

August 28, 2020

**VIA ELECTRONIC MAIL**

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

**RE: Docket 4979 - National Grid Electric and Gas Energy Efficiency Programs  
2020 Quarterly Reports – Second Quarter**

Dear Ms. Massaro:

Enclosed please find one (1) copy of National Grid's<sup>1</sup> quarterly report for the second quarter of 2020 in the above-referenced docket.<sup>2</sup> This report includes the quarterly results for the Company's natural gas and electric energy efficiency programs and a summary of each program's progress. 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 401-784-7263.

Sincerely,



Andrew S. Marcaccio

Enclosures

cc: Docket 4979 Service List  
Jon Hagopian, Esq.  
John Bell, Division

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<sup>1</sup> The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

<sup>2</sup> Per practice during the COVID-19 emergency period, the Company is providing a PDF version of the response to the PUC's data request referenced above. The Company will provide the Commission Clerk with a hard copy and, if needed, additional hard copies of this response at a later date

# Rhode Island Energy Efficiency

Second Quarter 2020 | National Grid

August 21, 2020

## Overview

In the second quarter of 2020, National Grid's energy efficiency programs continued to deliver energy savings for Rhode Island customers by achieving 50,131 annual MWh of electric savings (28% of the annual goal) and 111,493 annual MMBtu of natural gas savings (25% of the annual goal) while also facing the challenges posed by the global COVID-19 pandemic. On March 17, 2020, out of an abundance of safety and caution and concern for the health and well-being of the Company's vendors and customers, the Company made the decision to temporarily suspend the contracted vendor delivery of on-site energy efficiency services to residential and commercial customers<sup>1</sup>. During this suspension, the Company has continued to work with stakeholders and health and safety experts to address strategies to mitigate the negative impact that COVID-19 will have on the contractor community. Throughout the second quarter, all programs were gradually resumed, implementing the strategies that had been developed during the suspension. Some examples of these strategies include:

- Residential On-Site programs: A multistate effort (CT, MA, NH, RI) assisted in the development of health and safety protocols to allow for a safe return to work, and a regional consortium of energy efficiency program administrators hired Environmental Health & Engineering to develop safety protocols for on-premise service delivery. These protocols were made available to contractors via webinar trainings offered on May 14<sup>th</sup>, June 2<sup>nd</sup>, and June 11<sup>th</sup>. A total of 488 contractors viewed this content and passed required health and safety tests. The Residential New Construction team also developed a set of safety procedures specifically for performing inspections in new construction homes.
- EnergyWise and Income Eligible Single Family: Virtual Home Energy Assessments (VHEAs) were developed and offered to customers beginning in early April to allow for continued program participation and to help build a pipeline to support contractors as work returns to pre-COVID-19 status. As of July 28<sup>th</sup>, 1,102 VHEAs were completed within the Single Family Market Rate sector and 723 were completed for Income Eligible Single Family customers. Contractors returned onsite in customer homes with weatherization projects beginning the week of June 8<sup>th</sup>.
- Income Eligible Energywise Multifamily: Considering the increased time that customers are spending at home due to COVID-19, National Grid added a new measure of replacement window air conditioners to the Income Eligible EnergyWise Multifamily program. Customers can now get their inefficient model removed and have an efficient replacement model installed at no cost.

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<sup>1</sup> Although vendors were notified to suspend on-site work on March 17<sup>th</sup>, 2020. The suspension of on-site services did not occur until March 18<sup>th</sup>, 2020.

- **EnergyStar HVAC:** National Grid developed remote services during COVID-19, including virtual trainings for contractor and technicians to keep them engaged during the normal training season, and virtual inspections to adhere with on-site restrictions and safety measures. Field service representatives have completed all residential health and safety training and are equipped with Personal Protective Equipment to ensure a safe return to the field.

Additionally, there were several other highlights that occurred in the second quarter. These include:

- **Residential New Construction** – In the second quarter, the Residential New Construction program completed Rhode Island's first large Passive House designed apartment building, a 30-unit complex in Providence.
- **Income Eligible Single Family Services** – A new Auditor Evaluation process was evaluated and updated in the second quarter, as well as the Rhode Island Income Eligible Services/Weatherization Assistance Program Measure and Price List.

## 2020 Program & Initiative Updates

### Residential New Construction (RNC)

The Residential New Construction (RNC) program achieved 209 Annual MWh of electric savings (24.0% of the annual goal) and 344 Annual MMBtu of gas savings (7.9% of the annual goal) through the second quarter of 2020. The program enrolled 114 customer residences in the second quarter and completed 57 customer residences.

Of the 57 customer residences completed, 30 customer residences (53%) used electric heat and just 14 customer residences (25%) had gas heat, demonstrating the continued increase in the percentage of new construction homes with electric heat (heat pump) vs gas for both market rate and affordable housing. It should be noted that fieldwork (which includes final verification inspections) was discontinued mid-March due to COVID-19 and did not resume until mid-June. During that time half of the RNC team was placed on furlough.

The Residential New Construction program & the Zero Energy Pilot was highlighted in the Department of Energy June newsletter on Zero Energy Ready Homes.



#### Rhode Island's Generous Boost to Zero Energy Ready Homes

Rhode Island is leading the way to greater investment in high performance, low-energy homes by using the DOE's Zero Energy Ready Home Program as an energy stretch code compliance pathway. The state's stretch code is voluntary and applies to residential and low-rise multifamily projects. National Grid, a major utility provider in Rhode Island, is taking things a step further by offering incentives worth \$1,000s to builders who are constructing Zero Energy Ready Homes with the utility's Residential New Construction (RNC) program.

For example, an all-electric single-family home that is certified as a DOE Zero Energy Ready Home, achieves a blower-door test  $\leq 3$  ACH50 and an overall energy savings of 45% over the average new home in Rhode Island will qualify for more than \$6,000 in incentives. Multifamily buildings with 5 to 10 dwelling units that meet these same specifications qualify for rebates of roughly \$3,400/unit, while other incentive tiers are available for multifamily buildings up to 50 dwelling units. The RNC incentives are likely to offset any added costs involved in building a Zero Energy Ready Home. This gives builders the opportunity to sell a superior home at a lower net cost.

The utility's RNC program is offering technical support, including HERS ratings, energy modeling, design assistance, and field inspection assistance in addition to these major financial incentives. This level of technical support helps "de-risk" the learning curve for builders and gives them an opportunity to optimize design and construction strategies.

*Pictured above: Department of Energy Zero Energy Ready Homes June Newsletter*

## Challenges and Responses

During the COVID-19 pandemic, construction was deemed an essential business by Rhode Island, so homes continued to be built. However, these projects proceeded without the field verification services provided by Residential New Construction HERS (Home Energy Rating System) Raters. Without field verification, these projects were ineligible for RNC program incentives, and therefore were not accounted in EE reporting.

To keep builders engaged in the RNC program, the program continued to provide technical support, and education and training through remote means for all new and ongoing projects. The RNC team developed a set of safety procedures specifically for performing inspections in new construction homes.

