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Via Hand Delivery

April 7, 2016

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

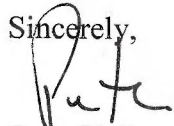
**Re: The Narragansett Electric Company d/b/a National Grid
Aquidneck Island Reliability Project
Docket No. SB-2016-01**

Dear Todd:

I am enclosing for filing an original and ten (10) copies of The Narragansett Electric Company d/b/a National Grid's responses to the March 24, 2016 Record Requests in the above referenced matter.

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

Sincerely,



Peter V. Lacouture

PVL/blv

Enclosures

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

RECEIVED
16 APR - 7 PM 1:43
DIVISION OF P.U.C.
MOTOR CARRIERS
PROVIDENCE, R.I.

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-2016-01
(Aquidneck Island Reliability Project) :

**NATIONAL GRID’S RESPONSES TO
THE ENERGY FACILITY SITING BOARD’S
RECORD REQUESTS OF MARCH 24, 2016**

EFSB RECORD REQUEST NO. 1 (3/24/16): Explain scheme for transmission line numbering (e.g. M13/L14, 61/62/63 Lines).

RESPONSE:

In the former Eastern Utility Associates (EUA) territory (generally Aquidneck Island and the Blackstone Valley), the 115 kV lines are numbered in reverse alpha-numeric order (e.g. Z1, Y2, X3, W4 and M13, L14, K15).

The 69 kV lines in the former EUA territory are 2 digit numbers only, that start with the number 6. The 61 and 62 Lines are examples of this numbering scheme.

In the former New England Electric System (NEES) territory (balance of Rhode Island), the numbering scheme for lines under 345 kV consists of a combination of letter, hyphen, and sequential number. The number series for each voltage are identified below.

69 kV	Sub 100 series
115 kV	100 series (e.g. S-171, T-172, E-183)
230 kV	200 series

The numbering scheme for 345 kV lines is 3 digits in the 300 series (e.g. 341, 347).

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
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**NATIONAL GRID’S RESPONSES TO
THE ENERGY FACILITY SITING BOARD’S
RECORD REQUESTS OF MARCH 24, 2016**

EFSB RECORD REQUEST NO. 2 (3/24/16): Provide visual rendering of Structures 135 and 136.

RESPONSE:

Attached is “Figure 18 – Viewpoint 84 (Jepson Lane – View to the east) March 2015 Sheet 2 of 2 - Proposed View” from the Visual Impact Assessment Aquidneck Island Reliability Project prepared by Environmental Design & Research. See ER Appendix D. The photo is a rendering of the new structures on the old Jepson Substation property. In the foreground are Structures 135 and 136 (in the background are Structures 132, 133, and 134 which are located on the east side of Sisson Pond). Structure 136 is the structure closest to the viewer. Structure 136 will be a temporary 100 foot tall double circuit suspension wood pole. The rendering is an accurate representation of the structure’s height, location, and configuration. Structure 136 will be removed after the existing Jepson Substation has been removed. Structure 135 will be a 105 foot tall deadend double circuit self-weathering steel pole.



Aquidneck Island Reliability Project
 Towns of Portsmouth and Middletown, Newport County, Rhode Island
Figure 18 - Viewpoint 84 (Jepson Lane - View to the east)
 March 2015



