Hazel Terrace, Woodbridge, CT) Google Earth 2017

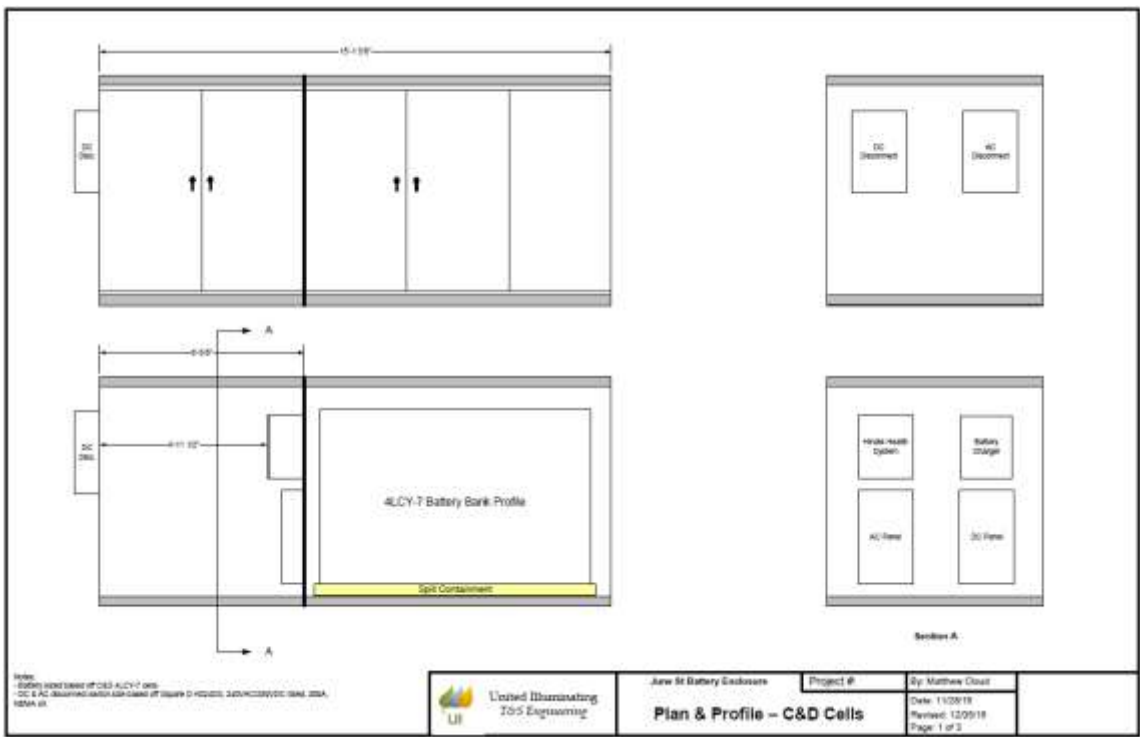
GIS Photo of the Facility



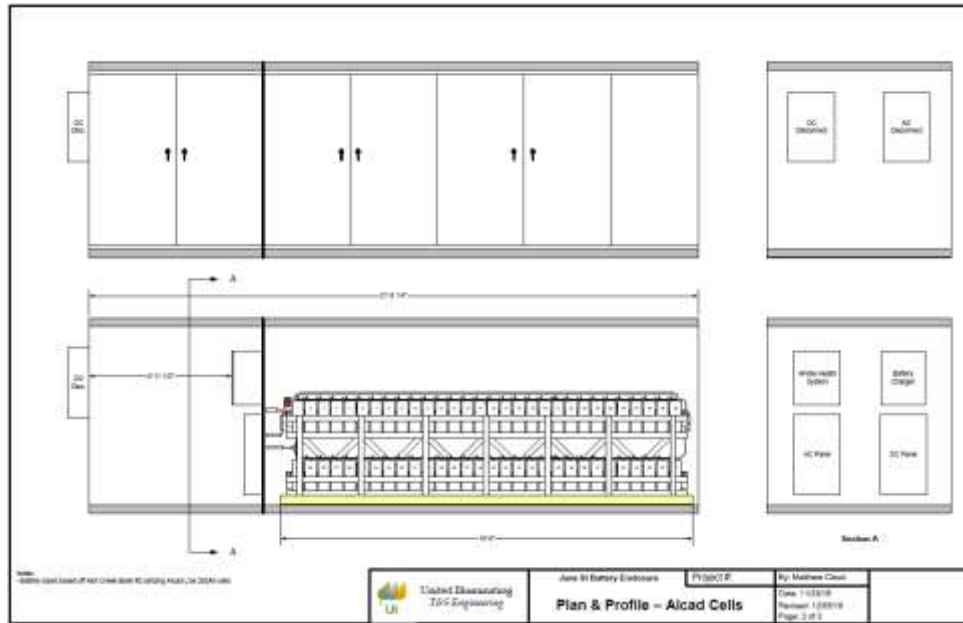
June Street Substation (4 Hazel Terrace, Woodbridge, CT) GIS 2017

