



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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VIA ELECTRONIC MAIL

June 23, 2021

Kathleen M. Shanley
Manager – Transmission Siting
Eversource Energy
P.O. Box 270
Hartford, CT 06141-0270

RE: **PETITION NO. 1454** – The Connecticut Light and Power Company d/b/a Eversource Energy petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed modifications to its existing Mansfield Substation located at 140 North Eagleville Road, Mansfield, Connecticut, and related electric transmission line structure improvements.

Dear Ms. Shanley:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than July 6, 2021. Please submit an original and 15 copies to the Council's office and an electronic copy to siting.council@ct.gov. In accordance with the State Solid Waste Management Plan and in accordance with Section 16-50j-12 of the Regulations of Connecticut State Agencies, the Council requests all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators. Fewer copies of bulk material may be provided as appropriate.

Please be advised that the original and 15 copies are required to be submitted to the Council's office on or before the July 6, 2021 deadline.

Copies of your responses are required to be provided to all parties and intervenors listed in the service list, which can be found on the Council's website under the "Pending Matters" link.

Any request for an extension of time to submit responses to interrogatories shall be submitted to the Council in writing pursuant to §16-50j-22a of the Regulations of Connecticut State Agencies.

Sincerely,

s/Melanie A. Bachman

Melanie Bachman
Executive Director

MB/MP

Petition No. 1454
Eversource
Interrogatories
June 23, 2021

1. Referencing page 1 of The Connecticut Light and Power Company d/b/a Eversource Energy's (Eversource) Petition, please describe how the proposed modifications will address reliability, aging infrastructure, transformer overloads, voltage, and distribution load serving issues in the Mansfield, Storrs, Stafford, Union, Willington, Ashford, and Rockville areas.
2. Referencing page 1 of the Petition, please identify the contingencies and describe how the proposed modifications will mitigate the identified contingencies. A Motion for Protective Order may be submitted with the response, if necessary.
3. When is the transmission line from Card Street Substation feeding the Mansfield Substation planned to be upgraded to 115-kV?
4. How do the modifications improve reliability of the transmission system?
5. What is the total estimated cost of the project? Of this total, what costs would be regionalized, and what costs would be localized? Estimate the percentages of the total cost that would be borne by Eversource ratepayers, Connecticut ratepayers, and the remainder of New England (excluding Connecticut) ratepayers, as applicable.
6. Referencing page 3 of the Petition, Eversource notes that a temporary generator would be deployed to assist with testing and commissioning. Please respond to the following regarding the temporary generator:
 - a) What is the approximate size in kilowatts of the generator?
 - b) What is the fuel source of the generator?
 - c) Would the backup generator be located inside the fenced substation?
 - d) Would the backup generator have containment measures to protect against fluid leakage?
7. Referencing page 4 of the Petition, Footnote 3, Eversource notes that the total height of the retaining wall plus the fence would be approximately 11.5 feet high. Referencing Attachment A of the Petition, Drawing No. 17801-92001 PG 2, Section G-G, the top of the fence appears to be 12.5 feet high. Please clarify the maximum fence plus retaining wall height above grade.
8. Referencing page 5 of the Petition, guard rails would be approximately 4.5 feet high and installed on top of the retaining walls. Referencing Attachment A of the Petition, Drawing No. 17801-92001 PG 2, Section G-G, the guard rails on top of the retaining walls appear to be 4 feet high. Please clarify the maximum guard rail height above the retaining wall.
9. Referencing page 5 of the Petition, Footnote 5, provide the status of the consultations regarding a replanting plan for the abutting laydown area.

10. Referencing page 6 of the Petition, would any trees six inches or greater in diameter be required to be removed at the laydown area located at 25 LeDoyt Road, Mansfield? If yes, how many? Would this laydown area be restored post-construction?
11. Referencing page 7 of the Petition, Eversource notes that, “All new equipment would be shorter than the tallest existing structure on Eversource’s property.” Identify the type and height of the tallest existing structure on Eversource’s property.
12. Referencing page 8 of the Petition, Eversource notes that, “The substation will use the existing lighting and install additional lighting for safety and security purposes.” What type(s) of lighting would be installed, and where on the substation footprint would the lighting be installed?
13. Referencing page 8 of the Petition, Eversource notes that, “The 100-year flood zone aligns with the road frontage and cuts across the southeast corner of the property slated to be used as a temporary staging/laydown area.” Would the proposed substation modifications/expansion remain outside of the 100-year and 500-year flood zones? Explain.
14. Referencing page 8 of the Petition, which erosion and sedimentation control measures would be utilized at the substation site during construction?
15. Would any restoration of the temporarily impacted wetland areas be necessary? If yes, indicate what restoration measures would be utilized.