

January 23, 2017

Mark Pappalardo  
Eversource Energy Service Company  
56 Prospect Street  
Hartford, CT 06103  
[Mark.pappalardo@eversource.com](mailto:Mark.pappalardo@eversource.com)

Project: Greenwich Substation and Line Project, Sound Shore Drive to 290 Railroad Avenue, Greenwich  
NDDB Determination No.: 201700531

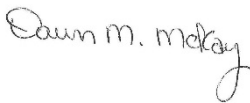
Dear Mark Pappalardo,

I have reviewed Natural Diversity Data Base (NDDB) maps and files regarding the area delineated on the map provided for the proposed Greenwich Substation and Line Project, Sound Shore Drive to 290 Railroad Avenue, Greenwich, Connecticut. I do not anticipate negative impacts to State-listed species (RCSA Sec. 26-306) resulting from your proposed activity at the site based upon the information contained within the NDDB. The result of this review does not preclude the possibility that listed species may be encountered on site and that additional action may be necessary to remain in compliance with certain state permits. This determination is good for two years. Please re-submit a new NDDB Request for Review if the scope of work changes or if work has not begun on this project by January 23, 2019.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available.

Please contact me if you have further questions at (860) 424-3592, or [dawn.mckay@ct.gov](mailto:dawn.mckay@ct.gov). Thank you for consulting the Natural Diversity Data Base.

Sincerely,



Dawn M. McKay  
Environmental Analyst 3



79 Elm Street • Hartford, CT 06106-5127

[www.ct.gov/deep](http://www.ct.gov/deep)

Affirmative Action/Equal Opportunity Employer

March 10, 2017

Mark Pappalardo  
Eversource Energy Service Company  
56 Prospect St  
Hartford, CT 06103  
[mark.pappalardo@eversource.com](mailto:mark.pappalardo@eversource.com)

Project: Greenwich substation and line project - All Underground Route, Cos Cob Substation on Sound Shore Drive to 281 Railroad Avenue in Greenwich  
NDDDB Determination No.: 201701874

Dear Mark Pappalardo,

I have reviewed Natural Diversity Database (NDDDB) maps and files regarding the area of work provided for the proposed Greenwich substation and line project - All Underground Route, in Greenwich, Connecticut. I do not anticipate negative impacts to State-listed species (RCSA Sec. 26-306) resulting from your proposed activity at the site based upon the information contained within the NDDDB. The result of this review does not preclude the possibility that listed species may be encountered on site and that additional action may be necessary to remain in compliance with certain state permits. This determination is good for two years. Please re-submit a new NDDDB Request for Review if the scope of work changes or if work has not begun on this project by March 10, 2019.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey, cooperating units of DEEP, landowners, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the NDDDB should not be substitutes for on-site surveys necessary for a thorough environmental impact assessment. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the database as it becomes available.

Please contact me if you have further questions at (860) 424-3378, or [karen.zyko@ct.gov](mailto:karen.zyko@ct.gov) . Thank you for consulting the Natural Diversity Database.

Sincerely,

A handwritten signature in blue ink, appearing to read "Karen Zyko".

Karen Zyko  
Environmental Analyst



State Historic Preservation Office

One Constitution Plaza | Hartford, CT 06103 | 860.256.2800 | Cultureandtourism.org

PROJECT REVIEW COVER FORM

1. This information relates to a previously submitted project.

You do not need to complete the rest of the form if you have been previously issued a SHPO Project Number. Please attach information to this form and submit.

SHPO Project Number \_\_\_\_\_ (Not all previously submitted projects will have project numbers)

Project Address \_\_\_\_\_ (Street Address and City or Town)

2. This is a new Project.

If you have checked this box, it is necessary to complete all entries on this form.

Project Name: Greenwich Substation and Line Project
Project Location: Cos Cob Substation on Sound Shore Drive to 290 Railroad Avenue
City or Town: Greenwich
County: Fairfield County
Date of Construction: Circa 1960s (see Option 1 only)

PROJECT DESCRIPTION SUMMARY (include full description in attachment):

There are two proposed options for construction of this project. They are as follows:

Option 1 - A combined overhead/underground transmission line route. The proposed new substation would be constructed at 290 Railroad Avenue. The +/-2.1-mile long transmission line would use a combination of aboveground and underground facilities...

Option 2 - An all underground transmission line route. The proposed new substation would be constructed at 281 Railroad Avenue. The +/-2.3-mile long double-circuit transmission line would consist of trenched-in cables extending east from Railroad Avenue to Sound Shore Drive via Arch Street, Museum Drive, Davis Avenue, Wood Road, Bruce Park Drive, and Indian Field Road.

TYPE OF REVIEW REQUESTED

a. Does this undertaking involve funding or permit approval from a State or Federal Agency?

Yes (checked) No



State Historic Preservation Office

One Constitution Plaza | Hartford, CT 06103 | 860.256.2800 | Cultureandtourism.org

PROJECT REVIEW COVER FORM

Agency Name/Contact CT Siting Council	Type of Permit/Approval Petition for Reconsideration	State <input checked="" type="checkbox"/>	Federal <input type="checkbox"/>
b. Have you consulted the SHPO and UCONN Dodd Center files to determine the presence or absence of previously identified cultural resources within or adjacent to the project area?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If yes: Was the project site wholly or partially located within an identified archeologically sensitive area?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the project site involve or is it substantially contiguous to a property listed or recommended for listing in the CT State or National Registers of Historic Places?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does the project involve the rehabilitation, renovation, relocation, demolition or addition to any building or structure that is 50 years old or older?		<input checked="" type="checkbox"/>	<input type="checkbox"/>

The Historic Preservation Review Process in Connecticut Cultural Resource Review under the National Historic Preservation Act – Section 106 <http://www.achp.gov/106summary.html> involves providing technical guidance and professional advice on the potential impact of publicly funded, assisted, licensed or permitted projects on the state's historic, architectural and archaeological resources. This responsibility of the State Historic Preservation Office (SHPO) is discharged in two steps: (1) identification of significant historic, architectural and archaeological resources; and (2) advisory assistance to promote compatibility between new development and preservation of the state's cultural heritage.

Project review is conducted in two stages. First, the SHPO assesses affected properties to determine whether or not they are listed or eligible for listing in the Connecticut State or National Registers of Historic Places. If so, it is deemed "historic" and worthy of protection and the second stage of review is undertaken. The project is reviewed to evaluate its impact on the properties significant materials and character. Where adverse effects are identified, alternatives are explored to avoid, or reduce project impacts; where this is unsuccessful, mitigation measures are developed and formal agreement documents are prepared stipulating these measures. For more information and guidance, please see our website at: <http://www.cultureandtourism.org/cct/cwp/view.asp?a=3933&q=293820>

ALL PROJECTS SUBMITTED FOR REVIEW MUST INCLUDE THE FOLLOWING MATERIALS\*:

**PROJECT DESCRIPTION** Please attach a full description of the work that will be undertaken as a result of this project. Portions of environmental statements or project applications may be included. The project boundary of the project should be clearly defined\*\* (Please refer to Cultural Resources Review Document)

**PROJECT MAP** This should include the precise location of the project – preferably a clear color image showing the nearest streets or roadways as well as all portions of the project. Tax maps, Sanborn maps and USGS quadrangle maps are all acceptable, but Bing and Google Earth are also accepted if the information provided is clear and well labeled. The project boundary should be clearly defined on the map and affected legal parcels should be identified. (Please refer to Cultural Resources Review Document)

**PHOTOGRAPHS** Clear, current images of the property should be submitted. Black and white photocopies will not be accepted. Include images of the areas where the proposed work will take place. May require: exterior elevations, detailed photos of elements to be repaired/replaced (windows, doors, porches, etc.) All photos should be clearly labeled. (Please refer to Cultural Resources Review Document)

For Existing Structures	Yes	N/A	Comments
Property Card	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
For New Construction	Yes	N/A	Comments
Project plans or limits of construction (if available)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Cultural Resources Review



**State Historic Preservation Office**

One Constitution Plaza | Hartford, CT 06103 | 860.256.2800 | Cultureandtourism.org

**PROJECT REVIEW COVER FORM**

If project is located in a Historic District include renderings or elevation drawings of the proposed structure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Soils Maps <a href="http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm">http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Cultural Resources Review
Historic Maps <a href="http://magic.lib.uconn.edu/">http://magic.lib.uconn.edu/</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Cultural Resources Review
For non-building-related projects (dams, culverts, bridge repair, etc)	Yes	N/S	Comments
Property Card	<input type="checkbox"/>	<input type="checkbox"/>	See Cultural Resources Review
Soils Map (see above)	<input type="checkbox"/>	<input type="checkbox"/>	“
Historic Maps (see above)	<input type="checkbox"/>	<input type="checkbox"/>	“

**PROJECT CONTACT**

Name **Michael Libertine** Title **Director of Siting & Permitting**  
 Firm/Agency **All-Points Technology Corporation, P.C.** Address **3 Saddlebrook Drive**  
 City **Killingworth** State **CT** Zip **06419**  
 Phone **(860) 983-5153** Cell **(860) 983-5153** Fax **(860) 663-0935**  
 Email [mibertine@allpointstech.com](mailto:mibertine@allpointstech.com)

\*Note that the SHPO's ability to complete a timely project review depends largely on the quality of the materials submitted.  
 \*\* Please be sure to include the project name and location on *each page* of your submission.



State Historic Preservation Office


One Constitution Plaza | Hartford, CT 06103 | 860.256.2800 | Cultureandtourism.org

PROJECT REVIEW COVER FORM

SHPO USE ONLY

Based on our review of the information provided to the State Historic Preservation Office, it is our opinion that:

- No historic properties will be affected by this project. No further review is requested.
- This project will cause no adverse effects to the following historic properties. No further review is requested:
- This project will cause no adverse effects to the following historic properties, conditional upon the stipulations included in the attached letter:
- Additional information is required to complete our review of this project. Please see the attached letter with our requests and recommendations.
- This project will adversely affect historic properties as it is currently designed or proposed. Please see the attached letter for further details and guidance.