Aquidneck Island Reliability Project
Newport County, Rhode Island

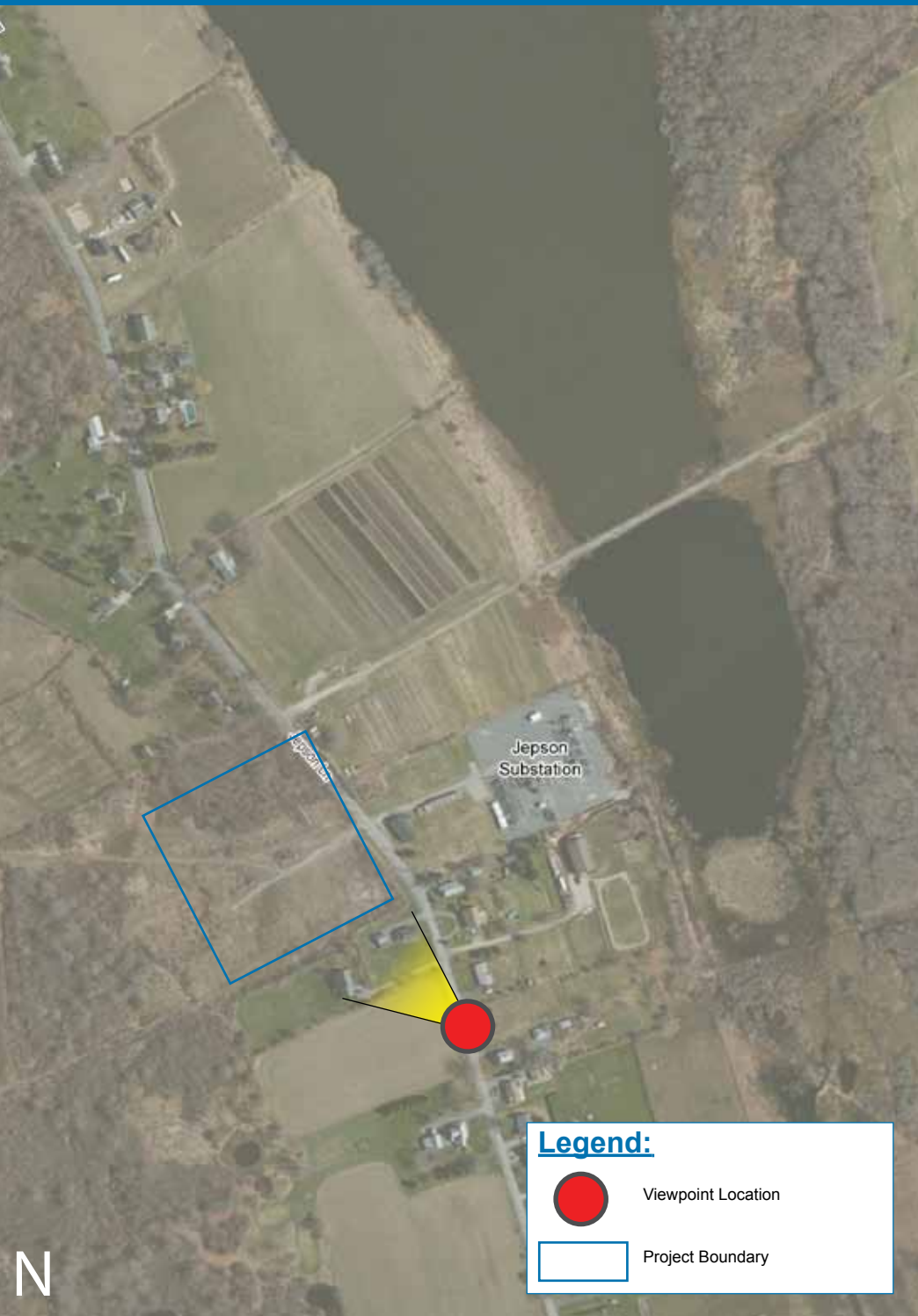
Proposed Jepson Substation Screening:
Installed Size

January 2016

Viewpoint and Camera Technical Data

Viewpoint Location.....Lat/Long: 41° 32' 41.17" N, 71° 16' 47.17" W
Camera Type.....Nikon D200
Field of View..... 36°
Photograph View Direction.....Northwest
Time of Photograph.....5:14 PM
Date Photograph Taken.....November 20, 2014
Distance to Station.....394 Feet

Viewpoint Location and View Direction



Original Photograph



Prepared For: Prepared By:



Aquidneck Island Reliability Project

Newport County, Rhode Island

Proposed Jepson Substation Screening:
5-7 Years Following Installation

January 2016

Viewpoint and Camera Technical Data

Viewpoint Location.....Lat/Long: 41° 32' 41.17" N, 71° 16' 47.17" W
Camera Type.....Nikon D200
Field of View..... 36°
Photograph View Direction.....Northwest
Time of Photograph.....5:14 PM
Date Photograph Taken.....November 20, 2014
Distance to Station.....394 Feet

Viewpoint Location and View Direction



Original Photograph



Prepared For: Prepared By:

SIMULATION



Aquidneck Island Reliability Project
Newport County, Rhode Island

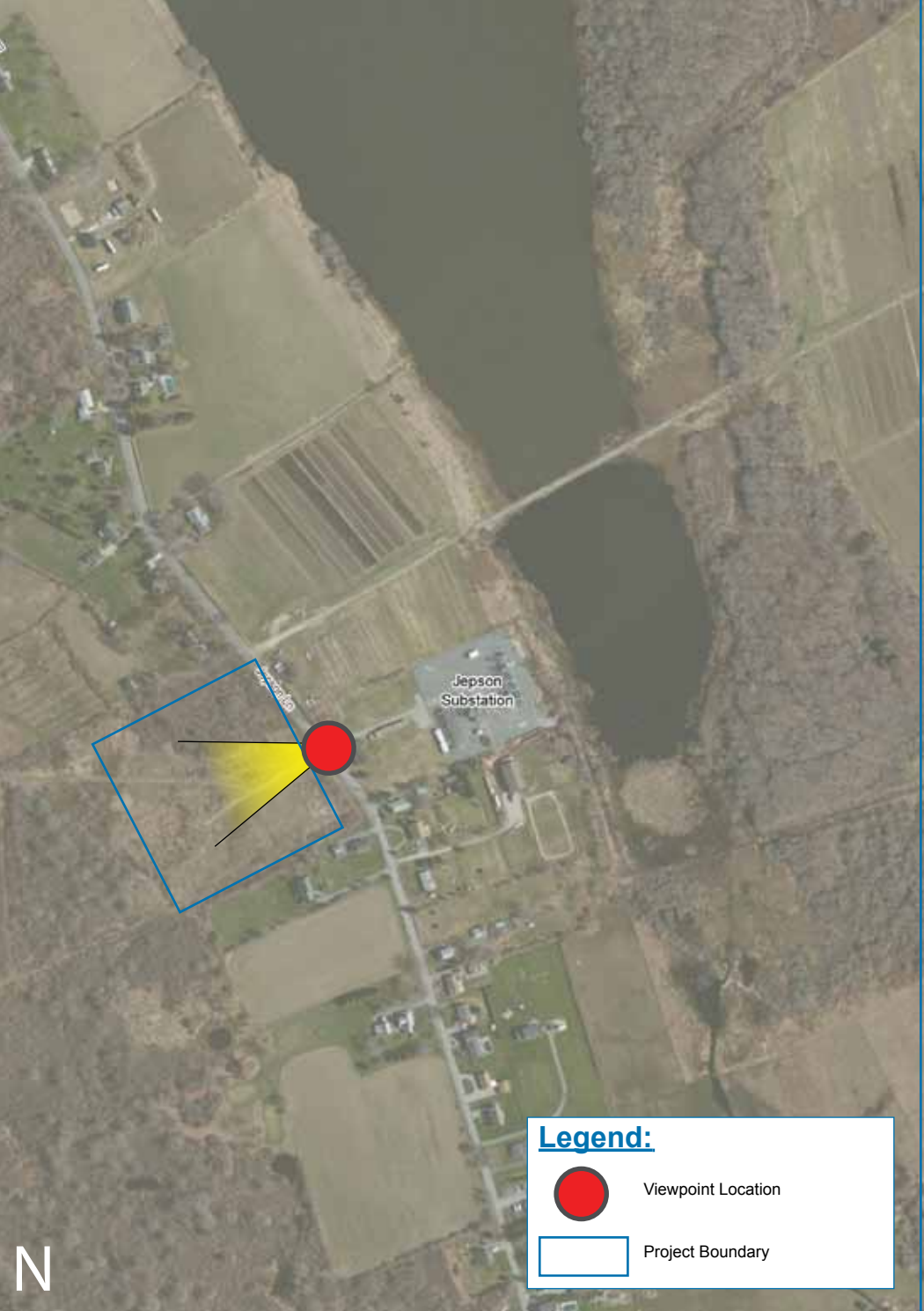
Proposed Jepson Substation Screening:
Installed Size

January 2016

Viewpoint and Camera Technical Data

Viewpoint Location.....	Lat/Long: 41°32'46.75"N 71°16'48.14"W
Camera Type.....	Nikon D200
Field of View.....	36°
Photograph View Direction.....	West Southwest
Time of Photograph.....	3:23 PM
Date Photograph Taken.....	November 19, 2014
Distance to Station.....	90 Feet

