

July 11, 2020

**VIA E-FILING**

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

**Re: In Re: Commission's Review of the Benefits and Costs of Net Metering Credit Calculation Pursuant to R.I. Gen. Laws § 39-26.4-3: Docket No. 5010**

Dear Ms. Massaro:

On behalf of The Narragansett Electric Company d/b/a National Grid (the Company), enclosed for filing with the Rhode Island Public Utilities Commission (the Commission) please find the Company's responses to the third set of data requests issued by the Commission. This filing was delayed by a technical issue with formatting the attachments to the Company's response to PUC 3-2.

Consistent with the instructions issued by the Commission on March 16, 2020, this filing is being made electronically only. Hard copies will be submitted after the termination of the State of Emergency.

If you have any questions, please contact me at: 781-907-2126. Thank you for your time and attention to this matter.

Very truly yours,



Laura C. Bickel  
RI Bar # 10055

Enclosures

cc: Docket No. 5010 Service List

**Docket No. 5010 Service List as of 6/13/2020**

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The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 5010  
In Re: Benefits and Costs of Net Metering Credit Calculation  
Responses to Commission's Third Set of Data Requests  
Issued on June 3, 2020

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PUC 3-1

Request:

National Grid publishes class-average hourly 8760 load data (referred to as “class average load shapes”) on its Wholesale Energy Supply Extranet webpages ([www9.nationalgridus.com](http://www9.nationalgridus.com)). At present, annual class average load shapes are available to download for the following years: 2011, 2012, 2017, 2018, and 2019. In machine-readable csv format, please provide all available annual class average load shapes dating back to 2000, minus the aforementioned years currently available online.

Response:

Please see the attached file in the requested in .csv format (PUC 3-1 Attachment), which lists annual class average load shapes for years 2000 – 2010, and 2013 - 2016. The Company uses these Class Average Load Shapes to complete its Electric Rate Case Cost of Service Studies. These data are valid for estimating Rate Class demand during peak demand periods.

PUC 3-2

Request:

Please provide the following data in machine-readable, csv tabular format for each customer account that is linked to a behind-the-meter net metering facility whose authority to interconnect was issued prior to January 1, 2020. Please group your responses into four separate csv tables, one file for customers whose net metering applications were processed using each of the four annual usage estimation methods listed above. Where each net metering customer account will constitute a row in the csv data table, provide the following:

**File #1:** customers with behind-the-meter net metering facilities that were approved using annual load estimation method 1:

- Columns (1-36): monthly usage data (kWh) for the 36 months immediately preceding the month of interconnection application filing, in the following order:
  - Column 1: monthly usage (kWh) from 36<sup>th</sup> month prior to month of interconnection application filing
  - Column 2: monthly usage (kWh) from 35<sup>th</sup> month prior to month of interconnection application filing
  - Column 3: monthly usage (kWh) from 34<sup>th</sup> month prior to month of interconnection application filing
  - Column 4: monthly usage (kWh) from 33<sup>rd</sup> month prior to month of interconnection application filing
  - Column 5: monthly usage (kWh) from 32<sup>nd</sup> month prior to month of interconnection application filing
  - Column 6: monthly usage (kWh) from 31<sup>st</sup> month prior to month of interconnection application filing
  - Column 7: monthly usage (kWh) from 30<sup>th</sup> month prior to month of interconnection application filing
  - Column 36: monthly usage (kWh) from 1<sup>th</sup> month prior to month of interconnection application filing (Column 37)
- Column (37): month and year that customer's net metering interconnection application was filed (this should be the date that columns 1-36 all correspond to for each customer)
- Column (38): customer rate class
- Column (39): system capacity of the net metering facility (kWac)
- Column (40): month authority to interconnect was issued for the net metering facility
- Column (41): fuel type of the net metering facility
- Column (42): town in which the customer account is located
- Column (43): Facility ID number (as listed in the Net Metering Report from Docket No. 5005)

**File #2:** customers with behind-the-meter net metering facilities that were approved using annual load estimation method 2:

- Columns (1-12): monthly usage data (kWh) for the 12 months immediately preceding the month of interconnection application filing, in the following order:
  - Column 1: monthly usage (kWh) from 12<sup>th</sup> month prior to month of interconnection application filing
  - Column 2: monthly usage (kWh) from 11<sup>th</sup> month prior to month of interconnection application filing
  - Column 3: monthly usage (kWh) from 10<sup>th</sup> month prior to month of interconnection application filing
  - Column 4: monthly usage (kWh) from 9<sup>rd</sup> month prior to month of interconnection application filing
  - Column 5: monthly usage (kWh) from 8<sup>nd</sup> month prior to month of interconnection application filing
  - Column 6: monthly usage (kWh) from 7<sup>st</sup> month prior to month of interconnection application filing
  - Column 7: monthly usage (kWh) from 30<sup>th</sup> month prior to month of interconnection application filing
  - Column 12: monthly usage (kWh) from 1<sup>th</sup> month prior to month of interconnection application filing
- Column (13): month and year that customer's net metering interconnection application was filed (this should be the date that columns 1-12 all correspond to for each customer)
- Column (38): customer rate class
- Column (39): system capacity of the net metering facility (kWac)
- Column (40): month authority to interconnect was issued for the net metering facility
- Column (41): fuel type of the net metering facility
- Column (42): town in which the customer account is located
- Column (43): Facility ID number (as listed in the Net Metering Report from Docket No. 5005)

