

May 5, 2016

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

Re: Middletown 1572 Line / 1620 Line Double-Circuit Tower Split

Dear Chairman Stein:

Attached are an original and fifteen (15) copies of a Petition on behalf of The Connecticut Light and Power Company doing business as Eversource Energy (“Eversource” or the “Company”) requesting a Declaratory Ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed modifications to structure 6-101, which currently supports the 115-kV 1572 Line and 1620 Line at the Middletown Power LLC facility, in the City of Middletown.

Prior to submitting this Petition, representatives from Eversource briefed municipal officials. The owner of the property on which the structure is located, Middletown Power LLC, a subsidiary of NRG Energy, Inc. has been informed of the Petition. There are no additional abutters to the generating facility.

A check in the amount of \$625 for the required filing fee is also attached.

Sincerely,



Kathleen M. Shanley  
Manager – Transmission Siting

Attachment: Petition

cc: Daniel T Drew, Mayor, Middletown

**THE CONNECTICUT LIGHT AND POWER COMPANY doing business as**  
**EVERSOURCE ENERGY**

PETITION TO THE CONNECTICUT SITING COUNCIL  
FOR A DECLARATORY RULING OF  
NO SUBSTANTIAL ADVERSE ENVIRONMENTAL EFFECT  
FOR THE PROPOSED MODIFICATIONS TO  
STRUCTURE 6-101 AT THE MIDDLETOWN GENERATING FACILITY IN THE CITY OF  
MIDDLETOWN, CONNECTICUT

1. Pursuant to Section 16-50g et seq. of the Connecticut General Statutes, The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource" or the "Company") hereby petitions the Connecticut Siting Council ("Council") for a Declaratory Ruling that a Certificate of Environmental Compatibility and Public Need ("Certificate") is not required for proposed modifications to structure 6-101, which currently supports the 115-kV 1572 Line and 1620 Line at Middletown Power LLC, a subsidiary of NRG Energy, Inc. ("NRG") in the City of Middletown (the "Project") that are described herein. Eversource submits that no such Certificate is required because the proposed modifications would not have a substantial adverse environmental effect.

**2. Purpose of the Project**

The purpose of the proposed Project is to eliminate potential transmission system thermal criteria violations based on the results of the May 2014 Greater Hartford and Central Connecticut Area ("GHCC") Needs Assessment performed by Independent System Operator of New England ("ISO-NE") and in accordance with the February 2015 GHCC Solutions Study performed by ISO-NE ("Study"). The violations will be eliminated by separating the 1572 Line from the 1620 Line at the NRG generation site where they currently share a common support structure in a double-circuit tower configuration.

**3. Project Description**

This Project would take place within the existing fenced area at the NRG generating facility located at 1866 River Road in the City of Middletown, over which Eversource has easement rights to perform the work described below. Eversource proposes the following modifications:

- Removal of a double-circuit lattice tower (Structure 6-101). The existing Structure 6-101 supports both the 1572 Line, which extends from Middletown Substation to Pratt and Whitney Middletown Substation and the 1620 Line, which extends from Middletown Substation to Haddam Substation.

- Installation of two new galvanized steel single-circuit monopoles on caisson foundations. The height of the existing Structure 6-101 is approximately 85 feet above ground level. The new proposed monopoles would be approximately 6 feet taller than that existing structure.
- Installation of a wood pole to support a fiber optic cable. The height of the pole would be approximately 48 feet. This pole is required to achieve code clearance of the fiber optic cable above the railroad tracks.

The proposed modifications are shown on Attachment A: Drawing No. 01190-85001-1572/1620 Lines DCT Split Proposed ROW Cross Section – CSC and Attachment B: Middletown 1572/1620 DCT Split Environmental Resource Map.