Viewpoint Location and View Direction



Original Photograph



Prepared For: Prepared By:



AQUIDNECK
ISLAND
RELIABILITY



www.edrdgc.com

SIMULATION



Aquidneck Island Reliability Project
Newport County, Rhode Island

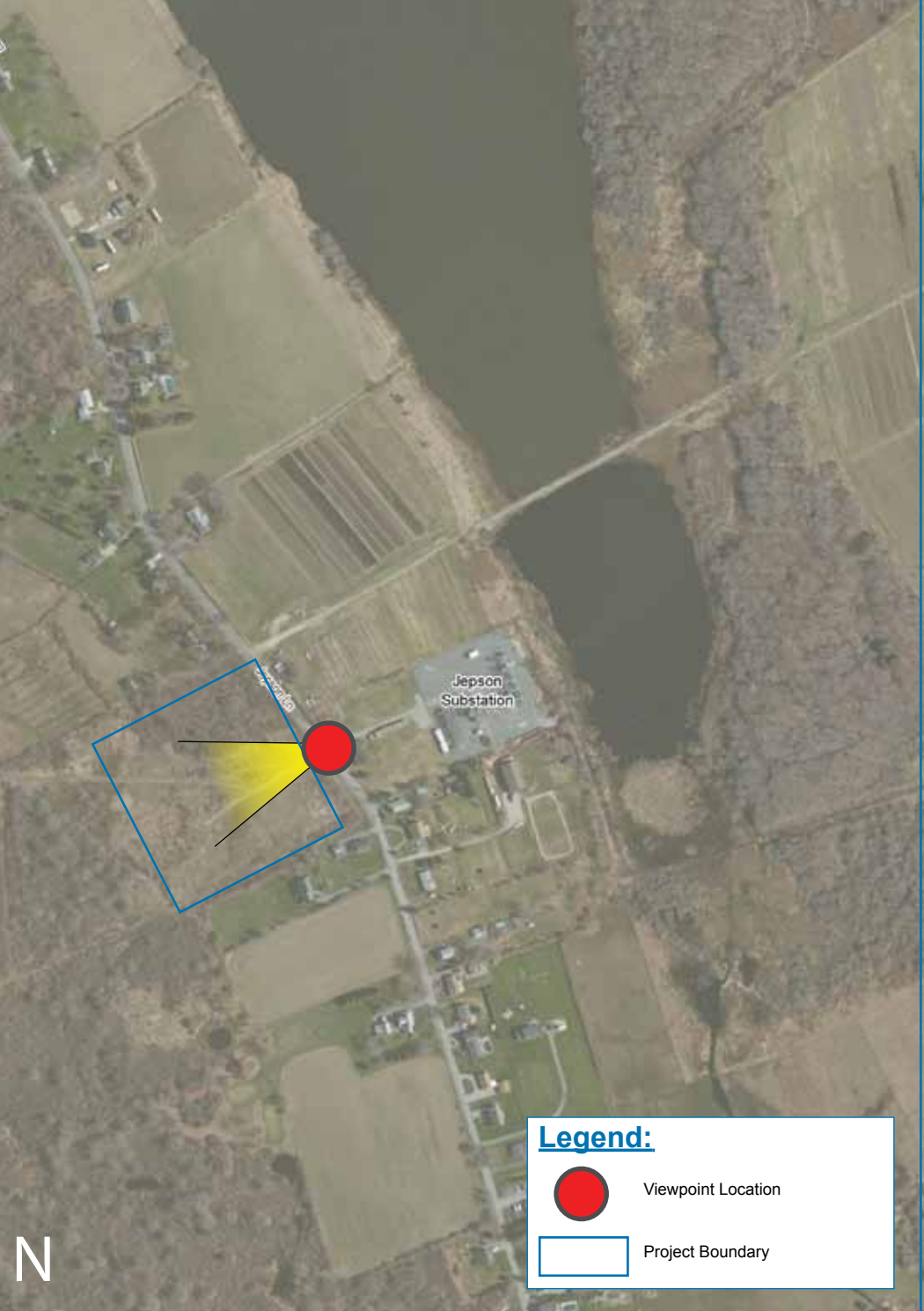
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Prepared For: Prepared By:

