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Also admitted in Massachusetts  
and Connecticut

**Via Hand Delivery**

October 20, 2015

Todd Bianco  
Siting Board Coordinator  
Energy Facility Siting Board  
89 Jefferson Boulevard  
Warwick, RI 02888

**Re: The Narragansett Electric Company d/b/a National Grid  
New London Avenue Substation Tap Line ("Project")  
Docket No. SB-2015-05**

Dear Mr. Bianco:

I am enclosing for filing an original and nine (9) copies of National Grid's responses to the First Set of Data Requests submitted by the Energy Facility Siting Board in the above referenced matter.

Please acknowledge receipt of this filing on the enclosed copy and return it to me. Thank you.

Sincerely,



George W. Watson, III

Enclosures

Copy to: Patricia S. Lucarelli, Esq. (*via hand delivery*)  
Service List (*via electronic mail*)

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
ENERGY FACILITY SITING BOARD**

**In re: The Narragansett Electric** :  
**Company d/b/a National Grid** : **Docket No. SB-2015-5**  
**Notice of Intent to Construct a Tap Line** :  
**Of Less Than 1,000 Feet (New London** :  
**Avenue Substation Tap Line)** :

**ENERGY FACILITY SITING BOARD'S**  
**FIRST SET OF DATA REQUESTS TO**  
**NATIONAL GRID**

DATA REQUEST NO. 1-1: Identify whether there are any wetlands on the property that will be impacted by the construction and if so, whether the appropriate permits have been obtained.

RESPONSE:

The proposed transmission tap line work is not within state-regulated freshwater wetland. However, access to the proposed transmission tap line work construction areas will be along an existing access road within the right-of-way and will require crossing a small Shrub Wetland identified as Wetland 3 in NOI Exhibit B. To minimize soil disturbance, swamp mats will be temporarily placed within Wetland 3 along the access route. Swamp mats consist of timbers which are bolted together and temporarily placed over wetland areas to distribute equipment loads and minimize disturbance to the wetland and soil substrates. Swamp mats will be installed in a manner so as not to impede water flow. Following completion of construction, the swamp mats will be removed and any exposed soils will be mulched to promote vegetative growth and soil stabilization. Vegetation will not be permanently affected by the installation of these mats. Cumulatively, the swamp mats will occupy approximately 646 square feet of wetland.

A Rhode Island Department of Environmental Management (RIDEM) Request for Preliminary Determination Application has been submitted to the RIDEM for the Project. The application has been assigned file no. 15-0107 and is currently under review.

Response prepared by or under the supervision of  
Adam Rosenblatt, Senior Wetland Scientist, VHB

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
ENERGY FACILITY SITING BOARD**

**In re: The Narragansett Electric Company d/b/a National Grid Notice of Intent to Construct a Tap Line Of Less Than 1,000 Feet (New London Avenue Substation Tap Line) : : Docket No. SB-2015-5 : : : :**

**ENERGY FACILITY SITING BOARD'S  
FIRST SET OF DATA REQUESTS TO  
NATIONAL GRID**

DATA REQUEST NO. 1-2: Identify the current height of the structures being replaced and the difference in height with the new structures as well as the height of Structures 198 and 199 and the height that each of those structures will be raised to.

RESPONSE:

The chart below contains the existing structure height and final structure height for each of the five (5) existing transmission line structures that are being replaced or modified to provide clearance for the new tap line. As noted in the Data Request Response No. 1-3, the proposed structure work is permitted by right under the Warwick Zoning Ordinance.

<b>Existing Circuit/Structure Number</b>	<b>Replacement Circuit/Structure Number</b>	<b>Existing Structure Height (feet)</b>	<b>Final Structure Height (feet)</b>	<b>Height Differential (feet)</b>
T172S #225	T172S #225-1	80	110	+30
S171S #241	S171S #241	75	95	+20
359 #201	359 #201	90	105	+15
332 #198	same	66	71	+5
332 #199	same	66	81	+15

Response prepared by or under the supervision of  
Kenneth Dawe, Senior Engineer

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
ENERGY FACILITY SITING BOARD**

**In re: The Narragansett Electric** :  
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**ENERGY FACILITY SITING BOARD'S**  
**FIRST SET OF DATA REQUESTS TO**  
**NATIONAL GRID**

DATA REQUEST NO. 1-3: Provide a copy of the decision of the Warwick Zoning Board of Review filed with the Warwick City Clerk on July 16, 2015.

