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January 16, 2026

Melanie A. Bachman, Esq.
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: **PETITION NO. 1690** - 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 Haddam Substation to East Haddam Junction Rebuild Project consisting of the replacement and reconductoring of electric transmission line structures along approximately 1.5 miles of its existing 115-kilovolt (kV) 1772 Line and 345-kV 348 Line shared right-of-way and associated Connecticut River crossing between Haddam Substation in Haddam and East Haddam Junction in East Haddam, Connecticut, and related electric transmission line and substation improvements.

Response to Council Interrogatory No. 41 to Petitioner

Dear Attorney Bachman:

On December 19, 2025, the Connecticut Siting Council ("Council", "CSC") issued 49 interrogatories regarding the above-referenced Project. On January 7, 2026, The Connecticut Light and Power Company d/b/a Eversource Energy ("Eversource") requested, and the Council granted, a one-week extension for the submission of Eversource's response to CSC-001-41. Eversource hereby respectfully submits the reply to interrogatory CSC-001-41.

This letter submittal provides an original and 15 copies of the responses to the Council. A copy of this response has been provided to the Intervenor on the Petition's Service List.

Please contact me if you have any questions regarding this submittal.

Sincerely,



Deborah Denfeld
Team Lead – Transmission Siting
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cc: K. Ainsworth, Esq., representing the Connecticut River Gateway Commission

Attachment: Response to CSC Set One Interrogatory 001-41 – Petition 1690

Date Filed: January 15, 2026

Request from: Connecticut Siting Council

Question: 41

Question: Referencing the December 3, 2025 CRGC comments under Visual Impacts, please provide comparable photo simulations from the locations identified in CRGC Exhibits A-D – Representative uncropped photographs of existing conditions - that are representative of the proposed Project, Alternative 1 and Alternative 2.

Response:

In the attachment to this response, please find photographs of existing conditions from the locations identified in CRGC Exhibits A-D, as well as photo-simulations from each of the same locations depicting:

- The proposed Project (also referred to in the Petition, Attachment D, as Alternative OH-2, consisting of single-circuit monopoles with 2048 kcmil Evans AECC conductor);
- Alternative 1 (also referred to in the Petition, Attachment D, as Alternative OH-1, consisting of single-circuit monopoles with 1590 kcmil “Falcon” ACSS conductor); and
- Alternative 2 (also referred to in the Petition, Attachment D, as Alternative OH-3, consisting of double-circuit monopoles with 1590 kcmil “Falcon” ACSS conductor).

Please note the following:

Neither the photographs of existing conditions nor the photo-simulations of the proposed Project or alternative overhead line designs that Eversource has provided, either in the attachment to this response or in the Petition, Attachment D, Appendix 1, are cropped. All Eversource’s photographs were framed in the field at the time they were taken and reflect the full image captured by the camera, without post-processing modification.

CRGC Exhibits A-D Photographs

The photographs of existing conditions provided in CRGC Exhibits A–C are derived from Google Maps imagery. These images could not be used to prepare photo simulations because the necessary

corresponding camera information—including focal length, camera position, orientation, and elevation—was not provided, and the imagery is generated using panoramic and stitched projection methods that do not represent a single, fixed photographic viewpoint.

CRGC Exhibit D is an aerial photograph. While photo simulations can, in general, be generated from aerial imagery, it is not possible to prepare an accurate simulation from Exhibit D because the image lacks the specific camera location, altitude, orientation, and lens parameters required to establish the viewing geometry necessary for a reliable simulation.

For ease of reference, the CRGC Exhibit A-D photographs are reproduced in the attachment to this response.

Eversource's Photographs and Photo-Simulations

Eversource's attached photographs of existing conditions, which reproduce the CRGC Exhibit A-D photograph locations to the greatest extent possible, were taken on January 5, 2026 and used in the creation of the attached photo-simulations.

