

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
PUBLIC UTILITIES COMMISSION

IN RE: REVIEW OF THE NARRAGANSETT :
ELECTRIC COMPANY d/b/a NATIONAL GRID : DOCKET NO. 4568
RATE DESIGN PURSUANT TO R.I. GEN. LAWS § 39-26.6-24 :

COMMISSION'S FIRST SET OF DATA REQUESTS
DIRECTED TO NATIONAL GRID (National Grid or Company)
(Issued August 14, 2015)

- PUC-1-1. Please explain the concept of a kw-month. How is it measured?
- PUC-1-2. There are customers who will only fall within a tier for one month but then use significantly less in the remaining 11 months. Please revise NG-13 to provide for a direct comparison of customers within each tier using 250 kWh per month, 350 kWh per month, 500 kWh per month, 600kWh per month, 750 kWh per month, 1,000 kWh per month, and 1200 kWh per month in all applicable tiers.
- PUC-1-3. Please provide the number and kW of all current DG and Net Metering customers as of the end of the most recent 12-month period (please identify the date used).
- PUC-1-4. Please provide the annual lost kWh sales from DG and net metering customers for the most recent 12-month period (please identify the date used).
- PUC-1-5. Please identify the annual lost revenues from DG and net metering customers for the most recent 12-month period (please identify the date used).
- PUC-1-6. Please provide all the analysis used by National Grid to support the shift from 18% fixed costs to 40% fixed costs in the residential rate design, 24% to 40% in the C-06 rate design and 84% to 90% in the G-02 rate design.
- PUC-1-7. Please provide the percentage of (a) A-16 customers who will be placed in a higher tier because of one month's usage; and (b) C-06 customers who will be placed in a higher tier because of one month's usage.
- PUC-1-8. Using ten residential customers who fall within Tier 2 for all months but one (where the one month places them into Tier 4), please provide the difference in their annual charges if they were to reduce that one month of usage to be charged under Tier 2. Please do the same for those who fall within Tier 3 for all months but one. Please ensure that no more than one of the ten customers are in the top usage level of the bottom tier and the bottom usage level of the top tier (i.e., a customer with 700 kWh per month for 11 months and 800 kWh in month 12).
- PUC-1-9. Please provide some of the types of activities of the residential customers within the response to PUC-1-7 that may be addressed in order to place those customers

into the lower tier. Using the current energy efficiency programs, what types of programs and/or incentives may be provided to those customers, what is the cost and payback period to those customers under (a) the current pricing structure and (b) the proposed pricing structure?

- PUC-1-10. How does the Company anticipate the proposed pricing structure will affect the Total Resource Cost test used in evaluating the value of the energy efficiency program?
- PUC-1-11. How does the Company anticipate the proposed pricing structure to affect the design of the energy efficiency program?
- PUC-1-12. Please provide the costs of the various types of meters that the Company currently uses for customers in each rate class, including cost of installation and other relevant costs (please identify the other relevant costs). See: [http://www.ripuc.org/eventsactions/docket/4549-NGrid-RRs\(5-15-15\).pdf](http://www.ripuc.org/eventsactions/docket/4549-NGrid-RRs(5-15-15).pdf). Please reconcile this with the amount contained on Schedule NG-2 in Docket No. 4542. [http://www.ripuc.org/eventsactions/docket/4542-NGrid-REGFactor-Supp\(5-22-15\).pdf](http://www.ripuc.org/eventsactions/docket/4542-NGrid-REGFactor-Supp(5-22-15).pdf).
- PUC-1-13. Is there a demand meter on the market smaller than the one listed on RR-3 in Docket No. 4549? [http://www.ripuc.org/eventsactions/docket/4549-NGrid-RRs\(5-15-15\).pdf](http://www.ripuc.org/eventsactions/docket/4549-NGrid-RRs(5-15-15).pdf). If so, what is the cost?
- PUC-1-14. For each month, please indicate the number and percentage of A-16 customers who have their highest usage that month.
- PUC-1-15. For each month, please indicate the number and percentage of C-06 customers who have their highest usage that month.
- PUC-1-16. Please provide the month of the system peak, the month of the system peak for each customer class.
- PUC-1-17. Will the move to revenue recovery through a higher percentage of fixed costs be expected to reduce adjustment through the revenue decoupling mechanism? How will this be impacted by the new Access Fee?
- PUC-1-18. Please explain how the proposed Access Fee will affect current standalone DG projects. What additional costs will each face. How many are operational? How many will be operational in the next twelve months? Please provide without any identifying customer information.
- PUC-1-19. Please provide an analysis of the A-16 residential customers to justify the use of 500 kWh as a typical residential customer.

- PUC-1-20. Please provide all documents and plans to educate customers, explaining how each customer class will be targeted.
- PUC-1-21. National Grid has proposed an Access Charge for standalone DG projects. On page 64 of the Company's initial filing, National Grid stated: "While an optimum solution would be to measure the DG facility's maximum use of the system, as measured by the energy generated and exported onto the distribution system, none of the Company's tariffs provides for such an application and measurement and billing of demand based on electricity exported onto the distribution system." Why wouldn't National Grid use this opportunity to propose the optimal solution at this time when project developers rely on current rates as part of their analysis of the investment value of a project? If the current proposal is not the optimal solution, please justify how it is reasonable.
- PUC-1-22. Please calculate lost revenues if all A-16 customers were to reduce consumption down one tier in July. Please calculate the resulting decoupling charge. Please also calculate the increased energy efficiency charge to maintain the current budget. Please explain all assumptions.
- PUC-1-23. Given the proposed change in Rate A-16, is the subsidy afforded to the A-60 customers still expected to result in a 50% discount off of the A-16 distribution charges?
- PUC-1-24. Have any other public utility regulatory agencies approved a rate structure for residential and/or small commercial customers using kWh charges to approximate a demand charge as is proposed by National Grid where the customers pay a tiered rate based on their highest month of usage? If so, has the utility installed advanced metering systems? Please identify the utilities and links to any regulatory orders approving such rates.
- PUC-1-25. Please explain how the Massachusetts Electric Company distribution rates are designed for residential customers.
- PUC-1-26. Please explain how the National Grid New York distribution rates are designed for residential customers.
- PUC-1-27. Are there any residential or small commercial customers in the Massachusetts Electric Company or National Grid New York service territories with demand meters (outside of the Worcester pilot)?
- PUC-1-28. For each customer currently taking service under Rate G-62, please show their individual bill impact when moved to the proposed Rate G-32. Please number the customers rather than using identifying information.
- PUC-1-29. Please indicate what analysis the Company has conducted regarding the economic development impact the consolidation of Rates G-62 with G-32 will have.

- PUC-1-30. Will combining Rate G-62 with Rate G-32 as proposed provide any disincentive to companies that offer manufacturing jobs locating to Rhode Island?
- PUC-1-31. Is the Navy still on Rate G-62? If so, has the Company considered the effect of moving the Navy from G-62 to G-32? What effect will the proposed consolidation have on the Navy's annual electricity costs?