## Customer Highlight

In the second quarter, the Residential New Construction program completed Rhode Island's first large Passive House designed apartment building, a 30-

unit complex in Providence. In addition, Preservation of Affordable Housing (POAH) is planning to develop a new four-story affordable housing apartment building. Funding from RIH will enable the project team to proceed with finalizing their design and beginning construction. Goals of this project include fossil fuel-free, air source heat pumps and heat pump water heaters, PV, and the possibility of Net Zero Energy. The Residential New Construction team, comprised of HERS Raters, Certified Passive House Consultants, and Passive House Verifiers, will provide free training and verification services. The project team aims to begin construction in September 2020 and be ready for occupancy by early 2022.

### **Income Eligible Services (IES)**

The National Grid Income Eligible Services program achieved 976 annual MWh of electric savings (26% of the annual goal) and 1,932 annual MMBtu of gas savings (19% of the annual goal) through the second quarter of 2020.

During the second quarter, the Rhode Island Income Eligible Services/Weatherization Assistance Program Measure and Price List was updated. A new Auditor Evaluation process was also evaluated and updated in the second quarter. National Grid participated in the 2020 Weatherization Policy Advisory Council, and standardized KPI's were developed to ensure apartment comparisons between auditors. In addition, a Virtual audit was developed and implemented to be conducted during the COVID-19 pandemic.

*"Excellent service!"* - Robert from Bristol

### **Challenges and Responses**

The COVID-19 pandemic has adversely impacted production at the end of the second quarter, and KPI's substantially trail program goals. Additionally, training & customer education are being implemented to overcome COVID-19 fears.

### **EnergyWise Single Family**

EnergyWise made progress towards annual goals during the first half to 2020, particularly given the programmatic challenges faced because of COVID-19 and the suspension of on-site services for nearly three months. The program achieved 2,410 annual MWh of electric savings (40% of the annual goal), 9,059 annual MMBtu of gas savings (35% of the annual goal), through the second quarter. In addition, the program completed 3,866 energy audits and 1,260 weatherization jobs during the second quarter.

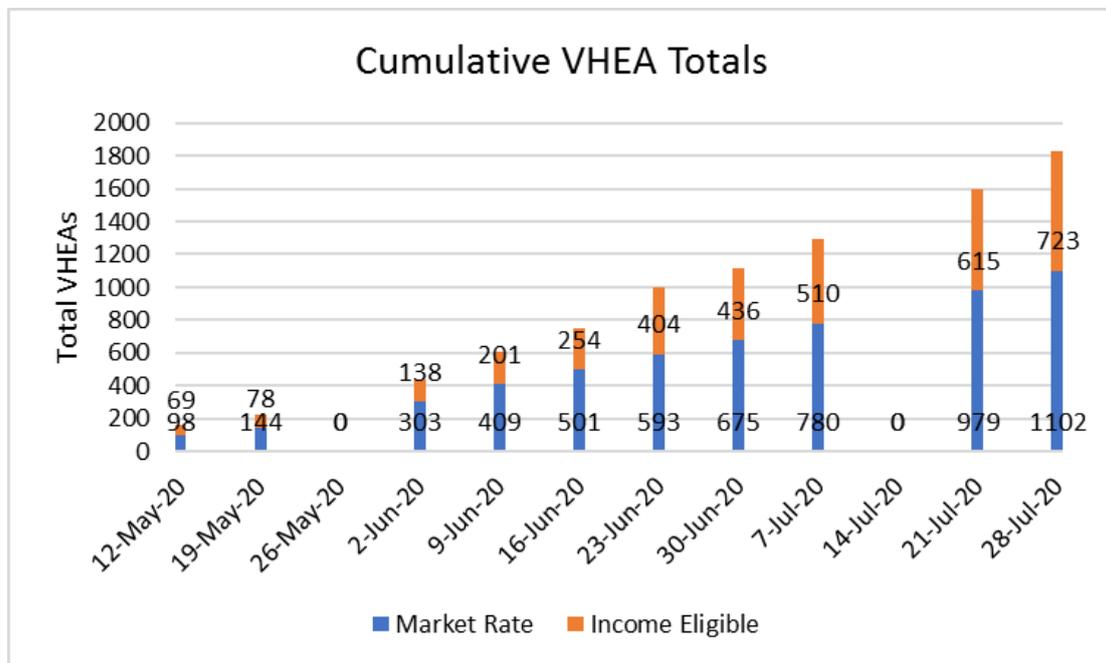
Due to the pandemic, EnergyWise ceased all in-home work on March 18<sup>th</sup>, and developed a Virtual Home Energy Assessment which had a soft launch on April 6<sup>th</sup>. An online workforce training for contractors was developed and rolled out on April 6<sup>th</sup> as well. 91 contractors representing 12 organizations participated in

these online trainings. Contractors returned onsite in customer homes with weatherization projects beginning the week of June 8<sup>th</sup>. A multistate effort (CT, MA, NH, RI) assisted in the development of health and safety protocols to allow for a safe return to work, and National Grid hired Environmental Health & Engineering to advise safety requirements. Additionally, webinar trainings for return to work health and safety were offered on May 14<sup>th</sup>, June 2<sup>nd</sup>, and June 11<sup>th</sup>. A total of 488 contractors passed the health and safety test.

## Challenges and Responses

COVID-19 resulted in many challenges for the EnergyWise program, including getting contractors back into the field with new Personal Protective Equipment requirements, addressing customer concerns, and ensuring the health and welfare of customers and contractors. Additionally, some employees did not return to work due to transitions to other employment opportunities during the pandemic. Online workforce trainings also faced some difficulties because many contractors had furloughed employees and could not bring them back during this time without risking the loss of unemployment benefits.

## Summary of relevant KPI's



*Virtual Home Energy Assessments conducted during COVID-19 for Single Family programs*

## **EnergyWise Multifamily, Income Eligible Multifamily, C&I Multifamily**

The EnergyWise Multifamily program achieved 331 annual MWh of electric savings (12% of the annual goal) and 3,846 annual MMBTU of gas savings (26% of the annual goal) through the second quarter of 2020. The Income Eligible Multifamily program achieved 17 annual MWh of electric savings (0.7% of the annual goal) and 578 MMBTU of annual gas savings (2.4% of the annual goal) through the second quarter of 2020. The C&I Multifamily program achieved 234 MMBTU of annual gas savings (2% of the annual goal) in the second quarter.

In the second quarter, the EnergyWise Multifamily program completed a project at a North Kingstown condominium complex resulting in an estimated 38,404 net annual kWh of savings. This project included LED screw-in lamps, crawlspace insulation, attic insulation, showerheads and aerators, and air sealing throughout the condominium units. Additionally, EnergyWise Multifamily completed a project at a North Providence apartment complex for an estimated 475 net annual MMBtu of savings through outdoor air reset controls to boilers at four sites.

The Income Eligible EnergyWise Multifamily program completed a project at a Cranston apartment complex, including common area interior and exterior LED fixtures and screw-in lamps as well as heating pumps with variable frequency drive (VFD) controls, for an estimated 3,175 net annual kWh of savings. The program also installed wall insulation at a Providence apartment complex for an estimated 12,751 net annual kWh of savings.

Considering the increased time that customers are spending at home due to COVID-19, National Grid added a new measure of replacement window air conditioners to the Income Eligible EnergyWise Multifamily program. Customers can now get their inefficient model removed and have an efficient replacement model installed at no cost.

### **Challenges and Responses**

Similar to other on-site energy efficiency programs, all on-premise work was suspended in mid-March due to the pandemic. The multifamily vendor RISE worked closely with the vendors and National Grid staff to develop a plan for how to safely resume on-premise work, allowing on-premise activity to resume near the end of the second quarter in mid-June.

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

The ENERGYSTAR® HVAC (Heating and Cooling) program achieved 659 annual MWh of electric savings (30% of the annual goal) and 10,783 annual MMBtu of gas savings (36% of the annual goal) through the second quarter of 2020.

On the electric side, 90 remote Quality Control (QC) inspections were performed and nine remote HVAC Check trainings were held, certifying 63 technicians from 25 companies during the second quarter. Contractors have begun HVAC Check testing, resulting in 50 AC Checks on central air conditioning and central heat pump systems, and 13 Mini Split Checks on MSHP systems.

Additionally, National Grid launched a limited time Enhanced Incentive for emergency replacement of eligible natural gas heating and water heating equipment. This offer, emailed to RI Trade Allies, encouraged the installation of eligible high-efficiency measures for equipment failure during a challenging time for both customers and businesses during the COVID-19 pandemic.

### **Challenges and Responses**

These difficult economic times have slowed customer purchasing decisions, on-site installations, and/or quality control visits resulting in a significant drop in participation and savings achieved against forecasted goals for the ENERGYSTAR® HVAC program. Many HVAC businesses have closed temporarily, or furloughed many of their staff, leaving only a few staff to sustain demand for emergency services, complete scheduled installations for new equipment, and develop new opportunities for equipment assessment.

As mentioned previously, National Grid has taken many steps to mitigate these challenges. With many contractors limited to only providing services related to replacement of failed equipment, an enhanced incentive was designed to encourage the selection of high-efficiency rebate eligible measures. Due to seasonality and a shift to significantly warmer weather the incentive did not perform as intended and will be reintroduced in September to align with the market's demand for heating equipment needs.

National Grid also developed remote services during COVID-19, including virtual trainings for contractor and technicians to keep them engaged during our normal training season, and virtual inspections to adhere with on-site restrictions and safety measures. Field service representatives have completed all residential health and safety training and are equipped with Personal Protective Equipment to ensure a safe return to the field.

## Enhanced incentives for eligible Natural Gas Heating and Water Heating Equipment



### Emergency replacements in Rhode Island

During this challenging and uncertain time, we are thinking of you and your customers who may need emergency Natural Gas Heating and Water Heating equipment replacements. To help you promote higher efficiency equipment in these circumstances, National Grid is offering Rhode Island customers enhanced incentives on select equipment.

Equipment	Base Incentive	Enhanced Incentive	Total Emergency Replacement Incentive
Boiler 95% AFUE	\$800	\$100	<b>\$900</b>
Combined Condensing Boiler and On-Demand Water Heating Unit 95% AFUE	\$1,200	\$100	<b>\$1,300</b>
ENERGY STAR® Storage Water Heater .64 UEF (MD)/.68 UEF (HD)	\$100	\$40	<b>\$140</b>
ENERGY STAR On-Demand Tankless Water Heater .87 UEF	\$600	\$75	<b>\$675</b>

**Please be aware there will be no direct promotion of this enhanced incentive to Rhode Island customers from National Grid, and this limited-time incentive is only available for emergency installations performed May 15 – June 15, 2020.**

For your customer to receive this enhanced incentive, please complete and submit the following:

1. Invoice based on requirements outlined on the RI Residential Gas Heating Rebate [application form](#). Please also add this statement to your invoice: Replacing (heating system and/or hot water heater) unit due to equipment failure for qualified enhanced incentive. Failed equipment replaced on (date range May 15–June 15, 2020).
2. [Apply online](#) or complete and submit the RI Residential Gas Heating Rebate [application form](#) with required documentation. Complete submission must be postmarked or submitted online no later than June 30, 2020.
3. This PDF copy of the email

**REMINDER:** This enhanced incentive applies only to emergency Natural Gas Heating and/or Water Heating equipment replacements in Rhode Island. National Grid's COVID-19 policy remains in place to temporarily suspend all non-emergency energy efficiency service activities that require home or business visits, such as non-emergency installations.

As always, we appreciate your continued partnership and thank you for your patience during this difficult time. Please stay connected with us by visiting [ngrid.com/covid-19](https://www.ngrid.com/covid-19) to find updates on our services and our pandemic response plan efforts.

Warm regards,  
National Grid RI  
Energy Efficiency Team

nationalgrid

*Enhanced Incentive for Emergency Replacement of Natural Gas Heating and Water Heating Equipment*



## **Challenges and Responses**

Due to the COVID-19 pandemic, there was reduced activity at local retailers with many retailers closed, reducing number of hours, limiting customer capacity, transitioning to only curbside pickup, or open by appointment only. There were fewer marketing promotions during this period, as National Grid focused on health, safety, and assistance messaging.

In addition, the school fundraiser program was paused in March. Deliveries were made according to school requests to complete fundraisers which were near completion, while other fundraisers at the beginning of the process were cancelled for the school year.

## **Home Energy Reports (HER)**

The Home Energy Reports electric program achieved 11,594 annual MWh of electric savings (50% of the annual goal) and the gas program achieved 59,625 annual MMBtu of gas savings (52% of the annual goal) through the second quarter of 2020.

In the second quarter, National Grid learned that customers are interested in savings energy now that they are home and using more energy during the pandemic. COVID-19 messaging moved away from neighbor comparison and focused increasingly on tips for saving energy while at home, assistance with bill payment or year-over-year usage comparisons.

## **Challenges and Responses**

Natural Gas was previously forecasted to result in achieving annual savings below the program's goal, therefore National Grid added additional Home Energy Reports to keep energy savings at the top-of-mind for customers. These actions appear to be bringing energy savings closer to annual goals.

## **Code Compliance Enhancement Initiative (CCEI)**

### **Home Building Industry Outreach**

The Code Compliance Enhancement Initiative continues to deliver a monthly training as part of the Rhode Island Builders Association's (RIBA) newly developed Contractor Development Program. Topics for the second quarter included air leakage testing, HVAC and Indoor Air Quality (IAQ), and Zero Energy.

### **Commercial Stretch Code Support**

CCEI collaborated with the project team constructing an early-childhood extension of a college-preparatory school in Providence. CCEI reviewed the

plans and provided feedback on the necessary upgrades to meet the RI Stretch Code.

### **Challenges and Responses**

With in-person trainings not possible, CCEI developed and delivered a suite of interactive webinars in the second quarter. All in-person trainings that had been scheduled in partnership with organizations were postponed until further notice.

### **Relevant KPIs**

Nine training events that engaged 85 industry stakeholders were held during the second quarter. Six of these events were focused on residential construction (48 attendees) and three were focused on commercial (37 attendees).