RESPONSE:

Attached as Attachment 1-3 is a copy of the Zoning Board of Review Decision #10222 for the New London Avenue Substation that was recorded in Book 8407, Page 222 of the Warwick Land Evidence Records. The new tap line structure and the modifications to the existing transmission line structures are permitted by right under the Warwick Zoning Ordinance.

Response prepared by or under the supervision of  
Kathleen Hurley, Project Manager

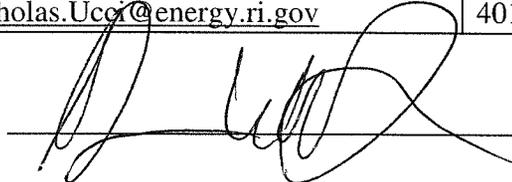
**SB-2015-05 Narragansett Electric Co. – New London Avenue Substation 115kV Tap Line  
Service List as of 10/13/2015**

**CERTIFICATE OF SERVICE**

I hereby certify that a true copy of the within Responses were sent by e-mail to the following this the 20<sup>th</sup> day of October, 2015.

<b>Name/Address</b>	<b>E-mail</b>	<b>Phone/FAX</b>
Mr. George W. Watson, III Mr. Peter V. Lacouture, Esq. Robinson & Cole LLP One Financial Plaza Suite 1430 Providence, RI 02903-2485	<a href="mailto:gwatson@rc.com">gwatson@rc.com</a> ;	401-709-3351 401-709-3399
	<a href="mailto:placouture@rc.com">placouture@rc.com</a> ;	401-709-3314
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	<a href="mailto:Cynthia.DeCambre@nationalgrid.com">Cynthia.DeCambre@nationalgrid.com</a> ;	781-907-1840
Warwick Town Council c/o Judy Wild, City Clerk Warwick City Hall, 2nd Floor 3275 Post Road Warwick, RI 02886  Peter D. Ruggiero, Esq. Town Solicitor 20 Centerville Road Warwick, RI 02886	<a href="mailto:Judy.Wild@warwickri.com">Judy.Wild@warwickri.com</a> ;	401-738-2000
	<a href="mailto:peter@rubroc.com">peter@rubroc.com</a> ;	401-737-8700
Mayor Scott Avedisian c/o Carol Caruso Warwick City Hall 3275 Post Road Warwick, RI 02886	<a href="mailto:Carol.A.Caruso@warwickri.com">Carol.A.Caruso@warwickri.com</a> ;	401-738-2000 ext. 6200
Mr. Leo Wold, Esq.	<a href="mailto:LWold@riag.ri.gov">LWold@riag.ri.gov</a> ;	401-222-2424

