



VIA US AND ELECTRONIC

MAIL 4/2/2020

Melanie A. Bachman, Esq.  
Executive Director/Staff Attorney  
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 the Following Existing Energy Facility: **335 Elm Street, West Haven, CT** ("Notice of Exempt Modification")

Dear Attorney Bachman:

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 the following substation: 335 Elm Street, West Haven, CT ("Facility" or "Elmwest").

As discussed in detail below, after a review of certain UI substations, the Company has determined that replacement of equipment related to structural inadequacies is required at Elmwest Substation.

The \$625 filing fee along with 2 copies of this Notice of Exempt Modification are enclosed herewith.

**335 Elm Street – Elmwest**

Described as:

South by Elm Street, 50 feet;

West by land now or formerly of Ruby Merrill Nissen, 200 feet, more or less;

South again by land now or formerly of Ruby Merrill Nissen, 100 feet, more or less;

West again by land now or formerly of Henrietta Pierce, 100 feet, more or less;

North by land of the New York, New Haven and Hartford Railroad company, 249 feet, more or less;

East by land now or formerly of Catherine L. Clark and William F. Clark, 240 feet, more or less;

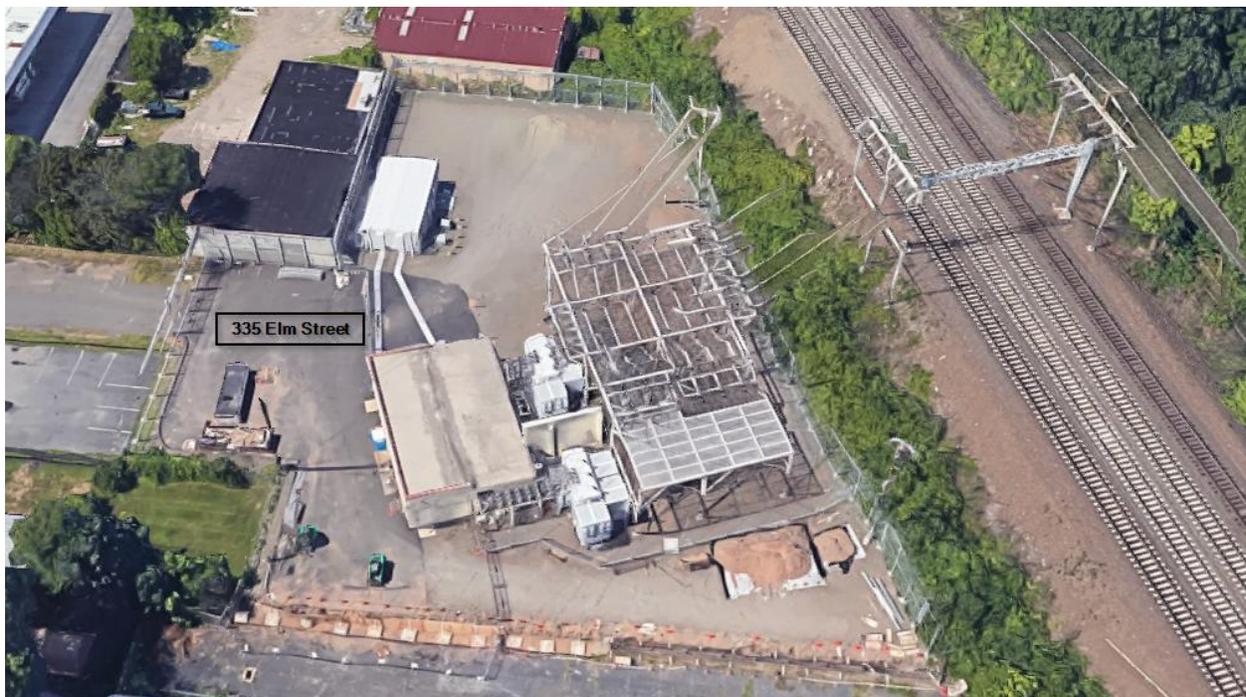
South again by other land of said Grantors, and mortgaged to Connecticut Mutual Life Insurance Company, by deed dated August 14, 1928, and recorded in volume 201 or page 464 of the West Haven Land Records, 50 feet;

East again by other land of said Grantors, and mortgaged to Connecticut Mutual Life Insurance Company, by deed dated August 14, 1928, and recorded in Volume 201 on Page 464 of the West Haven Land Records, 50 feet;

South again by land now or formerly of the Estate of Olivine H. Cashin, 47 feet;

