

December 21, 2016

BY HAND DELIVERY AND ELECTRONIC MAIL

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

**RE: Docket 4580 - National Grid Electric and Gas Energy Efficiency Programs
2016 Quarterly Reports – First, Second, and Third Quarters**

Dear Ms. Massaro:

I have enclosed ten (10) copies of National Grid's¹ quarterly report for the first, second and third quarters of 2016. These reports include the preliminary quarterly results for the Company's natural gas and electric energy efficiency programs, a summary of the programs' progress, and a status of the Commercial & Industrial revolving loan fund. The Company has provided copies of this report to the parties in this docket.

Thank you for your attention to this matter. If you have any questions, please contact me at 781-907-2121.

Very truly yours,



Raquel J. Webster

Enclosures

cc: Docket 4580 Service List
Steve Scialabba, Division
Jon Hagopian, Esq.

¹ The Narragansett Electric Company d/b/a National Grid.

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

December 21, 2016

Date

**Docket No. 4580 - National Grid - 2016 Energy Efficiency Program Plan
Service list updated 12/14/15**

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Rhode Island Energy Efficiency

First Quarter 2016 | National Grid

May 5th, 2016

Overview

National Grid is off to a great start for the first quarter of 2016. The Company focused on promoting program participation and improving customer experience to create a solid foundation for reaching energy savings and participation targets in 2016. At the end of the first quarter the Company achieved 19% of the electric savings goal and 16% of the gas savings goal.

To promote participation, National Grid designed a plan to reenergize the heating and cooling programs through enhanced trade ally engagement and a more unified HVAC offering to increase consumer awareness. On the commercial side, National Grid officially launched new LED luminaries in the upstream lighting initiative to expand the current line-up of upstream products. With appropriate incentives, the Company expects to see rapid uptake by the middle of the third quarter.

For the third year in a row, National Grid partnered with the RI Office of Energy Resources (OER) and the RI Energy Efficiency and Resource Management Council (EERMC) to host the Rhode Island Energy Expo at the 2016 RI Home Show on March 31st through April 3rd. With over 20,000 attendees, the Company aggressively promoted the EnergyWise Home Energy Assessment and received a remarkable 681 on-site requests for assessments.

National Grid also focused on improving customer experience in the first quarter. Efforts included upgrading email Home Energy Reports and developing a digital promotional module on online audits and new features of the recently-launched National Grid US Retail Website. In the commercial sector, the Company's partnership with Leidos in the industrial initiative is helping customers to optimize industrial and manufacturing water heating systems as well as identify other energy savings opportunities.

EnergyWise was awarded the 2016 ENERGY STAR Partner of Year for Program Implementation, which recognizes the work in operating productive energy efficiency programs, achieving outstanding customer relations, and working closely with state and local governments.

The 2015 Jobs Study was also finalized in the first quarter. The study found that National Grid's 2015 energy efficiency programs supported 695.8 full-time equivalent (FTE) workers. Most of the jobs created as a result of the energy efficiency investments were local because they were tied to installation of equipment and other materials. In fact, of the 1,009 companies and agencies involved in National Grid's 2015 EE programs, 79% were located in Rhode Island.

Based on the strong first quarter results, National Grid believes 2016 will be another innovative and successful year to come.

2016 Program & Initiative Updates

Residential New Construction

- Residential New Construction had a strong first quarter with 88 completed units.
- 65% of completed homes were new construction and 35% were renovation-rehabilitation. 34% of homes served were Income Eligible.
- 62 homes achieved Tier II savings (a minimum of 25% savings over the program baseline).
- 4 homes in North Kingstown, Warren, Bristol, and Charlestown achieved Tier III savings (a minimum of 45% savings over the program baseline).
- 232 units enrolled in the Program. These newly enrolled projects have aggressive timelines and their progress may confirm whether these initial signs represent a potential turnaround in the market.
- Success story on Affordable Housing Projects:
 - Ashton Village enrolled in the Program in 2014 with the last unit completed in February 2016. In total, 53 units participated, with 42 renovations and 11 new constructions. These units achieved an average of 31.8% savings over the Program savings baseline, and scored an average HERS Index of 65. The project consisted of a set of millworker cottages located next to the recently reclaimed Ashton Mill and is considered to be one of the most intact mill villages in the region. Valley Affordable Housing purchased 10 of these buildings with the intent to both restore and preserve the buildings and to provide affordable housing.



Income Eligible

- Rhode Island Department of Human Services (DHS) Management Team, National Grid, and CLEAResult met to discuss the integration of budgets based on funding from the federal Department of Energy (DOE) and the Low Income Home Energy Assistance Program (LIHEAP) programs, and National Grid energy efficiency funds. Budget integration allows programs to maximize the leveraged funds, match funding to capacity, and build a reliable funding stream for the Community Action Program (CAP) agencies.
- Two Weatherization Technical Committee meetings were held in the first quarter. Topics discussed include updates on kneewall options, enclosed space test equipment selection, Hancock training, Residential Energy Dynamics (RED) calculations for ASHRAE implementation, and Chimney Liners and recurring Hancock software issues.

- DHS, contractors, and CLEAResult participated in OSHA Enclosed Space training.
- The RI Income Eligible Services Operations Manual will be finalized and distributed to CAP agencies on July 1 2016. The Manual contains all policies and procedures for the program as well as all forms, appendices, and client information documents.
- The implementation of the National Grid Background Check program continued in the first quarter. CLEAResult has contacted every contractor on the State's roster and is working with CAP agencies to smoothly integrate the Background Check policy. DHS has collaborated with CLEAResult and will be requiring all contractors implementing DHS funded projects to meet the requirements of the National Grid Background Check program, effective May 20, 2016.

EnergyWise

- EnergyWise was awarded the 2016 ENERGY STAR Partner of Year for Program Implementation.
- 2,235 home energy assessments were completed in the first quarter. In general, the program activity, aside from the Home Show, has been slower than in recent years. Much of this is attributed to a warm winter and low energy prices. The Company will be actively marketing the program in the upcoming quarter.
- There will be no more compact fluorescent lamps purchased for this program, so when the existing supply is depleted, EnergyWise will be installing primarily LEDs.
- 320 HEAT loans were in completed in the first quarter for a total of \$1.78 million loan.
- 520 gas weatherizations were completed through the first quarter.

EnergyWise and Income Eligible Multifamily

- The first meetings of the new energy efficiency Multifamily Working Group took place at National Grid and included stakeholders from OER, Green and Healthy Homes Initiative (GHHI), RI Housing, Optimal Energy, and RISE Engineering. These meetings will continue to take place once a month through the planning of the 2017 program plan.
- National Grid along with RISE Engineering presented at the Community Association's Institute Annual Condo Hero event on the Multifamily retrofit Program. The presentation was well received and an article was written for Condo Media Magazine highlighting National Grid's efforts.
- National Grid's Marketing, Strategy, and Implementation team worked together to create a multi-page Case Study of the Wethersfield Condominium complex retrofit to use in the recruitment of new and interested condominium complexes. An apartment case-study is underway.
- Income eligible electric is off to a good start with impressive work in the pipeline. There is a slower start on the gas side, so the strategy team is in the process of developing a plan with marketing, execution and RISE to address any concerns and bring in more projects.

ENERGYSTAR® Lighting and Appliances

- ENERGY STAR has a specification revision in effect which will result in lower cost and shorter measure life for ENERGY STAR qualified bulbs that will be offered as early as July, 2016. The shorter lifespan bulbs will compete against low priced non-ENERGY STAR qualified products. National Grid will encourage all products to support full lines of ENERGY STAR lighting products and not just the lower cost items.
- Educational tables were featured at The Home Depot in Coventry and Lowe's in Cranston in March, The Home Depot in Middletown and Westerly in February, and The Home Depot in Warwick and North Kingstown in January to promote efficient lighting and products.
- Pool Pump trainings began with dealers, installers, distributors and manufacturers. Buying groups will be the next target to learn about the upstream incentives that are being offered for high efficiency pool pumps.
- Refrigerator and freezer recycling has a tentative launch date of June 1, 2016.

ENERGYSTAR® HVAC (Heating and Cooling)

- The Company and the lead vendor designed a plan to reenergize the Gas and Electric Heating and Cooling Programs through enhanced trade ally engagement and a more unified HVAC offering to increase participation and consumer awareness of the Company's commitment to energy efficiency.
- The Electric HVAC program released an announcement to partners which included the 2016 rebate forms and internal program operational documents. Field representatives have been corresponding and interacting regularly with trade ally partners, including installation contractors, distributors and manufacturers, to articulate the benefits of program participation and incentives for customers.
- There was one classroom training conducted for Airflow and Charge Check (AC Check) technicians in preparation for the 2016 summer cooling season. A new online training 'Airflow basics' was made available to contractors coming through the training, as well as some other trade ally partners.

Home Energy Reports

- During the first quarter of 2016, the Home Energy Report program helped customers save 7,758 MWh and 24,419 MMBtu.
- Digital engagement was particularly high compared to previous quarters, with an email open rate of over 33%.
- First quarter enhancements to the customer experience included the migration to the second-generation email Home Energy Report, and a digital promotional module encouraging customers to complete the online audit and explore the new features of the recently-launched National Grid US Retail Website.

Community Initiative

- Charlestown and Narragansett joined the RI Energy Challenge. Town officials sent emails to over a 1,000 residents in Charlestown while materials have been distributed through community centers, the clerk's office, the library, and chamber of commerce in Narragansett.
- Efforts in the City of Providence wrapped in late January with a final tally of 3,370 residents signing up to take the pledge to be more efficient. The city, along with Johnson & Wales University, was celebrated on April 1st at City Hall for this successful effort.
- The CAP agencies continue to speak with clients and have placed posters and materials in their lobbies. Special meetings were held with South County CAP to ask for increased communication while working in the area for the Challenge.
- The vendor for the program, SmartPower, hired an intern from Johnson & Wales University's Sustainability Office to focus on the RI Energy Challenge Efforts and help with communications to students statewide.

Codes Initiative

- In the first quarter, National Grid Procurement awarded a new contract to CLEAResult for 2 years through December 31, 2017. This award was made after a National Grid team solicited proposals via an RFP and then conducted a thorough review of the 5 proposals received and conducted interviews of 4 candidate firms.
- 7 residential and 1 commercial classroom energy code trainings were conducted in the first quarter. The residential trainings drew 202 attendees and the commercial training drew 8 attendees. Residential attendance was boosted by conducting two sessions at the Rhode Island Building Officials Association (RIBOA) Expo, which drew 160 attendees.
- The initiative also fielded 10 residential and 1 commercial Circuit Rider phone calls in the 1st quarter, and conducted 4 residential on-site Circuit Rider field visits.

Large Commercial New Construction

- Both the electric new construction program and the gas new construction program are on target to meet 2016 goals.
- Upstream initiatives:
 - After a brief pilot in 2015, the Company officially launched 1x4, 2x2, and 2x4 LED luminaries in the upstream lighting initiative. National Grid believes that this will be a great addition to the current line-up of upstream products. If the incentive is set correctly, the Company expects to see rapid uptake by the middle of the third quarter.
 - National Grid and the Massachusetts Program Administrators (PAs) have begun work on an RFP for an administrator for the upstream HVAC initiative.
- Standardized testing to meet international standards began January 1st. The next Building Operator Certification (BOC) Level I class will begin in Providence on May 3rd. This class runs through July, with the test scheduled for Sep 13th.

- Several municipalities have expressed interest in purchasing their own street lights and replacing them with LEDs. The City of Providence will be the first to buy lights. Providence expects to have all of street lights converted to LEDs with controls by the end of the summer.

Large Commercial Retrofit

- The Company's partnership with Leidos in the industrial/manufacturing sector is producing great projects.
 - Working with Jeff Dunham (Commercial Sales) and a local newspaper, the National Grid Industrial Initiative team identified four 50 kW hot water tanks in process that are used to supply hot water to the plate making machines for washing purposes. The team metered the electricity usage on the tanks for one week and was able to determine that approximately 603,111 kWh of electricity was used annually to provide the hot water used in the washing process. The industrial initiative has proposed replacing the tanks with three 150,000 btu/hr on demand natural gas domestic hot water heaters to be installed in line before the electric hot water heaters. The incoming city water will be heated to the required 135 degrees and stored and maintained in the existing electric hot water tanks. It is estimated that 20% of the existing usage will be required to maintain water temperature when the process is not in use.
- National Grid is actively working with municipal buildings that are currently participating in the Efficient Building Fund through RI Infrastructure Bank (RIIB). The Company is also providing dedicated project management support to several municipalities. The municipalities have indicated this as a high value service in addition to incentives and technical support that National Grid currently offers.
- On March 16th EnergySmart Grocer and National Grid presented an award for the 'EnergySmart Grocer of the Year' to a Rhode Island Food Dealer Association member who showed a strong commitment to energy conservation and participation in energy efficiency programs. The awarded grocer, Dave's Marketplace, was a leader in Rhode Island and completed comprehensive projects in both lighting and refrigeration at multiple locations across their nine store chain.

Small Business Direct Install

- The Small Business Direct Install program has started out the year with a very strong first quarter performance. The Company believes this is due to the effect of increased marketing amongst the customer group.

Finance

- The Company, in partnership with RIIB, OER and the program manager SRS, have been working diligently to bring the Commercial Property Assessed Clean Energy (C-PACE) program to commercial customers in Rhode Island. The first months have been very busy and have involved process mapping, educating towns and vendors, creating procedural and technical documents, and collaborating on marketing materials. The

Company expects the program to officially launch in the second quarter and see the first projects shortly after.

Pilots

- The Company has been preparing for the residential demand response pilot. Outreach to customers should begin in May.

Evaluation

- Site visits and measurements were taken for the C&I Prescriptive Compressed Air (CAIR) study. The report is being produced, with the expectation of completion in the second quarter.
- On the C&I Prescriptive Chiller study, final touches were being added. The completed report is expected in the second quarter.
- The evaluation sample was drawn for the C&I Custom Process study. Tracking information was conveyed and site visits will be scheduled in the second quarter.
- For the C&I Custom HVAC study, the evaluation sample was drawn, tracking information was conveyed, and site visits will be scheduled prior to the summer metering season.
- For the C&I Custom Gas study, metering was installed and picked up during the first quarter. Site reports have begun and draft final report is expected in the second quarter.
- Site visits for the C&I Energy Code Compliance Study has begun. The study is expected to be completed by the end of the second quarter.

Energy Expo:

- The Energy Expo at the RI Home Show from March 31 to April 3 had over 20,000 attendees. National Grid was a co-sponsor along with OER. Through aggressive promotion of the EnergyWise Home Energy Assessment, National Grid received 681 on-site requests for assessments.
- 2,154 product packs were sold by Techniart, the lighting and products pop up retailer which resulted in sales of 13,304 lamps from multipack and individual sales.

Upcoming Events:

- ACEEE Finance Forum will be held in Newport May 22-24, 2016.
- Energy Summit at Gillette Stadium is scheduled for October 13, 2016.

NATIONAL GRID ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND

Table 1. Summary of Electric 2016 Target and Preliminary 1st Quarter Results

ELECTRIC PROGRAMS Sector and Program	(1) Demand Reduction (Annual kW)	(2) Year To Date	(3) Pct Achieved	(4) Energy Savings (Annual MWh)	(5) Year To Date	(6) Pct Achieved	(7) Target	(8) Year To Date	(9) Pct Achieved	(10) Budget	(11) Year To Date	(12) Pct Achieved	(13) Lifetime savings, MWh	(14) \$/kWh	(15) Planned \$/kWh
Commercial and Industrial	Target	Year To Date	Pct Achieved	Target	Year To Date	Pct Achieved	Target	Year To Date	Pct Achieved	Budget	Year To Date	Pct Achieved			
Large Commercial New Construction	1,540	204	13.3%	15,728	706	4.5%	209	62	29.8%	\$6,864.1	\$1,126.1	16.4%	10,899	\$ 0.103	\$ 0.030
Large Commercial Retrofit	13,906	1,620	11.6%	67,030	8,245	12.3%	3,540	484	13.7%	\$22,545.5	\$2,147.5	9.5%	88,886	\$ 0.024	\$ 0.053
Small Business Direct Install	2,507	649	25.9%	12,165	3,516	28.9%	905	251	27.8%	\$8,745.9	\$1,933.4	22.1%	38,626	\$ 0.050	\$ 0.085
Community Based Initiatives - C&I										\$49.6	\$6.8	13.6%			
Commercial Demonstration and R&D										\$296.2	\$1.1	0.4%			
Finance Costs										\$3,000.0	N/A	N/A			
SUBTOTAL	17,953	2,473	13.8%	94,922	12,467	13.1%	4,654	797	17.1%	\$41,501.2	\$5,214.8	12.6%	138,411	0.038	\$ 0.055
Income Eligible Residential															
Single Family - Income Eligible Services	554	134	24.3%	4,061	881	21.7%	2,500	713	28.5%	\$8,656.1	\$1,725.2	19.9%	9,194	\$ 0.188	\$ 0.213
Income Eligible Multifamily	366	31	8.4%	2,830	387	13.7%	5,100	819	16.1%	\$2,531.3	\$287.2	11.3%	4,628	\$ 0.062	\$ 0.102
SUBTOTAL	920	165	18.0%	6,891	1,267	18.4%	7,600	1,532	20.2%	\$11,187.4	\$2,012.5	18.0%	13,822	\$ 0.146	\$ 0.170
Non-Income Eligible Residential															
Residential New Construction	83	16	18.8%	1,213	91	7.5%	512	88	17.2%	\$736.9	\$208.7	28.3%	1,167	\$ 0.179	\$ 0.071
ENERGY STAR® HVAC	235	91	38.5%	1,011	381	37.7%	902	500	55.4%	\$1,219.0	\$314.2	25.8%	4,435	\$ 0.071	\$ 0.138
EnergyWise	1,701	511	30.0%	11,729	3,792	32.3%	8,890	2,942	33.1%	\$9,007.7	\$2,259.7	25.1%	35,295	\$ 0.064	\$ 0.095
EnergyWise Multifamily	579	22	3.7%	4,061	396	9.8%	4,400	1,329	30.2%	\$3,319.1	\$315.3	9.5%	4,139	\$ 0.076	\$ 0.095
ENERGY STAR® Lighting	3,620	1,303	36.0%	43,098	11,202	26.0%	233,992	91,525	39.1%	\$7,362.1	\$1,595.1	21.7%	101,052	\$ 0.016	\$ 0.030
Residential Consumer Products	696	93	13.4%	4,647	526	11.3%	14,095	3,717	26.4%	\$2,085.0	\$202.6	9.7%	3,485	\$ 0.058	\$ 0.080
Home Energy Reports	3,759	1,189	31.6%	32,186	7,758	24.1%	294,013	273,677	93.1%	\$2,796.7	\$681.1	24.4%	7,758	\$ 0.088	\$ 0.087
Energy Efficiency Educational Programs										\$40.1	\$40.0	99.8%			
Residential Demonstration and R&D										\$488.1	\$9.8	2.0%			
Community Based Initiatives - Residential										\$284.4	\$41.5	14.6%			
Comprehensive Marketing - Residential										\$534.0	\$22.1	4.1%			
SUBTOTAL	10,673	3,224	30.2%	97,947	24,146	24.7%	556,804	373,778	67.1%	\$27,873.1	\$5,689.9	20.4%	157,331	\$0.036	\$ 0.055
Regulatory															
EERMC										\$793.1	\$69.6	8.8%			
OER										\$793.1	\$128.6	16.2%			
RI Infrastructure Bank										\$1,441.5	\$0.0	0.0%			
SUBTOTAL										\$3,027.7	\$198.2	6.5%			
TOTAL	29,545	5,863	19.8%	199,760	37,880	19.0%	569,058	376,107	66.1%	\$ 83,589.4	\$ 13,115.4	15.7%	309,564	\$0.042	\$ 0.061
RGGI										\$ 2,331.2	\$ 8.3	0.4%			
System Reliability Procurement										\$ 441.1	\$ 82.0	18.6%			

NOTES

(1)(4)(7) Targets from Docket 4580 - Attachment 5, Table E-7 (electric)

(3) Pct Achieved is Column (2)/ Column (1).

An error was found in kW planning for the ENERGY STAR® Lighting program. The correct kW goal should be 5,049 kW. This would make the percent achieved 25.8%. In turn, the correct kW goal for the Residential Sector should be 12,102 kW and the current percent achieved would be 26.6%. The Company will use the corrected Residential Sector kW goal for its year-end incentive calculation.

(6) Pct Achieved is Column (5)/ Column (4).

(7) Participation was planned and is reported in 'net' terms which takes into account free-ridership and spillover.

(9) Pct Achieved is Column (8)/ Column (7).

(10) Approved Budget includes Implementation and Evaluation budgets from Docket 4580, Attachment 5 Table E-2 (electric).

(11) Year To Date Expenses include Implementation and Evaluation expenses.

\$3,000,000 in finance funds were transferred as authorized to the Large C&I Electric Revolving Loan Fund. Please see Table 3.

RGGI Expenses are counted separate as those funds were not part of the approved 2016 budget. Details on RGGI spend are found in Table 4.

(12) Pct Achieved is Column (11)/ Column (10).

(14) \$/lifetime kWh = Column (11)/Column (13)

(15) Planned \$/lifetime kWh - Attachment 5, Table E-5 (electric)

System Reliability Procurement targets from Docket 4581, not included in Expenses Total

NATIONAL GRID ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND

Table 2. Summary of Gas 2016 Target and Preliminary 1st Quarter Results

GAS PROGRAMS Sector and Program	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	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			
Commercial and Industrial												
Large Commercial New Construction	43,424	2,207	5.1%	152	14	8.9%	\$1,694.7	\$203.3	12.0%	47,917	\$ 4.24	\$ 2.99
Large Commercial Retrofit	133,613	1,321	1.0%	234	15	6.2%	\$4,871.1	(\$151.6)	-3.1%	14,471	\$ (10.48)	\$ 6.39
Small Business Direct Install	3,667	612	16.7%	133	11	8.6%	\$282.4	\$51.6	18.3%	4,037	\$ 12.79	\$ 8.29
Commercial & Industrial Multifamily	9,490	289	3.0%	1,611	78	4.8%	\$754.7	\$26.3	3.5%	3,823	\$ 6.88	\$ 6.52
Commercial Demonstration and R&D							\$97.3	\$3.1	3.2%			
Community Based Initiatives - C&I							\$6.4	\$0.9	13.2%			
Finance Costs							\$500.0	N/A	N/A			
SUBTOTAL	190,194	4,429	2.3%	2,131	118	5.5%	\$8,206.6	\$133.6	1.6%	70,248	\$ 1.90	\$ 5.32
Income Eligible Residential												
Single Family - Income Eligible Services	9,368	2,962	31.6%	500	149	29.8%	\$3,285.5	\$741.4	22.6%	59,240	\$ 12.52	\$ 17.54
Income Eligible Multifamily	19,915	480	2.4%	3,000	367	12.2%	\$2,063.3	\$56.0	2.7%	6,474	\$ 8.65	\$ 5.80
SUBTOTAL	29,283	3,442	11.8%	3,500	516	14.7%	\$5,348.8	\$797.4	14.9%	65,714	\$ 12.13	\$ 9.85
Non-Income Eligible Residential												
EnergyWise	68,117	25,987	38.2%	2,710	887	32.7%	\$6,929.5	\$1,835.9	26.5%	586,506	\$ 3.13	\$ 5.45
Energy Star® HVAC	26,064	3,619	13.9%	2,099	348	16.6%	\$1,619.2	\$301.2	18.6%	61,807	\$ 4.87	\$ 10.19
EnergyWise Multifamily	17,208	397	2.3%	2,625	222	8.5%	\$1,978.6	\$43.2	2.2%	5,835	\$ 7.40	\$ 8.24
Home Energy Reports	53,989	24,419	45.2%	135,689	137,133	101.1%	\$436.6	\$132.5	30.4%	24,419	\$ 5.43	\$ 8.09
Residential New Construction	10,907	1,189	10.9%	375	72	19.2%	\$836.9	\$86.8	10.4%	29,731	\$ 2.92	\$ 4.61
Residential Demonstration and R&D							\$81.3	\$0.2	0.2%			
Comprehensive Marketing - Residential							\$69.8	\$2.3	3.3%			
Community Based Initiatives - Residential							\$25.8	\$3.5	13.8%			
SUBTOTAL	176,284	55,612	31.5%	143,498	138,662	96.6%	\$11,977.7	\$2,405.7	20.1%	708,298	\$ 3.40	\$ 6.65
Regulatory												
EERMC							\$233.3	\$20.6	8.8%			
OER							\$233.3	\$37.5	16.1%			
RI Infrastructure Bank							\$429.0	\$0.0	0.0%			
SUBTOTAL							\$895.5	\$58.1	6.5%			
TOTAL	395,760	63,483	16.0%	149,129	139,295	93.4%	\$ 26,428.6	\$ 3,394.8	12.8%	844,260	\$ 4.02	\$ 6.66

NOTES

(1)(4) Targets from Docket 4580 - Attachment 6, Table G-7 (gas).

(3) Pct Achieved is Column (2)/ Column (1).

(4) Participation was planned and is reported in 'net' terms which takes into account free-ridership and spillover.

(6) Pct Achieved is Column (5)/ Column (4).

(7) Approved Budget includes Implementation and Evaluation budgets from Docket 4580, Attachment 6 Table G-2 (gas).

(8) Year To Date Expenses include Implementation and Evaluation expenses.

Large Commercial Retrofit shows negative spend due to a credit being applied to the program in 2016 for incentives paid out for loans in 2015. Actual incentives paid out in Q1 2016 equal \$21,027.

\$500,000 in finance funds were transferred as authorized to the C&I Gas Revolving Loan Fund. Please see Table 3.

(9) Pct Achieved is Column (8)/ Column (7).

(10) \$/lifetime MMBtu = Column (8)*1000/Column (10)

(12) Planned \$/lifetime MMBtu - Attachment 6, Table G-5 (gas).

Table 3
National Grid
Revolving Loan Funds

Large C&I Electric Revolving Loan Fund			Small Business Electric Revolving Loan Fund		
	FB				
(1)	2016 Funds Available	\$14,115,728	(1)	2016 Funds Available	\$2,242,136
(2)	2016 Loan budget	\$11,000,000	(2)	2016 Loan Budget	\$2,870,000
(3)	Committed	\$2,833,902	(3)	Committed	\$523,144
(4)	Paid	\$584,387	(4)	Paid	\$934,328
(5)	Number of loans	15	(6)	Participants	270
(6)	Participants	7	(7)	Savings (MWh)	3,516
(7)	Savings (MWh)	1,869	(8)	Available	\$1,412,528
(8)	Available	\$7,581,711			
Rhode Island Public Energy Partnership (RI PEP)			C&I Gas Revolving Loan Fund		
(9)	2016 Funds Available	\$993,365	(1)	2016 Funds Available	\$1,682,732
(10)	Committed	\$339,487	(2)	2016 Loan budget	\$1,600,000
(11)	Paid	\$205,285	(3)	Committed	\$230,172
(12)	Repayments	\$78,963	(4)	Paid	\$442,861
(13)	Participants	2	(6)	Participants	5
(14)	Savings (MWh)	769	(7)	Savings (MMBtu)	1,006
(15)	Available	\$527,557	(8)	Available	\$926,968

Notes

- ¹ Amount available as of January 1, 2016, including 2016 fund injections detailed in Table E-10 and G-10. The C&I Gas Loan Fund also includes the injection of \$300,000 as approved by the EE Collaborative on March 21, 2016.
- ² Budget adopted by Sales Team for 2016 operations. Budget includes projections of repayments made during 2016.
- ³ As of March 31, 2016
- ⁴ As of March 31, 2016
- ⁵ As of March 31, 2016
- ⁶ Unique customer names for large business and unique customer accounts for small business (not adjusted for net-to-gross).
- ⁷ As of March 31, 2016
- ⁸ Available funds as of March 31, 2016 not including repayments.
- ⁹ Funds available as of January 1, 2016
- ¹⁰ As of March 31, 2016
- ¹¹ As of March 31, 2016
- ¹² As of March 31, 2016
- ¹³ As of March 31, 2016 - 2 entities with 9 applications.
- ¹⁴ As of March 31, 2016
- ¹⁵ Available funds as of March 31, 2016

Table 4
2016 RGGI Budget and Spend

Initiative	2016 Budget	Spend
RI Public Energy Partnership Incentives	\$ 600,000	\$ -
Residential Delivered Fuels	\$ 1,300,134	***
Agricultural Delivered Fuels	\$ 255,446	\$ 3,320
Heat Pump Study	\$ 175,585	\$ 5,025
Total	\$ 2,331,165	\$ 8,345

Notes

1. *** As of March 31, 2016 National Grid spent \$552,485 on Residential Delivered Fuels from the EnergyWise Single Family Electric budget since RGGI funds were not yet received. This is currently shown as an expense in Table 1 under the EnergyWise Single Family Electric program. Once the Company receives the RGGI funds it will credit the \$552,485 back to the EnergyWise program.

2. Budgets may differ from quarterly and annual RGGI reports delivered to the Office of Energy Resources as they represent funds available for program year 2016, net of previous year's spend.

3. 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.

Rhode Island Energy Efficiency

Second Quarter 2016 | National Grid

August 4th, 2016

Overview

During the second quarter, National Grid built upon its strong first quarter foundation with continued focus on growing customer participation and savings.

Residential programs continued to excel during the second quarter. Residential New Construction had 105 new units enrolled in the Program, bringing total enrollments this year to 337, which is 61% of the overall goal, and completed units to 160. In addition, the EnergyWise program completed 2,317 audits and 394 gas weatherization jobs. The income eligible program also continues to make great progress on process. The new field Operations Manual was finalized and distributed to Community Action Program (CAP) agencies. Another achievement was that the RI Energy Challenge: Find Your Four! was awarded the Environmental Protection Agency's National Clean Air Excellence Award for outstanding education and community outreach program.

The Commercial and Industrial sector programs also had strong performance in the second quarter. The Company signed the System Energy Management Project (SEMP) with the state and moved into the project identification and planning phase. The Small Business Direct Install program continued its strong start to the year in the second quarter. The Company's best projections indicate that Small Business will meet 100% of the electric and gas goals assigned to it.

The Company's collaboration with the RI Infrastructure Bank (RIIB) promoted 18 million dollars of financing. Over 10 million dollars was awarded for energy efficiency to the following five communities for street lights and municipal building projects: Providence, Cranston, Pawtucket, West Warwick and Westerly.

At the halfway point, the Company is projecting that we will reach 99% of the electric savings goal and 101% of the gas savings goal. The Company is looking forward to building off the momentum gained in the first two quarters to ensure a strong finish in the second half of the program year.

2016 Program & Initiative Updates

Residential New Construction

The residential new construction program had a strong second quarter.

- 72 units were completed, with new construction equaling 97% of the total and income eligible equaling 49%.
- 51 homes achieved Tier II savings (a minimum of 25% savings over the program baseline).
- 105 new units were enrolled in the Program, bringing total enrollments this year to 337, which is 61% of the overall goal.
- There was a significant increase in enrollments of electric heat and delivered fuel projects, which is a significant change. Over the past decade approximately 90% of projects have had gas heat. This will affect budget allocations for 2017 and beyond.
- Customer success case study:
 - Homeowner Driven Project in Grand View Drive, Warwick
 - The homeowner took advantage of the initial modeling consultation provided through the RNC Program. The homeowner not only followed advice on building enclosure, they also installed solar on this all electric home. They scored a HERS Index of 11, and achieved 88% savings over the User Defined Reference Home (UDRH), 38% from the building enclosure and mechanical systems and 50% from solar. A variety of energy efficiency measures were installed, including Air source heat pump, efficient heat pump water heater, Energy Star appliances, and LED lighting.

Income Eligible

- Two Weatherization Technical Committee (WTC) meetings were held in the second quarter. Topics included updates on Background Checks, Hancock training, BPI Heating Professional Training (to begin in the third quarter), Residential Energy Dynamics (RED) calculations and ASHRAE implementation.
- Rhode Island Department of Human Services (DHS), Contractors, and CLEARResult participated in RED Calc training with Paul Raymer, ASHRAE 62.2 Committee Secretary.
- The program Operations Manual Final Draft was distributed at the WTC meeting. The final Operations Manual will be distributed to Community Action Programs (CAP) agencies on July 1, 2016. The manual contains all policies and procedures for the program as well as all forms, appendices and client information documents.
- The implementation of the National Grid Background Check program continued in the second quarter. CLEARResult has contacted every Contractor on the states roster and is working with CAP agencies to smoothly integrate the Background Check policy. The Rhode Island Dept. of Human Services has collaborated with CLEARResult and requires all

contractors implementing DHS funded projects to have met the requirements of the National Grid Background Check program, effective May 20, 2016.

- The program vendor, CLEAResult, participated in several Energy Expo's around RI. The purpose of the expos was to help the neediest customers to understand how to reduce their energy bills and manage their energy expenses. CLEAResult also presented an overview of the Weatherization program to trainees at the Groundworks project in Providence.

EnergyWise

- 2,317 audits were completed in the second quarter. Numerous marketing efforts are underway including radio adds, information on Home Energy Reports, email, and bill inserts to generate interest in the program. Low fuel prices have impacted consumer interest in reducing their energy use and saving money.
- 16 companies were given the Century Club Award by ENERGY STAR for completing 100 or more weatherization projects in 2015.
- 153 HEAT loans were completed in the second quarter for a total of \$791 in funding.
- 394 gas weatherization projects were completed in the second quarter.



EnergyWise and Income Eligible Multifamily

- National Grid took part in NEEP's Multifamily Leader's conference at the Boston EPA headquarters in June where best practices were reviewed and brainstorming on the future of Multifamily was undertaken.
- The RI Multifamily Working Group held meetings in the second quarter on process and program flow and suspended meetings for the summer to focus on the drafting of the 2017 Energy Efficiency Plan.
- Benchmarking of an additional 75 Low Income buildings was designed in June of 2016. Benchmarking will take place through the rest of the calendar year.
- Both gas and electric standard income multifamily programs have strong pipelines for projects and there are no updates or concerns at this time.
- Income Eligible gas remained a bit slow during the second quarter but begun a rebound due to the targeting of "triple decker" sites and a growing pipeline of projects. The vendor has used benchmarking data from the 2014-15 program years to address this. The electric portfolio is strong with over half of the year's savings achieved through the second quarter.
- While behind in the first quarter, Gas C&I is now seeing very strong performance with savings tracking ahead of budget and almost 60% of the year's saving goal already met. Pipeline for more projects remains active.

ENERGYSTAR® Lighting and Appliances

- Many manufactures have lighting products tested and pre-certified that meet the ENERGY STAR version 2.0 specification which will begin in January, 2017. In preparation for the new products, retail stores have had the existing version of ENERGY STAR products selling at discounted prices.
- The Refrigerator Recycling program relaunched in June, 2016. The number to call for recycling is 877-889-4762.
- Independent appliance retailers were recruited for a markdown opportunity on room air conditioners that began in early June.

ENERGYSTAR® HVAC (Heating and Cooling)

- The first of two planned contractor networking and training took place during the second quarter. The training included a recap of the previous years' performance, updates to the 2016 programs and a review of the planned marketing activity.
- Three classroom trainings were conducted for Airflow and Charge Check (AC Check) technicians in preparation for the 2016 summer cooling season. An online training session 'Airflow basics' was made available to contractors to supplement their classroom trainings. This online training tool was also used as part of the program outreach and education with trade ally partners, including supply houses, distributors and manufacturers.

Home Energy Reports

- In the second quarter, National Grid ran a module on promoting Home Energy Assessments through the digital and print version of the Home Energy Report.
- The team designed a "Summer Coach" program to launch in the third quarter with the goal of educating customers via email and phone call about the importance of setting your thermostat to 78* during unusually hot days.
- National Grid continued roll out of HER 2.0, a more comprehensive energy report.

Community Initiative

- The towns of Narragansett and Charlestown wrapped their campaigns during the second quarter. Both towns were successful in reaching the goal of signing up over 5% of households for the Challenge, thus making them eligible for \$5,000 in energy efficiency upgrades at a public building.
- Little Compton and Tiverton kicked off promotions for the RI Energy Challenge. Supporting efforts of the company's DemandLink Program, a focus of Tiverton and Little Compton will be to increase the number of Home Energy Assessments through the summer.
- The RI Energy Challenge: Find Your Four! was awarded the Environmental Protection Agency's National Clean Air Excellence Award for outstanding education and community outreach program.

Codes Initiative

- Adoption of the new energy code in 2016 has come to a standstill due to a recently enacted Executive Order that requires all sections of the code to undergo an economic analysis by the Office of Regulatory Reform (ORR).
- National Grid and CLEAResult met with the Building Commissioner in July. He recommended that we proceed with training on 2015 IECC in the fall. While the adoption date is not set, he believed that the energy code was more or less final.
- While classroom trainings were not held during the second quarter CCEI continued to promote and support Circuit Rider services and infield trainings. 15 Circuit Rider phone calls were received (11 residential and 4 commercial), 5 site visits took place (4 residential and 1 commercial), and 2 residential infield duct blaster trainings with 10 attendees were scheduled.
- The University of Rhode Island recently completed construction on a new chemistry building. Two tours will be conducted on this project on August 24th, one during the day, which is easier for code officials to attend, and one during the evening. The date coincides with the monthly Rhode Island Building Officials Association (RIBOA) meeting, which will be held at URI prior to the first tour. This event provides a perfect opportunity to educate attendees about upcoming changes to the commercial code. A one hour overview presentation has been developed addressing key changes. This training will be delivered immediately after the first tour.

Large Commercial New Construction

- The Company has seen an increasing flow of 1x4, 2x2, and 2x4 luminaires come through the upstream path. However, the company was not satisfied with the total volume. After consulting with various market players, the Company decided to increase the incentive slightly to drive more participation in the initiative. Currently, the initiative is project to reach 90% of its aggressive goals.
- The RFP for a new vendor on upstream HVAC was released on July 12th and is expected to close on August 2nd.
- The Building Operator Certificate Level I class in Providence was wrapped up on July 13th.
- Providence, Bristol, and Barrington purchased their street lights. Providence is in the process of replacing all of their street lights with LEDs and controls.

Large Commercial Retrofit

- The state System Energy Management Project (SEMP) has been signed. Projects are being identified and planned. Since new construction was included in the SEMP, two new construction projects at the Pastore campus have signed commitments and proceeded along the whole building approach. These projects, a new building for the Attorney General's offices and a renovation of the Virks building, have overall energy saving targets of 15% beyond the energy code.

- On Combined Heat and Power (CHP), one Large Commercial and Industrial (LCI) manufacturer witnessed the testing and debugging heat recovery of a 75 KW system in July. Post inspection is scheduled for August. One LCI manufacturer proceeded and started the installation of a 1,250 KW system, with the goal for post-inspection in December. One more LCI manufacturer approached the Company for a 7.5 MW system to be up and running in the first quarter of 2018.

Small Business Direct Install

- The Small Business Direct Install (SMB/DI) program continued its strong start to the year in the second quarter. The Company's best projections indicate that the program will meet 100% of the electric and gas goals assigned to it. Customer success stories will start up again in the third quarter after the second draft of the 2017 plan is complete.

Finance

- RI Infrastructure Bank (RIIB) closed \$18M of financing on July 8. Over \$10M was awarded for energy efficiency to the following five communities for street lights and municipal building projects: Providence, Cranston, Pawtucket, West Warwick and Westerly. The remaining approximately \$8M was awarded for renewable energy. The goal is for towns to utilize the funding within the next fiscal year ending June 30, 2017.

Pilots

- The Connected Solutions pilot began in June and will test consumer's experience with connected Wifi thermostats. Initial recruitment began by email with over one-hundred customers enrolled.

Evaluation

- The C&I Prescriptive Compressed Air (CAIR) report was completed and provided new deemed savings values, which generally increased based on finding more run hours than previously assumed.
- The C&I Prescriptive Chiller study was completed, and increased deemed savings values slightly.
- On the C&I Custom Process study, site metering is on-going after having some difficulty getting into a few customer sites.
- For the C&I Custom HVAC study, several sites have had metering installed, with remaining sites in process.
- For the C&I Custom Gas study, the Custom Gas report was completed with an improvement in the realization rate over the former value.
- The C&I Energy Code Compliance Study is in the analysis phase. The study is expected to be completed by mid September.
- The C&I On-Bill Repayment evaluation began during the second quarter. Results are expected by early September.

Upcoming Events:

- Senator Whitehouse's Energy & Environmental Leadership Day will be on September 30, 2016.

- Energy Summit at Gillette Stadium is scheduled for October 13, 2016.
- High Performance Schools Conference at Rhode Island College is scheduled for October 21, 2016.

NATIONAL GRID ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND

Table 1. Summary of Electric 2016 Target and Preliminary 2nd Quarter Results

ELECTRIC PROGRAMS 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		
	Year To Target	Date	Pct Achieved	Pct Projected	Year To Target	Date	Pct Achieved	Pct Projected	Year To Target	Date	Pct Achieved	Year To Budget	Date	Pct Achieved			
Commercial and Industrial																	
Large Commercial New Construction	1,540	683	44.3%		15,728	3,198	20.3%		209	95	45.6%	\$6,864.1	\$2,434.3	35.5%	47,885	\$ 0.051	\$ 0.030
Large Commercial Retrofit	13,906	3,519	25.3%		67,030	17,358	25.9%		3,540	1,197	33.8%	\$22,545.5	\$4,789.6	21.2%	181,901	\$ 0.026	\$ 0.053
Small Business Direct Install	2,507	1,312	52.3%		12,165	6,933	57.0%		905	502	55.5%	\$8,745.9	\$4,226.3	48.3%	75,920	\$ 0.056	\$ 0.085
Community Based Initiatives - C&I												\$49.6	\$20.3	40.9%			
Commercial Demonstration and R&D												\$296.2	\$40.6	13.7%			
Finance Costs												\$3,000.0	N/A	N/A			
SUBTOTAL	17,953	5,513	30.7%	98.0%	94,922	27,489	29.0%	100.0%	4,654	1,794	38.5%	\$41,501.2	\$11,511.0	27.7%	305,706	\$ 0.038	\$ 0.055
Income Eligible Residential																	
Single Family - Income Eligible Services	554	362	65.4%		4,061	2,091	51.5%		2,500	1,457	58.3%	\$8,656.1	\$3,536.6	40.9%	21,744	\$ 0.163	\$ 0.213
Income Eligible Multifamily	366	92	25.1%		2,830	1,417	50.1%		5,100	1,928	37.8%	\$2,531.3	\$1,004.8	39.7%	15,920	\$ 0.063	\$ 0.102
SUBTOTAL	920	454	49.4%	80.0%	6,891	3,508	50.9%	100.0%	7,600	3,385	44.5%	\$11,187.4	\$4,541.4	40.6%	37,664	\$ 0.121	\$ 0.170
Non-Income Eligible Residential																	
Residential New Construction	83	30	36.1%		1,213	193	15.9%		512	160	31.3%	\$736.9	\$251.2	34.1%	2,834	\$ 0.089	\$ 0.071
ENERGY STAR® HVAC	235	167	70.9%		1,011	611	60.4%		902	854	94.6%	\$1,219.0	\$588.1	48.2%	7,386	\$ 0.080	\$ 0.138
EnergyWise	1,701	1,158	68.1%		11,729	7,851	66.9%		8,890	5,439	61.2%	\$9,007.7	\$3,773.3	41.9%	72,197	\$ 0.052	\$ 0.095
EnergyWise Multifamily	579	105	18.1%		4,061	1,772	43.6%		4,400	4,590	104.3%	\$3,319.1	\$1,272.8	38.3%	19,437	\$ 0.065	\$ 0.095
ENERGY STAR® Lighting	5,049	2,892	57.3%		43,098	24,929	57.8%		233,992	186,016	79.5%	\$7,362.1	\$3,468.9	47.1%	237,033	\$ 0.015	\$ 0.030
Residential Consumer Products	696	177	25.4%		4,647	1,016	21.9%		14,095	8,592	61.0%	\$2,085.0	\$572.1	27.4%	6,601	\$ 0.087	\$ 0.080
Home Energy Reports	3,759	1,278	34.0%		32,186	13,950	43.3%		294,013	275,145	93.6%	\$2,796.7	\$1,363.2	48.7%	13,950	\$ 0.098	\$ 0.087
Energy Efficiency Educational Programs												\$40.1	\$40.0	99.8%			
Residential Demonstration and R&D												\$488.1	\$26.2	5.4%			
Community Based Initiatives - Residential												\$284.4	\$123.2	43.3%			
Comprehensive Marketing - Residential												\$534.0	\$210.9	39.5%			
SUBTOTAL	12,102	5,806	48.0%	98.0%	97,947	50,320	51.4%	98.0%	556,804	480,795	86.3%	\$27,873.1	\$11,689.8	41.9%	359,438	\$0.033	\$ 0.055
Regulatory																	
EERMC												\$793.1	\$190.0	24.0%			
OER												\$793.1	\$327.6	41.3%			
RI Infrastructure Bank												\$1,441.5	\$0.0	0.0%			
SUBTOTAL												\$3,027.7	\$517.6	17.1%			
TOTAL	30,975	11,773	38.0%	98.0%	199,760	81,318	40.7%	99.0%	569,058	485,974	85.4%	\$ 83,589.4	\$ 28,259.9	33.8%	702,808	\$0.040	\$ 0.061
RGGI												\$ 2,155.6	\$1,099.6	51.0%			
System Reliability Procurement												\$ 441.1	\$190.9	43.3%			

NOTES

(1)(5)(9) Targets from Docket 4580 - Attachment 5, Table E-7 (electric)

(3) Pct Achieved is Column (2)/ Column (1).

An error was found in kW planning for the ENERGY STAR® Lighting program. The filed goal was 3,620 kW and the filed Residential Sector goal was 10,673 kW. The correct kW goal should be 5,049 kW and is reflected in the tables above. The Company will use the corrected Residential Sector kW goal for its year-end incentive calculation.

An error was found in kW planning for the multifamily programs. The corrected EnergyWise Multifamily goal is 185 kW, making progress to date 56.5% of goal. The corrected Income Eligible Multifamily goal is 117 kW, making progress to date 78.5% of goal.

(7) Pct Achieved is Column (6)/ Column (5).

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.

(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 4580, Attachment 5 Table E-2 (electric).

(13) Year To Date Expenses include Implementation and Evaluation expenses.

\$3,000,000 in finance funds were transferred as authorized to the Large C&I Electric Revolving Loan Fund. Please see Table 3.

RGGI Expenses are counted separate as those funds were not part of the approved 2016 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 4581, not included in Expenses Total

NATIONAL GRID ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND
Table 2. Summary of Gas 2016 Target and Preliminary 2nd Quarter Results

GAS PROGRAMS 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	Pct Projected	Approved Target	Year To Date	Pct Achieved	Approved Budget	Year To Date	Pct Achieved			
Commercial and Industrial													
Large Commercial New Construction	43,424	4,021	9.3%		152	29	19.3%	\$1,694.7	\$258.9	15.3%	83,235	\$ 3.11	\$ 2.99
Large Commercial Retrofit	133,613	17,020	12.7%		234	51	21.8%	\$4,871.1	\$831.2	17.1%	145,548	\$ 5.71	\$ 6.39
Small Business Direct Install	3,667	693	18.9%		133	19	14.3%	\$282.4	\$69.5	24.6%	4,975	\$ 13.97	\$ 8.29
Commercial & Industrial Multifamily	9,490	5,697	60.0%		1,611	410	25.4%	\$754.7	\$138.5	18.3%	84,121	\$ 1.65	\$ 6.52
Commercial Demonstration and R&D								\$97.3	\$10.7	11.0%			
Community Based Initiatives - C&I								\$6.4	\$2.6	39.7%			
Finance Costs								\$500.0	N/A	N/A			
SUBTOTAL	190,194	27,431	14.4%	100.0%	2,131	509	23.9%	\$8,206.6	\$1,311.3	16.0%	317,879	\$ 4.13	\$ 5.32
Income Eligible Residential													
Single Family - Income Eligible Services	9,368	6,844	73.1%		500	325	65.0%	\$3,285.5	\$1,687.5	51.4%	136,888	\$ 12.33	\$ 17.54
Income Eligible Multifamily	19,915	3,807	19.1%		3,000	819	27.3%	\$2,063.3	\$281.5	13.6%	55,315	\$ 5.09	\$ 5.80
SUBTOTAL	29,283	10,652	36.4%	93.0%	3,500	1,144	32.7%	\$5,348.8	\$1,969.0	36.8%	192,203	\$ 10.24	\$ 9.85
Non-Income Eligible Residential													
EnergyWise	68,117	42,605	62.5%		2,710	1,604	59.2%	\$6,929.5	\$3,286.2	47.4%	954,322	\$ 3.44	\$ 5.45
Energy Star® HVAC	26,064	7,729	29.7%		2,099	715	34.0%	\$1,619.2	\$570.6	35.2%	130,792	\$ 4.36	\$ 10.19
EnergyWise Multifamily	17,208	3,928	22.8%		2,625	1,106	42.1%	\$1,978.6	\$256.8	13.0%	61,889	\$ 4.15	\$ 8.24
Home Energy Reports	53,989	44,665	82.7%		135,689	136,327	100.5%	\$436.6	\$264.9	60.7%	44,665	\$ 5.93	\$ 8.09
Residential New Construction	10,907	1,904	17.5%		375	135	36.0%	\$836.9	\$322.1	38.5%	47,519	\$ 6.78	\$ 4.61
Residential Demonstration and R&D								\$81.3	\$0.2	0.2%			
Comprehensive Marketing - Residential								\$69.8	\$31.3	44.8%			
Community Based Initiatives - Residential								\$25.8	\$11.9	46.1%			
SUBTOTAL	176,284	100,830	57.2%	103.0%	143,498	139,887	97.5%	\$11,977.7	\$4,743.9	39.6%	1,239,187	\$ 3.83	\$ 6.65
Regulatory													
EERMC								\$233.3	\$55.9	24.0%			
OER								\$233.3	\$95.1	40.8%			
RI Infrastructure Bank								\$429.0	\$0.0	0.0%			
SUBTOTAL								\$895.5	\$151.0	16.9%			
TOTAL	395,760	138,913	35.1%	101.0%	149,129	141,540	94.9%	\$ 26,428.6	\$ 8,175.1	30.9%	1,749,269	\$ 4.67	\$ 6.66

NOTES
(1)(5) Targets from Docket 4580 - 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.
(4) 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 4580, Attachment 6 Table G-2 (gas).
(9) Year To Date Expenses include Implementation and Evaluation expenses.
\$500,000 in finance funds were transferred as authorized to the C&I Gas Revolving Loan Fund. Please see Table 3.
(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 3
National Grid
Revolving Loan Funds

Large C&I Electric Revolving Loan Fund

(1)	2016 Funds Available	\$14,115,728
(2)	2016 Loan budget	\$11,000,000
(3)	Committed	\$3,463,087
(4)	Paid	\$1,264,908
(5)	Number of loans	30
(6)	Participants	16
(7)	Savings (MWh)	4,754
(8)	Available	\$6,272,005

Small Business Electric Revolving Loan Fund

(1)	2016 Funds Available	\$2,242,136
(2)	2016 Loan Budget	\$2,870,000
(3)	Committed	\$424,476
(4)	Paid	\$1,712,051
(6)	Participants	734
(7)	Savings (MWh)	6,933
(8)	Available	\$733,473

Rhode Island Public Energy Partnership (RI PEP)

(9)	2016 Funds Available	\$993,365
(10)	Committed	\$270,321
(11)	Paid	\$274,451
(12)	Repayments	\$157,272
(13)	Participants	2
(14)	Savings (MWh)	1,364
(15)	Available	\$605,866

C&I Gas Revolving Loan Fund

(1)	2016 Funds Available	\$1,682,732
(2)	2016 Loan budget	\$1,600,000
(3)	Committed	\$320,000
(4)	Paid	\$536,230
(6)	Participants	7
(7)	Savings (MMBtu)	14,292
(8)	Available	\$743,770

Notes

- ¹ Amount available as of January 1, 2016, including 2016 fund injections detailed in Table E-10 and G-10. The C&I Gas Loan Fund also includes the injection of \$300,000 as approved by the EE Collaborative on March 21, 2016.
- ² Budget adopted by Sales Team for 2016 operations. Budget includes projections of repayments made during 2016.
- ³ As of June 30, 2016
- ⁴ As of June 30, 2016
- ⁵ As of June 30, 2016
- ⁶ Unique customer names for large business and unique customer accounts for small business (not adjusted for net-to-gross).
- ⁷ As of June 30, 2016
- ⁸ Available funds as of June 30, 2016 not including repayments.
- ⁹ Funds available as of January 1, 2016
- ¹⁰ As of June 30, 2016
- ¹¹ As of June 30, 2016
- ¹² As of June 30, 2016
- ¹³ As of June 30, 2016 - 2 entities with 12 applications.
- ¹⁴ As of June 30, 2016
- ¹⁵ Available funds as of June 30, 2016

Table 4
2016 RGGI Budget and Spend

Initiative	2016 Budget	Spend
RI Public Energy Partnership Incentives	\$ 600,000	\$ 254,824
Residential Delivered Fuels	\$ 1,300,134	\$ 839,619
Agricultural Delivered Fuels	\$ 255,446	\$ 5,167
Total	\$ 2,155,580	\$ 1,099,610

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 2016, 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.

Rhode Island Energy Efficiency

Third Quarter 2016 | National Grid

November 3rd, 2016

Overview

During the third quarter, National Grid built upon the momentum from the first half of the year and is forecasting to finish 2016 strong. Most programs are on track to meet savings goal while EnergyWise on the electric side and Income-eligible Single Family on the gas side have already exceeded their 2016 savings goals.

Residential programs continued to have strong performance in the third quarter. Residential New Construction completed 158 new units and EnergyWise completed 7,278 audits and 2,006 weatherization jobs. New product delivery channels and marketing efforts were developed in the residential lighting program. Cross program integration is explored through adding two new email modules in the Home Energy Reports program to promote the refrigerator recycling rebate program and highlight a new DemandLink program. In addition, the RI Energy Challenge: Find Your Four! continues to make great strides in promoting energy efficiency: Towns of Tiverton and Little Compton both successfully completed the Energy Challenge with 448 Tiverton residents and 199 Little Compton residents pledging to be more efficient.

The Commercial and Industrial sector programs gained great momentum in the third quarter. The program is expected to meet both the electric and the gas savings goal. The State System Energy Management Project (SEMP) is being carried out as planned. The Company is working with the small business program lead vendor to launch SolarWise to the small business participants. On street lighting. Cranston has purchased street lights and is in the process of replacing their street lighting with LEDs. The RI Infrastructure Bank opened up round two of Efficient Buildings Fund Application period, and the Company will be providing energy audits and engineering analysis to help public entities identify energy saving opportunities.

During the third quarter, the Company was also hard at work developing the 2017 Energy Efficiency Program Plan. The Plan looks to build upon the success of 2016 by exploring innovative savings opportunities and reaching more customers with greater savings in a highly cost-effective manner.

Overall, with increased momentum and year-end transactions nearing completion, the Company is projecting that it will reach 101% of the electric savings target and 103% of the gas savings target.

2016 Program & Initiative Updates

Residential New Construction (RNC)

The residential new construction program had a strong third quarter.

- There were 158 units completed during this quarter with 80 homes achieved Tier II and 8 achieved Tier III.
- There were 61 new units enrolled in the Program, bringing total enrollments to 398, which is 72% of the overall goal.
- The Company and the lead vendor's RNC team and the C&I Sales team developed a partnership to identify additional savings opportunities for new construction projects. Approximately 12 current and upcoming projects have been identified as opportunities for both RNC and C&I, and most will benefit from a shared approach.
- 2016 continues to have an increase in enrollments of electric heat and delivered fuel projects, which is a significant change from prior years.
- Customer success case study:
 - Enrollment Highlight:
In Cranston, a 45-unit project was enrolled in the second quarter and completed during the third quarter. This project achieved a HERS Index of 60, qualified for Tier II incentives and is Zero Energy Ready.



- Affordable Housing Project Highlights:
Southside Revitalization located on Arch, Bridgham, Lester, Broad, Public and Prairie Streets in Providence is a 26-unit new construction affordable housing project developed by SWAP (Stop Wasting Abandoned Property). The first 9 units were completed during the third quarter. These units achieved a HERS Index ranging from 54-60 and all met Tier II. All units were verified as Energy Star®.

Income Eligible

- Two Weatherization Technical Committee (WTC) meetings were held in the third quarter. Topics included the Department of Human Services (DHS) monitoring visit, gas leak protocol, AC delivery, Knob & Tube deferral and ASHRAE 62.2 implementation.
- The RI low-income Weatherization Assistance Program (WAP/IES) Operations Manual Final was distributed at the July 14 WTC meeting. The

manual contains all policies and procedures for the program, forms, appendices and client information documents needed to complete all audits.

- The RI WAP/IES Weatherization Bid process began in the third quarter and is anticipated to produce an updated price list in the fourth quarter. The Weatherization Bid will be tied to the Department of Energy's Standard Work Specification (SWS) and the RI WAP/IES Field Manual, ensuring consistent measure installation across the state.
- Mid-year review budget and performance meetings were conducted with each agency. Most agencies were at or above budget and goals. Agencies below budget or goal are implementing plans to reach budget and goals. Two agencies added extra personnel to reach goals.
- The National Grid Background Check program continued in the third quarter, with an emphasis on specialty contractors (electricians, chimney service, disaster prep, etc.). The Rhode Island DHS has collaborated with CLEAResult and requires all contractors implementing DHS funded projects to have met the requirements of the National Grid Background Check program.
- CLEAResult conducted training in the third quarter to introduce the new Second AMP process developed by National Grid.
- The first seven RI WAP/IES Auditors began the Building Performance Institute (BPI) Heating Professional Training and several received certification. This program will ensure that the front-line staff is familiar with the safety and efficiency opportunities of various heating system equipment.
- Several meetings were held with Tri-Town to prepare and implement the merger with South County Community Action Programs (CAP) in the fourth quarter.

EnergyWise

- 7,278 audits and 2006 weatherization jobs were completed through the third quarter.
- 615 loans were completed through the third quarter, totaling \$3.4 million loaned.
- Audit staff is now comprised of eight two-person teams, which allows a more thorough audit since one member of the team concentrates on direct install of efficiency improvements while the other focuses on customer education and efficiency solutions.
- The mechanical ventilation/bath fan pre-weatherization pilot has completed installations. Continued monitoring and a report of findings will follow.
- Audit staff is transitioning to tablets for audits where customers can sign electronically thereby simplifying paperwork and processing time.

EnergyWise and Income Eligible Multifamily

- The Company has begun working on an RFP for MF lead vendor services that will be released at the end of the fourth quarter.
- Benchmarking of 75 buildings by vendor New Ecology and Wegowise

continued through the third quarter.

- Market rate electric has seen strong gains and is on track for goal. There has been a slight slowdown in market rate gas.
- Income Eligible Electric had strong performance through the third quarter and is expected to surpass goal during the fourth quarter. The Income Eligible gas program saw increases in pipeline performance and savings through the third quarter.
- Continued strong performance through the third quarter has led nearing savings goal in C&I Gas.

ENERGYSTAR® Lighting and Appliances

- An online pilot with Home Depot for sales of Ecosmart LEDs began at the end of August.
- Efforts are also underway to work with Amazon for online lighting promotions.
- The RI Energy Education Association is allowing the Company to promote the School Fundraiser Program through their email list, which will increase interest among non-participating schools.
- The appliance and consumer electronics in store survey was completed during the third quarter.
- Upstream incentives of pool pumps which began in 2016 is well supported in RI and increased sales by over 80% over 2015.
- Dehumidifiers were also popular items for purchase during the third quarter.

ENERGYSTAR® HVAC (Heating and Cooling)

- The third quarter focused on trade ally and workforce development, in terms of engaging trade allies at all tiers of the supply/delivery chain and creating opportunities for program promotion and training.
- Strategies below were developed for increasing year-end program production:
 - Cross promotion of gas program through Find Your Four! communications.
 - Marketing push on t-stats and heating systems.
 - Email blasts sent to home energy assessment customers who expressed interest in gas water heaters/heating systems during energy assessment.
 - In-store instant rebates.
 - Hosting quarterly meetings with contractors.

Home Energy Reports

- During the third quarter, the Home Energy Report program helped customers save 8,358 MWh and 66,206 Therms.
- Digital engagement was slightly up from last quarter, with an average email open rate of 35% compared to 31% the previous quarter. The click-through rate was slightly down from last quarter with a rate of 1.9% compared to 2.3% the previous quarter.

- The third quarter customer experience consisted of the standard neighbor comparison, twelve-month comparison, various personalized energy efficiency tips, and modules to promote National Grid energy efficiency programs.
- In the third quarter, the program design was altered to provide a boost in savings for electric usage. These changes included adding an extra report in August and turning on eHERs for all customers who had provided email addresses.
- In addition to the changes in the number of reports, the program added two new email modules to promote a refrigerator recycling rebate program and highlight a new DemandLink program that National Grid is running for a subset of its customers.

Community Initiative

- In the third quarter, the towns of Tiverton and Little Compton successfully completed the Energy Challenge with 448 Tiverton Residents pledging to be more efficient and 199 Little Compton residents doing the same.
- To support the DemandLink program currently underway in Tiverton and Little Compton, residential audits were a primary focus of community communications. By the end of campaign, 100 audit requests came through the program.
- Both towns of Barrington and Bristol passed resolutions to support the Energy Challenge and began participating as the 5th and 6th communities of the year.

Codes Initiative

- The adoption process for the new code continues to be at a standstill. A recently enacted Executive Order requires all sections of the code to undergo an economic analysis by the Office of Regulatory Reform (ORR). The energy code was selected first and successfully made its way through this process. However, progress on the remaining codes has come to a halt. The state is now issuing an RFP to identify a third party to assist with this analysis. As the building commission intends to adopt all building codes as one, the timeline for adoption of the energy code is very uncertain and will likely not occur until 2017.



- CCEI continued to promote and support Circuit Rider services and infield trainings during the third quarter. 7 Circuit Rider phone calls were received (6 residential and 1 commercial), and 1 residential Circuit Rider site visit took place. Two residential infield trainings were held for contractors

addressing blower door and duct testing methods and requirements. Two onsite trainings were held for Vocational School students addressing code performance requirements in various states and how test results determine whether or not a house passes.

- A classroom training was held in August highlighting upcoming changes to the commercial energy code, and two tours took place at the University of Rhode Island.

Large Commercial New Construction

- The program is on track to meet its electric and gas goals. Most gas savings are expected to be claimed in the November/December timeframe. Many post inspections were delayed due to warm weather as heat must be on to post inspect.
- Both upstream lighting and upstream HVAC are expected to meet the savings goals.
- In September, 19/21 participants from the Building Operator Certificate (BOC) class took the new comprehensive certification exam.
- Cranston has purchased street lights and is in the process of replacing their street lighting with LEDs. The PUC decision on the company-owned tariff has been extended 60 days. The metering pilot is on hold.

Large Commercial Retrofit

- The State System Energy Management Project (SEMP) was signed in the second quarter. Projects are being carried out as planned.
- The RI Infrastructure Bank opens up round two of Efficient Buildings Fund Application Period, and the Company will be providing energy audits and engineering analysis to help public entities identify energy saving opportunities. RI Department of Education (RIDE) has recently completed audits on all their public schools. The Company will now assist them in identifying program participation opportunities.
- As of the third quarter, three Combined Heat and Power (CHP) projects, including two manufacturers and one hotel, are under construction. Four other CHPs are currently under investigation.

Small Business Direct Install

- The small business program is moving forward as planned. The Company is working with the lead vendor to launch SolarWise to the small business participants in October 2016.

Pilots

- Through the third quarter, there have been 339 Connected Solutions thermostats signed up for the pilot. There will be another email push in the fall to recruit new participants.
- The Zero Energy Building Taskforce has wrapped up their task force meetings and will submit a white paper in the fourth quarter.

Evaluation

- The C&I Custom Process study is moving forward with metering completed in some sites. Calculation and reporting are in process.
- Metering is complete for some sites for the C&I Custom HVAC study. Calculation and reporting are in process.
- The C&I Energy Code Compliance Study is completed. The state-wide compliance rate has increased from 78% in the 2012 baseline study to 86%, indicating that compliance of newly constructed buildings is improving over time, even as the code gets more stringent.
- The C&I On-Bill Repayment evaluation is completed.
- The evaluation of the Large C&I Electric On-Bill Repayment program is completed. The study found the programs adheres to industry standards and customers are satisfied with the program. The Company will work towards implementing recommendations from the study over the next year.

Upcoming Events:

- The AESP Northeast Chapter NEEC Annual Conference will be held on November 7th in Framingham, MA.

NATIONAL GRID ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND

Table 1. Summary of Electric 2016 Target and Preliminary 3rd Quarter Results

ELECTRIC PROGRAMS 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		
	Year To Target	Date	Pct Achieved	Pct Projected	Year To Target	Date	Pct Achieved	Pct Projected	Year To Target	Date	Pct Achieved	Budget	Year To Date	Pct Achieved			
Commercial and Industrial																	
Large Commercial New Construction	1,540	1,004	65.2%		15,728	5,102	32.4%		209	135	64.6%	\$6,864.1	\$3,458.5	50.4%	76,757	\$ 0.045	\$ 0.030
Large Commercial Retrofit	13,906	7,768	55.9%		67,030	37,080	55.3%		3,540	1,557	44.0%	\$22,545.5	\$9,246.0	41.0%	403,588	\$ 0.023	\$ 0.053
Small Business Direct Install	2,507	1,904	76.0%		12,165	10,292	84.6%		905	644	71.2%	\$8,745.9	\$5,613.3	64.2%	114,184	\$ 0.049	\$ 0.085
Community Based Initiatives - C&I												\$49.6	\$27.0	54.5%			
Commercial Demonstration and R&D												\$296.2	\$49.3	16.6%			
Finance Costs												\$3,000.0	N/A	N/A			
SUBTOTAL	17,953	10,676	59.5%	98.0%	94,922	52,474	55.3%	100.0%	4,654	2,336	50.2%	\$41,501.2	\$18,394.0	44.3%	594,529	\$ 0.031	\$ 0.055
Income Eligible Residential																	
Single Family - Income Eligible Services	554	543	98.1%		4,061	3,110	76.6%		2,500	2,074	83.0%	\$8,656.1	\$5,068.6	58.6%	37,681	\$ 0.135	\$ 0.213
Income Eligible Multifamily	117	117	100.0%		2,830	1,977	69.8%		5,100	3,216	63.1%	\$2,531.3	\$1,422.9	56.2%	16,852	\$ 0.084	\$ 0.102
SUBTOTAL	671	660	98.4%	100.0%	6,891	5,086	73.8%	103.0%	7,600	5,290	69.6%	\$11,187.4	\$6,491.5	58.0%	54,533	\$ 0.119	\$ 0.170
Non-Income Eligible Residential																	
Residential New Construction	83	61	74.0%		1,213	354	29.2%		512	318	62.1%	\$736.9	\$394.4	53.5%	5,711	\$ 0.069	\$ 0.071
ENERGY STAR® HVAC	235	236	100.2%		1,011	796	78.7%		902	1,280	141.8%	\$1,219.0	\$870.0	71.4%	9,980	\$ 0.087	\$ 0.138
EnergyWise	1,701	1,877	110.3%		11,729	12,680	108.1%		8,890	8,246	92.8%	\$10,007.7	\$7,267.5	72.6%	116,241	\$ 0.063	\$ 0.095
EnergyWise Multifamily	185	149	80.4%		4,061	2,510	61.8%		4,400	6,128	139.3%	\$3,319.1	\$1,796.5	54.1%	23,197	\$ 0.077	\$ 0.095
ENERGY STAR® Lighting	5,049	4,428	87.7%		43,098	38,188	88.6%		233,992	274,740	117.4%	\$7,362.1	\$5,139.2	69.8%	361,505	\$ 0.014	\$ 0.030
Residential Consumer Products	696	485	69.7%		4,647	2,713	58.4%		14,095	22,261	157.9%	\$2,085.0	\$1,036.4	49.7%	17,148	\$ 0.060	\$ 0.080
Home Energy Reports	3,759	3,641	96.8%		32,186	22,754	70.7%		294,013	274,176	93.3%	\$2,796.7	\$2,042.4	73.0%	22,754	\$ 0.090	\$ 0.087
Energy Efficiency Educational Programs												\$40.1	\$40.0	99.8%			
Residential Demonstration and R&D												\$488.1	\$87.3	17.9%			
Community Based Initiatives - Residential												\$284.4	\$162.1	57.0%			
Comprehensive Marketing - Residential												\$534.0	\$328.6	61.5%			
SUBTOTAL	11,708	10,876	92.9%	100.0%	97,947	79,996	81.7%	102.0%	556,804	587,149	105.4%	\$28,873.1	\$19,164.4	66.4%	556,536	\$0.034	\$ 0.055
Regulatory																	
EERMC												\$793.1	\$335.9	42.4%			
OER												\$793.1	\$526.6	66.4%			
RI Infrastructure Bank												\$1,441.5	\$0.0	0.0%			
SUBTOTAL												\$3,027.7	\$862.5	28.5%			
TOTAL	30,332	22,213	73.2%	100.0%	199,760	137,556	68.9%	101.0%	569,058	594,775	104.5%	\$ 84,589.4	\$ 44,912.5	53.1%	1,205,598	\$0.037	\$ 0.061
RGGI/												\$ 772.8	\$264.9	34.3%			
System Reliability Procurement												\$ 441.1	\$269.5	61.1%			

NOTES

(1)(5)(9) Targets from Docket 4580 - Attachment 5, Table E-7 (electric)

(3) Pct Achieved is Column (2)/ Column (1).

An error was found in kW planning for the ENERGY STAR® Lighting program. The filed goal was 3,620 kW and the filed Residential Sector goal was 10,673 kW. The correct kW goal is reflected in the tables above. The Company will use the corrected Residential Sector kW goal for its year-end incentive calculation.

An error was found in kW planning for the multifamily programs. The filed EnergyWise Multifamily goal was 579 and the filed Residential Sector goal was 10,673 kW. The filed Income Eligible Multifamily goal was 366 kW and the filed Income Eligible Sector goal was 920 kW. The correct kW goals are reflected in the tables above. The Company will use the corrected Residential Sector and Income Eligible kW goals for its year-end incentive calculation.

(7) Pct Achieved is Column (6)/ Column (5).

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.

(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 4580, Attachment 5 Table E-2 (electric).

EnergyWise Budget includes \$1M in RGGI funding for delivered fuels weatherization per Section IV.A.2 in Docket 4580.

(13) Year To Date Expenses include Implementation and Evaluation expenses.

\$3,000,000 in finance funds were transferred as authorized to the Large C&I Electric Revolving Loan Fund. Please see Table 3.

RGGI Expenses are counted separate as those funds were not part of the approved 2016 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 4581, not included in Expenses Total

NATIONAL GRID ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND
Table 2. Summary of Gas 2016 Target and Preliminary 3rd Quarter Results

GAS PROGRAMS 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	Pct Projected	Approved Target	Year To Date	Pct Achieved	Approved Budget	Year To Date	Pct Achieved			
Commercial and Industrial													
Large Commercial New Construction	43,424	19,276	44.4%		152	93	61.3%	\$1,694.7	\$711.3	42.0%	372,982	\$ 1.91	\$ 2.99
Large Commercial Retrofit	133,613	41,635	31.2%		234	129	55.1%	\$4,871.1	\$1,696.0	34.8%	331,123	\$ 5.12	\$ 6.39
Small Business Direct Install	3,667	719	19.6%		133	22	16.5%	\$282.4	\$84.1	29.8%	5,196	\$ 16.18	\$ 8.29
Commercial & Industrial Multifamily	9,490	6,626	69.8%		1,611	595	36.9%	\$754.7	\$221.7	29.4%	99,877	\$ 2.22	\$ 6.52
Commercial Demonstration and R&D								\$97.3	\$13.8	14.2%			
Community Based Initiatives - C&I								\$6.4	\$3.4	52.9%			
Finance Costs								\$500.0	N/A	N/A			
SUBTOTAL	190,194	68,256	35.9%	102.0%	2,131	839	39.4%	\$8,206.6	\$2,730.2	33.3%	809,178	\$ 3.37	\$ 5.32
Income Eligible Residential													
Single Family - Income Eligible Services	9,368	10,055	107.3%		500	486	97.2%	\$3,285.5	\$2,430.1	74.0%	201,096	\$ 12.08	\$ 17.54
Income Eligible Multifamily	19,915	5,055	25.4%		3,000	1,607	53.6%	\$2,063.3	\$358.8	17.4%	70,717	\$ 5.07	\$ 5.80
SUBTOTAL	29,283	15,110	51.6%	103.0%	3,500	2,093	59.8%	\$5,348.8	\$2,788.9	52.1%	271,813	\$ 10.26	\$ 9.85
Non-Income Eligible Residential													
EnergyWise	68,117	59,162	86.9%		2,710	2,546	93.9%	\$6,929.5	\$5,217.5	75.3%	1,305,803	\$ 4.00	\$ 5.45
Energy Star® HVAC	26,064	9,637	37.0%		2,099	876	41.7%	\$1,619.2	\$761.2	47.0%	163,686	\$ 4.65	\$ 10.19
EnergyWise Multifamily	17,208	7,420	43.1%		2,625	2,003	76.3%	\$1,978.6	\$688.8	34.8%	119,369	\$ 5.77	\$ 8.24
Home Energy Reports	53,989	52,897	98.0%		135,689	133,340	98.3%	\$436.6	\$355.4	81.4%	52,897	\$ 6.72	\$ 8.09
Residential New Construction	10,907	3,068	28.1%		375	194	51.7%	\$836.9	\$553.4	66.1%	76,599	\$ 7.22	\$ 4.61
Residential Demonstration and R&D								\$81.3	\$0.2	0.2%			
Comprehensive Marketing - Residential								\$69.8	\$45.0	64.5%			
Community Based Initiatives - Residential								\$25.8	\$15.4	59.8%			
SUBTOTAL	176,284	132,184	75.0%	104.0%	143,498	138,959	96.8%	\$11,977.7	\$7,636.9	63.8%	1,718,354	\$ 4.44	\$ 6.65
Regulatory													
EERMC								\$233.3	\$109.8	47.1%			
OER								\$233.3	\$152.6	65.4%			
RI Infrastructure Bank								\$429.0	\$0.0	0.0%			
SUBTOTAL								\$895.5	\$262.5	29.3%			
TOTAL	395,760	215,549	54.5%	103.0%	149,129	141,891	95.1%	\$ 26,428.6	\$ 13,418.5	50.8%	2,799,345	\$ 4.79	\$ 6.66

NOTES
(1)(5) Targets from Docket 4580 - 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.
(4) 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 4580, Attachment 6 Table G-2 (gas).
(9) Year To Date Expenses include Implementation and Evaluation expenses.
\$500,000 in finance funds were transferred as authorized to the C&I Gas Revolving Loan Fund. Please see Table 3.
(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 3
National Grid
Revolving Loan Funds

Large C&I Electric Revolving Loan Fund

(1)	2016 Funds Available	\$14,115,728
(2)	2016 Loan budget	\$11,000,000
(3)	Committed	\$5,829,462
(4)	Paid	\$2,499,578
(5)	Number of loans	46
(6)	Participants	28
(7)	Savings (MWh)	8,128
(8)	Available	\$2,670,960

Small Business Electric Revolving Loan Fund

(1)	2016 Funds Available	\$2,242,136
(2)	2016 Loan Budget	\$2,870,000
(3)	Committed	\$577,215
(4)	Paid	\$2,604,749
(6)	Participants	994
(7)	Savings (MWh)	10,292
(8)	Available	-\$311,964

Rhode Island Public Energy Partnership (RI PEP)

(9)	2016 Funds Available	\$993,365
(10)	Committed	\$88,361
(11)	Paid	\$380,278
(12)	Repayments	\$243,790
(13)	Participants	5
(14)	Savings (MWh)	1,364
(15)	Available	\$768,516

C&I Gas Revolving Loan Fund

(1)	2016 Funds Available	\$1,682,732
(2)	2016 Loan budget	\$1,600,000
(3)	Committed	\$939,000
(4)	Paid	\$660,702
(6)	Participants	7
(7)	Savings (MMBtu)	16,934
(8)	Available	\$298

Notes

- ¹ Amount available as of January 1, 2016, including 2016 fund injections detailed in Table E-10 and G-10. The C&I Gas Loan Fund also includes the injection of \$300,000 as approved by the EE Collaborative on March 21, 2016.
- ² Budget adopted by Sales Team for 2016 operations. Budget includes projections of repayments made during 2016.
- ³ As of September 30, 2016
- ⁴ As of September 30, 2016
- ⁵ As of September 30, 2016
- ⁶ Unique customer names for large business and customer accounts for small business (not adjusted for net-to-gross).
- ⁷ As of September 30, 2016
- ⁸ Available funds as of September 30, 2016 not including repayments.
- ⁹ Funds available as of January 1, 2016
- ¹⁰ As of September 30, 2016
- ¹¹ As of September 30, 2016
- ¹² As of September 30, 2016
- ¹³ As of September 30, 2016 - 5 entities with 18 applications.
- ¹⁴ As of September 30, 2016
- ¹⁵ Available funds as of September 30, 2016

Table 4
2016 RGGI Budget and Spend

Initiative	2016 Budget	Spend
RI Public Energy Partnership Incentives	\$ 517,340	\$ 254,824
Agricultural Delivered Fuels	\$ 255,446	\$ 10,054
Total	\$ 772,786	\$ 264,878

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 2016, 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.