Karen Lyons, Esq. Department of Attorney General 150 South Main Street Providence, RI 02903	<a href="mailto:klyons@riag.ri.gov">klyons@riag.ri.gov</a> ;	ext. 2218
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	<a href="mailto:dmacrae@riag.ri.gov">dmacrae@riag.ri.gov</a> ;	
Ms. Janet Coit, Director Dept. of Environmental Management 235 Promenade Street Providence, RI 02908	<a href="mailto:janet.coit@dem.ri.gov">janet.coit@dem.ri.gov</a> ;	401-222-4700 Ext. 2409
	<a href="mailto:Rayna.maguire@dem.ri.gov">Rayna.maguire@dem.ri.gov</a> ;	
Ms. Margaret E. Curran Chairperson 89 Jefferson Boulevard Warwick, RI 02888	<a href="mailto:Margaret.Curran@puc.ri.gov">Margaret.Curran@puc.ri.gov</a> ;	401-780-2100
Mr. Kevin Flynn, Associate Director for Division of Planning Department of Administration One Capitol Hill, 3 <sup>rd</sup> Floor Providence, RI 02903	<a href="mailto:kevin.flynn@doa.ri.gov">kevin.flynn@doa.ri.gov</a> ;	401-222-6496
Cynthia Wilson Frias, Counsel Alan Nault Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	<a href="mailto:Cynthia.Wilsonfrias@puc.ri.gov">Cynthia.Wilsonfrias@puc.ri.gov</a> ;	401-780-2147 401-780-2135
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	<a href="mailto:thomas.kogut@dpuc.ri.gov">thomas.kogut@dpuc.ri.gov</a> ;	
Todd Bianco, Coordinator Energy Facility Siting Board 89 Jefferson Boulevard Warwick, RI 02888	<a href="mailto:Todd.bianco@puc.ri.gov">Todd.bianco@puc.ri.gov</a> ;	401-780-2106
	<a href="mailto:Patricia.lucarelli@puc.ri.gov">Patricia.lucarelli@puc.ri.gov</a> ;	
Nick Ucci, OER	<a href="mailto:Nicholas.Ucci@energy.ri.gov">Nicholas.Ucci@energy.ri.gov</a>	401-574-9104



DONALD G. MORASH, JR.  
CHAIRMAN

SCOTT AVEDISIAN  
MAYOR



CITY OF WARWICK  
ZONING BOARD OF REVIEW  
WARWICK, RHODE ISLAND 02886  
(401) 738-2000

July 16, 2015

COPY

The Narragansett Electric Company  
d/b/a National Grid  
40 Sylvan Road  
Waltham, MA 02451

Dear Petitioner:

The following is the decision on your Petition #10222, heard by the Warwick Zoning Board of Review on June 9, 2015 for a request for a special use permit and dimensional variance to construct an electric substation on a portion of the subject property, with substation equipment to be installed within a 0.8 acre fenced substation yard, to have barbed wire fencing and fencing higher than allowed for said substation, to have substation structures higher than allowed, southeasterly side of New London Avenue (375), Warwick, RI, Assessor's Plat 253, Lot 54, zoned Residential A-40.

After the testimony was completed at the public hearing for which due notice was given and a record kept, and after having viewed the premises and the surrounding area, the Zoning Board of Review of the City of Warwick taking into consideration its knowledge and expertise and after taking into consideration all of the testimony at the public hearing, makes the following findings of fact:

1. The subject property is known as Assessor's Plat 253, Lot 54, containing approximately 405,251 square feet of land, more or less, zoned Residential A-40.
2. Currently there are no buildings on the property. There is an existing 250 foot wide electric transmission ROW with four transmission lines and one distribution line, the remaining land is undeveloped.
3. The petitioner is requesting a special use permit to construct an electric substation on the subject property.
4. The petitioner is requesting dimensional relief to install a fence and noise wall higher than allowed. The proposed fence would be 8' in height.

Decision #10222 - Narragansett Electric Company d/b/a National Grid  
Page 2

5. The petitioner requests a special use permit to have barbed wire located around the top of the fence for the last foot of the height.
6. Dimensional relief is also being requested for the height of the proposed structures for the substation facility.
7. The petitioner stated that in the interest of screening the substation from the street and abutting neighbors, the Project engineers located the substation next to the existing transmission lines and as far away from the abutting properties as possible.
8. The existing substation was further down Centerville Road in West Warwick is in need of significant upgrades and was constructed in the 1940's.
9. The substation would be located within a fenced in area of the subject approximately 150' x 230' in dimension.
10. The petitioner described the proposed landscaping plan to the Board. The petitioner stated that the plan provides for very dense vegetation to minimize the impact for the abutting residential properties.
11. There were many neighbors present in objection to the petition.
12. The area surrounding the subject property consists of residentially zoned properties.

The Zoning Board of Review applied these findings to the standards of review for the granting of a dimensional variance and special use permit as follows:

As to the special use permit:

1. The special use permit is authorized by Table #1, Use Regulations #607 of the Warwick Zoning Ordinance, upon approval of the Zoning Board of Review.
2. The special use meets all of the criteria set forth in said section. The requested dimensional relief does not exceed a 50 percent deviation from any of the dimensional regulations.
3. The proposed use will not alter the general character of the surrounding area nor impair the intent or purpose of said ordinance or the City's comprehensive plan. There are currently transmission lines located on the property. The existing substation is within the immediate area.

As to the dimensional variance:

Decision #10222 - Narragansett Electric Company d/b/a National Grid

Page 3

1. The hardship from which the petitioner seeks relief is due to the unique characteristics of the subject land or structure and not to the general characteristics of the surrounding area and not due to a physical or economic disability of the applicant. There are currently transmission lines on the property that the petitioner would need to utilize for the proposed substation. The petitioner has an obligation to provide service to all customers in its territory.
2. Said hardship is not the result of any prior action of the applicant and does not result primarily from the desire of the applicant to realize greater financial gain. The substation is required to address growing demand for electricity. The existing substation was constructed in the 1940's and is in need of significant upgrades.
3. The granting of the requested variance will not alter the general characteristic of the surrounding area or impair the intent or purpose of this zoning ordinance or the comprehensive plan of the City. The substation would be screened and located a distance from the street and abutting homes so as to not alter the general character of the area.
4. The relief requested is the least relief necessary. The height of the substation structures and fencing are required by applicable codes and standards.
5. Literal enforcement of the dimensional regulations in this case would constitute more than a mere inconvenience for the applicant. If the relief is not granted the petitioner will not be able to construct the project because the structures and fencing would not conform with the applicable electrical and safety codes and standards.

Based on the foregoing, the Board voted by a four (4) to one (1) to grant the petitioner's application for a special use permit and dimensional variance with the following stipulations and conditions.

(Donald Morash voted to approve, Richard Corley voted to approve, Julie Finn voted to deny, Mark McKenney voted to approve and Everett O'Donnell voted to approve.)

1. The applicant shall submit a drainage plan prepared by a registered, professional engineer to the City Engineer for review and approval. Said plan shall be prepared in accordance with State Regulations.
2. A soil erosion and sedimentation control permit may be required by the Building Official upon review by the City Engineer and the Building Official.
3. The applicant shall submit a landscape plan, prepared by a registered, professional landscape architect to the City's Landscape Coordinator for review and approval.

Decision #10222 - Narragansett Electric Company d/b/a National Grid  
Page 4

4. That following the building of the substation that there shall be yearly noise monitoring for the first three (3) years.

5. That this decision must be recorded in the Land Evidence Records in the City Clerk's Office before a building permit/certificate of occupancy is issued.

\*Please note that the appeal period (20 days) begins when said decision is posted with the City Clerk's Office.

6. Strict compliance with the plans and testimony presented to the Board.

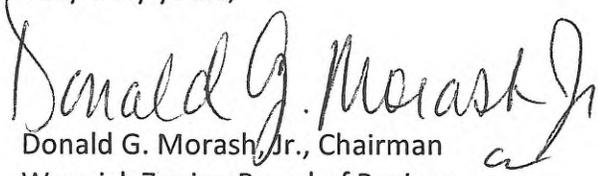
7. No expansion of the approved structure shall be made without approval of the Zoning Board of Review.

8. That this grant shall be activated with a building permit (which must remain active, as required by the State Building Code Section 23-27.3-114.2)/ certificate of occupancy, within one (1) year, unless extended by the Board, or it shall become void, or as otherwise governed by RIGL 45-24-61.1, as amended.

9. Note this zoning resolution expires if a permit is not kept active as required the State Building Code 23-17.3 Section 114.2.

Present this letter to the Building Inspector when applying for the necessary permits.

Very truly yours,



Donald G. Morash, Jr., Chairman  
Warwick Zoning Board of Review

DGM:cc

c. George Watson, Esq.

RECORDED  
Jul 16, 2015 03:23P  
Marie T. Ahlert, City Clerk  
City of Warwick, RI