



107 Selden Street  
Berlin, CT 06037

June 27, 2018

Ms. Melanie Bachman  
Acting Executive Director  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

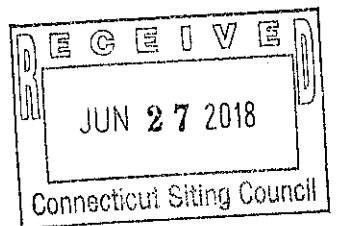
ORIGINAL

Re: Petition No. Petition 1344 - Greenhill to Bokum Upgrade Project - 1342 Line

Dear Ms. Bachman:

This letter provides the response to requests for the information listed below.

Response to CSC-01 Interrogatories dated 06/18/2018  
CSC-001, 003, 004, 005, 006, 008



Very truly yours,

*Kathleen Shanley / a.m.*

Kathleen Shanley  
Manager  
Transmission, Siting  
As Agent for CL&P  
dba EversourceEnergy

cc: Service List

**CL&P dba Eversource Energy**  
**Petition No. Petition 1344**

**Data Request CSC-01**  
**Dated: 06/18/2018**  
**Q-CSC-001**  
**Page 1 of 1**

**Witness:** **NO WITNESS**  
**Request from:** **Connecticut Siting Council**

**Question:**

Can the new replacement structures be able to support increased structural loading if conductors are increased in size in the future? (e.g., reconductoring from 795 kcmil to 1,272 kcmil)

**Response:**

Yes, the new replacement structures are designed to accommodate 1,272 kcmil conductor.

**CL&P dba Eversource Energy**  
**Petition No. Petition 1344**

**Data Request CSC-01**  
**Dated: 06/18/2018**  
**Q-CSC-003**  
**Page 1 of 1**

**Witness: NO WITNESS**  
**Request from: Connecticut Siting Council**

**Question:**

If the proposed structures, in general, will either be the same height or taller than the existing structures, what accounts for the increases in electric and magnetic fields as listed in Table E-1 on Page 21?

**Response:**

The slight changes to the electric and magnetic fields are associated with slight changes in the configuration of the phases on the structure. This is most notably due to the longer arm for the top phase on the proposed structures compared to the arm for the top phase on the existing structures. The longer arm is required to maintain clearances to the proposed steel pole as opposed to the existing wood pole. This difference is illustrated in the cross section drawing in Attachment B to the Petition.

**CL&P dba Eversource Energy**  
**Petition No. Petition 1344**

**Data Request CSC-01**  
**Dated: 06/18/2018**  
**Q-CSC-004**  
**Page 1 of 1**

**Witness:** **NO WITNESS**  
**Request from:** **Connecticut Siting Council**

**Question:**

What is the status of DOT's review of the relocation of structure 4896 from the west side to the east side of Route 153? Will DOT allow access to existing structure 4896 from Route 153? If so, are traffic restrictions necessary?

**Response:**

Eversource has notified the DOT about the proposed relocation of this structure; however, Eversource has not filed the request for an encroachment permit for the structure relocation. DOT has allowed access from a state roadway in similar situations. Eversource will work with DOT on any work hour restrictions or impacts to traffic.

**CL&P dba Eversource Energy**  
**Petition No. Petition 1344**

**Data Request CSC-01**  
**Dated: 06/18/2018**  
**Q-CSC-005**  
**Page 1 of 1**

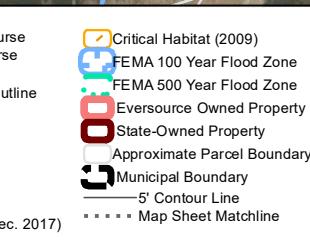
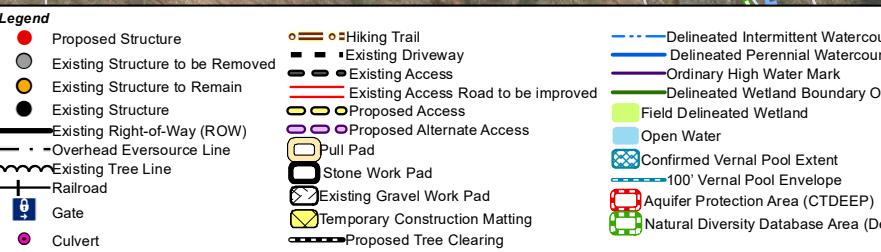
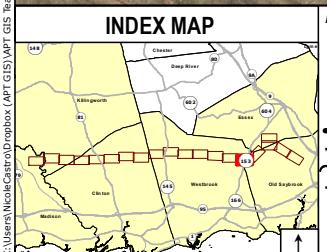
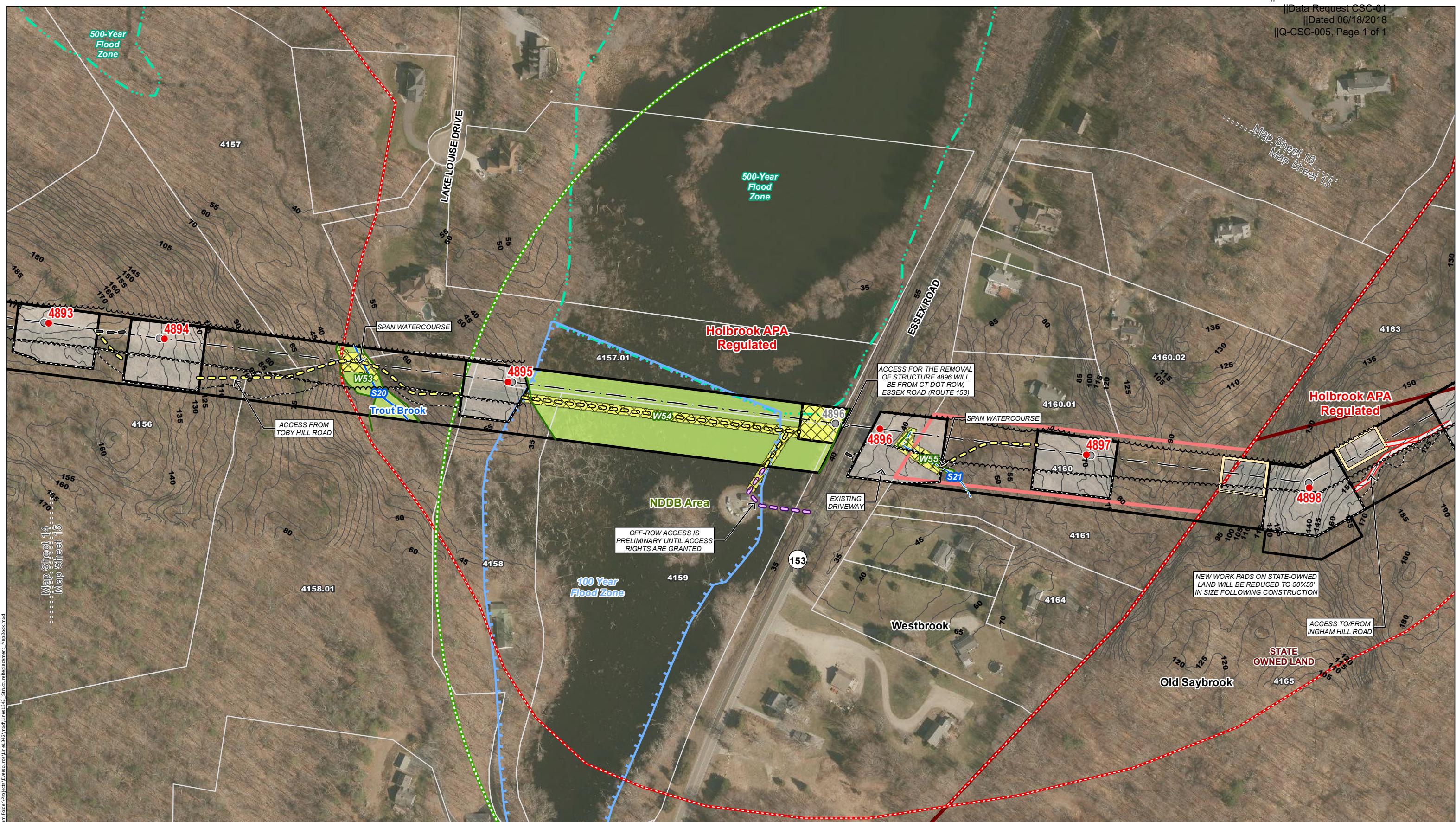
**Witness:** **NO WITNESS**  
**Request from:** **Connecticut Siting Council**

**Question:**

Referring to Map 15, the text box above Structure 4896 mentions access to Structure 4898-  
is 4898 a misprint?

