

# Rhode Island Energy Efficiency

Second Quarter 2017 | National Grid

August 10, 2017

## Overview

National Grid had a strong first half of 2017 and is on track to achieve its planned savings for the year. The company initiated customer segmentation in the residential sector to reach more low income customers while in the C&I sector the company is hitting its stride with LED streetlight annual MWh savings of over 6,800 MWh in the second quarter. At the end of the second quarter the company achieved 50.6% of the electric savings goal and 41.6% of the gas savings goal.

On the residential side in the Home Energy Reports program, the company sent the first Non-AMI high usage alerts to 31,535 Rhode Island customers through the second quarter. In the residential HVAC program the company provided ongoing outreach and programmatic support to participating contractors and trade allies to ensure they had the knowledge to effectively communicate program offerings to customers and the technical expertise to offer quality installations.

On the commercial side, the Commercial Retrofit program led the way by achieving savings of 40,386 annual MWh (52% of the annual goal) and 73,595 MMBtu (39% of the annual goal). These savings were achieved through the completion of a large CHP project and also over 6,800 MWh of savings from LED Streetlight programs in Providence, Cranston, and Bristol. In addition, National Grid welcomed Jennifer Parsons as the new Commercial Upstream Program Manager. Jennifer has been reaching out to vendors to investigate joint promotions which can be leveraged.

In the second quarter the Rhode Island Energy Challenge held multiple stakeholder engagement meetings which contributed to the towns of Cumberland, Smithfield, and North Kingstown committing to surpass their home energy assessment goals, promote energy efficiency programs, and create energy awareness task forces.

In the company's EnergyWise program, 345 HEAT loans were completed through the second quarter for a total of \$1.9 million in loans. In addition, the program implemented new weatherization job scoring software and processes for improved and timelier reporting to independent insulation contractors, helping us to improve our efficiency by saving time and money.

Looking to the future of energy efficiency, over 250 Ecobee Lytes were installed in the second quarter due to an overwhelming response to last year's Ecobee demand response offering. National Grid's Connected Solutions is also adding NEST to the selection of wifi thermostats that are eligible to participate in Rhode Island's Connected Solutions pilot program.

Based on the continued strong results in the second quarter, National Grid is confident that 2017 will be another strong year for energy efficiency in Rhode Island.

## 2017 Program & Initiative Updates

### Residential New Construction (RNC)

- Residential New Construction saw a continued strong trend in the second quarter with 184 units completed during the second quarter, bringing the total so far in 2017 to 416 (achieving 76% of the goal of 550)
- 47 homes achieved Tier II (minimum of 31% savings over the program baseline) and 3 homes achieved Tier III (minimum of 45% savings over the program baseline).
- Approximately ½ of the projects heat with gas and half with electric, resulting in an increase in electric savings.
- 214 units enrolled in the program during the second quarter, bringing the total through the second quarter to 442, 80% of the overall goal for the year.
- Enrollment Highlights
  - Ministerial Road in Kingstown scored a HERS Index of 18 and achieved 54.3% savings over the program baseline without PV and 123.6% savings with the addition of 686 square feet of PV. The home has two ductless mini splits (33 and 26 SEER), a 3.24 EF heat pump water heater, Energy Star appliances and lighting, and a measured air leakage rate of 0.19 ACH50.
  - The West Broadway Neighborhood Association (WBNA) had advocated for nearly a decade to return an 1892 historic four room schoolhouse on Almy and Meader Streets in Providence to active use. As the population declined in the late 1950s and 1960s, so did the public school population. The Meader Street School was decommissioned by the City in the 1970s, then used as RI's Head Start Administration until 2000 at which point it became vacant. The schoolhouse is now listed on the Providence Preservation Society's Most Endangered Properties List. In 2015 WBNA received historic tax credits worth \$250,000 for the project and the schoolhouse is now being transformed into 10 residential rental units, 4 of which will be designated for affordable housing. The developer has planted grass, an orchard that includes apple, peach and plum trees, and built raised garden beds for future tenants.



### Income Eligible

- Three Weatherization Technical Committee Meetings took place during second quarter.
- The Weatherization Operations Committee was created to review and update the Operations Manual. The Committee, National Grid, DHS and Agencies, meets approximately every two weeks. The goal is to update the Manual and develop a training program for all Auditors and Monitors in the third quarter.
- The Best Practices Meeting was conducted on May 18, 2017. Guest speakers from the company's Customer Satisfaction Group presented information about National Grid's programs for arrears and budget plans.
- Each agency was provided with a midyear update on their budget and energy savings goals. A new pipeline reporting tool was developed and provided to CAPs to give clear direction on goals and opportunities.
- Implementation of the National Grid Background Check program continued in the second quarter, with an emphasis on specialty contractors (electricians, chimney service, disaster prep, etc.).
- The company participated in the following trainings and workshops:
  - A four-hour ASHRAE 2016 training and three-hour Rhode Island Energy Code training, co-presented, with Paul Raymer. Attendees included Auditors, Monitors and Program Managers.
  - The Mobile Home Weatherization training – (Presented by Jules Junker of ThermalWorks).
  - The Weatherization Policy Advisory Committee – (The annual meeting reviewing the DOE weatherization program).
  - The ACEEE Low Income Working Group webinar on Reaching Renters.

### EnergyWise

- 4,061 audits completed through the second quarter.
- The company attended several community events to promote EnergyWise including:
  - The Newport Chamber of Commerce
  - Fidelity Employee Event
  - JWU Sustainability Fair
  - Pawtucket/Central Falls Customer Connections Meeting,
  - The Providence Energy Fair
  - An Energy Fair.
- EnergyWise began a "summer sizzler" on 4/15 with a bonus of \$100 which was increased to \$200 on 6/1. The program will conclude on 8/31.
- EnergyWise began wifi thermostats installations during the second quarter.
- The program implemented new weatherization job scoring software and processes for improved and timelier reporting to independent insulation contractors.
- 345 HEAT loans were completed through the second quarter for a total of \$1.9 million in loans.

- 958 gas weatherization jobs completed through the second quarter. When including other fuels the total increases to 1,361.

### **EnergyWise and Income Eligible Multifamily**

- In the second quarter The Company awarded the Multifamily Market Rate, Multifamily Commercial Gas, and Income Eligible Multifamily program vendor contract to RISE Engineering after a thorough review of the program and a competitive Request for Proposal (RFP) process in the first quarter.
- The Company began the installation of heating systems for the 2017 program year under the Income Eligible gas budget.
- A large focus was placed on serving income eligible facilities heated with delivered fuels during the second quarter for multiple retrofit projects.
- For both Market Rate and Income Eligible programs the Company targeted numerous 1-4 unit geographically diverse sites under single ownership in order to support the program's pipeline.

### **ENERGYSTAR® Lighting and Appliances**

- A negotiated cooperative promotion was developed between Globe Electric and the Rhode Island Foodbank to support the distribution of LED A-line product two-packs to food bank customers.
- Support of customer outreach events included: Tessier's Hardware, an Earth Day event in Pawtucket, the URI Spring Festival in Kingston, CVS' Green Expo in Woonsocket, and staffing at the Rhode Island Home Show.
- For Appliances, there were two dehumidifier turn-in events at the Eco Depot in Johnston RI. One of these events was in conjunction with the Narragansett DPW, which brought in 129 units.
- A \$40 mail in rebate for room air conditioners also began in June.

### **ENERGYSTAR® HVAC (Heating and Cooling)**

- The company provided ongoing outreach and programmatic support to participating contractors and trade allies to ensure they had the knowledge to effectively communicate the program offering to customers, and the technical expertise to offer quality installations.
- The company also scheduled trainings and events with distributors and contractors in preparation for the upcoming heating season.

### **Home Energy Reports**

- Through the second quarter of 2017 the Home Energy Reports program saved 49,771 MMBTUs (84% of the annual goal) and 14,816 MWh (55% of the annual goal). The gas program continues to be on pace to exceed expectations.
- The company also sent the first Non-AMI high usage alerts to 31,535 customers through the second quarter.
- Customer segmentation was initiated to offer income eligible customers a relevant marketing experience in the Home Energy Report through driving to Rhode Island assistance programs.

- The Company paused its Points & Rewards component to review effectiveness.

## Community Initiatives

- In the second quarter the Rhode Island Energy Challenge held multiple stakeholder engagement meetings and appeared before town councils to encourage participation in the energy efficiency community engagement program.
- As a result of these efforts the towns of Cumberland, Smithfield, and North Kingstown have stepped forward and committed to surpassing their home energy assessment goals, promoting energy efficiency programs, and creating energy awareness task forces. A fourth community is being recruited in the third quarter

## Code Compliance Enhancement Initiative (CCEI)

- In the second quarter the RI building commission requested the ICC develop a benefit-cost analysis on the 2015 ICC family of codes.
- E. A. McNulty's new Sableswood North residential development in Lincoln RI. project is now in the RNC program. Insulation and air barrier details were examined in the shell home and attendees gained an understanding of the importance of testing at the rough stage. Participants observed and participated in both blower door and duct leakage tests.



- Presentations at Dryvit in West Warwick focused on areas including: how air and moisture move through and affect insulated structures, the science associated with occupant health and comfort, and long term building durability.
- Residential HVAC and IAQ (including ASHRAE 62.2.6 2016) training was provided for energy auditors and weatherization professionals who perform work for National Grid's Income Eligible program.

## Large Commercial New Construction

- In July the company welcomed Jennifer Parsons as the new Commercial Upstream Program Manager

- The new program manager is reaching out to vendors to investigate joint promotions which can be leveraged.

### **Large Commercial Retrofit**

- Large Commercial Retrofit is off to a strong start through the first half of 2017, already achieving savings of 40,386 MWh (52% of the annual goal) and 73,595 MMBtu (39% of the annual goal).
- Lighting sales continue to trend as usual through the second quarter.
- Street light incentives were paid for retainage in Bristol, Cranston and Providence.
- North Kingstown, South Kingstown, Narragansett and Warwick are planning to put out a joint RFP to purchase LED street lights. Given that none of these towns have purchased their street lights from National Grid yet this presents a strong opportunity for savings.
- The company is waiting for PRISM on applications for 11 towns. Through the second quarter, only Middletown has expressed interest in leasing LED street lights from National Grid.
- Post inspection and commissioning were completed for a manufacturer and retainage was paid. A post inspection was completed for a hotel and commissioning is now underway. Two offer letters will be going out in the near future with an expected completion date in the summer of 2018 for both CHP projects.

### **Small Business Direct Install**

- The Small Business Direct Install program had a strong first half of the year by achieving savings of 4,901 MWh (40% the annual goal) and 1,814 MMBtu (50% of the annual goal) and is projected to deliver 95-100% of the savings goal by the end of the year.

### **Pilots**

- Installation for the Smart Lighting Solutions pilot is scheduled to begin in July. The study is expected to be 18 months in duration and will track how customers interact with wifi controllable lighting and how changes in behavior can lead to improved efficiency.
- Over 250 Ecobee Lytes were installed in the second quarter due to an overwhelming response to last year's Ecobee demand response offering.
- Connected Solutions is adding NEST to the selection of wifi thermostats that are eligible to participate in Rhode Island's Connected Solutions pilot.

### **Evaluation**

- The participation study has proceeded and is nearing draft report stage.
- For the C&I Custom Process study the Rhode Island analysis is almost complete and is waiting on the Massachusetts portion of the study.
- Site reports have been completed for the C&I Custom HVAC study, with the final report in progress.
- Metering continues at customer sites for the C&I Comprehensive Design Approach Evaluation.

- For the C&I Upstream Lighting study, field measurement activities are in progress.
- For the C&I Free-Ridership / Spillover study the sample design has been selected and surveying is in progress with a report expected in mid-August.

## **Upcoming Events**

- The Energy Summit will take place at Gillette Stadium on October 19<sup>th</sup>

NATIONAL GRID ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND

Table 1. Summary of Electric 2017 Target and Preliminary 2nd Quarter Results

| ELECTRIC PROGRAMS<br>Sector and Program   | (1) (2) (3) (4)              |               |              |               | (5) (6) (7) (8)             |                |              |               | (9) (10) (11)          |                |               | (12) (13) (14)     |                    |              | (15) (16) (17)                              |                 |                 |
|---|------------------------------|---------------|--------------|---------------|-----------------------------|----------------|--------------|---------------|------------------------|----------------|---------------|--------------------|--------------------|--------------|---|-----------------|-----------------|
|   | Demand Reduction (Annual kW) |               |              |               | Energy Savings (Annual MWh) |                |              |               | Customer Participation |                |               | Expenses (\$ 000)  |                    |              | Lifetime savings, MWh \$/kWh Planned \$/kWh |                 |                 |
|   | Target                       | Year To Date  | Pct Achieved | Pct Projected | Target                      | Year To Date   | Pct Achieved | Pct Projected | Target                 | Year To Date   | Pct Achieved  | Budget             | Year To Date       | Pct Achieved |   |                 |                 |
| <b>Commercial and Industrial</b>          |                              |               |              |               |                             |                |              |               |                        |                |               |                    |                    |              |   |                 |                 |
| Large Commercial New Construction         | 1,276                        | 474           | 37.1%        |               | 14,270                      | 2,959          | 20.7%        |               | 201                    | 53             | 26.4%         | \$5,121.4          | \$1,829.6          | 35.7%        | 43,156                                      | \$ 0.042        | \$ 0.022        |
| Large Commercial Retrofit                 | 13,317                       | 5,382         | 40.4%        |               | 77,611                      | 40,386         | 52.0%        |               | 2,188                  | 1,325          | 60.6%         | \$23,708.4         | \$9,482.9          | 40.0%        | 555,933                                     | \$ 0.017        | \$ 0.041        |
| Small Business Direct Install             | 2,815                        | 705           | 25.0%        |               | 12,136                      | 4,901          | 40.4%        |               | 744                    | 285            | 38.3%         | \$8,831.4          | \$2,691.3          | 30.5%        | 60,495                                      | \$ 0.044        | \$ 0.076        |
| Commercial Demonstration and R&D          |                              |               |              |               |                             |                |              |               |                        |                |               | \$874.4            | \$19.0             | 2.2%         |   |                 |                 |
| Finance Costs                             |                              |               |              |               |                             |                |              |               |                        |                |               | \$1,300.0          | N/A                | N/A          |   |                 |                 |
| RI Infrastructure Bank                    |                              |               |              |               |                             |                |              |               |                        |                |               | \$4,900.0          | \$0.0              | 0.0%         |   |                 |                 |
| <b>SUBTOTAL</b>                           | <b>17,408</b>                | <b>6,561</b>  | <b>37.7%</b> | <b>90.0%</b>  | <b>104,017</b>              | <b>48,246</b>  | <b>46.4%</b> | <b>97.3%</b>  | <b>3,133</b>           | <b>1,663</b>   | <b>53.1%</b>  | <b>\$44,735.6</b>  | <b>\$14,022.8</b>  | <b>31.3%</b> | <b>659,583</b>                              | <b>\$ 0.021</b> | <b>\$ 0.046</b> |
| <i>Subtotal with Finance</i>              |                              |               |              |               |                             |                |              |               |                        |                |               | \$44,735.6         | \$14,022.8         | 31.3%        | 659,583                                     | \$ 0.021        | \$ 0.046        |
| <b>Income Eligible Residential</b>        |                              |               |              |               |                             |                |              |               |                        |                |               |                    |                    |              |   |                 |                 |
| Single Family - Income Eligible Services  | 652                          | 308           | 47.3%        |               | 4,350                       | 1,688          | 38.8%        |               | 2,625                  | 1,403          | 53.4%         | \$9,268.1          | \$3,314.1          | 35.8%        | 19,520                                      | \$ 0.170        | \$ 0.200        |
| Income Eligible Multifamily               | 145                          | 82            | 56.5%        |               | 2,726                       | 1,604          | 58.8%        |               | 2,894                  | 2,471          | 85.4%         | \$2,708.4          | \$1,208.7          | 44.6%        | 13,365                                      | \$ 0.090        | \$ 0.097        |
| <b>SUBTOTAL</b>                           | <b>797</b>                   | <b>390</b>    | <b>49.0%</b> | <b>102.4%</b> | <b>7,076</b>                | <b>3,292</b>   | <b>46.5%</b> | <b>108.9%</b> | <b>5,519</b>           | <b>3,874</b>   | <b>70.2%</b>  | <b>\$11,976.5</b>  | <b>\$4,522.8</b>   | <b>37.8%</b> | <b>32,885</b>                               | <b>\$ 0.138</b> | <b>\$ 0.161</b> |
| <b>Non-Income Eligible Residential</b>    |                              |               |              |               |                             |                |              |               |                        |                |               |                    |                    |              |   |                 |                 |
| Residential New Construction              | 54                           | 71            | 131.9%       |               | 1,065                       | 430            | 40.4%        |               | 561                    | 416            | 74.2%         | \$1,045.3          | \$478.9            | 45.8%        | 8,210                                       | \$ 0.058        | \$ 0.066        |
| ENERGY STAR® HVAC                         | 330                          | 176           | 53.5%        |               | 1,376                       | 565            | 41.1%        |               | 1,900                  | 968            | 50.9%         | \$1,669.5          | \$643.2            | 38.5%        | 7,446                                       | \$ 0.086        | \$ 0.124        |
| EnergyWise                                | 376                          | 97            | 25.7%        |               | 6,545                       | 3,841          | 58.7%        |               | 9,000                  | 5,765          | 64.1%         | \$9,630.0          | \$4,858.3          | 50.4%        | 35,876                                      | \$ 0.135        | \$ 0.166        |
| EnergyWise Multifamily                    | 288                          | 58            | 20.2%        |               | 3,519                       | 803            | 22.8%        |               | 4,000                  | 1,478          | 37.0%         | \$3,443.5          | \$653.4            | 19.0%        | 7,062                                       | \$ 0.093        | \$ 0.111        |
| ENERGY STAR® Lighting                     | 5,466                        | 3,406         | 62.3%        |               | 46,856                      | 29,195         | 62.3%        |               | 279,425                | 243,458        | 87.1%         | \$9,412.4          | \$4,096.5          | 43.5%        | 260,450                                     | \$ 0.016        | \$ 0.038        |
| Residential Consumer Products             | 705                          | 112           | 15.9%        |               | 4,708                       | 718            | 15.2%        |               | 14,700                 | 3,129          | 21.3%         | \$2,125.0          | \$544.6            | 25.6%        | 5,512                                       | \$ 0.099        | \$ 0.081        |
| Home Energy Reports                       | 3,119                        | 1,996         | 64.0%        |               | 26,184                      | 14,816         | 56.6%        |               | 208,063                | 267,433        | 128.5%        | \$2,447.0          | \$1,260.0          | 51.5%        | 14,816                                      | \$ 0.085        | \$ 0.093        |
| Energy Efficiency Educational Programs    |                              |               |              |               |                             |                |              |               |                        |                |               | \$40.0             | \$41.2             | 102.9%       |   |                 |                 |
| Residential Demonstration and R&D         |                              |               |              |               |                             |                |              |               |                        |                |               | \$1,179.5          | \$229.5            | 19.5%        |   |                 |                 |
| Community Based Initiatives - Residential |                              |               |              |               |                             |                |              |               |                        |                |               | \$270.8            | \$131.2            | 48.5%        |   |                 |                 |
| Comprehensive Marketing - Residential     |                              |               |              |               |                             |                |              |               |                        |                |               | \$535.4            | \$179.4            | 33.5%        |   |                 |                 |
| <b>SUBTOTAL</b>                           | <b>10,338</b>                | <b>5,917</b>  | <b>57.2%</b> | <b>98.6%</b>  | <b>90,254</b>               | <b>50,368</b>  | <b>55.8%</b> | <b>100.1%</b> | <b>517,648</b>         | <b>522,647</b> | <b>101.0%</b> | <b>\$31,798.4</b>  | <b>\$13,116.2</b>  | <b>41.2%</b> | <b>339,372</b>                              | <b>\$0.039</b>  | <b>\$ 0.070</b> |
| <b>Regulatory</b>                         |                              |               |              |               |                             |                |              |               |                        |                |               |                    |                    |              |   |                 |                 |
| EERMC                                     |                              |               |              |               |                             |                |              |               |                        |                |               | \$816.3            | \$246.2            | 30.2%        |   |                 |                 |
| OER                                       |                              |               |              |               |                             |                |              |               |                        |                |               | \$816.3            | \$430.7            | 52.8%        |   |                 |                 |
| <b>SUBTOTAL</b>                           |                              |               |              |               |                             |                |              |               |                        |                |               | <b>\$1,632.5</b>   | <b>\$676.9</b>     | <b>41.5%</b> |   |                 |                 |
| <b>TOTAL</b>                              | <b>28,543</b>                | <b>12,868</b> | <b>45.1%</b> | <b>93.4%</b>  | <b>201,347</b>              | <b>101,906</b> | <b>50.6%</b> | <b>98.9%</b>  | <b>526,299</b>         | <b>528,183</b> | <b>100.4%</b> | <b>\$ 90,143.1</b> | <b>\$ 32,338.7</b> | <b>35.9%</b> | <b>1,031,840</b>                            | <b>\$0.031</b>  | <b>\$ 0.058</b> |
| <i>TOTAL With Finance</i>                 |                              |               |              |               |                             |                |              |               |                        |                |               | \$ 90,143.1        | \$ 32,338.7        | 35.9%        | 1,031,840                                   | \$0.031         | \$ 0.058        |
| RGGI                                      |                              |               |              |               |                             |                |              |               |                        |                |               | \$ 516.1           | \$23.0             | 4.5%         |   |                 |                 |
| Municipal LED Street Lights               |                              |               |              |               |                             |                |              |               |                        |                |               | \$ 1,525.0         | \$300.0            | 19.7%        |   |                 |                 |
| System Reliability Procurement            |                              |               |              |               |                             |                |              |               |                        |                |               | \$ 399.3           | \$137.4            | 34.4%        |   |                 |                 |

