

**The Narragansett Electric Company  
d/b/a Rhode Island Energy**

**2022 Energy Efficiency Year-End Report**

**June 1, 2023**

**Filing Letter  
& Motion**

June 1, 2023

**VIA ELECTRONIC MAIL**

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

**RE: Docket No. 5189 – 2022 Annual Energy Efficiency Plan  
Year-End Report with Confidential Vendor Schedules**

Dear Ms. Massaro:

On behalf of The Narragansett Electric Company d/b/a Rhode Island Energy (the “Company”), enclosed, please find the Company’s 2022 Energy Efficiency Year-End Report (“Year-End Report”) with confidential vendor schedules. This Year-End Report is being filed in accordance with Section 15 of the 2022 Annual Energy Efficiency and Conservation Procurement Program Plan (“Annual Plan”).

Highlights

For 2022, the Company spent a total of \$83.8M on the electric portfolio as compared to the approved budget of \$108.7M. The Company spent a total of \$31.9M on the gas portfolio as compared to the approved budget of \$36.9M.

The 2022 programs created electric cost savings of \$179M and gas cost savings of \$110M for Rhode Island customers over the life of the installed energy efficiency measures. The programs supported 708 full-time equivalent workers and added \$200M to Rhode Island’s gross state product.

For 2022, the Company achieved 712,989 lifetime MWh energy savings which equates to 85.5% of target set forth for the 2022 program year by the 2021-2023 Energy Efficiency and Conservation Procurement Plan (“Three-Year Plan”). For gas, the Company achieved 3,642,284 lifetime MMBtu which equates to 89.7% of target set forth for the 2022 program year by Three-Year Plan.

The 2022 electric demand savings were 14,808 kW which equates to 85.3% of the target set forth by the Annual Plan.

For 2022, the total shareholder incentive earned by the Company was \$2.95M for electric and \$0.5M for gas.

### Year-End Report and Attachments

The Year-End Report summarizes the gas and electric results, program highlights, and customer experiences during the 2022 energy efficiency program year. The Year-End Report includes several attachments and schedules which are as follows:

- **Attachment 1** – Electric Summary Table of Year-End Results
- **Attachment 1a** – Electric Costs Schedules
- **Attachment 2** – Gas Summary Table of Year-End Results
- **Attachment 2a** – Gas Costs Schedules
- **Attachment 3** – Case Studies and Evaluation Summaries
- **Attachment 4** – Year-End Participation Memo
- **Attachment 5** – Rhode Island Energy Efficiency Program Vendor List

### Vendor Schedules

This filing also includes the following vendor schedules which will be sent electronically to the Public Utilities Commission (“PUC”) and the Division of Public Utilities and Carriers (“Division”) via a secured link.

- **Confidential Vendor Schedule 1 - 2022 Year End Report - Table E-1 - Program Level Cost Breakdown into Subcategories:** A breakout of the electric energy efficiency programs by cost category and sub category, detailing vendor and external entity costs at a program level. (not included in public filing)
- **Confidential Vendor Schedule 2 - 2022 Year End Report - Table G-1 - Program Level Cost Breakdown into Subcategories:** A breakout of the gas energy efficiency programs by cost category and sub category, detailing vendor and external entity costs at a program level. (not included in public filing)
- **Confidential Vendor Schedule 3 - 2022 Rhode Island Energy Efficiency Vendor Costs (Electric and Natural Gas):** A listing of the vendor and external entity costs across both the electric and gas portfolios, broken out by cost category. (not included in public filing)
- **Confidential Vendor Schedule 4 - 2022 Rhode Island Energy Efficiency Vendor Costs >\$1M (Electric and Natural Gas):** A listing of the vendor and external entity costs greater than \$1M across both the electric and gas portfolios

in 2022, broken out by cost category, with additional description added of vendor services rendered, and additional vendor details. (not included in public filing)

- **Confidential Vendor Schedule 4a - 2022 Rhode Island Energy Efficiency Vendor Costs >\$1M (Electric):** A listing of the vendor and external entity costs greater than \$1M for the electric portfolio in 2022, broken out by cost category. (not included in public filing)
- **Confidential Vendor Schedule 4b - 2022 Rhode Island Energy Efficiency Vendor Costs >\$1M (Natural Gas):** A listing of the vendor and external entity costs greater than \$1M for the gas portfolio in 2022, broken out by cost category. (not included in public filing)

Please be advised that the vendor schedules contain confidential and privileged information. As such, the confidential vendor schedules have been omitted from the public version of this filing. Pursuant to 810-RICR-00-00-1.3(H)(3) and R.I. Gen. Laws § 38-2-2(4)(B), the Company respectfully requests that the PUC treat the vendor schedules as confidential. In support of this request, the Company has enclosed a Motion for Protective Treatment of Confidential Information. In accordance with 810-RICR-00-00-1.3(H)(2), the Company also respectfully requests that the PUC make a preliminary finding that the confidential vendor schedules be exempt from the mandatory public disclosure requirements of the Rhode Island Access to Public Records Act (“APRA”).

Thank you for your attention to this filing. If you have any questions, please do not hesitate to contact me at 401-784-4263.

Sincerely,



Andrew S. Marcaccio

cc: Docket No. 5189 Service List  
Docket No. 22-33-EE Service List

STATE OF RHODE ISLAND  
PUBLIC UTILITIES COMMISSION

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**IN RE: 2022 ENERGY EFFICIENCY PROGRAM**  
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**Docket No. 5189**

**MOTION OF THE NARRAGANSETT ELECTRIC COMPANY D/B/A  
RHODE ISLAND ENERGY FOR PROTECTIVE TREATMENT OF  
CONFIDENTIAL INFORMATION**

The Narragansett Electric Company d/b/a Rhode Island Energy (the “Company”) hereby respectfully requests that the Public Utilities Commission (“PUC”) grant protection from public disclosure certain confidential information submitted by the Company in the above referenced docket. The reasons for the protective treatment are set forth herein. The Company also requests that, pending entry of that finding, the PUC preliminarily grant the Company’s request for confidential treatment pursuant to 810-RICR-00-00-1.3(H)(2).

The record that is the subject of this Motion that requires protective treatment from public disclosure is an Excel file entitled “Confidential Vendor Schedules 2022” (referred to herein as the “Confidential File”) that was filed by the Company on June 1, 2023, as part of the Company’s 2022 Energy Efficiency Year-End Report (“Year-End Report”). The Confidential File contains the following information:

- **Confidential Vendor Schedule 1 - 2022 Year End Report - Table E-1 - Program Level Cost Breakdown into Subcategories:** A breakout of the electric energy efficiency programs by cost category and sub category, detailing vendor and external entity costs at a program level.
- **Confidential Vendor Schedule 2 - 2022 Year End Report - Table G-1 - Program Level Cost Breakdown into Subcategories:** A breakout of the gas energy efficiency programs by cost category and sub category, detailing vendor and external entity costs at a program level.

- **Confidential Vendor Schedule 3 - 2022 Rhode Island Energy Efficiency Vendor Costs (Electric and Natural Gas):** A listing of the vendor and external entity costs across both the electric and gas portfolios, broken out by cost category.
- **Confidential Vendor Schedule 4 - 2022 Rhode Island Energy Efficiency Vendor Costs >\$1M (Electric and Natural Gas):** A listing of the vendor and external entity costs greater than \$1M across both the electric and gas portfolios in 2022, broken out by cost category, with additional description added of vendor services rendered, and additional vendor details.
- **Confidential Vendor Schedule 4a - 2022 Rhode Island Energy Efficiency Vendor Costs >\$1M (Electric):** A listing of the vendor and external entity costs greater than \$1M for the electric portfolio in 2022, broken out by cost category.
- **Confidential Vendor Schedule 4b - 2021 Rhode Island Energy Efficiency Vendor Costs >\$1M (Natural Gas):** A listing of the vendor and external entity costs greater than \$1M for the gas portfolio in 2022, broken out by cost category.

The Company requests protective treatment of the Confidential File in accordance with 810-RICR-00-00-1.3(H) and R.I. Gen. Laws § 38-2-2-(4)(B).

## **I. LEGAL STANDARD**

For matters before the PUC, a claim for protective treatment of information is governed by the policy underlying the Access to Public Records Act (APRA), R.I. Gen. Laws § 38-2-1 et seq. See 810-RICR-00-00-1.3(H)(1). Under APRA, any record received or maintained by a state or local governmental agency in connection with the transaction of official business is considered public unless such record falls into one of the exemptions specifically identified by APRA. See R.I. Gen. Laws §§ 38-2-3(a) and 38-2-2(4). Therefore, if a record provided to the PUC falls within one of the designated APRA exemptions, the PUC is authorized to deem such record confidential and withhold it from public disclosure.

## **II. BASIS FOR CONFIDENTIALITY**

The Confidential File, which is the subject of this Motion, is exempt from public disclosure pursuant to R.I. Gen. Laws § 38-2-2(4)(B) as “[t]rade secrets and commercial or financial

information obtained from a person, firm, or corporation that is of a privileged or confidential nature.” The Rhode Island Supreme Court has held that this confidential information exemption applies where the disclosure of information is likely either (1) to impair the government’s ability to obtain necessary information in the future; or (2) to cause substantial harm to the competitive position of the person from whom the information was obtained. *Providence Journal v. Convention Center Authority*, 774 A.2d 40 (R.I. 2001). The first prong of the test is satisfied when information is provided to the governmental agency and that information is of a kind that would customarily not be released to the public by the person from whom it was obtained. *Providence Journal*, 774 A.2d at 47. In this case, the Company would not customarily release this information to the public.

In addition, the release of the Confidential File is likely to cause substantial harm to the competitive position of the Company. The Confidential File includes sensitive information and other commercial details regarding the Company’s vendors. Disclosing this information to the public could harm the Company’s ability to procure vendors in the most cost-effective manner and, ultimately, harm customers.

### **III. CONCLUSION**

For the foregoing reasons, the Company respectfully requests that the PUC grant this motion for protective treatment of the Confidential File.

[SIGNATURE PAGE FOLLOWING]



Respectfully submitted,

RHODE ISLAND ENERGY

By its attorney,



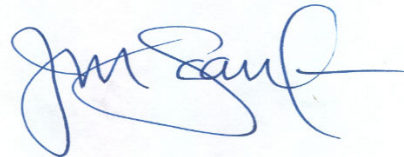
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Andrew S. Marcaccio (#8168)  
Rhode Island Energy  
280 Melrose Street  
Providence, RI 02907  
(401) 784-4263

Dated: June 1, 2023

**CERTIFICATE OF SERVICE**

I hereby certify that on June 1, 2023, I delivered a true copy of the foregoing Motion via electronic mail to the parties on the Service List for Docket No. 5189.



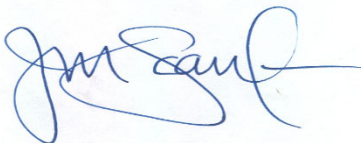
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Joanne M. Scanlon

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.



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Joanne M. Scanlon

June 1, 2023

Date

**Docket No. 5189 – Rhode Island Energy – 2022 Annual Energy Efficiency Program - Service list updated 6/1/2023**

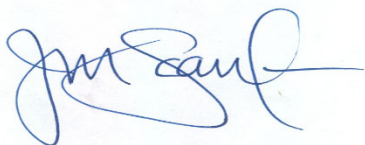
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Certificate of Service

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.



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Joanne M. Scanlon

June 1, 2023

Date

**Docket No. 22-33-EE – Rhode Island Energy’s Energy Efficiency Plan 2023  
Service list updated 6/1/2023**

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**The Narragansett Electric Company  
d/b/a Rhode Island Energy**

**2022 Energy Efficiency Year-End Report**

**June 1, 2023**

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## **Attachments**

Attachment 1: Electric Summary Tables of Year End Results

Attachment 1a: Electric Costs Schedules

Attachment 2: Gas Summary Tables of Year End Results

Attachment 2a: Gas Costs Schedules

Attachment 3: Case Studies and Evaluation Summaries

Attachment 4: Year End Participation Memo

Attachment 5: Rhode Island Energy Efficiency Program Vendor List

## Overview

This report includes electric and gas energy efficiency (EE) program results, highlights, and customer experiences throughout the year. The electric and gas programs are described more fully in the Settlement of the Parties, filed in Docket No. 5189 on 10/1/2021 and approved by the Rhode Island Public Utilities Commission (PUC) at its open meeting on 1/22/2022. A central goal of the Company was to achieve electric and gas savings relative to targets established in the 2022 EE Plan, which were consistent with the goals established for 2022 in the 2021-2023 Three Year Least Cost Procurement Plan. The 2022 electric energy savings target was 833,808 net lifetime MWh. At year's end, the Company achieved 712,989 lifetime MWh energy savings (85.5% of target). The 2022 demand savings target was 17,359 annual kW. At year's end, the Company achieved 14,808 kW savings (85.3% of target). The 2022 gas savings target was 4,059,902 net lifetime MMBtu. At year's end, the Company achieved 3,642,284 lifetime MMBtu (89.7% of target). In total, the 2022 programs created electric cost savings of \$179 million and gas cost savings of \$110 million for Rhode Island customers over the life of the installed energy efficiency measures. In addition to cost savings, the 2022 EE programs created significant economic benefits. In 2022, the programs supported 708 full-time equivalent (FTE) workers. Many of the jobs created by energy efficiency investments were local. In fact, of the 980 companies and agencies involved in the Company's 2022 energy efficiency programs, 73% were located in Rhode Island. Additionally, the 2022 EE programs will add \$200 million to Rhode Island's Gross State Product (GSP). Case studies of 2022 program activities and summaries of evaluation studies conducted in 2022 can be found in Attachment 3. Details on customer participation in energy efficiency programs in 2022 can be found in Attachment 4.

# Residential Programs

## Overview

In 2022, the Residential sector was cost-effective with Rhode Island Test benefit-cost ratios of 1.81 for electric programs and 1.92 for gas programs. The Company spent 81.9% of its electric Residential implementation budget. The Company achieved 92.3% of target Residential net lifetime electric energy savings and 102.4% of target Residential electric net annual demand savings. The Company spent 87.7% of its gas Residential implementation budget. The Company achieved 96.6% of target Residential net lifetime gas savings. More detailed information can be found in Attachment 1 for electric and Attachment 2 for gas.

## EnergyWise Single Family

EnergyWise is a direct-to-customer in-home program that educates residents on how their homes can become more energy efficient. In 2022, in-person and virtual programming was offered. EnergyWise works with single family customers of one-to-four-unit buildings in a two-pronged approach. During the initial visit (known as the home energy assessment) an energy specialist spends one-to-three hours providing educational materials and evaluating the customer's home. Instantly recognizable savings opportunities (such as pipe insulation) are installed during this first visit. At the completion of the assessment, the customer receives an Energy Action Plan that recommends additional energy savings opportunities and any accompanying incentives / financing options. Customers that proceed to the next phase of EnergyWise receive weatherization upgrades that provide savings for twenty years regardless of fuel type used. Overall, customers that install EnergyWise weatherization upgrades increase comfort while saving money on energy.

### Overview of Performance

In 2022, the EnergyWise Single Family program achieved electric savings of 12,683 net lifetime MWh (94.1% of target) and gas savings of 526,451 net lifetime MMBtu (110.0% of target).

### Highlights

Of the 37 independent insulation contractors providing weatherization services to the EnergyWise Single Family program, 9 are women or minority-owned businesses. Spanish and English outreach for the moderate-income weatherization offering has continued using RGGI moderate income funding. Overall, customers had positive experiences with weatherization contractors, stating that they were professional, efficient, and informative.

## Residential Consumer Products

The Residential Consumer Products program leverages in-store retailer visits and social media campaigns. An online training platform is used to educate retail sales staff on the program's products and functions. This platform is a critical resource for retailers due the large number of products and features associated with different appliances.

### Overview of Performance

In 2022, the Residential Consumer Products program achieved 17,559 net lifetime MWh of electric savings (36.9% of target).

## Highlights

In 2022, the Company made significant progress on supporting pool pump upgrades to EnergyStar 3.0 specification. In total, customers received incentives on 364 variable speed drives. The Company finished 2022 with over 1,000 dehumidifiers recycled (far exceeding 2021 results). The continued success of this dehumidifier recycling campaign has further enhanced the Company's reputation as a strong community partner. In 2022, the Company launched two new initiatives under Residential Consumer Products:

- Most Efficient Appliance Initiative
  - The Company partnered with Home Depot to offer EnergyStar *Most Efficient* refrigerators and clothes washers. Across 8 Rhode Island Home Depot locations, 143 *Most Efficient* refrigerators and 11 *Most Efficient* clothes washers were sold to Rhode Island Energy customers.
- Advanced Power Strips Initiative
  - The Company signed an agreement with Ocean State Job Lot to provide incentivized advanced power strips. Across 18 Ocean State Job Lot stores, approximately 4,200 strips were sold to Rhode Island Energy customers.

## Home Energy Reports

The Home Energy Reports program encourages energy efficient actions through personalized print and email reports. Each communication channel displays energy consumption patterns, energy reduction goals, and comparisons to similarly sized and heated homes.

### Overview of Performance

In 2022, The Home Energy Reports program achieved 30,814 net lifetime MWh of electric savings (114.8% of target) and 115,975 net lifetime MMBtu of gas savings (124.0% of target).

### Highlights

In 2022, Home Energy Reports provided energy efficiency messaging on the following topics:

- Energy efficiency practices
- Heat pump water heaters and cold climate heat pump technology
- Room air conditioners
- Refrigerator recycling
- Gas heating equipment
- The Company's online marketplace (e.g., Black Friday pricing on smart thermostats)

## Residential New Construction

The Residential New Construction program supports the ground-up development and renovation of single family and multifamily homes for market rate and income eligible customers. The program includes a Home Energy Rating System rating, energy modeling and design assistance, in-field technical training, insulation and air sealing inspections, building performance testing, educational outreach, energy performance-based incentives, complimentary ENERGY STAR® bulbs and WaterSense® showerheads, optional ENERGY STAR® Homes verification, and support for projects seeking additional certifications such as DOE Zero Energy Ready, Passive House/PHIUS, LEED-H, and Living Building Challenge.

## Overview of Performance

In 2022, the Residential New Construction program achieved 6,859 net lifetime MWh of electric savings (45.9% of target) and 96,022 net lifetime MMBtu of gas savings (148.0% of target).

## Highlights

Below are the totals for program enrollments and completed units:

- 431 housing units were built to program standards.
  - Construction type: 196 units were new construction / full gut rehab (45%) and 235 units were renovation / rehab (55%)
  - Market sector: 169 units were market rate (39%) and 262 units were income eligible (61%)
  - Heating equipment type: 282 units are gas-heated (71%), 61 units are electric-heated (heat pumps) (15%) and 55 units feature hybrid electric and propane heat pumps (14%)
- Certifications:
  - 10 units are EnergyStar certified
  - 4 units are DOE Zero Energy Ready
  - 6 units are Passive House

Below are two examples of projects completed in 2022:

### 1492 Westminster Street, Providence

1492 Westminister Street offers a commercial space and seven one-bedroom apartment units (including an accessible unit on the ground floor). The commercial space seamlessly connects with the street through wide windows and an open table seating area on the sidewalk. As part of the Armory Historic District, 1492 Westminister draws from the aesthetic of neighboring buildings while remaining a contemporary building. 1492 Westminister Street is the first mixed-use multifamily building in Rhode Island built to the exact Passive House standards administered by the Passive House Institute US (PHIUS). The PHIUS standards are widely regarded as the most stringent energy efficiency standards in the world. In addition to Passive House certification, 1492 Westminister Street successfully met all Residential New Construction program requirements and was certified EnergyStar and DOE Zero Energy Ready.



### **500 S Water Street, Providence**

In 2011, a section of I-195 was relocated, freeing up 26 acres of land for redevelopment. 500 S Water Street's construction was approved by the I-195 commission as Parcel 6 of the redevelopment zone. The building consists of 62 residential units and a retail space. Recently, the grocery chain Trader Joe's opened in the retail space.





## EnergyStar HVAC

The Residential EnergyStar HVAC program promotes the installation of high-efficiency equipment for gas and electric space heating and cooling, water heating, and controls via tiered customer rebates. The program provides contractor training and incentives to ensure best practices for the proper design of distribution system improvements, equipment sizing and quality installation.

### Overview of Performance

In 2022, The EnergyStar HVAC program achieved 114,444 net lifetime MWh of electric savings (147.3% of target) and 391,435 net lifetime MMBtu of gas savings (89.0% of target).

### Highlights

The Company has continued the HVAC program's weekly newsletter. Featured topics include rebate submission reminders/deadlines and promotion of upcoming trainings. There are over 650 recipients currently on the newsletter's distribution list. In 2022, the Company was invited by Lawrence Air Systems (an HVAC contractor) to teach a class for students at MTTI (a technical career training school). The class received excellent feedback from Jason Lawrence, the owner of Lawrence Air Systems. In 2022, the lead program vendor attended a meeting sponsored by Mitsubishi. The vendor provided information on rebate applications, training opportunities, installation best practices, and more. This meeting allowed the vendor to connect further with industry colleagues.

## Multifamily

The Multifamily program serves gas and electric multifamily buildings (5+ dwelling units). The program is available to both market rate, Income Eligible, and C&I customers. Offerings include energy assessments, incentives for heating / domestic hot water systems, cooling equipment, lighting, and appliances.

### Overview of Performance

In 2022, the EnergyWise Multifamily achieved 3,442 net lifetime MWh of electric savings (16.6% of target) and 52,679 net lifetime MMBtu of gas savings (35.8% of target).

### Highlights

Below are three examples of projects completed in 2022:



### **Weatherization in West Warwick**

This project consisted of air sealing, insulation, bath venting, and showerhead / thermostat / lamp replacements. The gas incentive for this project was \$24,978 with an estimated net lifetime savings of 23,000 therms. The electric incentive was \$1,331 with an estimated net lifetime savings of 3,200 kWh.

### **Thermostat and Lighting Upgrades in Providence**

This project saw the replacement of 110 non-programmable thermostats with digital programmable thermostats. Additionally interior and exterior lighting fixtures were upgraded. The gas incentive for this project was \$20,680 with an estimated net lifetime savings of 23,000 therms. The electric incentive was \$48,245 with an estimated net lifetime savings of 55,000 kWh.

### **Boiler Replacement in Providence**

This project saw the replacement of a 300 MBH heating boiler with a 285 MBH high efficiency condensing boiler. The existing domestic hot water (DHW) and heating systems circulators were also replaced with high efficiency circulator pumps with speed control. The gas incentive for this project was \$32,247 with an estimated net lifetime savings of 23,000 therms. The electric incentive was \$3,500 with an estimated net lifetime savings of 21,000 kWh.

## **Residential ConnectedSolutions**

ConnectedSolutions uses active demand reduction strategies to reduce peak electrical demand periods throughout the year. All customers with eligible controllable equipment can enroll to participate in active demand reduction.

### **Overview of Performance**

In the summer (June through September) of 2022, 15 thermostat events and 47 battery events were called. In 2022, 5,994 customers registered for the thermostat measure, 256 customers registered for the battery measure, and 738 customers registered for the solar inverter power quality demonstration.

## **Residential Energy Efficiency Education Programs**

The Company – in conjunction with the National Energy Education Development (NEED) Project – offers virtual workshops for teachers covering topics such as energy justice and energy burden. Central High School (Providence) and Scituate High School have received awards for exceptional education programs as part of the NEED Project's National Youth Awards Program for Energy Achievement.

# Income Eligible Services

## Overview

In 2022, the Income Eligible sector was cost-effective with Rhode Island Test benefit-cost ratios of 1.64 for electric programs and 1.77 for gas programs. The Company spent 76.1% of its electric Income Eligible implementation budget. The Company achieved 72.1% of target net lifetime electric energy savings and 86.8% of target electric net annual demand savings. The Company spent 81.4% of its gas Income Eligible implementation budget. The Company achieved 74.3% of target gas net lifetime energy savings. More detailed information can be found in Attachment 1 for electric and Attachment 2 for gas.

## Income Eligible Program/WAP Collaborative

The Company's Income Eligible Services are administered in collaboration with the Rhode Island Department of Human Services (DHS), the CAP agencies, and other local agencies. This collaboration leverages funds that provide energy services to Income Eligible customers in Rhode Island. The programs discussed below allow more customers to receive comprehensive energy assessments of appliances, weatherization, and heating system replacements.

### Low Income Home Energy Assistance Program (LIHEAP)

LIHEAP helps Income Eligible customers meet the increasing costs of home energy and reduces the severity of energy-related crises. LIHEAP is administered by the Rhode Island Department of Human Services (DHS) Individual and Family Support / Community Services Division. LIHEAP intake and outreach is provided by the six local Community Action Program (CAP) agencies. Households are determined eligible for LIHEAP assistance according to income guidelines established by DHS.

### Weatherization Assistance Program (WAP)

WAP helps Income Eligible families reduce their energy bills through home energy efficiency. WAP programs also address health and safety concerns. WAP funds improve energy performance of Income Eligible dwellings by leveraging the most advanced technologies and testing protocols. WAP is funded through annual appropriations from the U.S. Department of Energy's WAP and the U.S. Department of Health and Human Services.

## Income Eligible Single Family

The Income Eligible Single Family (IES) program helps reduce electricity and heating costs without requiring any customer funding. IES services are delivered by Rhode Island's six local Community Action Program (CAP) agencies. Offerings include behavioral / lighting energy assessments, safety / efficiency inspections of the heating and cooling systems, replacement of inefficient / unsafe appliances and heating systems, and inspections of existing insulation for identification of weatherization opportunities. All IES customers receive services and equipment upgrades at no cost.

### Overview of Performance

In 2022, the IES program achieved 27,991 net lifetime MWh of electric savings (72.7% of target) and 129,628 net lifetime MMBtu of gas savings (59.2% of target).

## Highlights

CLEAResult (the lead appliance agency) has improved communication across the Income Eligible Single Family program with assistance from the local appliance vendor, the South Middlesex Opportunity Council, and other local agencies. As an example of the recognition this improved communication has received, the Interstate Renewable Energy Council published an article describing the cooperative development of the Residential Construction Weatherization Program. CLEAResult also participated in the Policy Advisory Committee (PAC) meeting to develop the Bipartisan Infrastructure Law state plan application.

On another front, the Wi-Fi Smart Thermostat program is moving from theoretical to applied. Virtual and in-person equipment selection trainings have been completed. The next phase of training will focus on equipment installation.

## Income Eligible Multifamily

For the program description, please see the Residential Multifamily section above.

### Overview of Performance

In 2022, the Income Eligible Multifamily program achieved 17,288 net lifetime MWh of electric savings (71.1% of target) and 235,706 net lifetime MMBtu of gas savings (86.3% of target).

## Highlights

Below are two examples of projects completed in 2022:

### Boiler Replacement in Providence

Two domestic hot water boilers were replaced with two high efficiency condensing domestic hot water boilers. The installation included two 800,000 BTU water heaters at 99% efficiency and two high efficiency boiler pumps with speed controls. The gas incentive for this project was \$134,983 with an estimated net lifetime savings of 110,000 therms. The electric incentive was \$22,600 with an estimated net lifetime savings of 108,000 kWh.



### Boiler Replacement in Riverside

Three 300 MBH heat boilers were replaced with two 600 MBH high efficiency condensing boilers. The existing DHW and heating circulator pumps were also replaced with new high efficiency circulator pumps. Also included was a complete relamp and reballast of common area strip fixtures. The gas incentive for this project was \$234,605 with an estimated net lifetime savings of 367,000 therms. The electric incentive was \$23,512 with an estimated net lifetime savings of 282,000 kWh.

# Commercial and Industrial Programs

## Overview

In 2022, the Commercial and Industrial (C&I) sector was cost-effective with Rhode Island Test benefit-cost ratios of 2.46 for electric programs and 4.90 for gas programs. The Company spent 70.7% of its electric C&I implementation budget. The Company achieved 84.6% of target net lifetime electric energy savings and 76.5% of target electric net annual demand savings. The Company spent 90.2% of its gas C&I implementation budget. The Company achieved 89.3% of target gas net lifetime energy savings. More detailed information can be found in Attachment 1 for electric and Attachment 2 for gas.

## Large Commercial and Industrial New Construction

The Large C&I New Construction program supports energy efficiency in new construction, major renovations, planned replacement of aging equipment, and replacement of failed equipment through financial incentives and technical assistance to developers, manufacturers, vendors, customers, and design professionals.

### Overview of Performance

In 2022, the Large C&I New Construction program achieved 101,622 net lifetime MWh of electric savings (52.8% of target) and 581,376 net lifetime MMBtu of gas savings (73.7% of target).

### Highlights

Below are examples of ongoing work within the program:

- The Company is working with a university on the construction of a new arena and dining hall
- The Company is working with the State of Rhode Island on a study of a state laboratory facility and a plan for a new 60,000 square foot state police barracks.
- The Company is engaging four new schools about targeting the Path 1 Zero Net Energy program.

## Large Commercial and Industrial Retrofit

The Large C&I Retrofit Program incentivizes the replacement of existing equipment and systems with energy-efficient alternatives when the customer might otherwise not plan on making efficiency investments.

### Overview of Performance

In 2022, the Large C&I Retrofit program achieved 322,519 net lifetime MWh of electric savings (103.1% of target) and 1,374,881 net lifetime MMBtu of gas savings (103.2% of target).

### Highlights

#### Industrial Initiative

A customer replaced an old nitrogen (N<sub>2</sub>) generator with a new system to be used in heat treat ovens. Operating the new N<sub>2</sub> system will require 895 cubic feet per minute (CFM) of compressed air load, plus a new 2,400 CFM cycling dryer to provide additional compressed air capacity. The new system will reduce electricity consumption by 279,018 kWh, with demand savings of 33.2 kW.

### **Strategic Energy Management Partnership**

In 2022, the Company partnered with 7 large Commercial and Industrial customers and 3 State customers as part of the Strategic Energy Management Planning initiative. The SEMP initiative offers longer-term, strategic engagement with a focus on achieving multi-year goals. The goals are then documented in a Memorandum of Understanding between the customer and the Company. The total savings across both C&I and State SEMP's amounted to over 47,000 lifetime MWh and over 305,000 lifetime MMBtu of natural gas in 2022.

### **EnergySmart Grocer Initiative**

Below are five examples of completed projects under the EnergySmart Grocer Initiative

- A grocery chain replaced gaskets on medium and low temperature refrigerator cases at six Rhode Island locations. This project will result in annual savings of 36,000 kWh and 2,000 therms. The grocery chain also received \$21,672 in rebates.
- A grocery chain added a variable speed drive on the motors of a rooftop condenser at a Providence store location. This project will reduce electricity consumption by 29,000 kWh.
- A convenience store chain performed coil cleaning on rooftop condensers and HVAC units at 12 Rhode Island Locations. This project will result in annual savings of approximately 10,000 kWh with very little cost to the stores.
- A grocery chain installed anti-sweat heating controls at seven Rhode Island locations. This project will result in annual savings of nearly 1,000,000 kWh.
- A grocery chain added glass doors to refrigerated food display cases wherever possible at four Rhode Island locations. This project will result in annual savings of 257,000 kWh and 23,000 therms. The grocery chain also received in \$123,423 in rebates.

### **Work with Public Schools**

The Company has partnered the Office of Energy Resources (OER) and the Rhode Island Department of Education (RIDE) to provide technical, procurement, implementation, and financial resources for public schools seeking to implement more energy-efficient equipment and practices at their facilities. In addition to the standard energy efficiency pathways, OER and RIDE have partnered with the Company on two initiatives:

- School Lighting Accelerator Program
  - Part of the state's Lead by Example initiative, this program helps schools to upgrade to LED lighting with controls
- Energy Improvements for Rhode Island Schools
  - This program was funded by the U.S. Department of Energy in response to COVID-19 concerns. The program helps schools upgrade their HVAC systems and building controls to improve indoor air quality while reducing energy consumption.

The Company helps support the State's school equity initiative, which is focused on ten priority communities: Central Falls, Providence, Pawtucket, Woonsocket, West Warwick, East Providence, North Providence, Cranston, Coventry, and Burrillville. To date, \$20 million has been allocated to these efforts.

### **Commercial ConnectedSolutions**

For the program description, please see the Residential ConnectedSolutions section.

## **Overview of Performance**

In the summer of 2022 (June through September) the number of called events were the following: 6 targeted dispatch, 48 daily dispatch. In 2022, there were 19 and 13 gross MW of capacity commitments in targeted and daily dispatch respectively.

## **Small Business Direct Install Program**

The Company's Small Business Direct Install program provides turnkey services to customers that consume less than 1,000 MWh per year. As part of the program, customers receive a free on-site energy assessment and a customized report detailing recommended energy efficiency actions. The Company then completes retrofit installations at the customer's convenience.

## **Overview of Performance**

In 2022, the Small Business Direct Install program achieved 57,769 net lifetime MWh of electric savings (89.7% of target) and 78,956 net lifetime MMBtu of gas savings (86.1% of target).

## **Highlights**

Over eighty small business received incentives up to 100% for air sealing, insulation, and ventilation in 2022. Below are three examples of completed projects under the program:

### **Brewery Project**

A local microbrewery installed energy-efficient refrigeration thermostat controls on its coolers. This installation enables the coolers to optimize scheduling / setpoints and ensures the evaporator fans cycle as needed rather than running continuously. This project will result in annual savings of 17,000 kWh.

### **Progreso Latino**

In collaboration with Progreso Latino, the program vendor met with local business owners to share information on the Small Business Direct Install program. Follow-ups led to multiple completed jobs. Marketing collateral was created along with dedicated web pages in English and Spanish to remove barriers and ensure comprehension.

### **Office Building in Providence**

An office building that hosts several small businesses installed LED fixtures with integrated controls along with exterior lighting upgrades. This project cost \$109,520 and will result in annual savings of 155,000 kWh.

## **Commercial and Industrial Multifamily**

For the program description, please see the Residential Multifamily section.

## **Overview of Performance**

In 2022, the C&I multifamily program achieved 59,175 net lifetime MMBtu of gas savings (45.1% of target).

# Cross Cutting Programs and Support Services

## Codes and Standards

The Codes and Standards Technical Support initiative (CSTS) provides targeted stakeholder outreach and technical guidance to increase compliance with minimum energy efficiency policies and requirements. The Company has continued to expand its energy code compliance support services to a variety of stakeholder groups.

### Highlights

The Company sponsored 53 Code Compliance Enhancement Initiative (CCEI) training events engaging 915 industry participants in 2022. 45 events focused on residential construction (718 attendees) and 8 events focused on commercial construction (197 attendees).

## Community Based Initiative

The Community Based Initiative is an energy efficiency awareness campaign that drives energy efficiency (EE) program participation by engaging with residents, small businesses, and local officials. Initially, the Company works directly with municipalities to set EE program goals. The municipalities then work to achieve said goals by recruiting volunteers and conducting outreach at local public events. Throughout the initiative, the Company provides numerous services such as monthly progress reports and customized outreach materials. At the end of each year, the municipalities earn grants for achieving certain percentages of the identified EE goals. These grants are then used to fund municipal EE projects and/or community-based educational EE programs.

### Highlights

In 2022, the Company continued its partnership with Quonset Development Corporation (QDC). This year, QDC received the Governor’s Lead by Example Award in the quasi-government agency category for its efforts to engage Quonset Business Park tenants in energy programs. In 2022, the Company and QDC jointly hosted a hybrid workshop at QDC’s headquarters. Approximately 20 customers participated in the event. The Company also attended Ocean State Job lot’s Earth Day fair at its Quonset headquarters.

## Equity

Rhode Island Energy Efficiency Equity Working Group (EWG) Recommendations for 2022		
Actions	Metrics	Status
<b>1. Develop multilingual marketing and outreach materials. Use accessible language to target audiences in each publication.</b>		
1. All Residential and Income Eligible (IE) email and direct mail will more consistently be translated into both English and Spanish.	A Comparison of baseline data against post campaign data.	Completed and Ongoing. All IE direct mail includes Spanish. Moderate Income flyer renter/landlord also in Spanish.



<p>2. Additionally, using lessons learned from the 2020 multi-cultural focused refrigerator recycling outreach campaign, the Company will launch a new, larger multi-cultural energy efficiency education campaign with the goal of increasing energy efficiency awareness and program participation among multi-cultural customers. Beginning with Hispanic customers, the effort will support the entire customer journey using new linguistic and cultural elements for web pages, customer toolkits, call-center support, and third-party partners. If the campaign is successful, it will be expanded beyond Hispanic customers.</p>	<ol style="list-style-type: none"> <li>1. The completion of additional energy efficiency training for the Company's existing Customer Advocates.</li> <li>2. The hire of a new Customer Advocate that will focus on energy efficiency.</li> <li>3. The number of events the new Customer Advocate hosts/attends.</li> <li>4. The number of Customers reached at these events.</li> <li>5. The number of customers that sign up for a home energy assessment or an additional program related action as a direct result of the new Customer Advocate's community-based outreach efforts.</li> </ol>	<p>Scheduled for 2023, 2022 was not a good time to launch the campaign given the sale of the Company.</p>
<p><b>2. Hire multilingual staff and partner with trusted leaders who have the same ethnic background and that frequent popular community gathering places such as community centers and faith-based organizations.</b></p>		
<p>1. Provide additional energy efficiency program training to the Company's existing Customer Advocates so they can more effectively speak to the benefits of the programs.</p>		<p>Completed. At Customer Assistance Expos IES Lead vendor is also in attendance to support efficiency.</p>
<p>2. Hire an additional Customer Advocate that will focus on promoting the energy efficiency programs. The new Customer Advocate will have community organizing experience and will be multi-lingual. The Advocate will deliver energy efficiency program information at community centers, faith-based organizations, multi-family housing, and other community gathering places. The Customer Advocate will leverage the expertise of existing community organizations that serve diverse households. The new hire will</p>		<p>Completed- new hire effective May 2022.</p>

occur by mid-2022, before summer events begin.		
<b>3. Include in messaging that Rhode Island Energy is not code enforcement so residents can feel more comfortable.</b>		
1. Provide vendor call centers with scripts to help answer any customer/landlord inquiries on this subject.	Whether or not a script has been provided to vendor call centers.	Completed
2. Consider adding the language to landlord outreach, as appropriate.		Completed
<b>4. Develop age-appropriate marketing strategies to connect with various age groups that live in a household such as utilizing social media, apps, and text messaging to reach new audiences and help engage customers with their energy usage.</b>		
Social media is one of the Company's primary outreach and communication methods, with advertisements and messages placed on Facebook, Instagram, Twitter, Snapchat, and NextDoor. Because of legal limitations and to ensure emergency communications are seen by customers, text messaging is currently only used to convey outage information.	N/A	Completed
<b>5. Partner with other home visiting programs to expand the reach and impact of Rhode Island Energy's energy efficiency programs.</b>		
By March 2022, establish a working group to explore how to more comprehensively leverage other home visiting programs for energy efficiency outreach and education. The working group will be facilitated by the Company and will include home visiting program representatives. The working group will make related	1. Whether or not a working group is established by March 2022. 2. Whether or not the working group completes recommendations by August 222 for the 2023 Annual Energy Efficiency Plan.	Completed- an outreach subgroup of the EWG has been created for this purpose

recommendations for the 2023 Annual Energy Efficiency Plan.		
<b>6. Allocate a proportion of Energy Efficiency marketing budgets to municipalities for mailing energy efficiency materials; some municipalities use third parties for mailing.</b>		
1. Continue to support municipality efforts to promote energy efficiency through the Community Initiative.	1. The continuation of the Community Initiative.	Completed- working with the city of East Providence this year
2. Test the inclusion of energy efficiency program information in the water/sewer bills of one or more of the 2022 Community Initiative participants.	2. Call volume after the water/sewer bill insert(s).	This year's EWG recommended not to proceed with this activity since many customers receive e-bills and do not read inserts.
<b>7. Provide incentives to community groups that are serving vulnerable populations.</b>		
The Company will expand collateral for more community groups that serve vulnerable populations.	Number of community groups that receive collateral for distribution.	Completed and In Progress
<b>8. Develop a mechanism that allows participation or action to occur immediately after the marketing step.</b>		
Expand follow-up outreach for customers who receive a recommendation from the on-line home energy assessment, in-home/virtual home energy assessment, and/or home energy reports.	Tactics completed to increase follow-up outreach for customers.	Completed for in-home, virtual, and online assessments.
<b>9. Benchmark Energy Efficiency Program participation data for race, geography, socioeconomic status, language, age of home, age of owner, age of renter, heating fuel type, type and age of heating /hot water/cooling systems.</b>		