### **Commercial and Industrial Programs COVID update**

Due to the pandemic, all on-site energy efficiency work was halted in RI on March 18<sup>th</sup>. In April the Company provided information for online trainings and webinars for vendors as well as for furloughed energy efficiency workers on the Company website. For small business customers the Company launched Virtual Audits in April. The Company also proceeded with Virtual pre and post inspections and procedures for energy efficiency projects. In April a multistate effort (CT, MA, NH, RI) assisted in the development of health and safety guidelines to allow for a safe return to work. For this effort a third-party health and safety firm, was jointly hired by the above stated state energy efficiency program administrator and National Grid to develop guidelines for vendors to safely return to work. The guidelines developed covered energy efficiency improvements offered within the multifamily, small business, municipal and large commercial and industrial retrofit programs. Additionally, webinar trainings for return to work health and safety were offered on May 14<sup>th</sup>, June 2<sup>nd</sup>, and June 11<sup>th</sup>. A total of 488 contractors passed the health and safety test. Contractors returned onsite to implement projects beginning the week of June 8<sup>th</sup>.

### **Large Commercial New Construction**

The Large Commercial New Construction program achieved 1,840 Annual MWh of electric savings (19% of the annual goal) and 10,486 Annual MMBtu of gas savings (23% of the annual goal) through the second quarter of 2020.

In accordance with State Strategic Energy Management Planning (SEMP), audit and installation vendor teams have undergone training for health and safety and are currently auditing State facilities.

## Challenges and Responses

Many customer EE projects are on hold or have been withdrawn due to the economic impacts of COVID.

## Customer Highlight

In the second quarter, a project with 1,000 exterior LED light installations was completed with estimated savings over 1 million kWh.

## Large Commercial Retrofit

Through the second quarter of 2020, the Large Commercial Retrofit program achieved 16,066 annual MWh of electric savings (22% of the annual goal) and 14,059 annual MMBtu of gas savings (9% of the annual goal).

A textile manufacturer updated their process control measure and installed VFDs to reduce fan circulation and exhaust motors during non-production times. The manufacturer uses “frames” that take raw fabric material that has been treated and runs them through the frame which is heated to ~400°F to dry and cure the fabric. One major industrial customer is utilizing a SteamIQ system to monitor their steam traps. The SteamIQ is the most advanced ultrasonic steam trap monitoring system available.

## Challenges and Responses

Decision making has slowed dramatically for all but the largest customers in this segment due to COVID-19. Many customer projects are on hold due to COVID impacts, including a large hotel with several energy efficiency projects which has been closed, and the customer does not want to move forward due to a lack of capital. Large hospital projects are also on hold due to cost-cutting measures implemented as a result of the impacts of COVID-19. In addition, a large textile manufacturer, tied to retail, cannot move forward with any energy efficiency projects because production has been reduced which affects capital for projects.

## Relevant KPIs

The textile manufacturer that upgraded their process control measures and installed a VFD (variable frequency drive) will realize over 309,000 kWh and 2,200 MMBtu of energy savings. The SteamIQ is ultra-long range, simple to install, network independent and has a cloud dashboard platform that can stand alone or work from the cloud.

### **Small Business Direct Install**

For Small Business Direct Install program, a 100% incentive offering was established in April of 2020, to spur participation in programs and improve efficiency in small business establishments.

Additionally, in the second quarter the Company began to offer virtual audits, due to restrictions on on-site visits to customer locations, related to COVID. By the end of June, 17 virtual audits were completed. 113 contracts were signed between May 1<sup>st</sup> and June 31<sup>st</sup>, in the Small Business Direct Install program.

### **Evaluation, Measurement and Verification**

#### **Workforce Report**

The 2019 Workforce Report was completed in the second quarter. The report estimated the workforce associated with the implementation of National Grid's electric and gas energy efficiency programs in Rhode Island during 2019. The report calculated that 877 full time equivalent workers (FTEs) and 1,151 companies were associated with National Grid's 2019 energy efficiency programs.

#### **Challenges and Responses**

No other Evaluation, Measurement and Verification studies were completed in the second quarter and several data collection activities were temporarily paused due to COVID-19. While the majority of field work remains on hold, remote EM&V study work has resumed as of the end of the second quarter.

### **Customer Initiatives**

While energy efficiency projects have been a challenge to keep moving forward, National Grid has utilized scheduled Strategic Energy Management Planning (SEMP) meetings with customers to work on more strategic discussions around planning for year-end into the next calendar year.

#### **Challenges and Responses**

COVID-19 restrictions and safety practice development have prevented energy efficiency projects from moving forward through the pipeline. National Grid has used this time to ensure that anything non-site related was up to date, and planned safety practices & scheduled vendors for work, once it was deemed safe and restrictions had been lifted. Additional work is being done to renew two SEMP's that came to an end last year.

#### **Customer Highlight**

The State of Rhode Island has worked on building a database of projects to help customers summarize results and plan additional agency participation.

Work on an Electric Vehicle charging station is almost complete on one of the SEMP customer sites of a large university.

### **Community Initiatives**

In the second quarter, National Grid initiated outreach to four towns for the Community Initiative. One town has verbally committed to the initiative, but due to COVID-19, the kickoff has been delayed.

### **Challenges and Responses**

National Grid continues to conduct outreach to towns throughout the state and modify goals for the Community Initiative to address the lack of in-person energy efficiency engagement.

### **Connected Solutions**

There were no Connected Solutions events in the second quarter through June 2020. New participation marketing was disrupted by the COVID-19 pandemic.

### **Pilots**

In the second quarter, National Grid organized two Online Zero Net Energy Forums addressing both Residential and Commercial & Industrial sectors, one focused on design and the other on policy. National Grid had four external industry experts who presented at the design forum, and three who presented at the policy forum. These online forums were well attended, with 288 people registered for the May 19<sup>th</sup> Design Forum and 106 attendees. 386 people registered for the June 2<sup>nd</sup> Policy Forum, with 239 of those attending. In addition, National Grid launched a ZNE website that outlines the pilot program details as well as information to assist design teams in achieving ZNE goals.

### **Challenges and Responses**

Due to COVID-19, the in-person format of the Forums was moved to an online format. Utilizing this new format, National Grid was able to engage with a very large group of people.

### **Demonstrations and Assessments**

In the second quarter, National Grid developed an updated internal protocol for considering, documenting, and testing innovations. This new protocol is intended to be flexible and scale to the level of due diligence required to vet a given innovation. This protocol is under development and has not been applied to a product from start to finish. As the Company gains more experience applying the protocol to innovations the Company will identify inefficiencies and enhancements that will further improve the process.

National Grid also completed procurement and scoping processes for three demonstration projects: Network Lighting Controls & HVAC, Comprehensive Kitchen Exhaust, and an Air Absorption Cleaning system. In addition, the SEM/CEI Workshop #5 on Employee Engagement was facilitated in two parts, using a live online format via the GoToMeeting platform on June 4<sup>th</sup> and June 10<sup>th</sup>. Sites are continuing with CEI activity and are continuing to adapt their operations in response to the COVID-19 pandemic.

## Rhode Island Pilots, Demonstrations and Assessments

<b><u>Pathway to Zero Buildings - Pilot - C&amp;I</u></b>	Date	8/1/2020
	Stage	Project Recruitment - All prospective ZNE projects are on hold due to COVID.
	Recent Activity	Website for ZNE is complete.
	Next steps	Fall Forum and webinars are on planning stage.
<b><u>Performance Based Procurement - Demonstration - C&amp;I</u></b>	Date	7/30/2020
	Stage	Demonstration
	Recent Activity	New Construction team met with prospective project design team mid-Q2, Customer and DT not interested in Performance Based Procurement, pivoted to WBA offering.
	Next steps	After 6 different project recruitment efforts were ultimately unsuccessful the team is exiting demonstration. Writeup and findings underway.
<b><u>Underutilized EE on MPT systems - Demonstration - C&amp;I</u></b>	Date	7/30/2020
	Stage	Concept
	Recent Activity	No update
	Next steps	Next steps will be to determine appropriate vendor to complete demonstration research, including installations at 3 customer sites
<b><u>SEM - Demonstration - C&amp;I</u></b>	Date	8/1/2020
	Stage	
	Recent Activity	SEM/CEI Workshop number 5 (Employee Engagement) was facilitated in two parts using live online format via GoToMeeting platform on June 4 <sup>th</sup> and 10 <sup>th</sup> .