**Response:**

Yes, it is a misprint. The text in the box above Structure 4896 should state STRUCTURE  
4896. The revised Map Sheet 15 is attached.



Map Notes:  
 Not for Construction. Parcel and ROW boundaries are approximate (not survey).  
 Parcel data provided by Comerstone Energy, LLC (02/2018).  
 Repairs to existing roads within wetlands with permanent fills are exempt discharges under 233.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design.  
 Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.

**EVERSOURCE**  
ENERGY

## Transmission Lin

## Green Hill to Bokum

ook/Old Saybrook, CT

Sheet 15 of 10

Sheet 15 of 19

June, 2018

**CL&P dba Eversource Energy**  
**Petition No. Petition 1344**

**Data Request CSC-01**  
**Dated: 06/18/2018**  
**Q-CSC-006**  
**Page 1 of 1**

**Witness:** **NO WITNESS**  
**Request from:** **Connecticut Siting Council**

**Question:**

Have areas been identified for counterpoise installation or is this an in-field determination?

**Response:**

This is an "in-the-field" determination after the structures are erected.

**CL&P dba Eversource Energy**  
**Petition No. Petition 1344**

**Data Request CSC-01**  
**Dated: 06/18/2018**  
**Q-CSC-008**  
**Page 1 of 1**

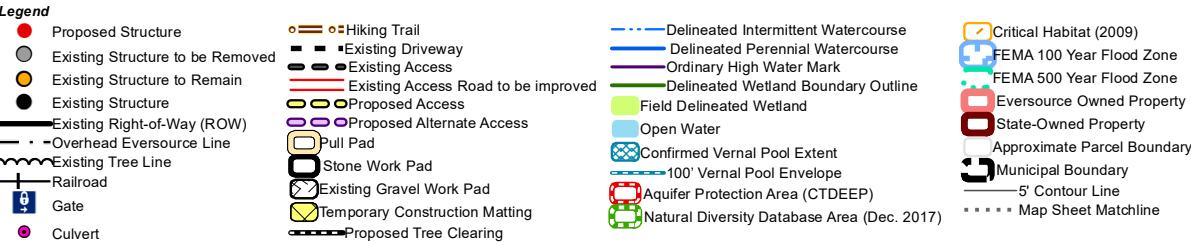
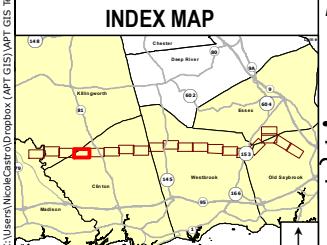
**Witness:** **NO WITNESS**  
**Request from:** **Connecticut Siting Council**

**Question:**

Is it possible to access Structure 4828 from the east, and within the existing right-of-way, to avoid disturbance to VP4?

**Response:**

Yes, Eversource can use temporary construction matting within the existing right-of-way from Structure 4829 to Structure 4928; thereby, eliminating the need for matting over an existing access road through VP4. This new access is depicted on revised Map Sheet 4, attached.



Map Notes:  
Not for Construction. Parcel and ROW boundaries are approximate (not survey).  
Parcel data provided by Cornerstone Energy, LLC (02/2018).  
Repairs to existing access roads within wetlands with permanent fills are exempt discharges under 323.4(a)(2) provided that the limit of fill does not exceed the footprint of the existing fill through wetlands areas. Maintenance repairs do not include modifications that change the character, scope, and size of the original fill design.  
Temporary impacts associated with construction mats in previously disturbed wetland and upland areas either within vernal pool (VP) depressions or management area (100' of VP's edge) are eligible under the Army Corps of Engineers CT General Permit as a Self-Verification eligible activity.

**EVERSOURCE**  
ENERGY

---

## Transmission Line Maintenance een Hill to Bokum Upgrade Project