

**nationalgrid**

November 29, 2016

*Via Hand Delivery*

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 –  
2017 Master Construction Plan**

Dear Todd:

Enclosed please find one original and nine copies of National Grid's 2017 Master Construction Plan for filing with the Energy Facility Siting Board. Please time-stamp the extra copy of this letter and Plan and return with the courier.

Please give me a call if you have any questions.

Regards,



Bess Beikoussis Gorman  
Assistant General Counsel

Enclosure

cc: Patricia S. Lucarelli, Esq.  
Peter V. Lacouture, Esq.  
Ms. Diedre Matthews

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## 2017 MASTER CONSTRUCTION PLAN

### **The Narragansett Electric Company d/b/a National Grid**

#### **Introduction**

In 1992, the Rhode Island General Assembly amended § 42-98-8(A)(4) to require an applicant for a license for a major energy facility to include in its application information to demonstrate the need for the proposed facility “under the statewide master construction plan submitted annually.” In amendments to its Rules of Practice and Procedure (“EFSB Rules”) dated December 2, 1993, the Energy Facility Siting Board (the “EFSB”) adopted a new § 1.35 which requires the filing of an annual statewide master construction plan within ninety (90) days of the adoption of the amended regulations and on every subsequent December 1. The plan must contain “a brief and concise description of any major energy facilities which the filing party proposes to construct in the succeeding two years.”<sup>1</sup> Several of the new transmission tap lines and transmission line relocations listed herein will be permitted under Section 1.6(c) of the EFSB Rules and should not be considered major energy facilities. This is the Master Construction Plan for Calendar Year 2017 for The Narragansett Electric Company d/b/a National Grid (“National Grid”).

#### **Aquidneck Island Project (Pending before the EFSB as Docket SB-2016-01)**

- Construct a new Jepson Substation on the west side of Jepson Lane in Middletown.
- Modify the Dexter Substation in Portsmouth to reconfigure to 115 kV operation.
- Rebuild and upgrade 4.5 miles of the 69 kV 61/62 Lines to 115 kV between Dexter Substation and the new Jepson Substation.
- Relocate the existing 69 kV 63 Line to accommodate the construction of the new Jepson Substation.

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<sup>1</sup> EFSB Rules of Practice and Procedure § 1.35 (Effective Date: April 11, 1996).

- Temporarily relocate portions of the 115 kV M13 and L14 Lines in the vicinity of the Dexter Substation in Portsmouth to accommodate modifications to the substation. Construction of this project is expected to commence in 2018.

### **Clean River Energy Center (“CREC”) Interconnection**

The Burrillville Interconnection Project and CREC-related network upgrades described below are required to support the interconnection of the proposed CREC into the New England electric grid. Construction of these projects is expected to commence in 2017 and 2018, as required by the CREC project.

- Burrillville Interconnection Project —
  - Construct a new approximately 6.8 mile 345 kV transmission line (3052 Line) from the proposed CREC to the Sherman Road Switching Station in Burrillville.
  - Reconstruct approximately 1.6 miles of the 345 kV 341 Line within the existing ROW to accommodate the 3052 Line.
  - Relocate approximately 1.6 miles of the 345 kV 347 Line within the existing ROW to accommodate the 3052 Line.
  - Modify the Sherman Road Switching Station to accommodate the 3052 Line.
  - Relocate the last span of the 345 kV 328 Line into the Sherman Road Switching Station to accommodate the 3052 Line.
- CREC-related Network Upgrades —
  - Reconductor approximately 0.1 miles of the 115 kV T-172N West Farnum Tap Line in North Smithfield.
  - Reconductor approximately 0.1 miles of the 115 kV S-171N West Farnum Tap Line in North Smithfield.
  - Uprate approximately 1.0 miles of the 115 kV K-189 Line from Kent County Substation to Drumrock Substation in Warwick
  - Reconductor approximately 1.0 miles of the 115 kV G-185N Line from Kent County Substation to Drumrock Substation in Warwick.
  - Reconductor approximately 3.6 miles of the 115 kV H-17 Line from Farnum Tap in North Smithfield to Riverside Substation in Woonsocket.
  - Reconductor approximately 10.0 miles of the 115 kV R-9 Line from Riverside Substation in Woonsocket to Valley Substation in Cumberland.

### **Other Projects**

#### **Alteration of Existing Transmission Lines**

- Reconstruct 1.2 miles of the 115 kV E-183 Line from East Providence (vicinity of Phillipsdale tap) to Providence (Franklin Square Substation). This project will convert this line segment from overhead line to underground cable. Construction

of this project is expected to commence in 2018 or later, depending on funding and scheduling issues. This case is pending before the EFSB as Docket SB-2003-01.

- Relocate 115 kV T1, T2 and T3 overhead Lines between Franklin Square and South Street substations in Providence into an underground configuration (less than 2,000 feet.) This project was approved by the EFSB on June 28, 2016 in Docket SB-2016-02. Construction of this project commenced in 2016.

#### Construction of New Transmission Lines

- Construct a new 115 kV loop line from the existing 115 kV 1870S Line into the new Chase Hill Substation in Hopkinton. This project was approved by the EFSB on June 2, 2015 in Docket SB-2015-02. Construction of this project commenced in 2016 and will be completed in 2017.

Construct a new 115 kV tap line from the 115 kV T-172S Line into the new New London Avenue Substation to be constructed in Warwick. The tap line will be several hundred feet in length. This project was approved by the EFSB on November 16, 2015 in Docket SB-2015-05. Construction of this project commenced in 2016.

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