- **CRGC's Exhibit A&B** are photographs taken from a similar location along Haddam View Heights, looking directly west along the transmission line right-of-way (ROW) toward Haddam Substation and existing Structure 9815. Because these two CRGC Exhibit A&B views are almost identical, Eversource took one photograph that best represents views of both Exhibits from Haddam View Heights. This photograph was used to create photo-simulations representing the proposed Project and Alternatives 1 and 2. **Note:** Eversource proposes to replace existing double-circuit lattice Structure 9815 with two single-circuit monopoles (1772 Line Structure 3486 and 348 Line Structure 9815); refer to the Petition, Attachment A, Map Sheet 1. As illustrated in the photo-simulations, the locations and heights of these two replacement structures will be the same regardless of the overhead alternative for the Connecticut River crossing.
- **CRGC Exhibit C** is a Google Maps Street View image depicting existing double-circuit lattice Structure 9813, which is presently located along the ROW east of Main Street (State Route 149) in East Haddam. For the Project, this structure will be removed, and the proposed replacement single-circuit monopole structures will be located farther to the east along the ROW, as reflected in Eversource's attached photo-simulation prepared in response to Exhibit C. Existing Structure 9813 is also shown in the Petition, Attachment D, Appendix 1, Photo 7.

Since CRGC's Exhibit C is derived from panoramic Google Maps imagery, multiple features, including the existing structure and nearby residences, appear within a single image even though they would not be visible together from a single, fixed photographic viewpoint. The apparent field of view and spatial relationships therefore do not correspond to a physically attainable camera position.

When attempting to replicate this view in the field using a conventional single-lens camera, it is not possible to capture the same combination of features from the same apparent location without introducing distortion or altering scale. Accordingly, Eversource selected the nearest practicable viewpoint, approximately 700 feet from the intersection of the ROW centerline over Main Street, using a known camera position and focal length. The resulting photo-simulations are based on a fixed, documented viewpoint and provide a geometrically consistent representation of anticipated visibility under the proposed Project design and the alternative overhead line configurations.

- **CRGC Exhibit D** is an aerial photograph taken above the Connecticut River, looking southeast, with a view of the transmission lines across the eastern portion of the river and of existing double-circuit lattice Structures 9813 and 9812 in East Haddam. Eversource reproduced this view using a drone overflight. As noted above, the Project will remove existing Structure 9813; the two single-circuit monopole replacement structures (Structures 9813 and 3488), which will be located farther to the east along the ROW, are visible in the photo-simulations for the proposed Project and the two alternative overhead line designs for CRGC Exhibit D. For the Project, existing double-circuit lattice Structure 9812 will be removed and not replaced. The removal of this structure is reflected in the photo-simulations for CRGC Exhibit D.



PHOTOGRAPHIC DOCUMENTATION & SIMULATIONS



**CT SITING COUNCIL PETITION NO. 1690
RESPONSE TO INTERROGATORY 41
HADDAM SUBSTATION TO EAST HADDAM JUNCTION:
1772 AND 348 LINES REBUILD PROJECT
EAST HADDAM & HADDAM, CT**

PREPARED FOR:

EVERSOURCE
ENERGY

PREPARED BY:

**All-Points Technology Corporation, P.C.
567 Vauxhall Street Extension – Suite 311
Waterford, CT 06385**



CRGC EXHIBITS A & B - 48 Haddam View Heights in Haddam



Photo Taken 1/5/2026

REPRESENTS EXHIBITS A & B: VIEW TO WEST ALONG ROW FROM HADDAM VIEW HEIGHTS CUL-DE-SAC TOWARD HADDAM SUBSTATION

EXISTING



PHOTOGRAPHED ON 1/5/2026

PHOTO

LOCATION

ORIENTATION

1

HADDAM VIEW HEIGHTS

WEST

REPRESENTS EXHIBITS A & B: VIEW TO WEST ALONG ROW FROM HADDAM VIEW HEIGHTS CUL-DE-SAC TOWARD HADDAM SUBSTATION

PROPOSED



PROPOSED DESIGN
(Single-Circuit Monopoles with TS Evans Conductor)

PHOTO

LOCATION

ORIENTATION

1-A

HADDAM VIEW HEIGHTS

WEST

REPRESENTS EXHIBITS A & B: VIEW TO WEST ALONG ROW FROM HADDAM VIEW HEIGHTS CUL-DE-SAC TOWARD HADDAM SUBSTATION

Note: Replacement structures depicted (Structure 3486 on the 1772 Line and 9815 on the 348 Line) will be single-circuit monopoles of the same height for any of the three overhead line alternatives for the Connecticut River crossing. As a result, the photo-simulations presented in Photos 1-A, 1-B, and 1-C are the same.



