

Mark R. Rielly
Acting Assistant General Counsel &
Director



December 4, 2019

BY E-FILE Kathleen.Mignanelli@puc.ri.gov
and BY HAND DELIVERY

Kathy Mignanelli, Coordinator
Energy Facility Siting Board
89 Jefferson Boulevard
Warwick, RI 02888

Re: The Narragansett Electric Company d/b/a National Grid and National Grid LNG,
LLC – 2019 Master Construction Plans

Dear Kathy:

Enclosed please find for filing with the Energy Facility Siting Board: (1) one original and nine copies of the 2020 Master Construction Plan of The Narragansett Electric Company d/b/a National Grid; and (2) one original and nine copies of the 2020 Master Construction Plan of National Grid LNG, LLC. Please time-stamp the extra copy of this letter and return with the courier.

Please give me a call if you have any questions.

Regards,

A handwritten signature in blue ink that reads "Mark R. Rielly".

Mark R. Rielly
Acting Assistant General Counsel

Enclosures

cc: Ms. Patti Lucarelli (*by email* Patricia.Lucarelli@puc.ri.gov)
Celia O'Brien, Esq. (*by email*)
Ms. Joanne Scanlon (*by email*)

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2020 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.”¹ 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 2020 for The Narragansett Electric Company d/b/a National Grid (“National Grid”).

Aquidneck Island Reliability Project (Docket SB-2016-01)

EFSB Order issued August 18, 2017. Construction of this project commenced in 2018 and is expected to extend into the first quarter of 2021. The project components include:

- 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; and
- 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.

Alteration of Existing Transmission Lines

- Realign the Q-143, R-144, S-171N and T-172N transmission line connections to the existing Woonsocket Substation. The realignments will allow the Q-143 and R-144 lines to be connected to a new termination structure at the Woonsocket Substation. This project was approved by the EFSB on March 27, 2018 in Docket SB-2018-01. The transmission line work has been completed; the Company anticipates completing the remaining substation work by June 2020.

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

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- Reconductor approximately two miles of the Q-143 and R-144 115 kV underground transmission lines from the Admiral Street Cable Terminal to Manhole #31 on Dollar Street in Providence, Rhode Island. Permitting is underway and construction is anticipated to start in April 2020.
- Reconductor approximately 0.6 miles of the J16S Line between the Staples and Highland Park Substations in Cumberland. Permitting is expected to commence this winter and construction is anticipated to start in 2021.
- Rebuild approximately 4.8 miles of the V148S transmission line between Washington #126 Substation in Lincoln and Structure 46 near the Rhode Island/Massachusetts state line, including structure replacement, reconductoring and installation of optical ground wire. Permitting is expected to commence in 2020, with construction is anticipated to start in 2022.

Construction of New Transmission Lines

- Construct a new 115 kV loop from the L190 Line into the new Wickford Junction Substation to be constructed in North Kingstown. The tap will be less than 1,000 feet in length. Permitting is underway, with construction scheduled to begin in 2020.
- Construct a new 115 kV tap line from the X3 and T7 lines into the new Durnell Park Substation to be constructed in the City of Pawtucket. Permitting is underway, with construction scheduled to start January 2020.
- Construct a new 115 kV tap line from the H17 Line into a new customer-owned substation at Iron Mine Hill Road in North Smithfield to interconnect solar arrays. Permitting is expected to commence in early 2020, with construction on the tap line scheduled to begin in the fall of 2020.
- Construct two new 115 kV tap lines from the Q-143 and R-144 lines to a new Admiral Street Substation in Providence, RI. Permitting is expected to commence in 2020, with construction scheduled to start in March 2022.

Construction of New Natural Gas Distribution Lines

- Construct approximately 5.1 miles of natural gas distribution main from West Warwick south of the Cranston Take Station to a district regulator station at the end of the new pipeline in East Greenwich. The main will consist of 20-inch steel designed for a Maximum Allowable Operating Pressure (MAOP) of 200 psig and constructed to be In-Line Inspected (ILI). Permitting was completed in 2019. Construction began spring 2019 and is expected to be completed by 2023.

December 4, 2019

2020 MASTER CONSTRUCTION PLAN

National Grid LNG, LLC

Introduction

In amendments to its rules and regulations in December 2, 1993, the Energy Facility Siting Board (“EFSB”) adopted a new § 1.35 which requires the filing of an annual statewide master construction plan for proposed major energy facilities. The plan must be filed 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.” This is the Master Construction Plan for Calendar Year 2020 for National Grid LNG, LLC.

Fields Point Liquefaction Project

National Grid LNG, LLC (“NGLNG”) owns and operates a liquefied natural gas (“LNG”) storage facility located in Providence, Rhode Island that is under the jurisdiction of the Federal Energy Regulatory Commission (“FERC”) and is used by its three firm storage customers for peak-shaving. NGLNG filed an application with the FERC under Section 7(c) of the Natural Gas Act for authorization to add liquefaction capability to its existing LNG storage facility (the “Fields Point Liquefaction Project” or “Project”).¹ On June 22, 2015, NGLNG filed its request for approval to use FERC’s pre-filing procedures. On July 2, 2015, FERC approved NGLNG’s request to begin the Pre-Filing review process. NGLNG’s Section 7(c) Certificate Application was accepted by FERC in April 2016.

The LNG storage facility is located in an industrialized area and has been used for LNG storage since 1974. The existing LNG storage facility does not have liquefaction capability and only receives LNG by truck. The stored LNG is then vaporized for redelivery to the customers via pipeline, although there is the capability to redeliver to the customers’ trucks. The storage facility is physically connected to the distribution system of The Narragansett Electric Company d/b/a National Grid downstream of one of its city-gate interconnections with the Algonquin Gas Transmission System. The distribution system of The Narragansett Electric Company is used for redelivery by displacement to the Algonquin Gas Transmission system.

The Project will not modify or replace the existing LNG storage tank. NGLNG proposes to install one natural gas liquefaction train. The liquefaction system will employ an electric driven, closed loop, nitrogen refrigeration cycle process to convert natural gas, supplied by the existing gas utility infrastructure, into liquid before storing it in the existing LNG storage tank. FERC issued the Certificate approving the Project on October 17, 2018, and NGLNG commenced construction in early 2019. Project construction is expected to be complete in or around December 2021.

December 4, 2019

¹ The Project is subject to exclusive FERC jurisdiction and, pursuant to R.I. Gen. Laws § 42-98-15, is not subject to EFSB jurisdiction.

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