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Melanie Bachman, Esq.
Executive Director
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Ten Franklin Square
New Britain, CT 06051

RE: The Connecticut Light and Power Company's Notice of Exempt Modification Pursuant to RCSA § 16-50j-57 to Existing Energy Facility Site at Falls Village Substation, 35 Water Street, Canaan, Connecticut ("Notice of Exempt Modification")

Dear Attorney Bachman:

The Connecticut Light and Power Company dba Eversource Energy ("Eversource") hereby gives notice to the Connecticut Siting Council of its intent to undertake an exempt modification in accordance with Section 16-50j-57 of the Regulations of Connecticut State Agencies for a proposed modification to Eversource's Falls Village Substation described herein.

Proposed Modification

The proposed modification would take place within existing fenced areas at Eversource's Falls Village Substation ("Substation"), located at 35 Water Street, Falls Village (Canaan). The Substation is constructed in multiple parts with each part enclosed with fencing (See Attachment A). Four 69-kilovolt ("kV") transmission lines connect to the Substation (Lines 667, 694, 693 and 689), which also includes one 69-kV to 13.8-kV, 27.5 megavolt amperes ("MVA") transformer that was installed in 1954 (the "5X" transformer).

Eversource proposes to replace the existing 5X transformer, which is 20 feet long, 13.9 feet wide, and 20 feet tall with a new Hico 115/69-kV to 13.8-kV, 40 MVA delta-wye transformer on an enlarged and reinforced foundation in the existing transformer location. The replacement transformer will be 29.5 feet long, 18 feet wide, and 22 feet tall. (Attachment A).

A temporary mobile transformer (47 feet long, 10 feet wide, 13.5 feet tall) and circuit switcher will be located in a separate fenced area immediately to the south of where the transformer

replacement will take place. The temporary mobile transformer will be connected to existing conductors and distribution poles.

The current Exempt Modification filing is required at this time to address on-going occurrences of 5X transformer issues impacting reliability of the system.

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

- The modification would be made within the Substation's existing fenced areas (with the exception of the temporary overhead wire) and would not impair the structural integrity of the facility.
- The new equipment would be shorter than the tallest existing structure within the Substation and would not cause any significant adverse change in the physical or environmental characteristics of the Substation.
- The work would not affect wetlands or waterways. The current transformer location (and location of the temporary transformer placement) are not in a flood zone.
- Eversource's review of the Department of Energy and Environmental Protection's Natural Diversity Data Base ("NDDB") identified no state-listed endangered, threatened, or special concern species in the vicinity of the Substation.
- There would be no increase in television or radio interference resulting from the modification.
- Sound pressure levels at all points along the property line would continue to meet state regulations following the modifications.
- Electric and magnetic field levels at the Substation boundary would not change as a result of the modifications.

Eversource proposes to commence construction in November 2023. Work is scheduled to be completed in July 2024.

Eversource is submitting this filing electronically and will be providing an original and two hard copies for the Council's records. Eversource is including a check for the requisite fee of \$625.00. A copy of the Notice of the Exempt Modification filing has been provided to the Falls Village, Canaan Town Manager. Communications regarding this Notice of Exempt Modification should be directed to Deborah Denfeld at (860) 728-4654.



By: _____

Deborah Denfeld
Team Lead – Transmission Siting

Attachment A - Falls Village Substation – General Arrangement - Plan & Section

Attachment B - Fall Village Substation – Aerial View Plan

CC: Henry W. Todd, First Selectman, Falls Village, Canaan

Attachment A

Falls Village Substation – General Arrangement - Plan & Section

Attachment B

Falls Village Substation – Aerial View Plan

Falls Village Substation, 35 Water Street, Canaan, Connecticut



Northerly Fence Enclosure:

Remove existing 5X Transformer and install new transformer in same location.

Southerly Fence Enclosure:

Stage Temporary Transformer and Circuit Switcher for use during 5X Transformer replacement.

Provide temporary overhead service between the two enclosure areas.