

April 13, 2017

Robert Stein, Chairman
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RE: Notice of Exempt Modification Pursuant to RCSA § 16-50j-57(a)(1) to Existing Energy Facility Site located at 301 Whalehead Road in Ledyard (“Notice of Exempt Modification”)

Dear Chairman Stein:

The Connecticut Light and Power Company doing business as Eversource Energy (“Eversource”) hereby gives notice to the Connecticut Siting Council (“Council”) exempt modification in accordance with Section 16-50j-57(a)(1) of the Regulations of Connecticut State Agencies (“RCSA”) for the temporary installation of an energy component to maintain continuity of service to customers who are served from Eversource’s Gales Ferry Substation (“Substation”), as described herein.

Modification – Installation of an Energy Component to Maintain Continuity of Service

In order to maintain continued reliable service and to avoid or minimize the risk and duration of customer outages as a result of a “Single Contingency Loss of Load” on the system during planned maintenance outages on the 69-kV 100 Line, Eversource proposes to install two 2-megawatt temporary emergency generators (“Generators”) and a temporary transformer within the fenced area of the Substation.

Each temporary Generator will be delivered to the Substation and operated from a trailer. The dimensions for each Generator are 40 feet long, 14 feet high and 8 feet wide. A temporary transformer for the Generators, also on its own trailer, will be required; the transformer

dimensions are 20 feet long, 12 feet high and 8 feet wide. The Generator and transformer trailers would be positioned on the west side of the Substation within the fenced area (see below).



The Substation is fed by two 69-kV lines—the 100 Line from Montville Substation and the 400 Line from the Preston Substation. The 100 Line will be out of service from 4/26/17 to 5/5/17 and again from 5/13/17 to 6/6/17. During these planned outages, without operation of the temporary generation, the Substation will be totally reliant on the 400 Line to serve approximately 1932 customers. The Generators are required to cover the potential for a loss of electric service to customers, if there is an interruption on the 400 Line while the 100 Line is out of service.

The Generators would arrive prior to the outage work to be wired and would remain available for the duration of the outage work. The Generators would only be operated in an emergency situation that results in an outage of the 400 Line that could not be restored within 4 hours. Operation of the Generators would cease once the 400 Line was restored to service.

The Generators 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:

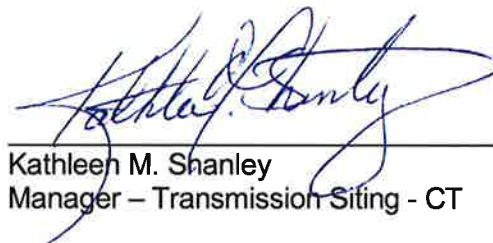
- The Generators would be located within the Substation's existing fenced area.
- The height of the Generators and associated transformer would be shorter than the tallest existing equipment within the Substation and would not cause any significant adverse change in the physical or environmental characteristics of the Substation.
- Operation of the Generators would not affect wetlands or waterways. The Generators would not be located within 100- or 500-year flood zones.
- 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.
- The Generators will not be a permanent installation at the Substation. Operation of the Generators would temporarily increase noise levels (approximately 79 dBA at 25 feet away); however, the potential temporary use of the Generators under an emergency condition to minimize loss of service to electric customers will not result in any permanent or sustained impacts to noise levels from the Substation. In addition, Eversource has directed the supplier of the Generators to install mufflers on the Generators' exhaust to reduce the noise level emitted to some extent.
- Electric and magnetic field levels at the Substation boundary would not change as a result of the operation of the Generators.

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

The required notice has been provided to the Mayor of Ledyard.

Communications regarding this Notice of Exempt Modification should be directed to Kathleen M. Shanley at (860) 728-4527.

By:



Kathleen M. Shanley
Manager – Transmission Siting - CT

cc: Mayor Michael Finkelstein, Town of Ledyard

AFFIDAVIT OF SERVICE OF NOTICE

STATE OF CONNECTICUT)
) ss. Berlin
COUNTY OF HARTFORD)

Sec. 16-50j-57(a)(1)(B) of the Regulations of Connecticut State Agencies ("RCSA") provides that proof of notice to the chief elected official of the affected municipality and, if the owner of the facilities does not own underlying property, to the owner of the property where facilities that will be modified are located, shall be submitted to the Connecticut Siting Council . In accordance with that RCSA section, I hereby certify that I caused notice of The Connecticut Light and Power Company d/b/a Eversource Energy's proposed temporary modifications of the Gales Ferry Substation to be served by mail or courier upon the Town of Ledyard's municipal official listed below.

Municipal Official:

Mayor Michael Finkelstein
Town of Ledyard
741 Colonel Ledyard Highway
Ledyard, CT 06339-1511


Kenneth Roberts
Project Manager

On this the 12th day of April, 2017, before me, the undersigned representative, personally appeared, Kenneth Roberts, known to me (or satisfactorily proven) to be the person whose name is subscribed to the foregoing instrument and acknowledged that he executed the same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.



Notary Public
My Commission expires:

GINA M. LEO
NOTARY PUBLIC
MY COMMISSION EXPIRES FEB. 28, 2021

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