<p>1. Work with external stakeholders to determine if the data sets and each related report should be refreshed on a regular basis.</p>	<p>1. Completion of the Participant, Nonparticipant, and MF Census studies.  2. Presentation of report results at a public meeting, such as the Energy Efficiency Resource Management Council (EERMC).  3. Creation of a regular, zip code level participation report by Q2 2022 to target outreach for the EnergyWise, MF, and Income Eligible Single-Family programs.  4. Whether or not rental unit participation data continues to be gathered and reported quarterly at the "sector level meetings".</p>	<p>Completed- Participant, Nonparticipant and MF Census studies have been completed and reports have been shared with the EERMC. This data is being used to shape and direct outreach plans and will be used to assist with program design in the future.</p>
<p>2. Using internal data, establish a separate, regular report by Q2 2022 that shows participation for the EnergyWise, Multifamily, and the Income Eligible Single-Family programs at the zip code level. Utilize the report to target outreach.</p>		<p>Using year end spend by zip code as metric.</p>
<p>3. Continue gathering rental unit participation data and reporting on that information quarterly at the "sector level meetings" with the RI Office of Energy Resources, their Consultant Team, and the Division of Public Utilities and Carriers.</p>		<p>Completed</p>
<p><b>10. Track late payments and shut offs.</b></p>		
<p>2022 Commitments and Status</p>	<p><a href="http://www.ripuc.ri.gov/eventsactions/doctype/4770page.html">National Grid currently tracks this information and submits it to the RI PUC. The report can be found at: http://www.ripuc.ri.gov/eventsactions/doctype/4770page.html</a>, under Other Compliance Reports, National Grid's Low-Income Monthly pursuant to Article II, Section C.22.f. of the Amended Settlement Agreement.</p>	<p>N/A</p>
<p><b>11. Align energy efficiency programs with healthcare and partner to achieve healthcare goals, promote further engagement, and sharing health outcome and impact data.</b></p>		

See recommendation 5.	<ol style="list-style-type: none"> <li>Whether or not a working group is established by March 2022.</li> <li>Whether or not the working group completes recommendations by August 222 for the 2023 Annual Energy Efficiency Plan.</li> </ol>	Completed
<b>12. Perform a full review of all HR policies and remove outdated policies that restrict hiring such as background checks.</b>		
The Company believes it has reached the right balance to ensure the safety of customers and their property through its background check and exception process.	N/A	Completed
<b>13. Reduce barriers to professional development, as well as entry into the energy efficiency workforce.</b>		
<p><u><a href="https://ma-eeac.org/wp-content/uploads/Massachusetts-Energy-Efficiency-Workforce-Development-FINAL-REPORT-CAREER-PROFILES.pdf">1. Complete a workforce development needs assessment modeled after, and building on, this report completed in MA: <a href="https://ma-eeac.org/wp-content/uploads/Massachusetts-Energy-Efficiency-Workforce-Development-FINAL-REPORT-CAREER-PROFILES.pdf">https://ma-eeac.org/wp-content/uploads/Massachusetts-Energy-Efficiency-Workforce-Development-FINAL-REPORT-CAREER-PROFILES.pdf</a>. Data from the needs assessment can be used to target future workforce development strategies, with diversity and upskilling of a diverse workforce as major areas of focus.</a></u></p>	<ol style="list-style-type: none"> <li>Completion of a RI workforce development needs assessment by December 2022.</li> <li>Collaboration with the RI Builders Association on two additional trainings in 2022.</li> <li>Completion of recruitment assistance to RI Builders Association and RI DHS, if necessary.</li> </ol>	Will be conducted in 2023.

<p>2. Continue the lead vendor collaboration with the RI Builders Association, and their affiliate Residential Construction Workforce Partnership, to complete at least two additional Energy Efficiency Program related trainings in 2022. RI Builders Association will report participant demographic information to the Company from the September 2021 training. If necessary, the Company will assist in the targeted recruitment of more diverse trainees for 2022. During 2022, the Company and/or its vendors will also collaborate with the RI Dept of Human Services (DHS) on workforce development efforts from U.S. Department of Energy training funds. RI DHS will also report participant demographic information to the Company, so the Company can assist in the targeted recruitment of more diverse trainees, if necessary.</p>		<p>Completed first cohort. 6 hires EE partners with 2 more hires pending. Second cohort is being trained.</p>
<p><b>14. Collaborate with local diverse community organizations to train and certify potential workers (Progreso Latino, Hispanic chamber of commerce, Cape Verdean community development).</b></p>		
<p>See recommendation 13. The new workforce development needs assessment, as well as demographic reporting from the new trainings will help to determine whether new recruitment and upskilling efforts with a focus on diversity are necessary.</p>	<p>N/A</p>	<p>Workforce study will be completed in 2023.</p>

In addition to the equity work and achievements highlighted above, the Company has also been working to better understand the issues and opportunities for equity in energy efficiency and the energy system as whole. The Company is working on commitments made, and also looking and working to lay foundations for future commitments.

Much of the Company’s focus has been on understanding the data available to provide a baseline measurement of current equity performance and determining which data is needed moving forward to create more meaningful equity metrics and ultimately set equity targets and goals. The Company is also looking to align these goals with the Justice 40 Initiative recently launched under the

Biden-Harris administration. With equity as the guiding principle the initiative aims to help disadvantaged communities disproportionately impacted by environmental racism and the effects of climate change. As the state does not currently have a definition of Disadvantaged Communities, the Company is looking to use the Department of Energy’s definition which uses a cumulative burden score calculated using 36 burden indicators. The Company has identified the census tracts in Rhode Island which qualify as disadvantaged and is trying to map this to existing customer data and data from the participant and non-participant studies recently completed. Once this is completed, the Company will use the findings to enhance our equity strategy.

## Demonstrations, Pilots, and Assessments

In 2022, the Company continued or started 15 demonstrations, pilots, or assessments. The Company updated the EERMC and PUC of the progress, findings, and next steps of all demonstrations, pilots, and assessments in the 2022 Quarterly Reports.

Pilot, Demonstration, or Assessment	Objectives	Findings	Next Steps	Spend
New Air Sealing & Insulation - Demonstration - Residential	Demonstrate air sealing opportunity in residential programs. Connect with injection insulation vendor and identify target homes / customers.	Air sealing opportunity exists for residential customers.	Demonstration has been retired. The Company is working with lead weatherization vendors to identify new sites and complete additional installations.	\$792
Solar Inverter DLC - Demonstration - Residential	Demonstrate solar inverter technology. Prepare a report detailing savings associated with solar inverters.	Solar inverter technology demonstrated with mixed results.	EM&V report is being analyzed. Solar Inverter program is staying at demonstration level in 2023.	\$114,921
Final Gas Appliances - Assessment - Residential	Assess opportunities for electric appliances at new homes.	Findings in progress.	Assessment has been finalized.	\$0
Gas HPs - Demonstration - Residential	Monitor and analyze performance / determine cost effectiveness of gas HPs for residential customers.	Cost effectiveness is poor. Observed limited project interest and slow payback period.	Demonstration has been retired. Given reductions in the EM&V budget, funds are no longer available. If market conditions change significantly, funding for additional research may be proposed.	\$331
HVAC Lighting Controls Plus - Demonstration - C&I	Demonstrate HVAC lighting controls plus. Develop M&V plan for demonstration site.	Limited potential for HVAC lighting controls. No other potential customers successfully contacted.	Demonstration completed and retired. No additional potential customers will be contacted.	\$21,697

<b>Pilot, Demonstration, or Assessment</b>	<b>Objectives</b>	<b>Findings</b>	<b>Next Steps</b>	<b>Spend</b>
Kitchen Exhaust - Demonstration - C&I	Demonstrate kitchen exhaust offering.	Lack of available products and customers.	Demonstration retired.	\$607
Building Flexibility Through DR - Assessment - C&I	Conduct interviews and research to determine building flexibility through DR.	Findings in progress.	Assessment procedure complete. Analysis still in progress.	\$0
Refrigeration Leak Survey & Repair - Demonstration - C&I	Monitor refrigerant leakage and energy consumption at participating facility. Install metering at facility.	Findings in progress.	Complete savings and cost effectiveness analysis.	\$7,286
Gas DR - Pilot - C&I	Collect and analyze gas customer data. Conduct gas DR pilot in the winter of 2022-23.	Findings in progress.	Engage with potential gas DR customers. Analyze winter 2022-23 gas DR pilot results.	\$67,165
Gas HPs - Demonstration - C&I	Demonstrate cost-effectiveness of HPs for gas customers. Recruit potential customers.	Limited demand and opportunities for this demonstration. Demonstration not necessary.	Demonstration closed and retired.	\$331
Rightsizing RTUs - Assessment - C&I	Identify strategies for rightsizing RTUs. Implement strategies into program design and implementation.	Findings in progress.	Assessment completed. The Company will incorporate findings into future program offerings.	\$0
Automated RTU Optimization - Demonstration - C&I	Recruit customers and install / monitor equipment. Demonstrate optimized automated RTUs.	Findings in progress.	Continue recruitment of customers and installations. Measure winter performance of RTUs.	\$82,940
SEM/CEI - Demonstration - C&I	Conduct workshops demonstrating energy savings of SEM / CEI projects.	Gas and electric savings produced by demonstrations of SEM / CEI projects.	Demonstration completed and retired. Energy savings are still being fully determined.	\$181,709
Air Curtains - Demonstration - C&I	Review similar air curtains measures in other regions, and develop / demonstrate a RI-specific offering,	RI-specific measure can be developed in conjunction with MA. Findings in progress.	Continue collaboration with MA to develop the program offering and market plan.	\$0
Smart Valves for Chilled Water	Demonstrate smart valves for chilled water systems.	Findings in progress.	Outreach for additional sites has been discontinued. Analysis	\$24,174



Pilot, Demonstration, or Assessment	Objectives	Findings	Next Steps	Spend
Systems - Demonstration - C&I	Recruit customers, monitor installed systems, develop analysis framework, and assess savings / cost-effectiveness.		of savings / cost-effectiveness is being finalized. Market strategy is in progress.	