NOTES

- (1)(5)(9) Targets from Docket 4654 - Attachment 5, Table E-7 (electric)
- (3) Pct Achieved is Column (2)/ Column (1).
- (7) Pct Achieved is Column (6)/ Column (5).
- (9) Participation was planned and is reported in 'net' terms which takes into account free-ridership and spillover.
- (11) Pct Achieved is Column (10)/ Column (9).
- (12) Approved Budget includes Implementation and Evaluation budgets from Docket 4654, Attachment 5 Table E-2 (electric).
- (13) Year To Date Expenses include Implementation and Evaluation expenses.
- RGGI Expenses are counted separate as those funds were not part of the approved 2017 budget. Details on RGGI spend are found in Table 4.
- (14) Pct Achieved is Column (13)/ Column (12).
- (16) \$/lifetime kWh = Column (13)/Column (15)
- (17) Planned \$/lifetime kWh - Attachment 5, Table E-5 (electric)
- System Reliability Procurement targets from Docket 4654 - Attachment 5, Table E-7 (electric), not included in Expenses Total
- The Company received \$1,525,000 from the State to pay out to municipal customers on its behalf.

NATIONAL GRID ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND  
**Table 2. Summary of Gas 2017 Target and Preliminary 2nd Quarter Results**

| GAS PROGRAMS<br>Sector and Program        | (1)                    | (2)            | (3)          | (4)           | (5)                    | (6)            | (7)           | (8)                | (9)                | (10)         | (11)                    | (12)              | (13)                      |
|---|------------------------|----------------|--------------|---------------|------------------------|----------------|---------------|--------------------|--------------------|--------------|-------------------------|-------------------|---------------------------|
|   | Energy Savings (MMBtu) |                |              |               | Customer Participation |                |               | Expenses (\$ 000)  |                    |              | Lifetime savings, MMBtu | \$/Lifetime MMBtu | Planned \$/Lifetime MMBtu |
|   | Approved Target        | Year To Date   | Pct Achieved |               | Approved Target        | Year To Date   | Pct Achieved  | Approved Budget    | Year To Date       | Pct Achieved |                         |                   |                           |
| <b>Commercial and Industrial</b>          |                        |                |              |               |                        |                |               |                    |                    |              |                         |                   |                           |
| Large Commercial New Construction         | 53,516                 | 9,828          | 18.4%        |               | 149                    | 83             | 55.7%         | \$2,086.3          | \$1,003.4          | 48.1%        | 195,236                 | \$ 5.14           | \$ 3.93                   |
| Large Commercial Retrofit                 | 187,938                | 73,595         | 39.2%        |               | 147                    | 40             | 27.3%         | \$5,830.5          | \$1,336.4          | 22.9%        | 573,870                 | \$ 2.33           | \$ 4.07                   |
| Small Business Direct Install             | 3,639                  | 1,814          | 49.8%        |               | 86                     | 55             | 63.6%         | \$268.7            | \$40.3             | 15.0%        | 11,270                  | \$ 3.58           | \$ 7.74                   |
| Commercial & Industrial Multifamily       | 4,434                  | 914            | 20.6%        |               | 806                    | 252            | 31.3%         | \$738.9            | \$66.0             | 8.9%         | 9,910                   | \$ 6.65           | \$ 12.82                  |
| Commercial Demonstration and R&D          |                        |                |              |               |                        |                |               | \$73.8             | \$1.0              | 1.4%         |                         |                   |                           |
| RI Infrastructure Bank                    |                        |                |              |               |                        |                |               | \$100.0            | \$0.0              | 0.0%         |                         |                   |                           |
| Finance Costs                             |                        |                |              |               |                        |                |               | \$500.0            | N/A                | N/A          |                         |                   |                           |
| <b>SUBTOTAL</b>                           | <b>249,527</b>         | <b>86,150</b>  | <b>34.5%</b> | <b>100.0%</b> | <b>1,188</b>           | <b>430</b>     | <b>36.2%</b>  | <b>\$9,598.1</b>   | <b>\$2,447.1</b>   | <b>25.5%</b> | <b>790,286</b>          | <b>\$ 3.10</b>    | <b>\$ 4.50</b>            |
| <i>Subtotal With Finance</i>              |                        |                |              |               |                        |                |               | \$9,598.1          | \$2,447.1          | 25.5%        | 790,286                 | \$ 3.10           | \$ 4.50                   |
| <b>Income Eligible Residential</b>        |                        |                |              |               |                        |                |               |                    |                    |              |                         |                   |                           |
| Single Family - Income Eligible Services  | 11,032                 | 6,278          | 56.9%        |               | 590                    | 313            | 53.1%         | \$3,640.6          | \$1,653.9          | 45.4%        | 125,552                 | \$ 13.17          | \$ 16.50                  |
| Income Eligible Multifamily               | 15,810                 | 2,137          | 13.5%        |               | 2,709                  | 1,395          | 51.5%         | \$2,216.6          | \$193.7            | 8.7%         | 28,579                  | \$ 6.78           | \$ 7.94                   |
| <b>SUBTOTAL</b>                           | <b>26,842</b>          | <b>8,415</b>   | <b>31.4%</b> | <b>110.3%</b> | <b>3,299</b>           | <b>1,708</b>   | <b>51.8%</b>  | <b>\$5,857.2</b>   | <b>\$1,847.6</b>   | <b>31.5%</b> | <b>154,131</b>          | <b>\$ 11.99</b>   | <b>\$ 11.72</b>           |
| <b>Non-Income Eligible Residential</b>    |                        |                |              |               |                        |                |               |                    |                    |              |                         |                   |                           |
| EnergyWise                                | 28,587                 | 14,506         | 50.7%        |               | 2,250                  | 1,784          | 79.3%         | \$6,917.2          | \$3,925.9          | 56.8%        | 348,542                 | \$ 11.26          | \$ 14.63                  |
| Energy Star® HVAC                         | 27,393                 | 8,596          | 31.4%        |               | 2,104                  | 806            | 38.3%         | \$1,803.5          | \$643.7            | 35.7%        | 143,355                 | \$ 4.49           | \$ 10.82                  |
| EnergyWise Multifamily                    | 11,518                 | 2,343          | 20.3%        |               | 4,101                  | 1,950          | 47.5%         | \$1,823.6          | \$264.8            | 14.5%        | 34,013                  | \$ 7.79           | \$ 13.22                  |
| Home Energy Reports                       | 59,164                 | 49,771         | 84.1%        |               | 99,001                 | 125,409        | 126.7%        | \$497.0            | \$252.1            | 50.7%        | 39,357                  | \$ 6.41           | \$ 8.40                   |
| Residential New Construction              | 11,575                 | 2,620          | 22.6%        |               | 373                    | 215            | 57.6%         | \$840.7            | \$429.7            | 51.1%        | 65,380                  | \$ 6.57           | \$ 8.30                   |
| Residential Demonstration and R&D         |                        |                |              |               |                        |                |               | \$264.4            | \$24.5             | 9.3%         |                         |                   |                           |
| Comprehensive Marketing - Residential     |                        |                |              |               |                        |                |               | \$69.8             | \$33.6             | 48.2%        |                         |                   |                           |
| Community Based Initiatives - Residential |                        |                |              |               |                        |                |               | \$79.6             | \$34.7             | 43.6%        |                         |                   |                           |
| <b>SUBTOTAL</b>                           | <b>138,237</b>         | <b>77,836</b>  | <b>56.3%</b> | <b>108.2%</b> | <b>107,829</b>         | <b>130,164</b> | <b>120.7%</b> | <b>\$12,295.7</b>  | <b>\$5,609.1</b>   | <b>45.6%</b> | <b>630,647</b>          | <b>\$ 8.89</b>    | <b>\$ 12.58</b>           |
| <b>Regulatory</b>                         |                        |                |              |               |                        |                |               |                    |                    |              |                         |                   |                           |
| EERMC                                     |                        |                |              |               |                        |                |               | \$304.3            | \$77.6             | 25.5%        |                         |                   |                           |
| OER                                       |                        |                |              |               |                        |                |               | \$304.3            | \$132.3            | 43.5%        |                         |                   |                           |
| <b>SUBTOTAL</b>                           |                        |                |              |               |                        |                |               | <b>\$608.5</b>     | <b>\$210.0</b>     | <b>34.5%</b> |                         |                   |                           |
| <b>TOTAL</b>                              | <b>414,606</b>         | <b>172,401</b> | <b>41.6%</b> | <b>103.4%</b> | <b>112,316</b>         | <b>132,302</b> | <b>117.8%</b> | <b>\$ 28,359.5</b> | <b>\$ 10,113.8</b> | <b>35.7%</b> | <b>1,575,064</b>        | <b>\$ 6.42</b>    | <b>\$ 7.96</b>            |
| <i>Total with Finance</i>                 |                        |                |              |               |                        |                |               | \$ 28,359.5        | \$ 10,113.8        | 35.7%        | 1,575,064               | \$ 6.42           | \$ 7.96                   |