Proposed Modifications

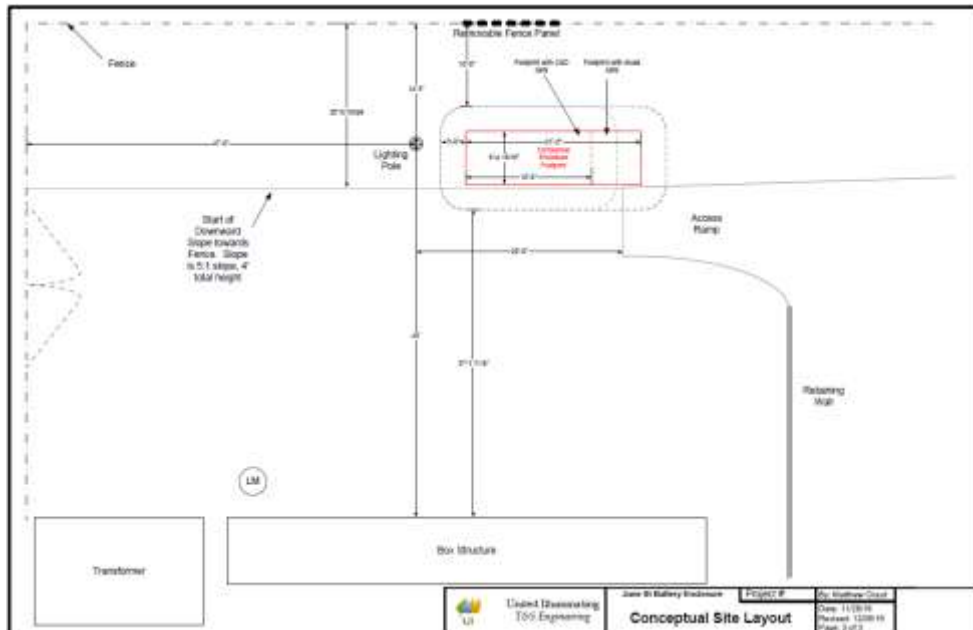
UI is proposing to install a second battery bank at June Street Substation. This need is driven from an initial Single Point of Failure (SPOF) condition. Testing conducted by UI transmission planning shows the potential for system instability following this fault condition due to the loss of the single existing battery bank at June Street Substation. As the proposed modifications relate solely to improving system maintenance, the changes will not impact the existing Facility’s structural capability or impact electric and magnetic fields or noise levels.



Conceptual Sketch of Proposed Second Battery Bank Enclosure.



Conceptual Sketch of Proposed Second Battery Bank Enclosure.



Conceptual Sketch of Proposed Second Battery Bank Enclosure.
Aerial view on Page 2 shows clarity of proposed location.

Compliance with R.C.S.A. § 16-50j-57(b)

Pursuant to R.C.S.A. § 16-50j-57(b), the proposed changes do not constitute a modification to an existing facility that may have a substantial adverse environmental effect and are exempt from the requirement to obtain a certificate pursuant to Section 16-50k of the Connecticut General Statutes. Specifically, consistent with R.C.S.A. § 16-50j-57(b), the proposed changes to the existing site do not:

- (A) Extend the boundaries of the site beyond the existing fenced compound;
- (B) Increase the height of existing associated equipment;
- (C) Increase noise levels at the site boundary by 6 decibels or more, or to levels that exceed state and local criteria;
- (D) Impact electric and magnetic field levels at the site boundary in a manner that is inconsistent with the Council's Best Management practices for Electric and Magnetic Fields;
- (E) Cause a significant adverse change or alteration in the physical or environmental characteristics of the site; or
- (F) Impair the structural integrity of the facility, as determined in a certification provided by a professional engineer licensed in Connecticut, where applicable.

The project would not have a substantial adverse environmental effect or cause a significant adverse change or alteration in the physical or environmental characteristics because:

- (A) The proposed changes would be located within the Substation's existing fence line; the Substation's fenced area would not be expanded.
- (B) The equipment would be no taller than existing equipment within the Substation.
- (C) There would be no change to the existing television or radio interference resulting from the modifications of the Substation.
- (D) Sound-pressure levels at all points along properties lines would continue to meet state regulations set out in R.C.S.A. §§ 22a-69-1 et seq.
- (E) The project work would not affect water resource areas.
- (F) UI's review of the Connecticut Department of Energy and Environmental Protection's ("CT DEEP") Natural Diversity Data Base did not identify any state-listed endangered, threatened, or special concern species in the vicinity of the Project.
- (G) Electric and Magnetic field levels at the Substation boundary would not change as a result of the modifications.

UI intends to initiate the battery bank installation on or after the Council's acknowledgement that the proposed activities are exempt.

Please do not hesitate to contact me at 203-499-2586 should you have any questions regarding this notice.

Very truly yours,

A handwritten signature in blue ink, appearing to read 'Amy Hicks', with a stylized flourish at the end.

Amy Hicks
Analyst
The United Illuminating Company

cc: First Selectman Beth Heller, City of Woodbridge
Nathan Hartford, The United Illuminating Company
James Morrissey, Attorney, UIL Holdings Corporation

Attachment

Attachment

Business Need

Engineering Charter – *June Street Battery Additions*

Date: 5/15/17 **Project Manager:** Nathan Hartford

Description of Engineering Work

The June Street Battery Bank Addition project will include engineering for the addition of a second battery bank within a newly installed enclosure at June Street substation. This shall include all separation of primary and secondary relaying between the future and existing DC sources as well as interconnection of all enclosure alarms and ancillary AC/DC connections to the existing control building. The enclosure shall be a pre-fabricated and assembled unit that is installed on an engineered concrete foundation, and supported by a retaining wall.

Business Need

The June Street battery bank upgrade is driven from an initial single point of failure (SPOF) condition at June Street paired with three separate fault conditions at Mix Avenue, Devon and June Street. The existing protection elements are incapable of clearing faults (*un-cleared fault exposure*) at the identified fault locations resulting in loss of source (LOS) values beyond what our criteria allows (i.e. system instability).