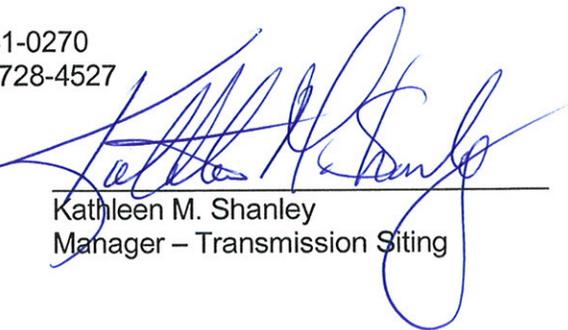
The proposed modifications would not have a substantial adverse environmental effect or cause a significant adverse change or alteration in the physical or environmental characteristics of the NRG facility because:

- All modifications would be made within the NRG generating facility's existing fenced area.
- The proposed modifications would not cause any significant adverse change in the physical characteristics of the site. The proposed monopole structures will be 6 feet taller than the existing Structure 6-101 that they would replace; the proposed monopoles would be generally similar in appearance and character to the existing lattice tower structure, as well as the existing electric transmission and power generating infrastructure at this site.
- In addition, the proposed modifications would not cause any significant adverse change in the environmental characteristics of the site. The work would not affect any wetlands or waterways. The proposed modifications are not located within a Federal Emergency Management Agency floodway, floodplain or 100-year flood zone; however, the NRG generating facility is within the 500-year flood zone. The modifications would be conducted in accordance with the applicable best management practices outlined in Eversource's December 2011 Best Management Practices Manual: Connecticut.
- Eversource reviewed the Connecticut Department of Energy and Environmental Protection's ("CTDEEP") Natural Diversity Data Base for state-listed endangered, threatened, or special concern species in the vicinity of the proposed work activities. There is no section of the Project work area that provides suitable habitat for any state listed species.
- There will be no change to television or radio interference as a result of this work.
- Sound-pressure levels at all points along the property line would not change as a result of the proposed modifications.
- Electric and magnetic field levels at the generating facility site boundary would not be affected by the proposed modifications. The modifications to the transmission lines will be made on NRG property, and there will be no changes to the electric or magnetic fields exposures to the public at locations along and outside the property line of the generating facility site.

4. Eversource proposes to begin construction during fall 2016 and expects that the construction would be completed before the end of the year 2016.
5. Section 16-50k(a) of the Connecticut General Statutes provides that a Certificate of Environmental Compatibility and Public Need is needed for proposed modifications of a facility that the Council determines would have a "substantial adverse environmental effect." Eversource respectfully submits that the proposed modifications described above would not result in a substantial adverse effect on the environment or ecology, nor would they damage existing scenic, historical or recreational values. Accordingly, Eversource requests that the Council issue a Declaratory Ruling that no Certificate is required.
6. Communications regarding this Petition for a Declaratory Ruling should be directed to:

Kathleen M. Shanley  
Manager – Transmission Siting  
Eversource Energy  
PO Box 270  
Hartford, CT 06141-0270  
Telephone: (860) 728-4527

By:



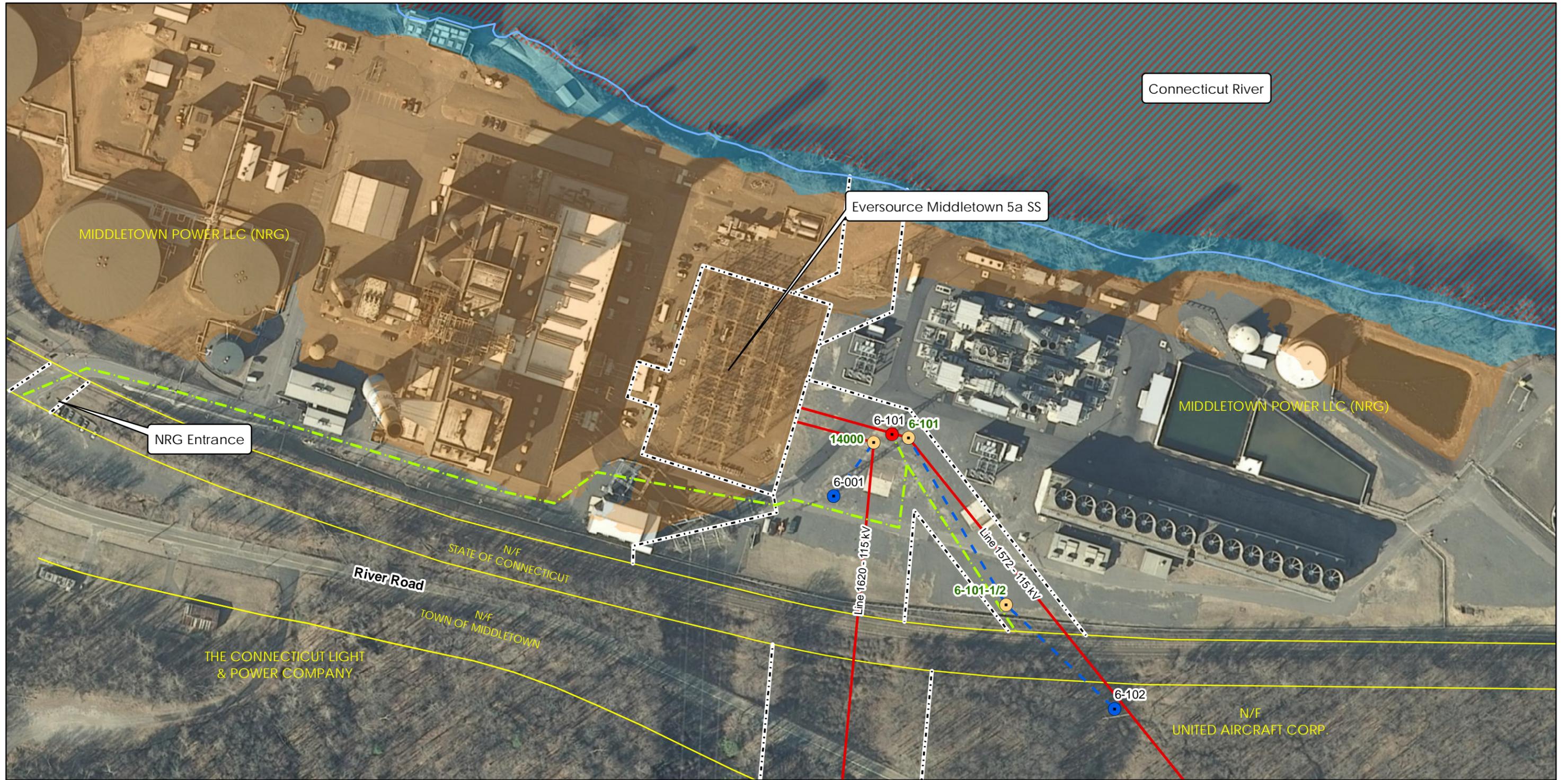
Kathleen M. Shanley  
Manager – Transmission Siting

Attachments:

Attachment A: Middletown 1572/1620 DCT Split Environmental Resource Map & Line List

Attachment B: Drawing No. 01190-85001- 1572/1620 Lines DCT Split Proposed ROW Cross Section – CSC