**File #3:** customers with behind-the-meter net metering facilities that were approved using annual load estimation method 3:

- Columns (1-36): monthly usage data (kWh) for 36 months preceding the month of interconnection application filing (either from current customer or prior resident), in the following order:
  - Column 1: monthly usage (kWh) from 36<sup>th</sup> month prior to month of interconnection application filing
  - Column 2: monthly usage (kWh) from 35<sup>th</sup> month prior to month of interconnection application filing
  - Column 3: monthly usage (kWh) from 34<sup>th</sup> month prior to month of interconnection application filing

The Narragansett Electric Company  
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- Column 4: monthly usage (kWh) from 33<sup>rd</sup> month prior to month of interconnection application filing
- Column 5: monthly usage (kWh) from 32<sup>nd</sup> month prior to month of interconnection application filing
- Column 6: monthly usage (kWh) from 31<sup>st</sup> month prior to month of interconnection application filing
- Column 7: monthly usage (kWh) from 30<sup>th</sup> month prior to month of interconnection application filing
- Column 36: monthly usage (kWh) from 1<sup>th</sup> month prior to month of interconnection application filing
- Column (37): month and year that customer's net metering interconnection application was filed (this should be the date that columns 1-36 all correspond to for each customer)
- Column (38): customer rate class
- Column (39): system capacity of the net metering facility (kWac)
- Column (40): month authority to interconnect was issued for the net metering facility
- Column (41): fuel type of the net metering facility
- Column (42): town in which the customer account is located
- Column (43): Facility ID number (as listed in the Net Metering Report from Docket No. 5005)
- Column (44): notes field to explain the timing and origin of the 36 months of usage data (including which columns correspond to the prior resident vs. the current customer, and the months/years of their respective usage data sequences)

**File #4:** customers with behind-the-meter net metering facilities that were approved using annual load estimation method 4:

- Column (1): the customer's estimated average annual usage (kWh) calculated by National Grid (based on customer load sheet data) and used to approve their net metering interconnection application
- Column (2): month and year that customer's net metering interconnection application was filed
- Column (3): customer rate class
- Column (4): system capacity of the net metering facility (kWac)
- Column (5): month authority to interconnect was issued for the net metering facility
- Column (6): fuel type of the net metering facility
- Column (7): town in which the customer account is located
- Column (8): Facility ID number (as listed in the Net Metering Report from Docket No. 5005)

Response:

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 5010

In Re: Benefits and Costs of Net Metering Credit Calculation  
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Please see the attached .csv files, named PUC 3-2 File 1 through PUC 3-2 File 4, formatted as specified above. National Grid tracks application and system data separately from billing and production history, and combined account and premise information to categorize systems into each of the four scenarios. In order to determine which scenario a system best fit into, the Company evaluated four main criteria: Premise Number, which indicates a system's unique location independent of billing customer; Billing Account Number, which indicates a billing customer's usage/credits/generation at a given premise; Submission Date, which indicates a system's application date for the Net Metering program by the current billing customer at a given premise; and Bill Cycle End Date, which indicates the last date of production recorded for a billing account and its associated premise. For the purpose of this response, "months" and "billing cycles" will be used interchangeably, despite the Company completing 20 distinct billing cycles each calendar month.

File 1 includes all systems with the same Premise and Billing Account for all 36 months of billing history prior to the date of interconnection application filing (column 37). Average annual usage in this scenario is calculated based on the average of usage from each of the 36 months.

File 2 includes systems with a Billing Account Number that was the same at a premise for at least 12 billing cycles prior to the Submission Date of their Net Metering application. These projects may have had more than 12 billing cycles-worth of usage data, but they have less than 36 billing cycles of data available. Average annual usage in this scenario is calculated based on the latest year of usage by the current occupants of a site in order to reflect their habits most accurately.

File 3 includes systems with a Premise Number with at least 36 months of usage history available, but with less than 12 months of data for the Billing Account associated with the Net Metering Application. Usage data at the same premise, but by the previous Billing Account, is used to complete the 36 months of data needed to calculate average usage. This scenario also applies to Premises with less than 36 months of total usage history, with the best available usage history coming from two separate billing accounts. Average annual usage in this scenario is calculated based on available data from the customer who submitted a Net Metering application, as well as some usage by the preceding customer at the same premise. Column 44 could not be completed in the timeframe allotted, as it would require manual lookup of ownership change details for each of the 626 facilities on the list.

File 4 includes systems with 0 months of usage history prior to the Net Metering application date. These systems are often at newly constructed sites and/or do not have a billing history with the Company. This scenario may also apply to customers who have less than 12 months of usage history at the premise, but where the premise has no previous associated accounts. Average annual usage in this scenario is calculated based on the customer's completed system specification sheet.