

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
PUBLIC UTILITIES COMMISSION

IN RE: Review of the Narragansett  
Electric Co. d/b/a National Grid  
Rate Design Pursuant to RIGL § 39-26.6-24

Docket No. 4568

**CONSERVATION LAW FOUNDATION'S**  
**DATA REQUESTS (FIRST SET) DIRECTED TO**  
**NARRAGANSETT ELECTRIC COMPANY D/B/A NATIONAL GRID**

Issued August 13, 2015

Definitions

“Distribution Cost Impact” means the anticipated shift in National Grid’s distribution cost recovery from DG Customers to customers without DG.

“DG Customer” means a customer with qualified Distributed Generation under the provisions of the Renewable Energy Growth Program, Chapter 26.6 of Title 39 of the Rhode Island General Laws.

“National Grid” means Narragansett Electric Company d/b/a National Grid.

“The Statute” means the Renewable Energy Growth Program statute, R. I. Gen. Laws § 39-26.6-1, et seq.

Questions about Tiered Customer Charge Proposal

1. Are the proposed tiers based on gross or net consumption?
2. How will a customer’s tier be initially established when the new rates come into effect? Please describe from the point of view of: (a) a non-DG customer; (b) a customer who installed DG within the last 1-3 years; and (c) a customer who installed DG more than three years ago.
3. If tiers are based on gross consumption, how will gross consumption be established for net metered customers with only one meter?
4. (a) National Grid stated that its overall rate design proposal limits bill impacts for residential (A-16) and small C&I (C-06) customers to +/- 5%. [Zschokke/Lloyd

Testimony, 7/31/15, page 12, lines 13-14; page 24, lines 13-16.] Is this true for both DG and non-DG customers?

(b) Please provide a comparison of the net effect on a DG customer's bill with and without the proposed design.

5. Please provide a PV forecast for the Rhode Island load zone with and without the proposed rate design changes including all assumptions used to establish the forecasts. Please provide this forecast on a year-by-year basis for the next six years.

6. Please provide the facts and/or analysis that indicates to Grid that electricity consumption is generally a good proxy for demand.

7. Please provide net demand profiles under a range of consumption levels and PV system sizes.

8. Please describe the peak for which this proposal is designed to find a proxy (i.e., system peak or circuit peak)?

9. Please provide the cost basis and any analysis National Grid has done to support setting the Tiered Customer Charges at \$5.25, \$8.50, \$13.00, and \$18.00 for the residential customers and \$10.50, \$11.75, \$17.50, and \$26.00 for small C&I customers.

10. Please provide any analysis National Grid has done regarding the impact of the tiers it has proposed on a customer's incentive to reduce demand and realize a lower fixed charge?

#### Questions about the Proposed Access Fee

11. Please clarify the definition of "stand-alone" DG facilities. Would the proposed Access Fee would be levied on all DG facilities participating in any program (including Qualifying Facilities, net-metered facilities, Renewable Energy Growth Program facilities and DG Standard Contracts projects) or only on those DG facilities with no associated on-site load?

12. Please provide the cost basis and any analysis National Grid has done to support setting the Access Fee at \$5.00 per kW-month for the primary voltage level and \$7.25 per kW-month for the secondary voltage level.

13. (a) National Grid stated that its overall rate design proposal limits bill impacts for residential (A-16) and small C&I (C-06) customers to +/- 5%. [Zschokke/Lloyd Testimony, 7/31/15, page 12, lines 13-14; page 24, lines 13-16.] Does this hold true

when both the proposed tiered customer charge and the proposed Access Fee are included in the calculation?

(b) Please provide a comparison of customer bills in the A-16 rate class for customers whose gross consumption is 500 kWh/mo., 1,000 kWh/mo., and 1,500 kWh/mo., each of whom produce 50% of their gross consumption from an eligible DG source.

(c) Please provide a comparison of customer bills in the C-06 rate class for customers whose gross consumption is 1,000 kWh/mo., 2,000 kWh/mo., and 3,000 kWh/mo., each of whom produce 50% of their gross consumption from an eligible DG source.

#### Questions about Metering

14. Does National Grid plan to install second meters for REG program participants? If yes, what kind of meters does National Grid propose to install as the second meter? Please describe the factors behind that decision, including cost, technology, and public acceptance.

15. Is National Grid willing to use DG production data from customer/DG installer meters rather than incur the expense of installing additional National Grid meters? If not, please explain why.

#### Questions about the Distribution Cost Impact of the Renewable Energy Growth Program

16. Please quantify the Distribution Cost Impact resulting from the Renewable Energy Growth Program by affected rate class for each year of the program, assuming that the statutory build-out target for each year of the program, as provided in Section 12(c) of the Statute, is met. The response should show the Distribution Cost Impact of each separate renewable energy category under the REG program (see the Statute, Section 7, for definitions of categories) for each year of the program and explain how that cost impact will be allocated across the relevant rate classes.

17. Based on the responses to #16, what is the per-customer Distribution Cost Impact of the Renewable Energy Growth Program by affected rate class for each year of the program, 2015 through 2019?