

May 22, 2017

VIA HAND DELIVERY AND ELECTRONIC MAIL

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

**RE: Docket 4628 – National Grid’s Company-Owned LED Street Lighting Proposal
May 2017 Quarterly Report**

Dear Ms. Massaro:

Pursuant to the Public Utilities Commission’s (PUC) Order No. 22672 in Docket No. 4628, National Grid¹ submits this first quarterly report to update the PUC and the Division of Public Utilities and Carriers (Division) regarding the Company-Owned LED Street Lighting Proposal.

1. LED Street Light Conversions

As of April 2, 2017, 12 municipalities have purchased their street lighting equipment, which represents 32 percent of the total municipalities served by National Grid. Four of those municipalities have reported the conversion of the existing street lights to LED fixtures, which represents 11 percent of the total municipalities served by National Grid. The total number of street lights in Rhode Island exchanged for LED fixtures is approximately 24,000, which represents 59 percent of the total customer-owned unmetered street and area lights.

Specifically, Barrington has converted 95 percent of its town-owned street lights to LED fixtures (1,703 lights); Bristol has converted 92 percent of its town-owned street lights to LED fixtures (2,040 lights); Cranston has converted 73 percent of its city-owned street lights to LED fixtures (9,509 lights); and Providence has converted 80 percent of its city-owned street lights to LED fixtures (13,494 lights).

To date, no Company-owned street lights have been converted to LED fixtures.

2. Pilot Metering Program

National Grid is currently conducting laboratory testing (Phase 1, Stage 1) and field testing (Phase 1, Stage 2) in the Proceeding to Establish a Pilot Metering Program for Municipal-Owned Streetlights in Docket No. 4513. Laboratory testing and the physical application set up for the planned end-to-end (meter farm) testing is underway to test street lights with meters in a controlled laboratory environment. National Grid is also collaborating with the Rhode Island Department of

¹ The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

Transportation to conduct field testing of metered units for billing comparison. Laboratory and field testing are expected to continue through August 2017. At this point, National Grid does not have enough information to consider whether the evaluation would support an amendment to the Company-Owned Streetlighting tariffs to include advanced lighting controls.

3. LED Conversion Cap

To date, the Division has not notified National Grid of any complaints regarding the 10 percent LED conversion cap.

Thank you for your attention to this matter. If you have any questions, please contact me at 401-784-7415.

Very truly yours,



Robert J. Humm

cc: Docket 4628 Service List
Leo Wold, Esq.
Steve Scialabba, Division

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.



Joanne M. Scanlon

May 22, 2017
Date

Docket No. 4628 - National Grid – Company-Owned LED Streetlighting Proposal

Service List updated 8/15/16

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