Attachment C: Letter to the Property Owner



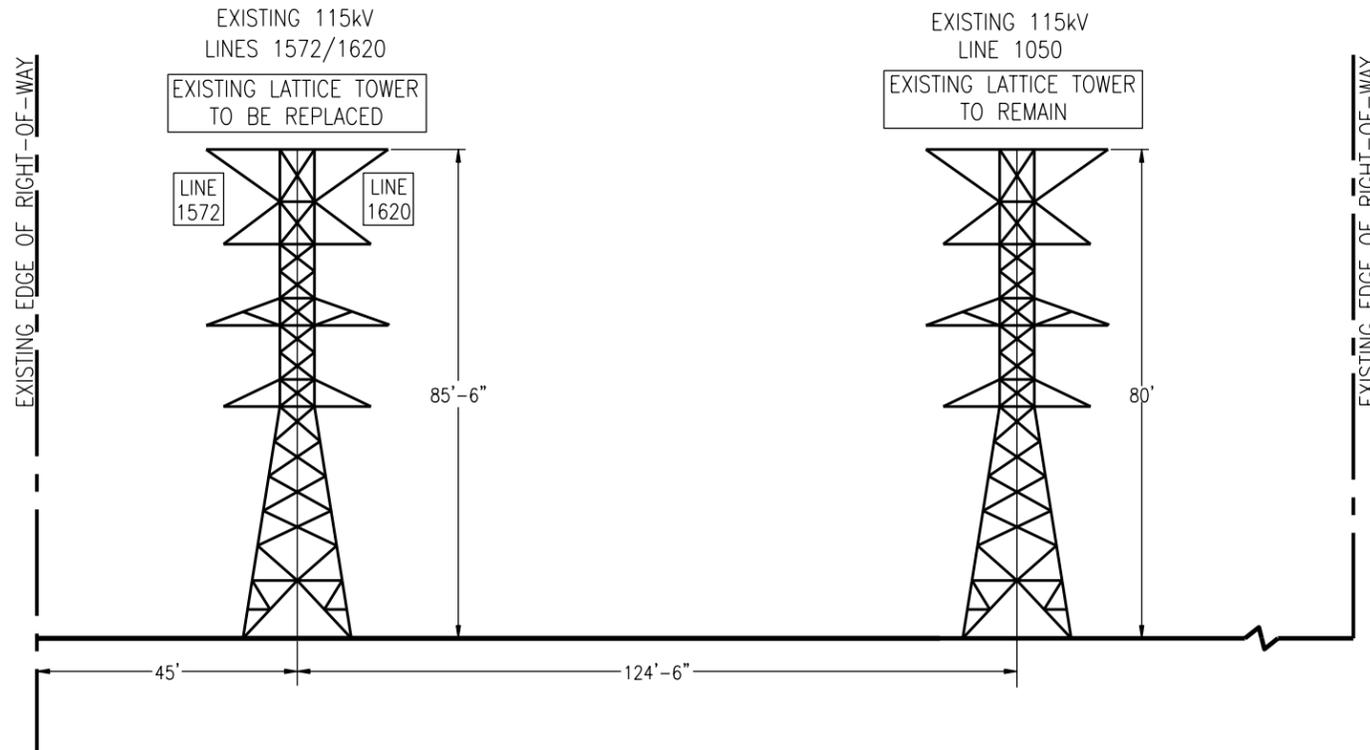
Legend					
	Proposed New Structure		Proposed Access Route		Floodway
	Existing Structure to Remain		Eversource Right of Way		500-Year Flood Zone
	Existing Structure to be Removed		Property Lines		River's Edge
	Transmission Line Centerline		100-Year Flood Zone		
	ADSS Circuit Centerline				