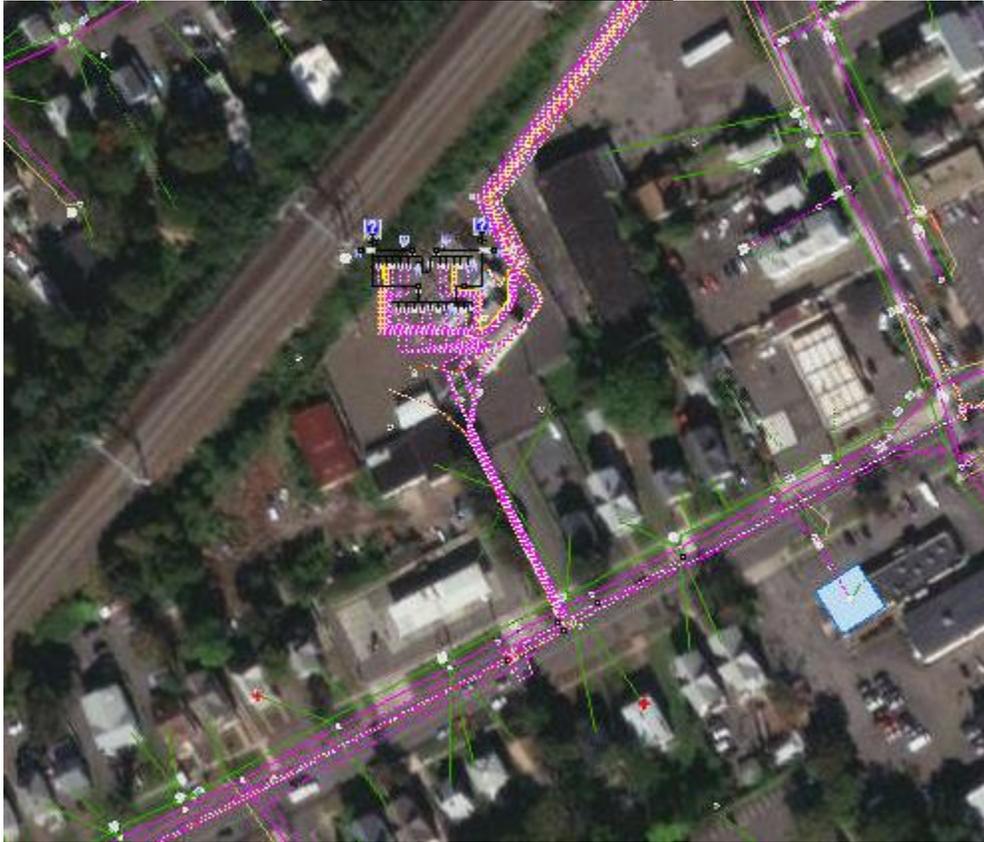
East again by land now or formerly of the Estate of Olivine H. Cashin, 150 feet.

### **Aerial Photos of the Facility**



Elmwest Substation 335 Elm Street, West Haven CT 06516  
Source: Google Maps 2020

### **GIS Photos of the Facility**



Elmwest Substation 335 Elm Street, West Haven CT 06516  
Source: GIS Lite 3/18/2020

### **Elmwest Scope of Work**

Engineering review and analysis performed by Realtime Utility Engineers has determined the following structural inadequacies with the existing bus yard at our Elmwest substation. These inadequacies are based upon the fault current conditions possible at this specific substation, and its effects on the existing equipment and structures. If stresses caused by fault current and environmental factors exceed the strength rating of any structural member or piece of equipment, it is deemed inadequate. The work being completed is considered like for like, and includes the following:

- Replace copper bus with larger stronger aluminum bus
- Replace post insulators with high strength insulators
- Replacement of existing and install of additional diagonal bracing to strengthen the yard steel structure
- Additional steel bracing

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) Electric and Magnetic field levels at the Substation boundary would not change as a result of the modifications.

UI intends to initiate the project, Design Adequacy Group 2, on or after the Council's acknowledgement that the proposed activities are exempt.

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

Very truly yours,



Amy Hicks  
Outreach Specialist  
The United Illuminating Company

cc: The Honorable Nancy R. Rossi, Mayor, City of West Haven  
Abdul Quadir, City Engineer, City of West Haven  
Jonathan Wolff, The United Illuminating Company

Attachments:

Attachment A: Replacement Examples

## ATTACHMENTS

## Attachment A



replace copper bus throughout

replace bus insulators

install diagonal bracing



replace with  
stronger steel  
members