	Next steps	Sites are continuing with CEI activity and continuing to adapt their operations in response to the COVID-19 pandemic. The Company is working with Cascade to determine if the upcoming Treasure Hunts should be conducted virtually or in-person with strict safety protocols in place.
<b><u>HVAC Lighting Controls Plus - Demonstration - C&amp;I</u></b>	Date	7/27/2020
	Stage	Develop or Demonstrate
	Recent Activity	Wrapping up Phase I of demonstration, which includes interviews with industry, customers, and National Grid staff. Results indicate barriers to a successful program, which largely center around the ability of the industry to successfully integrate HVAC with lighting sensors. It can be difficult to assign responsibility and motivate involved parties with integrating and commissioning the controls.
	Next steps	Final presentation of Phase I results. Discussion on whether to move forward with Phase II (customer installations)
<b><u>Kitchen Exhaust - Demonstration - C&amp;I</u></b>	Date	7/27/2020
	Stage	Develop or Demonstrate
	Recent Activity	Wrapping up Phase I of demonstration, which includes interviews with industry, customers, and National Grid staff. Slipstream provided an analysis of overall potential of examined measures. Key findings from interviews indicate target customers
	Next steps	Final presentation of Phase I results. Discussion on whether to move forward with Phase II (customer installations)
<b><u>Air Absorption Cleaning - Demonstration - C&amp;I</u></b>	Date	8/1/2020
	Stage	Demonstration
	Recent Activity	Wrapping up Phase I of demonstration, which included interviews with industry, customers, and National Grid staff.
	Next steps	Final presentation of Phase I results. Discussion on whether to move forward with Phase II (customer installations)
<b><u>Small Business Electric Heat Pumps -</u></b>	Date	7/30/2020
	Stage	Concept

<b><u>Demonstration - C&amp;I</u></b>	Recent Activity	Following MA simple system displacement HP work. Will utilize application form, calculations, and setup for ER heat in RI for the interim.
	Next steps	Waiting for MA form to be finalized.
<b><u>Gas DR - Pilot - C&amp;I</u></b>	Date	8/1/2020
	Stage	Demonstration
	Recent Activity	Review of data from winter 19/20 and comparison of program structure with other DR programs to determine what modifications, if any, are needed before reengaging with customers for winter 20/21 enrollments
	Next steps	Finalize program materials and market to customers
<b><u>Gas HPs - Demonstration - C&amp;I</u></b>	Date	8/1/2020
	Stage	Concept
	Recent Activity	Researching or gathering more GHP information. Developed preliminary customer cost estimates and comparisons to existing technology and cost effectiveness ramifications.
	Next steps	Determine appropriate level of research required, plan activity for next year. Compile information on different gas HP technologies, customer costs, cost comparisons to existing tech, estimate cost-effectiveness.
<b><u>Home Energy Score Evaluation - Residential</u></b>	Date	8/1/2020
	Stage	The EnergyWise Impact and Process Evaluation is in-progress.
	Recent Activity	Vendor is summarizing findings/results and drafting the evaluation report. For HES, vendor will include insights gathered from stakeholder interviews and assess Wx uptake among participants that received HES reports.
	Next steps	Draft report by mid-August

NATIONAL GRID ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND

Table 1: Summary of Electric 2020 Target and Preliminary 2nd Quarter Results

ELECTRIC PROGRAMS Sector and Program	(1)	(2)	(3)	(18)	(4)	(5)	(6)	(19)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
	Demand Reduction (Annual kW)				Energy Savings (Annual MWh)				Customer Participation			Expenses (\$ 000)			Energy Savings (Lifetime MWh)			\$/Lifetime kWh	
	Target	Year To Date	Pct Achieved	Year End Forecast kW Range	Target	Year To Date	Pct Achieved	Year End Forecast MWh Range	Target	Year To Date	Pct Achieved	Budget	Year To Date	Pct Achieved	Planned	Year to Date	Pct Achieved	Planned \$/kWh	Year to Date
<b>Commercial and Industrial</b>																			
Large Commercial New Construction	1,183	281	23.8%		9,828	1,840	18.7%		108	32	29.3%	\$ 5,335.7	1,137.3	21.3%	147,913	27,315	18.5%	\$ 0.036	\$ 0.042
Large Commercial Retrofit	14,933	2,360	15.8%		72,871	16,066	22.0%		2,669	1,796	67.3%	\$ 23,801.3	7,461.8	31.4%	823,828	188,705	22.9%	\$ 0.029	\$ 0.040
Small Business Direct Install	1,347	392	29.1%		11,500	2,385	20.7%		693	173	24.9%	\$ 7,568.6	1,545.1	20.4%	126,066	28,967	23.0%	\$ 0.060	\$ 0.053
Commercial Connected Solutions												\$ 2,078.5	84.2	4.1%					
Commercial Pilots												\$ 106.3	25.8	24.2%					
Community Based Initiatives - C&I												\$ 66.1	0.6	0.9%					
Financing												\$ 5,216.7	0.0	0.0%					
<b>SUBTOTAL</b>	<b>17,463</b>	<b>3,033</b>	<b>17.4%</b>	<b>64%-94%</b>	<b>94,198</b>	<b>20,290</b>	<b>21.5%</b>	<b>64%-94%</b>	<b>3,470</b>	<b>2,000</b>	<b>57.6%</b>	<b>\$ 44,173.1</b>	<b>10,254.8</b>	<b>23.2%</b>	<b>1,097,807</b>	<b>244,988</b>	<b>22.3%</b>	<b>\$ 0.040</b>	<b>\$ 0.042</b>
<b>Income Eligible Residential</b>																			
Single Family - Income Eligible Services	566	170	30.1%		3,755	976	26.0%		3,300	1,607	48.7%	\$ 12,846.1	3,130.0	24.4%	45,723	11,868	26.0%	\$ 0.281	\$ 0.264
Income Eligible Multifamily	155	1	0.7%		2,392	17	0.7%		4,800	441	9.2%	\$ 3,549.0	135.4	3.8%	31,899	171	0.5%	\$ 0.111	\$ 0.794
<b>SUBTOTAL</b>	<b>721</b>	<b>171</b>	<b>23.8%</b>	<b>42%-72%</b>	<b>6,147</b>	<b>992</b>	<b>16.1%</b>	<b>42%-72%</b>	<b>8,100</b>	<b>2,048</b>	<b>25.3%</b>	<b>\$ 16,395.1</b>	<b>3,265.4</b>	<b>19.9%</b>	<b>77,623</b>	<b>12,038</b>	<b>15.5%</b>	<b>\$ 0.211</b>	<b>\$ 0.271</b>
<b>Non-Income Eligible Residential</b>																			
Residential New Construction	74	33	44.8%		870	209	24.0%		352	193	54.8%	\$ 973.5	336.4	34.6%	15,846	4,025	25.4%	\$ 0.061	\$ 0.084
ENERGY STAR® HVAC	94	29	31.3%		2,233	659	29.5%		1,992	1,758	88.2%	\$ 2,525.1	968.0	38.3%	33,961	11,141	32.8%	\$ 0.074	\$ 0.087
EnergyWise	967	402	41.6%		6,082	2,410	39.6%		11,000	4,897	44.5%	\$ 15,692.2	4,999.0	31.9%	22,310	9,596	43.0%	\$ 0.703	\$ 0.521
EnergyWise Multifamily	364	21	5.8%		2,793	331	11.8%		4,000	1,651	41.3%	\$ 2,804.3	332.6	11.9%	29,344	2,313	7.9%	\$ 0.096	\$ 0.144
ENERGY STAR® Lighting	6,201	2,124	34.3%		38,093	12,950	34.0%		256,082	81,025	31.6%	\$ 15,375.8	3,164.6	20.6%	195,647	66,190	33.8%	\$ 0.079	\$ 0.048
Residential Consumer Products	714	125	17.5%		4,768	695	14.6%		26,905	3,744	13.9%	\$ 2,199.2	369.0	16.8%	32,041	5,097	15.9%	\$ 0.069	\$ 0.072
Home Energy Reports	3,195	1,913	59.9%		23,239	13,914	59.9%		323,248	273,772	84.7%	\$ 2,728.1	1,108.2	40.6%	23,239	13,914	59.9%	\$ 0.117	\$ 0.080
Residential Connected Solutions												\$ 461.6	164.1	35.5%					
Energy Efficiency Education Programs												\$ 40.0	18.8	47.0%					
Residential Pilots												\$ 287.8	46.6	16.2%					
Community Based Initiatives - Residential												\$ 203.9	6.9	3.4%					
Comprehensive Marketing - Residential												\$ 382.3	29.4	7.7%					
<b>SUBTOTAL</b>	<b>11,609</b>	<b>4,649</b>	<b>40.0%</b>	<b>61%-91%</b>	<b>78,077</b>	<b>31,169</b>	<b>39.9%</b>	<b>61%-91%</b>	<b>623,580</b>	<b>367,039</b>	<b>58.9%</b>	<b>\$ 43,673.8</b>	<b>11,543.5</b>	<b>26.4%</b>	<b>352,388</b>	<b>112,277</b>	<b>31.9%</b>	<b>\$ 0.124</b>	<b>\$ 0.103</b>
<b>Regulatory</b>																			
EERMC												\$ 893.7	441.4	49.4%					
OER												\$ 893.7	670.3	75.0%					
<b>SUBTOTAL</b>												<b>\$ 1,787.4</b>	<b>\$ 1,111.7</b>	<b>62.2%</b>					
<b>TOTAL</b>	<b>29,793</b>	<b>7,853</b>	<b>26.4%</b>	<b>62%-92%</b>	<b>178,423</b>	<b>52,451</b>	<b>29.4%</b>	<b>62%-92%</b>	<b>635,150</b>	<b>371,087</b>	<b>58.4%</b>	<b>\$ 106,029.4</b>	<b>\$ 26,175.4</b>	<b>24.7%</b>	<b>1,527,817</b>	<b>369,304</b>	<b>24.2%</b>	<b>\$ 0.069</b>	<b>\$ 0.071</b>
Municipal LED Street Lights												\$ 600.0	0.0	0.0%					
System Reliability Procurement												\$ 81.2	10.2	12.6%					

NOTES

(1)(4)(7) Targets from Docket 4979 - Attachment 5, Table E-7 (electric), Refiled December 23, 2019

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

(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 Implementation Budget from Docket 4979, Attachment 5 Table E-3 (electric), Refiled December 23, 2019

(11) Year To Date Expenses include Implementation expenses.

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

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

(16) Planned \$/lifetime MWh from Docket 4979 - Attachment 5, Table E-5 (electric), Refiled December 23,2019 - adjusted to reflect format of quarterly report. Program Implementation Expenses/lifetime kWh.

(18),(19) Given ongoing uncertainties related to the impact of COVID-19 on customer adoption of energy efficiency measures, the Company is providing a range for its program year sector level forecasts. The high end of savings forecasts assumes accelerated recovery in vendor access to and capacity for on-premise service delivery and customer appetite for energy efficiency investments. The low-end of the savings forecast assumes a degradation in COVID-19 related conditions, including the potential for additional suspensions of on-premise services later in 2020.

System Reliability Procurement targets from Docket 4979 - Attachment 5, Table E-2 (electric), not included in Expenses Total

\$600,000 of RGGI funding was transferred from the Office of Energy Resources to National Grid for Municipal LED Street Lights in the first quarter.

Values in quarterly reports are preliminary and subject to change. Data is finalized in the Year-End Report.

**NATIONAL GRID ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND**  
**Table 2: Summary of Gas 2020 Target and Preliminary 2nd Quarter Results**