## Rhode Island Comprehensive Marketing

The Company’s robust, comprehensive marketing campaigns boost awareness, interest, and participation in energy efficiency programming. Specifically, the Company focuses its messaging on affordability, safety, and customer segment specific energy efficiency solutions.

The Company’s communication plan has two main elements: an education campaign and a program-specific campaign. The education campaign highlights pathways for customers to save energy and money with the Company’s portfolio of products. Marketing outreach includes video, bill inserts, email, digital audio ads, radio, OTT/CTV (connected TV), digital ads, and social media (Facebook, Instagram, and Twitter). The program-specific campaign focuses on increasing participation within specific programs. Marketing channels include email, direct mail, radio, out-of-home, and social media.

## Financing

Since 2011, the Company has managed several revolving loan funds that allow customers to finance energy efficiency projects using their monthly energy bills. The funds help relieve pressure on the Energy Efficiency Program charge by reducing incentive budgets. In 2014, the Company began managing a revolving loan fund for state and municipal customers as part of the Rhode Island Public Energy Partnership (RI PEP). RI PEP resources have since been redirected into the Efficient Buildings Fund. In 2015, the Company extended opportunities for gas projects through the large C&I gas revolving loan fund. Please see tables E-6 and G-6 in Attachments 1 and 2 for more details.

### Efficient Buildings Fund (EBF)

Since 2015, the Company, the Rhode Island Office of Energy Resources, and the Rhode Island Infrastructure Bank (RIIB) have leveraged system benefit charge funds to drive energy improvements in facilities across Rhode Island. A \$5 million transfer was made for 2022 (Docket No. 5189).

### Large C&I Revolving Loan Fund

Through the electric large C&I revolving loan fund, the Company offered \$4.07 million through 80 loans in on-bill financing to 68 large commercial customers. At the end of 2022, the fund had a balance of \$8.42 million (including committed 2022 dollars). After accounting for the approved \$2.00 million injection, the electric Large C&I revolving loan fund begins 2023 with a balance of \$5.14 million. This amount will be available for loans in 2023 and beyond.

Through the gas large C&I revolving loan fund, the Company offered \$1.19 million through 43 loans to 27 large commercial customers. At the end of 2022, the fund had a balance of \$0.59 million (including committed 2022 dollars). The gas large C&I revolving loan fund begins 2023 with a balance of \$0.26 million. This amount will be available for loans in 2023 and beyond.

### **Small Business Revolving Loan Fund**

All Small Business Direct Install program participants receive financing to cover 30% of project costs, either over 24 months at 0% interest or a lump sum payment with a 15% discount. Through the small business revolving loan fund, the Company offered \$0.99 million in loans to 555 small business customers. At the end of 2022, the fund had a balance of \$2.49 million.

### **Commercial Property Assessed Clean Energy (C-PACE):**

No C-PACE projects were completed in 2022. Outreach by the Company and the Rhode Island Infrastructure Bank will continue in 2023.

### **Ascentium**

The Company works with Ascentium Capital (a leading specialty financing firm in equipment and technology financing solutions) to offer customers alternative financing options for energy efficiency projects. A simple approval loan process allows customers to use their incentive to buy down interest on loans (typically to 0% depending on the term) for up to \$250,000.

### **HEAT Loan**

The HEAT loan provides qualified residential customers with 0% financing for upfront costs associated with energy efficiency upgrades. The HEAT loan also spreads the upfront costs over multiple years. The EnergyWise, Multifamily, HVAC, and Connected Solutions programs pay the negotiated interest for the customer cost portion of the loan. The Capital Good Fund (the lender of last resort) provides financing to customers with less than perfect credit. There were 865 loans processed in 2022 totaling approximately \$9.1 million in financing towards project costs.

## Evaluation, Measurement and Verification Studies

The Company hires third party consulting firms to regularly conduct program evaluations as part of its measurement and verification process. These evaluations include engineering analysis, metering analysis, billing analysis, site visits, surveys, and market studies to calculate the actual program-delivered energy savings. Final reports and one-page graphical summaries of completed evaluations can be found on the Energy Efficiency Resource Management Council's website.

In 2022, 8 evaluation studies were completed. At the end of 2022, 7 evaluation studies were still in progress. Summaries for the completed studies may be found in Attachment 3.

### Residential Evaluation Studies

- Nonparticipant Market Barriers Study (completed)
- Participation and Multifamily Census Study (completed)
- Solar Inverter Power Factor Correction Demonstration Evaluation Memorandum (completed)
- Residential New Construction and Code Compliance Study (in progress)

### C&I Evaluation Studies

- C&I Lighting Market Characterization Study (completed)
- Impact Evaluation of PY2020 Custom Gas Installations (completed)
- Impact Evaluation of PY2020 Custom Electric Installations (completed)
- Cannabis Industry Standard Practice (ISP) Study (completed)
- Small Business Process Evaluation (in progress)
- Impact Evaluation of PY2021 Custom Gas Installations (in progress)
- Impact Evaluation of PY2021 Custom Electric Installations (in progress)
- C&I New Construction Baseline Study (in progress)
- Automated RTU Optimization Demonstration Evaluation (in progress)

### Cross-Cutting Evaluation Study

- Rhode Island 2021 Energy Efficiency Workforce Analysis (completed)
- Comprehensive Measure Life Review (in progress)

# Indicators of Performance

## Cost Schedules

Attachments 1a and 2a provide an additional level of granularity on the Company's energy efficiency program spending. In addition to Attachments 1a and 2a (which are non-confidential), the Company will file confidential vendor schedules which detail costs to individual vendors and other external entities. These confidential schedules were developed in collaboration with the Division through a Non-Disclosure agreement. The Company is filing these confidential schedules with a motion for protective treatment.

## Performance Metrics

### Lifetime MWh and MMBtu Savings

The Company sets its primary energy savings goals in lifetime units.

### Program Cost per Energy Savings

Program cost per energy savings has been used since 2019. The Company will continue to use this metric to report / evaluate program performance.

### Peak Hour Gas Demand Savings

The Company tracks an estimate of peak-hour gas demand savings based on relationships between annual, peak day, and peak hour gas consumption. The Company acknowledges that this estimate is a rough approximation of peak-hour gas demand impacts. Currently, the National Grid Rhode Island Gas End Use Consumption Study (prepared by Guidehouse, Inc.) is used to update this metric.<sup>1</sup>

### Carbon Reductions

The Company includes a carbon reduction test metric in quarterly reporting. This metric takes sector-level annual electric, gas, oil, and propane savings and converts them to short tons of CO<sub>2</sub> using emissions factors from the 2021 AESC.<sup>2</sup>

## Jobs Impacts

The Company has estimated the number of full-time equivalent (FTE) employees engaged in all aspects of EE programs where the Company provided funding support in 2022. The FTE estimate covers a wide range of EE services, including independent contractors and plumbers, rebate processors, engineers, and The Company's staff and was determined by adjusting FTEs determined from the 2021 study of workforce impacts<sup>3</sup> by the ratio of inflation-adjusted spending in 2022 to 2021.

Based on this analysis, 708 full-time equivalent (FTE) employees had work supported by the Company's investments in energy efficiency programs in 2022, and 980 organizations and agencies were

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<sup>1</sup> "National Grid RI Gas End-Use Consumption Study," June 10, 2021, accessed at <http://rieermc.ri.gov/wp-content/uploads/2021/07/ri-gas-end-use-consumption-study-final-2021-06-18-final.pdf>

<sup>2</sup> Appendix G, Table 171. [https://www.synapse-energy.com/sites/default/files/AESC%202021\\_20-068.pdf](https://www.synapse-energy.com/sites/default/files/AESC%202021_20-068.pdf)

<sup>3</sup> "Rhode Island 2021 Energy Efficiency Workforce Analysis -Final Report," May 31, 2022, accessed at <http://rieermc.ri.gov/wp-content/uploads/2023/05/rhode-island-2021-ee-workforce-analysis-final-report-clean-05-31-22.pdf>

involved in the Company’s 2022 energy efficiency programs, 73% of which were in Rhode Island. A complete list of businesses is included as Attachment 5.

## Shareholder Incentive

The PIM Framework remains unchanged from 2021. Please see PUC Order No. 24225 for more details on the PIM Framework. The design-level performance incentive payouts and maximum service quality adjustments (SQA) were adjusted to reflect planned performance. Please see Table 4C in Attachments 1 and 2 for detailed calculations of 2022 PIM results.