NOTES  
(1)(5) Targets from Docket 4654 - Attachment 6, Table G-7 (gas).  
(3) Pct Achieved is Column (2)/ Column (1).  
Savings from the Codes and Standards initiative are not counted until year-end. Therefore, savings in the Commercial and Residential New Construction Programs may track lower each quarter.  
(5) Participation was planned and is reported in 'net' terms which takes into account free-ridership and spillover.  
(7) Pct Achieved is Column (6)/ Column (5).  
(8) Approved Budget includes Implementation and Evaluation budgets from Docket 4654, Attachment 6 Table G-2 (gas).  
(9) Year To Date Expenses include Implementation and Evaluation expenses.  
(10) Pct Achieved is Column (9)/ Column (8).  
(12) \$/lifetime MMBtu = Column (9)\*1000/Column (11)  
(13) Planned \$/lifetime MMBtu - Attachment 6, Table G-5 (gas).

**Table 4**  
**2017 RGGI Budget and Spend**

| <b>Initiative</b>                       | <b>2017 Budget</b> | <b>Spend</b>     |
|---|--------------------|------------------|
| RI Public Energy Partnership Incentives | \$ 83,879          | \$ -             |
| Residential Delivered Fuels             | \$ 21,484          | \$ 21,484        |
| Agricultural Delivered Fuels            | \$ 240,116         | \$ -             |
| Heat Pump Study                         | \$ 170,597         | \$ 1,543         |
| <b>Total</b>                            | <b>\$ 516,076</b>  | <b>\$ 23,027</b> |

Notes

1. Budgets may differ from quarterly and annual RGGI reports delivered to the Office of Energy Resources as they represent funds available for program year 2017, net of previous year's spend.
2. Table only includes RGGI funds for specific initiatives. Does not include funds allocated to lowering the energy efficiency program charge or those allocated to loan funds.