**GZA GeoEnvironmental, Inc.**  
Engineers and Scientists  
www.gza.com

MIDDLETOWN 1572/1620 DCT SPLIT ENVIRONMENTAL RESOURCE MAP

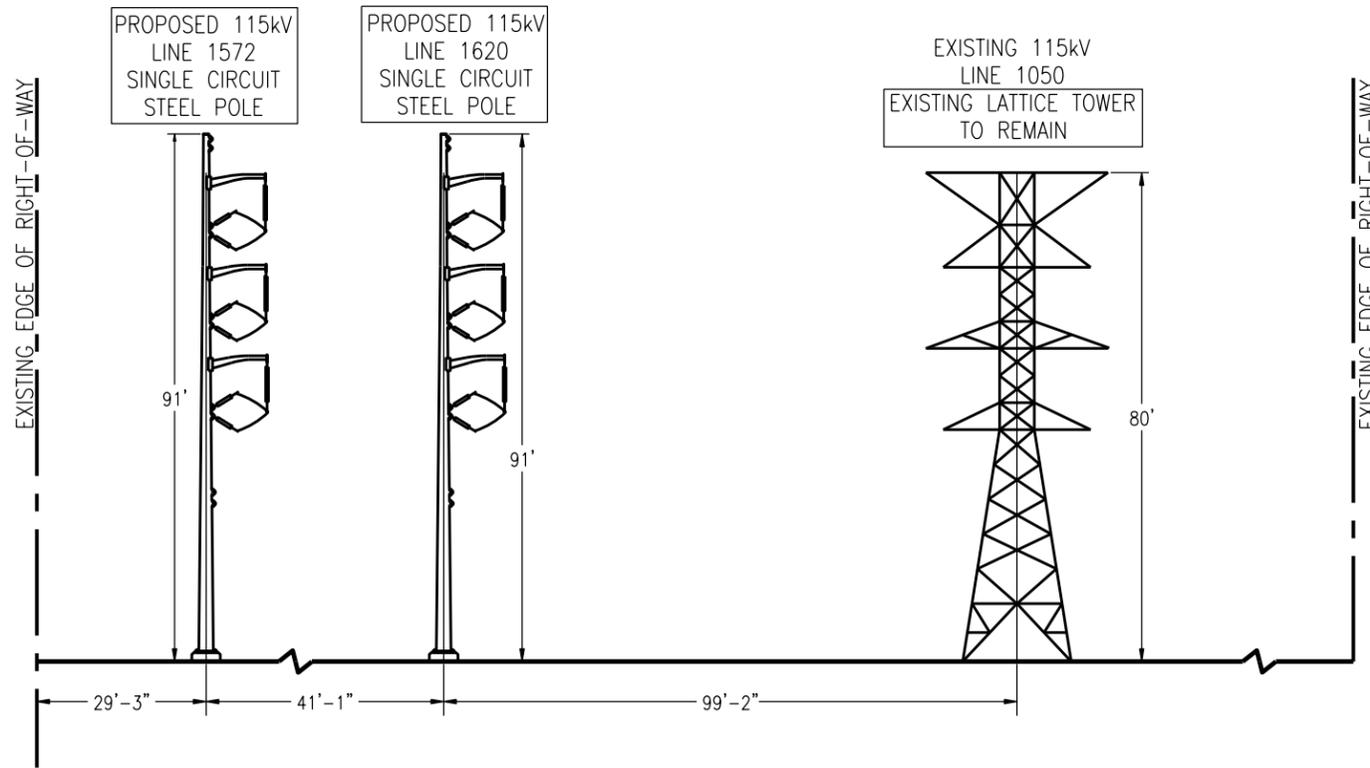
EVERSOURCE ENERGY  
LINES 1572 & 1620

Sheet 1 of 1



**EXISTING**

PERSPECTIVE IS LOOKING SOUTHEAST FROM MIDDLETOWN SUBSTATION TOWARD EXISTING DOUBLE CIRCUIT LATTICE TOWER.



**PROPOSED**

PERSPECTIVE IS LOOKING SOUTHEAST FROM MIDDLETOWN SUBSTATION TOWARD EXISTING DOUBLE CIRCUIT LATTICE TOWER.

**EVERSOURCE ENERGY**

<p>1572/1620 LINES DCT SPLITS PROPOSED ROW CROSS SECTION Structure 6-101 MIDDLETOWN, CT</p>							
BY	RAL	CHKD	JFH	APP	Designer or P/C	APP	JFH
DATE	04/28/2016	DATE	04/28/2016	DATE		DATE	04/28/2016
H-SCALE	N.T.S.	SHEET	B	FIELD BOOK & PAGES			
V-SCALE	N.T.S.	V.S.		R.E. DMC			
R.E. PROJ. NUMBER				DMC NO.		01190-85001	





56 Prospect Street  
P.O. Box 270  
Hartford, CT 06103

**Kathleen Shanley**  
Manager, Transmission Siting

Mr. Don Guzzetta  
NRG Middletown Power  
1866 River Road  
Middletown CT 06457

May 5, 2016

Dear Mr. Guzzetta,

As part of its everyday effort to deliver reliable energy and superior customer service, Eversource is submitting a petition to the Connecticut Siting Council (CSC) for the Middletown 1572 Line/1620 Line Double-Circuit Tower Split Project ("Project") to be conducted within the fenced area of the Middletown Power LLC, a subsidiary of NRG Energy Inc., generating facility in the City of Middletown.

The Project scope includes separating the 1572 Line from the 1620 Line where they currently share a common support structure. This involves removing the existing lattice tower structure and installing two steel monopoles. There will also be the installation of a wood pole to support a fiber optic cable.

If the work is approved by the CSC, construction is expected to begin fall 2016. Completion of the Project is expected to be by the end of 2016.

If you would like to send comments or concerns regarding Eversource's petition to the CSC, please send them via email to [siting.council@ct.gov](mailto:siting.council@ct.gov) or a letter to the following address:

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

For more information about this upgrade, please call the Eversource Transmission Information Line at 1-800-793-2202, or send an email to [TransmissionInfo@eversource.com](mailto:TransmissionInfo@eversource.com).

Thank you.

Sincerely,

*Kenneth Roberts*

Kenneth Roberts  
Eversource Project Manager