### Performance Incentive Payout

Fuel	Sector	Design-Level Incentive	Received Incentive
Electric	Residential	\$500,000	\$436,932
	Income Eligible	\$500,000	\$0
	C&I	\$3,390,165	\$2,956,895
Gas	Residential	\$500,000	\$0
	Income Eligible	\$500,000	\$0
	C&I	\$1,000,000	\$720,084

### Service Quality Adjustment

Fuel	Sector	Maximum SQA	Received SQA
Electric	Residential	\$938,438	\$0
	Income Eligible	\$443,300	\$443,300
	C&I	N/A	N/A
Gas	Residential	\$290,063	\$49,117
	Income Eligible	\$171,275	\$171,275
	C&I	N/A	N/A

### Total Sector Earnings

Fuel	Sector	Earnings
Electric	Residential	\$436,932
	Income Eligible	-\$443,300
	C&I	\$2,956,895
Gas	Residential	-\$49,117
	Income Eligible	-\$171,275
	C&I	\$720,084



## Attachment 1

### Electric Summary Table of Year-End Results

**Rhode Island Energy Energy-Efficiency Programs  
Table E-1: Summary of 2022 Target and Year End Results**

Sector and Program	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
	Demand Reduction (Annual kW) Pct Achieved			Energy Savings (Annual MWh) Pct Achieved			Customer Participation Approved Target Actual Achieved			Implementation Expenses (\$ 000) Budget Actual Achieved			Energy Savings (Lifetime MWh) Planned Actual Achieved			\$/ Lifetime kWh Planned Actual	
<b>Commercial &amp; Industrial</b>	<b>Target</b>	<b>Actual</b>	<b>76.2%</b>	<b>Target</b>	<b>Actual</b>	<b>105.6%</b>	<b>Target</b>	<b>Actual</b>	<b>120.3%</b>	<b>Budget</b>	<b>Actual</b>	<b>73.8%</b>	<b>Planned</b>	<b>Actual</b>	<b>103.1%</b>	<b>\$</b>	<b>\$</b>
Large Commercial New Construction	1,745	829	47.5%	12,589	7,065	56.1%	96	46	48.1%	\$ 9,246.4	\$ 4,315.4	46.7%	192,343	101,622	52.8%	\$ 0.048	\$0.042
Large Commercial Retrofit	8,490	6,469	76.2%	41,132	43,442	105.6%	2,239	2,693	120.3%	\$ 25,132.4	\$ 18,559.0	73.8%	312,931	322,519	103.1%	\$ 0.080	\$0.058
Small Business Direct Install	904	1,222	135.1%	9,976	7,042	70.6%	490	412	84.1%	\$ 8,969.4	\$ 5,727.7	63.9%	64,394	57,769	89.7%	\$ 0.139	\$0.099
Commercial ConnectedSolutions										\$ 4,386.0	\$ 4,704.9	107.3%					
Commercial Pilots										\$ -	\$ -	0.0%					
Community Based Initiatives - C&I										\$ 85.0	\$ 8.8	10.3%					
Commercial Workforce Development										\$ 157.5	\$ -	0.0%					
Finance Costs										\$ 2,000.0	\$ 2,000.0	100.0%					
<b>SUBTOTAL</b>	<b>11,139</b>	<b>8,520</b>	<b>76.5%</b>	<b>63,696</b>	<b>57,550</b>	<b>90.3%</b>	<b>2,825</b>	<b>3,151</b>	<b>111.5%</b>	<b>\$ 49,976.6</b>	<b>\$ 35,315.8</b>	<b>70.7%</b>	<b>569,668</b>	<b>481,911</b>	<b>84.6%</b>	<b>\$ 0.088</b>	<b>\$0.073</b>
<b>Income Eligible Residential</b>																	
Single Family - Income Eligible Services	480	396	82.6%	3,314	2,388	72.1%	3,583	4,569	127.5%	\$ 13,265.4	\$ 10,208.0	77.0%	38,506	27,991	72.7%	\$ 0.344	\$0.365
Income Eligible Multifamily	49	62	126.7%	1,538	1,419	92.3%	3,600	1,272	35.3%	\$ 3,535.8	\$ 2,572.1	72.7%	24,309	17,288	71.1%	\$ 0.145	\$0.149
<b>SUBTOTAL</b>	<b>529</b>	<b>459</b>	<b>86.8%</b>	<b>4,851</b>	<b>3,807</b>	<b>78.5%</b>	<b>7,183</b>	<b>5,841</b>	<b>81.3%</b>	<b>\$ 16,801.2</b>	<b>\$ 12,780.0</b>	<b>76.1%</b>	<b>62,816</b>	<b>45,279</b>	<b>72.1%</b>	<b>\$ 0.267</b>	<b>\$0.282</b>
<b>Non-Income Eligible Residential</b>																	
Residential New Construction	74	44	58.8%	867	448	51.7%	462	431	93.3%	\$ 1,541.5	\$ 1,102.0	71.5%	14,947	6,859	45.9%	\$ 0.103	\$0.161
ENERGY STAR® HVAC	240	450	187.8%	4,620	6,583	142.5%	5,229	6,044	115.6%	\$ 4,486.9	\$ 4,326.1	96.4%	77,717	114,444	147.3%	\$ 0.058	\$0.038
EnergyWise	424	448	105.6%	2,789	2,652	95.1%	12,000	11,439	95.3%	\$ 15,765.6	\$ 14,357.5	91.1%	13,472	12,683	94.1%	\$ 1.170	\$1.132
EnergyWise Multifamily	143	114	80.1%	1,424	721	50.7%	3,600	2,052	57.0%	\$ 3,270.7	\$ 1,242.1	38.0%	20,783	3,442	16.6%	\$ 0.157	\$0.361
Home Energy Reports	3,692	4,237	114.8%	26,852	30,814	114.8%	323,248	260,322	80.5%	\$ 2,641.3	\$ 2,389.7	90.5%	26,852	30,814	114.8%	\$ 0.098	\$0.078
Residential Consumer Products	1,118	537	48.0%	6,885	2,461	35.7%	34,692	8,677	25.0%	\$ 2,837.1	\$ 1,890.9	66.6%	47,554	17,559	36.9%	\$ 0.060	\$0.108
Residential ConnectedSolutions										\$ 1,802.2	\$ 1,490.0	82.7%					
Energy Efficiency Education Programs										\$ 40.0	\$ 0.0	0.0%					
Residential Pilots										\$ -	\$ -	0.0%					
Community Based Initiatives - Residential										\$ 255.1	\$ 0.0	0.0%					
Comprehensive Marketing - Residential										\$ 357.9	\$ 234.2	65.4%					
<b>SUBTOTAL</b>	<b>5,691</b>	<b>5,830</b>	<b>102.4%</b>	<b>43,435</b>	<b>43,679</b>	<b>100.6%</b>	<b>379,231</b>	<b>288,965</b>	<b>76.2%</b>	<b>\$ 32,998.3</b>	<b>\$ 27,032.6</b>	<b>81.9%</b>	<b>201,325</b>	<b>185,799</b>	<b>92.3%</b>	<b>\$ 0.164</b>	<b>\$0.145</b>
<b>Regulatory</b>																	
OER										\$ 1,911.5	\$ 1,581.4	82.7%					
EERMC										\$ 1,274.4	\$ 406.8	31.9%					
Rhode Island Infrastructure Bank										\$ 3,737.5	\$ 3,735.0	99.9%					
<b>SUBTOTAL</b>										<b>\$ 6,923.4</b>	<b>\$ 5,723.2</b>	<b>82.7%</b>					
<b>TOTAL</b>	<b>17,359</b>	<b>14,808</b>	<b>85.3%</b>	<b>111,983</b>	<b>105,036</b>	<b>93.8%</b>	<b>389,239</b>	<b>297,957</b>	<b>76.5%</b>	<b>\$ 106,699.6</b>	<b>\$ 80,851.6</b>	<b>75.8%</b>	<b>833,808</b>	<b>712,989</b>	<b>85.5%</b>	<b>\$ 0.128</b>	<b>\$0.113</b>

**Notes:**

- (1)(4) Targets from Docket 5189, Attachment 5, Table E-7
- (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)
- (8) 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 5189, Attachment 5 Table E-3
- (11) Year To Date Expenses includes implementation expenses; EERMC expenses reflects \$203,588 refund of unused funds from year-end 2021, per PUC Order 24440, issued July 11, 2022
- (12) Pct Achieved is Column (11) / Column (10)
- (13) Targets from Docket 5189 - Attachment 5, Table E-7
- (15) Pct Achieved is Column (14) / Column (13)
- (16) Planned \$ / lifetime kWh is Column (10) / Column (13)
- (17) Actual \$ / lifetime kWh is Column (11) / Column (14)



Rhode Island Energy Energy-Efficiency Programs  
 Table E-2: Summary of 2022 EE Benefits (\$000)