GAS PROGRAMS	(1)	(2)	(3)	(16)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	Energy Savings (MMBtu)				Customer Participation			Expenses (\$ 000)			Energy Savings (Lifetime MMBtu)			\$/Lifetime MMBtu		Peak Hour Gas Demand Savings (MMBtu)
Sector and Program	Target	Year To Date	Pct Achieved	Year End Forecast MMBtu Range	Target	Year To Date	Pct Achieved	Budget	Year To Date	Pct Achieved	Planned	Year To Date	Pct Achieved	Planned	Year to Date	Year to Date
<b>Commercial and Industrial</b>																
Large Commercial New Construction	45,474	10,486	23.1%		83	28	34.1%	\$ 2,652.6	\$ 794.4	29.9%	776,748	164,316	21.2%	\$ 3.41	\$ 4.83	5.24
Large Commercial Retrofit	163,011	14,059	8.6%		88	27	30.4%	\$ 4,889.1	\$ 440.2	9.0%	1,689,045	136,946	8.1%	\$ 2.89	\$ 3.21	7.03
Small Business Direct Install	2,523	891	35.3%		59	28	46.9%	\$ 125.0	\$ 42.5	34.0%	17,662	8,624	48.8%	\$ 7.08	\$ 4.93	0.45
Commercial & Industrial Multifamily	11,155	234	2.1%		729	27	3.7%	\$ 967.9	\$ 106.0	10.9%	155,596	3,701	2.4%	\$ 6.22	\$ 28.63	0.12
Commercial Pilots								\$ 366.0	\$ 1.3	0.4%						
Finance								\$ 500.0	\$ -	0.0%						
Community Based Initiatives - C&I								\$ 22.0	\$ -	0.0%						
<b>SUBTOTAL</b>	<b>222,164</b>	<b>25,670</b>	<b>11.6%</b>	<b>31%-61%</b>	<b>958</b>	<b>110</b>	<b>11.4%</b>	<b>\$ 9,522.7</b>	<b>\$ 1,384.3</b>	<b>14.5%</b>	<b>2,639,051</b>	<b>313,588</b>	<b>11.9%</b>	<b>\$ 3.61</b>	<b>\$ 4.41</b>	<b>12.83</b>
<b>Income Eligible Residential</b>																
Single Family - Income Eligible Services	10,096	1,932	19.1%		861	176	20.4%	\$ 5,952.3	\$ 1,259.8	21.2%	201,916	38,638	19.1%	\$ 29.48	\$ 32.61	0.97
Income Eligible Multifamily	24,413	578	2.4%		3,500	580	16.6%	\$ 3,009.5	\$ 165.1	5.5%	447,962	8,689	1.9%	\$ 6.72	\$ 19.00	0.29
<b>SUBTOTAL</b>	<b>34,508</b>	<b>2,510</b>	<b>7.3%</b>	<b>37%-67%</b>	<b>4,361</b>	<b>756</b>	<b>17.3%</b>	<b>\$ 8,961.8</b>	<b>\$ 1,425.0</b>	<b>15.9%</b>	<b>649,878</b>	<b>47,327</b>	<b>7.3%</b>	<b>\$ 13.79</b>	<b>\$ 30.11</b>	<b>1.26</b>
<b>Non-Income Eligible Residential</b>																
EnergyWise	25,621	9,059	35.4%		2,050	1,583	77.2%	\$ 8,117.6	\$ 2,719.4	33.5%	608,029	210,568	34.6%	\$ 13.35	\$ 12.91	4.53
Energy Star® HVAC	29,994	10,783	36.0%		3,677	1,101	30.0%	\$ 2,693.1	\$ 1,163.3	43.2%	495,828	183,851	37.1%	\$ 5.43	\$ 6.33	5.39
EnergyWise Multifamily	14,561	3,846	26.4%		4,360	110	2.5%	\$ 1,512.1	\$ 247.8	16.4%	225,079	61,986	27.5%	\$ 6.72	\$ 4.00	1.92
Home Energy Reports	115,426	65,844	57.0%		152,324	155,596	102.1%	\$ 471.5	\$ 185.5	39.3%	115,426	65,844	57.0%	\$ 4.08	\$ 2.82	32.92
Residential New Construction	4,346	344	7.9%		300	28	9.3%	\$ 620.5	\$ 151.9	24.5%	82,971	8,589	10.4%	\$ 7.48	\$ 17.68	0.17
Comprehensive Marketing - Residential								\$ 79.9	\$ 6.6	8.3%						
Community Based Initiatives - Residential								\$ 68.9	\$ 1.0	1.5%						
<b>SUBTOTAL</b>	<b>189,948</b>	<b>89,877</b>	<b>47.3%</b>	<b>63%-93%</b>	<b>162,711</b>	<b>158,418</b>	<b>97.4%</b>	<b>\$ 13,563.6</b>	<b>\$ 4,475.5</b>	<b>33.0%</b>	<b>1,527,333</b>	<b>530,839</b>	<b>34.8%</b>	<b>\$ 8.88</b>	<b>\$ 8.43</b>	<b>44.94</b>
<b>Regulatory</b>																
EERMC								\$ 361.2	\$ 178.4	49.4%						
OER								\$ 361.2	\$ 270.9	75.0%						
<b>SUBTOTAL</b>								<b>\$ 722.4</b>	<b>\$ 449.3</b>	<b>62.2%</b>						
<b>TOTAL</b>	<b>446,621</b>	<b>118,057</b>	<b>26.4%</b>	<b>47%-77%</b>	<b>168,030</b>	<b>159,284</b>	<b>94.8%</b>	<b>\$ 32,770.4</b>	<b>\$ 7,734.0</b>	<b>23.6%</b>	<b>4,816,261</b>	<b>891,753</b>	<b>18.5%</b>	<b>\$ 6.80</b>	<b>\$ 8.67</b>	<b>59.03</b>

NOTES  
(1)(4) Targets from Docket 4979 - 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 Implementation Budget from Docket 4979, Attachment 6 Table G-3 (gas), Refiled December 4, 2019.  
(8) Year To Date Expenses include Implementation expenses.  
(9) Pct Achieved is Column (8)/ Column (7).  
(13) Planned \$/lifetime MMBtu from Docket 4979 - Attachment 6, Table G-5 (gas), Refiled December 4, 2019 - adjusted to reflect format of quarterly report. Program Implementation Expenses/lifetime MMBtu.  
(14) \$/lifetime MMBtu = Column (8)\*1000/Column (11)  
(15) Peak Hour Gas Demand Savings is a test metric in 2020 and represents a rough approximation of peak-hour gas demand impacts. Column(2) \*0.01 \*0.05  
(16) Given ongoing uncertainties related to the impact of COVID-19 on customer adoption of energy efficiency measures, the Company is providing a range for its program year sector level forecasts. The high end of savings forecasts assumes accelerated recovery in vendor access to and capacity for on-premise service delivery and customer appetite for energy efficiency investments. The low-end of the savings forecast assumes a degradation in COVID-19 related conditions, including the potential for additional suspensions of on-premise services later in 2020.  
Values in quarterly reports are preliminary and subject to change. Data is finalized in the Year-End Report.

**NATIONAL GRID ELECTRIC ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND**  
**Table 3: National Grid 2020 Revolving Loan Funds**

**Large C&I Electric Revolving Loan Fund**

**Small Business Electric Revolving Loan Fund**

<u>Income Statement</u>		
(1)	2019 Funds Available	\$7,023,410
(2)	2019 Loan budget	\$10,000,000
(3)	Committed	\$9,074,518
(4)	Paid	\$1,414,691
(5)	Repayments	\$2,624,459
(6)	Available 6/30/20	\$841,341
(7)	Outstanding loan volume	\$10,501,817
(8)	Loan defaults during period (\$)	\$0
(9)	Arrears over 120 days at period end (\$)	\$13,144
<u>Program Impact</u>		
(10)	Number of loans	28
(10b)	Participants	18
(11)	Annual Savings (Gross MWh)	1,885
(12)	Annual Savings (Net MWh)	1,545
(13)	Lifetime Savings (Gross MWh)	23,873
(14)	Lifetime Savings (Net MWh)	19,581
(15)	Annual Savings (Gross kW)	214
(16)	Annual Saving (Net kW)	226
(17)	Total associated incentive volume (\$)	\$370,708
(18)	Total annual estimated energy cost savings (\$)	\$340,187

<u>Income Statement</u>		
(1)	2019 Funds Available	\$2,556,663
(2)	2019 Loan Budget	\$3,000,000
(3)	Committed	\$0
(4)	Paid	\$533,708
(5)	Repayments	\$846,511
(6)	Available 6/30/20	\$2,869,467
(7)	Outstanding loan volume	\$871,777
(8)	Loan defaults during period (\$)	\$0
(9)	Arrears over 120 days at period end (\$)	\$33,580
<u>Program Impact</u>		
(10b)	Participants	196
(11)	Annual Savings (Gross MWh)	2,414
(12)	Annual Savings (Net MWh)	2,385
(13)	Lifetime Savings (Gross MWh)	29,101
(14)	Lifetime Savings (Net MWh)	28,967
(15)	Annual Savings (Gross kW)	430
(16)	Annual Saving (Net kW)	392
(17)	Total associated incentive volume (\$)	\$1,233,397
(18)	Total annual estimated energy cost savings (\$)	\$422,143

**Rhode Island Public Energy Partnership (RI PEP)**

<u>Income Statement</u>		
(1)	2019 Funds Available	\$321,649
(2)	2019 Budget	\$0
(3)	Committed	\$0
(4)	Paid	\$0
(4a)	Funds Returned to OER	\$0
(5)	Repayments	\$89,247
(6)	Available 6/30/20	\$410,896
(7)	Outstanding loan volume	\$105,574
(8)	Loan defaults during period (\$)	0
(9)	Arrears over 120 days at period end (\$)	0
<u>Program Impact</u>		
(10)	Number of loans	0
(10b)	Participants	0
(11)	Annual Savings (Gross MWh)	0
(12)	Annual Savings (Net MWh)	0
(13)	Lifetime Savings (Gross MWh)	0
(14)	Lifetime Savings (Net MWh)	0
(15)	Annual Savings (Gross kW)	0
(16)	Annual Saving (Net kW)	0
(17)	Total associated incentive volume (\$)	\$0
(18)	Total annual estimated energy cost savings (\$)	\$0

Notes

- 1 Amount available as of January 1, 2020.
- 2 Budget adopted by Sales Team for 2019 operations. Budget includes projections of repayments made during 2020.
- 3 As of June 30, 2020.
- 4 As of June 30, 2020. This includes all projects paid through June 30, 2020 and the OBR associated with those projects. OBR payment are processed once the associated incentive has been paid usually in batches.
- 4a Funds returned to RI OER.
- 5 As of June 30, 2020
- 6 Fund balance as of June 30, 2020. Committed funds are subtracted from this amount even though they have not been paid out as of June 30 and may not be paid out until 2021.
- 7 Total outstanding loan balance. Loans lent out that still need to be paid back. This includes loans from previous years.
- 8 Total loan value in default during period.
- 9 Total loan value in arrears for over 120 days as of June 30, 2020.
- 10 As of June 30, 2020
- 10b Unique customer names for large business (one customer name can have multiple sub accounts as is in the case of a franchise). Customer accounts used for small business (not adjusted for net-to-gross).
- 11 As of June 30, 2020
- 12 As of June 30, 2020
- 13 As of June 30, 2020
- 14 As of June 30, 2020
- 15 As of June 30, 2020
- 16 As of June 30, 2020
- 17 Incentives paid out with loans.
- 18 Estimated energy cost savings to loan fund participants.

**NATIONAL GRID GAS ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND**  
**Table 4: National Grid 2020 Revolving Loan Funds**

**Large C&I Gas Revolving Loan Fund**

<u>Income Statement</u>		
(1)	2019 Funds Available	\$804,205
(2)	2019 Loan budget	\$1,100,000
(3)	Committed	\$500,718
(4)	Paid	\$263,030
(5)	Repayments	\$370,576
(6)	Available 6/30/20	\$411,033
(7)	Outstanding loan volume	\$1,590,931
(8)	Loan defaults during period (\$)	\$0
(9)	Arrears over 120 days at period end (\$)	\$20,000
<u>Program Impact</u>		
(10)	Number of loans	2
(10b)	Participants	1
(11)	Annual Savings (Gross MMBtu)	4,971
(12)	Annual Savings (Net MMBtu)	4,419
(13)	Lifetime Savings (Gross MMBtu)	49,710
(14)	Lifetime Savings (Net MMBtu)	44,193
(17)	Total associated incentive volume (\$)	\$73,018
(18)	Total annual estimated energy cost savings (\$)	\$90,613

Notes

- 1 Amount available as of January 1, 2020.
- 2 Budget adopted by Sales Team for 2020 operations. Budget includes projections of repayments made during 2020.
- 3 As of June 30, 2020.
- 4 As of June 30, 2020. This includes all project paid in 2019 and the OBR associated with those projects. OBR payment are processed once the associated incentive has been paid usually in batches.
- 5 As of June 30, 2020
- 6 Fund balance as of June 30, 2020. Committed funds are subtracted from this amount.
- 7 Total outstanding loan balance. Loans lent out that still need to be paid back. This includes loans from previous years.
- 8 Total loan value in default during period.
- 9 Total loan value in arrears for over 120 days as of June 30, 2020.
- 10 As of June 30, 2020
- 10b Unique customer names for large business (one customer name can have multiple sub accounts as is in the case of a franchise).
- 11 As of June 30, 2020
- 12 As of June 30, 2020
- 13 As of June 30, 2020
- 14 As of June 30, 2020
- 15 As of June 30, 2020
- 16 As of June 30, 2020
- 17 Incentives paid out with loans.
- 18 Estimated energy cost savings to loan fund participants.

**Table 5  
National Grid  
2020 Test Metrics**

<b>Customer Satisfaction<sup>1</sup></b>
92.7%

**NOTES**

<sup>1</sup>The Customer Satisfaction metric is based on an average across the EnergyWise, Single Family Income Eligible Services, and Residential Consumer Products Programs. The metric is based off customer responses to the following questions: Would you recommend this service to friend or family? How satisfied are you with the energy efficiency services you received?

**Efficient Buildings Fund**  
**Rhode Island Infrastructure Bank / Office of Energy Resources**  
**January 1, 2020 to June 30, 2020 Report**

*Financing Program Income Statement (Note 1)*

Funds Available (1/1/20)	\$7,315,929
SBC fund contribution	\$0
Loans Repayments (principal only) (Note 2)	\$0
Loans Defaults	\$0
Funds Closed	\$1,000,000
Funds Committed (Note 3)	\$3,200,000
Funds Available (6/30/20)	\$3,112,682
Outstanding Closed Loan Value (contracted balance as of 6/30/20) (Note 4)	\$10,047,000

*Financing Program Impacts (Note 5)*

<i>Participation</i>	
Number of Loans (# - since inception)	16
Number of Participants (# - since inception)	13
<i>Projects</i>	
Total Loan Volume (\$ - since inception)	\$33,741,615
Total Associated Incentive Volume (\$ - since inception)	\$1,215,363
<i>Savings (2020) (Note 6)</i>	
Net Annual Electricity Savings Supported (MWh)	630 MWh
Net Annual Capacity Reductions Supported (kW) (6)	0 (STL)
Net Annual Thermal Energy Saving Supported (therms)	0
Net Lifetime Energy Savings Supported (MMBTU)	0
Total Annual Estimated Cost Savings (\$)	\$488,555

Note (1): Financing program income statement reflects exclusively EBF projects funded with SBC.

Note (2): Principal repayments are due September 1 of each year. EBF loan repayment from all funding sources is \$0 from 1/1/20 to 6/30/20.

Note (3): Funds committed represents funds committed to loans that have not yet closed. These funds are unavailable to be lent to other projects.

Note (4): Outstanding loan value represents contracts outstanding balance committed to SBC funded loans. Principal balance for the program overall is \$24,997,096. Not all loans are fully disbursed.

Note (5): Financing program impacts reflects full program outcomes, including projects funded with sources other than SBC.

Note (6): Savings values only represent savings from projects that have been completed 1/1/20 to 6/30/20.

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.

\_\_\_\_\_  
Joanne M. Scanlon

August 28, 2020  
Date

**Docket No. 4979 - National Grid – 2020 Energy Efficiency Plan (EEP)  
Service list updated 1/2/2020**

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