



## VIA US AND ELECTRONIC MAIL

November 5, 2024

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 Existing Energy Facility Site at 4 Riverside Drive, Ansonia, Connecticut ("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 its Ansonia Substation ("Facility" or "Energy Facility"). The \$625 filing fee, along with 2 copies of this Notice of Exempt Modification are enclosed herewith.

### Existing Energy Facility

The Facility is located at 4 Riverside Drive in the City of Ansonia at 41.34770 x -73.08512 and was acquired via deed, volume 446 page 519 on July 31, 2006, and is described as follows:

Commencing at a point in the westerly street line of Riverside Drive at the northeasterly corner of land now or formerly of Riverbend Site LLC, said point being marked by a granite monument set in the ground; thence North 27° - 50' - 34" West along Riverside Drive 25.04 feet; thence in a general northwesterly direction along a curve having a radius of 50 feet curving from north to northwest 9.75 feet; thence North 39° - 00' - 57" West along said Riverside Drive 15.62 feet to other land of Ansonia Copper and Brass Company; thence South 62° - 54' - 16" West along other land of said Ansonia Copper and Brass Company 218.56 feet; thence North 23° - 52' - 21" West along other land of said Copper and Brass Company 214.5 feet; thence South 53° - 56' - 7" West along other land of Ansonia Copper and Brass Company 42.76 feet; thence North 19° - 08' - 02" West along land of said Ansonia Copper and Brass Company 90 feet to land now or formerly of Valley Contractor and Supply Company, LLC; thence South 44° - 15' - 03" West along land now or formally of said Valley Contractor and Supply Company, LLC 178.49 feet to the United Illuminating Company, said point being marked by a concrete monument set in the ground; thence South 23° - 52' - 21" East along land of said United Illuminating company 290 feet to land now or formally of Riverbend Site LLC; thence North 62° - 54' - 16" East along land now or formally of said Riverbend Site LLC 426.32 feet to a point of commencement.



### Background:

The Ansonia substation was built in 1967 and it is connected to two 115 kV lines (1560-3 and 1594). The substation consists of: two 40MVA, 115/13.8 kV transformers (“Transformer A” (TA) and “Transformer B” (TB)); one 115 kV tie circuit breaker; and eight 13.8 kV distribution circuits. Transformers TA and TB feed 13.8kV switchgear busses #3 and #4. The secondary side of the transformers are connected to the 13.8kV switchgear using non-segregated phase 3000A, 15kV class busway.



Fig. 1: Existing Ansonia Substation, 4 Riverside Drive, Ansonia, CT.

### Proposed Modifications

UI will be replacing the Ansonia Substation Transformer B and two 13.8KV Buses.

Since its installation in 2005, Transformer B has encountered recurring operational issues and repairs, leading to its ultimate failure. Similarly, the TA 13.8kV outdoor busway has now failed and temporary connections have been made to keep the 13.8kV distribution switchgear energized until the changes describe herein are implemented. Asset condition inspections have found similar conditions for the TB outdoor busway that can also result in failure. The replacement of the current equipment is proposed as follows:

1. Replacement of the existing failed 40MVA,115KV/13.8KV Power Transformer “TB” with a new 40MVA,115KV/13.8KV Power Transformer. As part of the installation of the new transformer, the proposed work also includes raising the current transformer oil containment walls by 18 inches to provide adequate containment for the replacement transformer to meet Avangrid’s oil containment specifications which is to



achieve oil containment of 110% transformer volume or 100% of the transformer volume plus 24-hour 25-year storm, whichever is greater.

2. Replacement of the two failed existing bus ducts with new cable bus systems that run between power transformers TA, TB, and the switchgear rooms, as well as the replacement of the existing bus tie between Bus 3 & 4 with cable bus type. These replacements include new control AC/DC, P&C Cables between the new transformer cabinet and control house panels.
3. Replacement of the neutral grounding reactor with a new neutral grounding reactor.

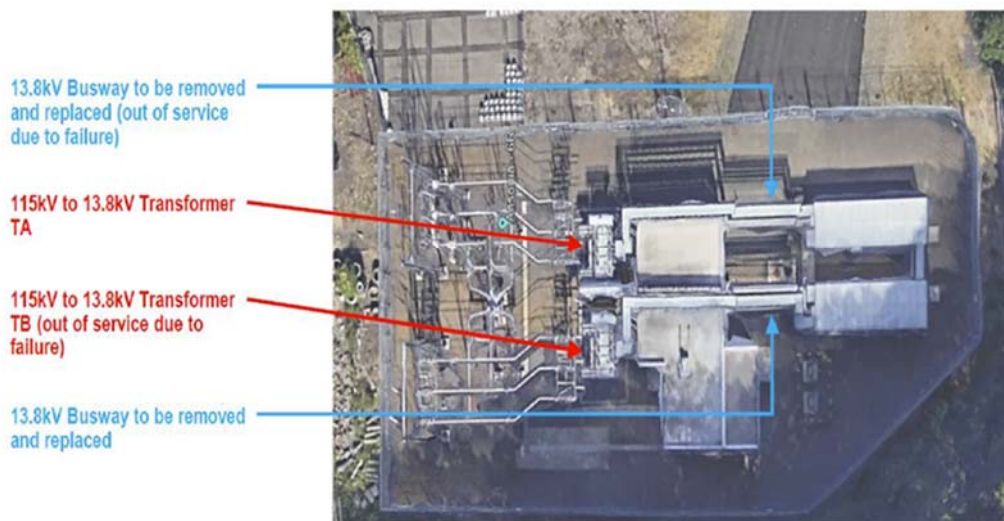


Figure 2: Proposed replacements

#### 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 transformer replacement activities will be located within the substation's existing fence line; the Substation's fenced area would not be expanded.
- (B) The equipment placement will 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 natural resource areas.

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

Please do not hesitate to contact me at (203) 499-5815 should you have any questions regarding this notice.

Very truly yours,

*Praveen Kumar*

Praveen Kumar Madathil  
Project Manager AVANGRID

Enclosures

Cc: David Cassetti, Mayor, City of Ansonia  
Bruce L. McDermott, Murtha Cullina, LLP