ALTERNATIVE 1

(Single-circuit monopoles with 1590 ACSS Falcon Conductor Conductor)

PHOTO

1-B

LOCATION

HADDAM VIEW HEIGHTS

ORIENTATION

WEST



ALTERNATIVE 2

(Double-circuit monopoles with 1590 ACSS Falcon Conductor)

PHOTO

1-C

LOCATION

HADDAM VIEW HEIGHTS

ORIENTATION

WEST



CRGC Exhibit C "Google Street View" photo (above) taken from this area

Photo Taken 1/5/2026
VIEW TO SOUTH ALONG EAST MAIN STREET DEPICTING EXISTING STRUCTURE 9813



PHOTO

2

LOCATION

MAIN STREET

ORIENTATION

SOUTH

VIEW TO SOUTH ALONG EAST MAIN STREET DEPICTING EXISTING STRUCTURE 9813

PROPOSED



PROPOSED DESIGN

(Single-Circuit Monopoles with TS Evans Conductor)

PHOTO

2-A

LOCATION

MAIN STREET

ORIENTATION

SOUTH

VIEW TO SOUTH ALONG MAIN STREET DEPICTING PROPOSED REPLACEMENT STRUCTURES 3488 (1772 LINE) AND 9813 (348 LINE)



ALTERNATIVE 1

(Single-circuit monopoles with 1590 ACSS Falcon Conductor)

PHOTO

LOCATION

ORIENTATION

2-B

MAIN STREET

SOUTH

VIEW TO SOUTH ALONG MAIN STREET DEPICTING PROPOSED TALLER ALTERNATIVE 1 REPLACEMENT STRUCTURES 3488 (1772 LINE) AND 9813 (348 LINE)



ALTERNATIVE 2
(Double-circuit monopoles with 1590 ACSS Falcon Conductor)

PHOTO	LOCATION	ORIENTATION
2-C	MAIN STREET	SOUTH

VIEW TO SOUTH ALONG MAIN STREET DEPICTING TALLER ALTERNATIVE 2 DOUBLE-CIRCUIT MONOPOLE STRUCTURE 9813



CRGC EXHIBIT D - East Haddam CT River



Photo Taken 1/5/2026

VIEW TO SOUTHEAST ABOVE CONNECTICUT RIVER SHOWING MAIN STREET HADDAM AND EXISTING STRUCTURES 9813 AND 9812

EXISTING



PHOTOGRAPHED ON 1/5/2026

PHOTO

3

LOCATION

DRONE PHOTO OVER CONNECTICUT RIVER

ORIENTATION

SOUTHEAST

VIEW TO SOUTHEAST ABOVE CONNECTICUT RIVER SHOWING MAIN STREET HADDAM AND EXISTING STRUCTURES 9813 AND 9812

PROPOSED



PROPOSED DESIGN
(Single-Circuit Monopoles with TS Evans Conductor)

PHOTO

3-A

LOCATION

DRONE PHOTO OVER CONNECTICUT RIVER

ORIENTATION

SOUTHEAST

**VIEW OF PROPOSED SINGLE-CIRCUIT MONOPOLE STRUCTURES 3488 (1772 LINE) AND 9813 (348 LINE).
NOTE THAT EXISTING LATTICE STRUCTURE 9812 WILL BE REMOVED BUT NOT REPLACED.**



ALTERNATIVE 1
(Single-circuit monopoles with 1590 ACSS Falcon Conductor)

PHOTO	LOCATION	ORIENTATION
3-B	DRONE PHOTO OVER CONNECTICUT RIVER	SOUTHEAST

**VIEW OF PROPOSED TALLER ALTERNATIVE 1 SINGLE-CIRCUIT MONOPOLE STRUCTURES 3488 (1772 LINE) AND 9813 (348 LINE).
 NOTE THAT EXISTING LATTICE STRUCTURE 9812 WILL BE REMOVED BUT NOT REPLACED.**



ALTERNATIVE 2

(Double-circuit monopoles with 1590 ACSS Falcon Conductor)

PHOTO

LOCATION

ORIENTATION

3-C

DRONE PHOTO OVER CONNECTICUT RIVER

SOUTHEAST

**VIEW OF PROPOSED TALLER ALTERNATIVE 2 SINGLE-CIRCUIT MONOPOLE STRUCTURES 3488 (1772 LINE) AND 9813 (348 LINE).
NOTE THAT EXISTING LATTICE STRUCTURE 9812 WILL BE REMOVED BUT NOT REPLACED.**