  
 Catherine Labadia  
 Deputy State Historic Preservation Officer

4/25/17  
 Date

Greewich Substation and Line Project - Greenwich



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
New England Ecological Services Field Office  
70 COMMERCIAL STREET, SUITE 300  
CONCORD, NH 03301  
PHONE: (603)223-2541 FAX: (603)223-0104  
URL: [www.fws.gov/newengland](http://www.fws.gov/newengland)

Consultation Code: 05E1NE00-2017-SLI-0969

March 03, 2017

Event Code: 05E1NE00-2017-E-01775

Project Name: Eversource Greenwich Substation and Line Project

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan ([http://www.fws.gov/windenergy/eagle\\_guidance.html](http://www.fws.gov/windenergy/eagle_guidance.html)). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment





United States Department of Interior  
Fish and Wildlife Service

Project name: Eversource Greenwich Substation and Line Project

## Official Species List

### Provided by:

New England Ecological Services Field Office

70 COMMERCIAL STREET, SUITE 300

CONCORD, NH 03301

(603) 223-2541

<http://www.fws.gov/newengland>

**Consultation Code:** 05E1NE00-2017-SLI-0969

**Event Code:** 05E1NE00-2017-E-01775

**Project Type:** TRANSMISSION LINE

**Project Name:** Eversource Greenwich Substation and Line Project

**Project Description:** Location: Cos Cob Substation on Sound Shore Drive to 281 Railroad Avenue  
Description: The proposed site of 281 Railroad Avenue is an Eversource owned property that is used to store wood poles. The underground line would follow existing roadways and have one crossing of the Metro North Railroad (North to South), where the line would be contained in Steamboat Road, which runs underneath a MNRR bridge.

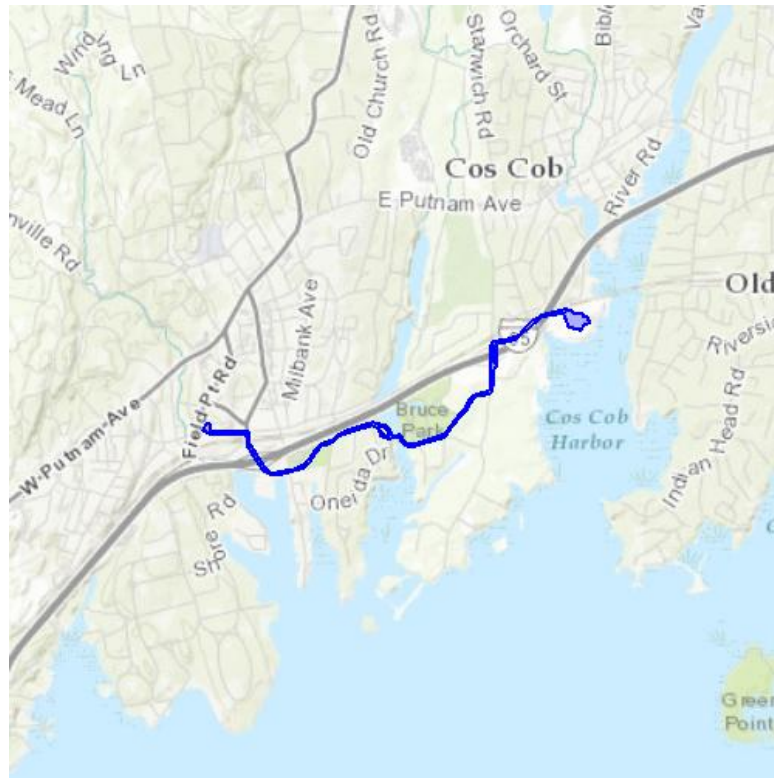
**Please Note:** The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.



United States Department of Interior  
Fish and Wildlife Service

Project name: Eversource Greenwich Substation and Line Project

### Project Location Map:



**Project Coordinates:** The coordinates are too numerous to display here.

**Project Counties:** Fairfield, CT



United States Department of Interior  
Fish and Wildlife Service

Project name: Eversource Greenwich Substation and Line Project

## Endangered Species Act Species List

There are a total of 2 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Birds	Status	Has Critical Habitat	Condition(s)
Red Knot ( <i>Calidris canutus rufa</i> ) Population: Wherever found	Threatened		
<b>Mammals</b>			
Northern long-eared Bat ( <i>Myotis septentrionalis</i> ) Population: Wherever found	Threatened		



United States Department of Interior  
Fish and Wildlife Service

Project name: Eversource Greenwich Substation and Line Project

## **Critical habitats that lie within your project area**

There are no critical habitats within your project area.