

March 25, 2010

VIA HAND DELIVERY & ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

**RE: Docket 4111 – Review of Proposed Town of New Shoreham Project
Pursuant to RI General Laws § 39-26.1-7
Responses to Record Requests**

Dear Ms. Massaro:

Enclosed please find ten (10) copies of the National Grid's¹ response to Record Request 9.

This transmittal completes the Company's responses to the Record Requests that were issued at the Commission's Evidentiary Hearings in the above-captioned proceeding.

Thank you for your attention to this filing. If you have any questions, please feel free to contact me at (781) 907-2121.

Very truly yours,



Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4111 Service List
Leo Wold, Esq.

¹ Submitted on behalf of The Narragansett Electric Company d/b/a National Grid ("Company").

Certificate of Service

I hereby certify that a copy of the cover letter and/or any materials accompanying this certificate were electronically submitted, hand delivered and mailed to the individuals listed below.



Joanne M. Scanlon
National Grid

March 25, 2010
Date

**National Grid – Review of Proposed Town of New Shoreham Project
Docket No. 4111 - Service List Updated 3/17/2010**

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Record Request #9

Request:

How can the Commission be sure that a 500 kcmil circuit is appropriate for the long-range load growth of New Shoreham, particularly given that the load and the consumption on Block Island is highly constrained due to principles of price elasticity and demand?

Response:

HDR Engineering, Inc. ("HDR") was retained by Block Island Power Company to conduct a long-range planning study for the Town of New Shoreham (Block Island). In 2007, HDR completed this study, which is entitled "Electric Resource Planning Study" (the "HDR Study") and available on the Commission's website:

<http://www.ripuc.org/eventsactions/docket/3900-BIPCO-IRPStudy%282-4-08%29.pdf>

The HDR Study is the only study available to National Grid regarding projected peak summer demand load for Block Island. Based on this study, the projected peak summer demand load (optimistic scenario) for Block Island is 10.22 MW in 2026. The 500 kcmil copper cable has a rating of approximately 500 Amps (or 30 MVA), which would provide approximately three (3) times the capacity to handle the 2026 projected peak summer demand load. The 750 kcmil copper cable has a rating of approximately 600 Amps (or 36 MVA), which would provide approximately three and one-half (3.5) times the capacity to handle the 2026 projected peak summer demand load. Please note the cable ratings provided in this response are approximate; actual cable ratings will depend on actual installation parameters.