

**Deborah Denfeld**

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August 12, 2024

Melanie Bachman, Executive Director  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

Re: Petition No. 1549 – 1714 Line Rebuild Project  
Petition No. 1567 – 1637/1720 Lines Rebuild Project  
**Noise Emissions at Weston Substation**

Dear Attorney Bachman:

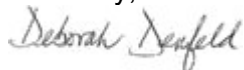
Following Eversource Energy's ("Eversource") June 12, 2024 response to your earlier correspondence, dated June 4, 2024, regarding Mr. Larry Roberts' concerns over noise emissions at the Weston Substation ("Substation") located at 85 Weston Road in Weston, Eversource has conducted noise measurements at the property line and undertaken some further analysis to understand the specific source(s) of noise generated by the Substation.

As a result of the noise measurement readings and analysis, Eversource can confirm that the noise measurements taken at the property line shared with Mr. Roberts exceeded the allowable nighttime limits for a Class C emitter (the Substation) and a Class A receptor (Mr. Roberts property). The primary source of the elevated noise appears to be the 6X transformer, which is located proximate to the northern fence line of the Substation and closest to Mr. Roberts' property. The noise exceedance appears to be related to the position of the transformer's tap changers, which is a function of automatic voltage regulation, and is unrelated to work conducted previously for the subject petitions.

Unfortunately, setting the tap position and disabling the automatic control mode on the 6X transformer is not a desirable option as it would put the transformer at risk of not maintaining acceptable voltage to customers. Notwithstanding this concern, Eversource intends to investigate the feasibility of putting the tap changer in a fixed tap position and implement other operational measures as necessary to maintain acceptable voltage. However, this remedy, if successful, would only be an interim solution. Simultaneous to this potential mitigation, Eversource is embarking on the design and installation of a sound wall around the 6X transformer and will be making the appropriate submittal to the Connecticut Siting Council when the design is complete.

Please contact me if you have any questions or concerns and we appreciate you and Mr. Roberts bringing our attention to this very important matter.

Sincerely,



Deborah Denfeld  
Team Lead | CT Siting Transmission

Cc: Mr. Larry Roberts