

February 9, 2023

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

RE: Notice of Exempt Modification Pursuant to RCSA § 16-50j-57(b)(2) for Installation of an Energy Component at an Energy Facility at 25 Pendleton Hill Road in North Stonington, Connecticut (“Notice of Exempt Modification”)

Dear Ms. 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(b)(2) of the Regulations of Connecticut State Agencies (“RCSA”) for a modification to Eversource’s Shunock Substation as described herein.

### **Modification – Energy Component Replacement**

The planned modification will take place within the existing fenced area at Eversource’s Shunock Substation (“Substation”), located on its property located at 25 Pendleton Hill Road in North Stonington. The Substation is a facility with 115-kilovolt (“kV”) and 13.8-kV equipment. Two 115-kV transmission lines terminate at the Substation (Line 1870 and Line 1465) and there are three 115-kV to 13.8-kV transformers, a synchronous condenser (under construction pursuant to Petition No. 1459), and five 13.8-kV distribution circuits.

Eversource proposes to add a 13.8 kV switchgear to the substation on a new foundation within the Substation (refer to attached figure illustrating the location of the new switchgear within the substation). The dimensions of the proposed switchgear are as follows: 25 feet long, 15 feet wide and 12 feet tall. The new switchgear is needed for the interconnection of the Silicon Ranch 9.9-megawatt solar installation in North Stonington that was the subject of Petition No. 1443A, which was approved by the Connecticut Siting Council on May 12, 2022. The solar facility would be

connected to the Substation via an overhead distribution feeder, transitioning to underground just outside of the Substation, and then connecting to the switchgear. The new switchgear needs to be in-service prior to December 31, 2023. Construction is expected to begin in April 2023, subject to material availability.

The new switchgear will not have a substantial adverse environmental effect. The new switchgear would not: (1) extend the fenced area of the Substation, (2) increase the height of the existing associated Substation equipment, (3) increase the noise levels to levels that exceed state or local criteria, (4) fail to comply with the Council's Best Management Practices for Electric and Magnetic Fields at the site boundary, or (5) cause a significant adverse change or alteration in the physical or environmental characteristics of the Substation.

A notice of the exempt modification filing has been sent to the First Selectman of North Stonington.

Enclosed are two (2) copies of this Notice of Exempt Modification along with the filing fee of \$625.00.

Communications regarding this Notice of Exempt Modification should be directed to Deborah Denfeld at (860) 728-4654.

Sincerely,



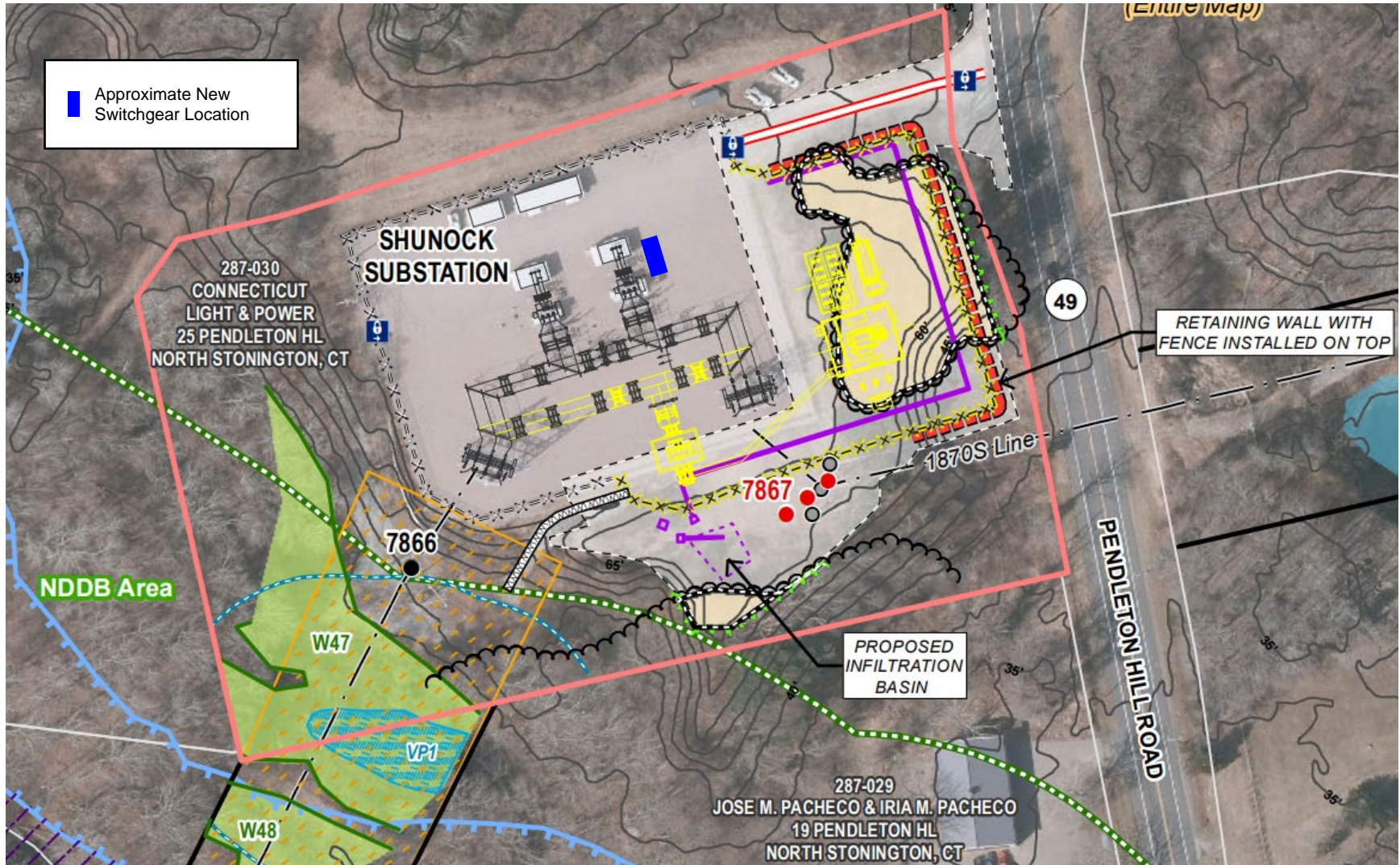
Deborah Denfeld

Team Lead – Transmission Siting

Attachment A – Site Sketch

Cc: Robert Carlson, First Selectman, Town of North Stonington

Attachment 1 - Site Sketch  
Shunock Substation (from Petition No.1459<sup>1</sup>)  
Location of New Switchgear



1 Sketch shows construction activities that are in progress or complete as approved in Petition No. 1459 on October 7, 2021.