**Table 3  
National Grid  
Revolving Loan Funds**

| <b>Large C&amp;I Electric Revolving Loan Fund</b>      |                      |              | <b>Small Business Electric Revolving Loan Fund</b> |                          |             |
|--|----------------------|--------------|--|--------------------------|-------------|
| (1)  | 2017 Funds Available | \$13,661,388 |  | (1) 2017 Funds Available | \$2,567,799 |
| (2)  | 2017 Loan budget     | \$11,000,000 | (2)  | 2017 Loan Budget         | \$4,400,000 |
| (3)  | Committed            | \$8,043,048  | (3)  | Committed                | \$814,942   |
| (4)  | Paid                 | \$3,070,513  | (4)  | Paid                     | \$1,698,677 |
| (5)  | Repayments           | \$1,981,092  | (5)  | Repayments               | \$1,312,161 |
| (6)  | Number of loans      | 97           | (7)  | Participants             | 204         |
| (7)  | Participants         | 40           | (8)  | Savings (Gross MWh)      | 4,901       |
| (8)  | Savings (Gross MWh)  | 7,740        | (9)  | Savings (Net MWh)        | 5,085       |
| (9)  | Savings (Net MWh)    | 6,016        | (10)   | Savings (Gross kW)       | 761         |
| (10)   | Savings (Gross kW)   | 1,155        | (11)   | Saving (Net kW)          | 705         |
| (11)   | Saving (Net kW)      | 735          | (12)   | Available                | \$3,198,542 |
| (12)   | Available            | \$1,867,531  |  |                          |             |
| <b>Rhode Island Public Energy Partnership (RI PEP)</b> |                      |              | <b>C&amp;I Gas Revolving Loan Fund</b>             |                          |             |
| (1)  | 2017 Funds Available | \$281,385    | (1)  | 2017 Funds Available     | \$1,479,707 |
| (3)  | Committed            | \$9,076      | (2)  | 2017 Loan budget         | \$1,000,000 |
| (4)  | Paid                 | \$0          | (3)  | Committed                | \$414,200   |
| (5)  | Repayments           | \$181,432    | (4)  | Paid                     | \$297,998   |
| (7)  | Participants         | 1            | (5)  | Repayments               | \$205,824   |
| (8)  | Savings (Gross MWh)  | -            | (7)  | Participants             | 9           |
| (9)  | Savings (Net MWh)    | -            | (8)  | Savings (Gross MMBtu)    | 265,828     |
| (10)   | Savings (Gross kW)   | -            | (9)  | Savings (Net MMBtu)      | 194,626     |
| (11)   | Saving (Net kW)      | -            | (12)   | Available                | \$493,626   |
| (12)   | Available            | \$453,741    |  |                          |             |

Notes

- 1 Amount available as of January 1, 2017, including 2017 fund injections detailed in Table E-10 and G-10.
- 2 Budget adopted by Sales Team for 2017 operations. Budget includes projections of repayments made during 2017.
- 3 As of June 30, 2017
- 4 As of June 30, 2017
- 5 As of June 30, 2017
- 6 As of June 30, 2017
- 7 Unique customer names for large business and customer accounts for small business (not adjusted for net-to-gross).
- 8 As of June 30, 2017
- 9 As of June 30, 2017
- 10 As of June 30, 2017
- 11 As of June 30, 2017
- 12 Available funds as of June 30, 2017.

Efficient Buildings Fund  
Rhode Island Infrastructure Bank / Office of Energy Resources  
2017Q2 Report

Financing Program Income Statement

|                            |  |
|----------------------------|--|
| Funds Available (4/ 1/ 17) | \$5 million SBC is equal to \$15mm - \$25mm in loans |
| Loans Paid Out             | \$0  |
| Loans Repayments           | \$0  |
| Loans Defaults             | \$0  |
| Outstanding Loan Value*    | \$9.8mm  |
| Funds Available (6/30/ 17) | \$5 million SBC is equal to \$15mm - \$25mm in loans |

\* Outstanding loan value is cumulative. These loans were executed in 2016

Financing Program Impacts

|   |                |
|---|----------------|
| Participation   |                |
| Number of Loans (#)                                   | 0              |
| Number of Participants (#)                            | 0              |
| Projects  |                |
| Total Loan Volume (\$)                                | \$0            |
| Total Associated Incentive Volume (\$) (Rd1 YTD)      | \$986,865.88   |
| Savings (Rd1 YTD)                                     |                |
| Gross Annual Electricity Saving Supported (MWh)       | 5,524 MWh      |
| Gross Annual Capacity Reductions Supported (kW)       | See Note (1)   |
| Gross Annual Thermal Energy Saving Supported (therms) | 58,716 therms  |
| Lifetime Gross Energy Savings Supported (MMBTU)       | See Note (2)   |
| Total Annual Estimated Cost Savings (\$)              | \$1,752,703.08 |

Note (1): This data was not collected for EBF Round 1 participants but will be available from future rounds.

Note (2): This data was not collected for EBF Round 1 participants but will be available from future rounds.

Loans and Participants: These numbers will be reported for 2017 activity. Loans expected to close in September 2017.