	Total	Total Total (No Econ)	Summer Generation	Capacity				Reliability	Energy				Electric Energy DRIPE	Utility NEIs	Natural Gas and Natural Gas	Non Electric			Societal				
				Capacity DRIPE	Trans	Dist	Winter		Summer		Oil and Oil DRIPE	Other Resource (Propane, Water)				Non Resource	Carbon	NOx	Economic				
							Peak		Off Peak	Peak										Off Peak			
<b>Non-Income Eligible Residential</b>																							
Residential New Construction	\$3,744	\$2,025	\$52	\$28	\$96	\$95	\$0	\$189	\$232	\$57	\$44	\$156	\$0	\$0	\$137	\$535	\$22	\$389	\$12	\$1,719			
ENERGY STAR® HVAC	\$30,848	\$24,012	\$345	\$298	\$676	\$669	\$4	\$3,477	\$4,499	\$326	\$275	\$2,604	\$0	\$3,092	-\$1	\$0	\$627	\$6,826	\$295	\$6,835			
EnergyWise	\$32,188	\$17,113	\$160	\$155	\$311	\$308	\$2	\$243	\$342	\$188	\$161	\$271	\$0	\$0	\$9,985	\$113	\$647	\$3,921	\$507	\$15,075			
EnergyWise Multifamily	\$3,585	\$1,784	\$36	\$35	\$69	\$69	\$0	\$68	\$76	\$40	\$33	\$69	\$0	\$0	\$282	\$8	\$751	\$231	\$16	\$1,801			
Home Energy Reports	\$8,851	\$6,198	\$237	\$516	\$419	\$415	\$7	\$741	\$610	\$288	\$210	\$735	\$0	\$0	\$0	\$0	\$1,992	\$27	\$2,653				
Residential Consumer Products	\$6,929	\$3,809	\$158	\$348	\$356	\$353	\$4	\$294	\$302	\$221	\$207	\$535	\$0	\$5	\$22	\$0	\$0	\$987	\$14	\$3,120			
<b>Non-Income Eligible Residential SUBTOTAL</b>	<b>\$86,145</b>	<b>\$54,942</b>	<b>\$989</b>	<b>\$1,381</b>	<b>\$1,928</b>	<b>\$1,910</b>	<b>\$18</b>	<b>\$4,993</b>	<b>\$5,960</b>	<b>\$1,121</b>	<b>\$930</b>	<b>\$4,370</b>	<b>\$0</b>	<b>\$3,097</b>	<b>\$10,425</b>	<b>\$656</b>	<b>\$2,047</b>	<b>\$14,247</b>	<b>\$871</b>	<b>\$31,203</b>			
<b>Income Eligible Residential</b>																							
Single Family - Income Eligible Services	\$26,906	\$17,106	\$226	\$216	\$447	\$443	\$3	\$601	\$655	\$320	\$327	\$580	\$185	\$64	\$3,097	\$415	\$7,080	\$2,270	\$179	\$9,800			
Income Eligible Multifamily	\$6,416	\$3,073	\$6	\$10	\$12	\$12	\$0	\$612	\$792	\$5	\$5	\$428	\$32	\$0	\$0	\$426	\$724	\$10	\$3,344				
<b>Income Eligible Residential SUBTOTAL</b>	<b>\$33,322</b>	<b>\$20,179</b>	<b>\$232</b>	<b>\$226</b>	<b>\$459</b>	<b>\$454</b>	<b>\$3</b>	<b>\$1,214</b>	<b>\$1,447</b>	<b>\$326</b>	<b>\$332</b>	<b>\$1,007</b>	<b>\$216</b>	<b>\$64</b>	<b>\$3,097</b>	<b>\$415</b>	<b>\$7,506</b>	<b>\$2,993</b>	<b>\$189</b>	<b>\$13,143</b>			
<b>Commercial &amp; Industrial</b>																							
Large Commercial New Construction	\$30,128	\$18,303	\$600	\$549	\$1,182	\$1,171	\$7	\$2,283	\$1,555	\$1,755	\$1,209	\$2,328	\$0	\$0	\$0	\$1,134	\$4,505	\$67	\$11,824				
Large Commercial Retrofit	\$172,901	\$74,910	\$2,227	\$4,289	\$4,918	\$4,873	\$53	\$7,024	\$4,928	\$5,961	\$3,110	\$10,530	\$0	-\$6	\$0	\$9,445	\$18,228	\$250	\$37,991				
Small Business Direct Install	\$19,284	\$10,521	\$336	\$809	\$771	\$764	\$10	\$1,017	\$594	\$722	\$371	\$1,503	\$0	-\$1	\$0	\$0	\$1,001	\$2,589	\$35	\$8,763			
<b>Commercial &amp; Industrial SUBTOTAL</b>	<b>\$222,313</b>	<b>\$103,734</b>	<b>\$3,163</b>	<b>\$5,626</b>	<b>\$6,871</b>	<b>\$6,808</b>	<b>\$70</b>	<b>\$10,284</b>	<b>\$7,076</b>	<b>\$7,538</b>	<b>\$4,690</b>	<b>\$14,362</b>	<b>\$0</b>	<b>-\$7</b>	<b>\$0</b>	<b>\$11,579</b>	<b>\$25,322</b>	<b>\$352</b>	<b>\$118,579</b>				
<b>Grand Total</b>	<b>\$341,780</b>	<b>\$178,854</b>	<b>\$4,384</b>	<b>\$7,233</b>	<b>\$9,257</b>	<b>\$9,172</b>	<b>\$92</b>	<b>\$16,490</b>	<b>\$14,483</b>	<b>\$8,984</b>	<b>\$5,952</b>	<b>\$19,739</b>	<b>\$216</b>	<b>\$3,153</b>	<b>\$13,522</b>	<b>\$1,071</b>	<b>\$21,131</b>	<b>\$42,562</b>	<b>\$1,412</b>	<b>\$162,926</b>			

**Rhode Island Energy Energy-Efficiency Programs**  
**Table E-2A: Summary of 2022 EE Impacts**

	kW Saved		MWh Saved		MMBtu of Gas		MMBtu of Oil		MMBtu of Propane	
	Summer	Winter	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime
<b>Non-Income Eligible Residential</b>										
Residential New Construction	44	31	448	6,859	-	-	219	5,471	546	13,643
ENERGY STAR HVAC	450	1,539	6,583	114,444	23,201	348,015	(4)	(48)	(1)	(7)
Energy Wise	448	528	2,652	12,683	-	-	20,639	404,826	55	649
EnergyWise Multifamily	114	127	721	3,442	-	-	544	11,396	-	-
Home Energy Reports	4,237	6,548	30,814	30,814	-	-	-	-	-	-
Residential Consumer Products	537	198	2,461	17,559	30	608	44	882	-	-
<b>Non-Income Eligible Residential SUBTOTAL</b>	<b>5,830</b>	<b>8,970</b>	<b>43,679</b>	<b>185,799</b>	<b>23,231</b>	<b>348,623</b>	<b>21,442</b>	<b>422,527</b>	<b>600</b>	<b>14,285</b>
<b>Income Eligible Residential</b>										
Single Family - Income Eligible Services	396	361	2,388	27,991	1,028	9,803	6,687	125,786	20	287
Income Eligible Multifamily	62	312	1,419	17,288	-	-	-	-	-	-
<b>Income Eligible Residential SUBTOTAL</b>	<b>459</b>	<b>673</b>	<b>3,807</b>	<b>45,279</b>	<b>1,028</b>	<b>9,803</b>	<b>6,687</b>	<b>125,786</b>	<b>20</b>	<b>287</b>
<b>Commercial &amp; Industrial</b>										
Large Commercial New Construction	829	681	7,065	101,622	(0)	(1)	-	-	-	-
Large Commercial Retrofit	6,469	5,753	43,442	322,519	(102)	(705)	-	-	-	-
Small Business Direct Install	1,222	1,115	7,042	57,769	(24)	(142)	-	-	-	-
<b>Commercial &amp; Industrial SUBTOTAL</b>	<b>8,520</b>	<b>7,549</b>	<b>57,550</b>	<b>481,911</b>	<b>(125)</b>	<b>(848)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Grand Total</b>	<b>14,808</b>	<b>17,192</b>	<b>105,036</b>	<b>712,989</b>	<b>24,134</b>	<b>357,577</b>	<b>28,129</b>	<b>548,313</b>	<b>620</b>	<b>14,572</b>

**Rhode Island Energy Energy-Efficiency Programs  
Table E-2B: Summary of 2022 ADM Benefits (\$000)**

	Total	Total (No Econ)	Capacity					Energy			Non Electric	Societal		Load Reduction (MW)	MWh Saved		
			Summer Generation	Capacity DRIPE	Trans	Dist	Reliability	Summer		Electric Energy DRIPE		Carbon	Economic	Summer	Annual	Lifetime	
								Peak	Off Peak								
<b>Non-Income Eligible Residential</b>																	
Residential ConnectedSolutions	\$3,516	\$2,279	\$183	\$753	\$522	\$517	\$153	\$15	\$18	\$6	\$0	\$112	\$1,237	5.3	1.9	1.9	
<b>Non-Income Eligible Residential SUBTOTAL</b>	<b>\$3,516</b>	<b>\$2,279</b>	<b>\$183</b>	<b>\$753</b>	<b>\$522</b>	<b>\$517</b>	<b>\$153</b>	<b>\$15</b>	<b>\$18</b>	<b>\$6</b>	<b>\$0</b>	<b>\$112</b>	<b>\$1,237</b>	<b>5.3</b>	<b>1.9</b>	<b>1.9</b>	
<b>Commercial &amp; Industrial</b>																	
Commercial ConnectedSolutions	\$17,459	\$7,156	\$434	\$1,783	\$2,162	\$2,142	\$634	\$0	\$0	\$0	\$0	\$0	\$10,304	21.8	0.0	0.0	
<b>Commercial &amp; Industrial SUBTOTAL</b>	<b>\$17,459</b>	<b>\$7,156</b>	<b>\$434</b>	<b>\$1,783</b>	<b>\$2,162</b>	<b>\$2,142</b>	<b>\$634</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,304</b>	<b>21.8</b>	<b>0.0</b>	<b>0.0</b>	
<b>Grand Total</b>	<b>\$20,975</b>	<b>\$9,435</b>	<b>\$618</b>	<b>\$2,537</b>	<b>\$2,683</b>	<b>\$2,659</b>	<b>\$787</b>	<b>\$15</b>	<b>\$18</b>	<b>\$6</b>	<b>\$0</b>	<b>\$112</b>	<b>\$11,541</b>	<b>27.1</b>	<b>1.9</b>	<b>1.9</b>	

**Rhode Island Energy Energy-Efficiency Programs**  
**Table E-3: Summary of B/C Ratios, Value and Costs (\$000's)**  
**2022 Program Year**

	(1) Benefit/ Cost	(2) Total Value	(3) Program Implementation Expenses	(4) Customer Contribution	(5) Shareholder Incentive
<b>Commercial &amp; Industrial</b>					
Large Commercial New Construction	4.04	\$18,303.4	\$4,315.4	\$217.8	
Large Commercial Retrofit	3.14	\$74,909.9	\$18,559.0	\$5,307.4	
Small Business Direct Install	1.49	\$10,520.7	\$5,727.7	\$1,344.0	
Commercial ConnectedSolutions	1.52	\$7,155.5	\$4,704.9		
Commercial Pilots			\$0.0		
Community Based Initiatives - C&I			\$8.8		
Finance Costs			\$2,000.0		
<b>SUBTOTAL</b>	<b>2.46</b>	<b>\$110,889.4</b>	<b>\$35,315.8</b>	<b>\$6,869.2</b>	<b>\$2,956.9</b>
<b>Income Eligible Residential</b>					
Single Family - Income Eligible Services	1.68	\$17,105.9	\$10,208.0	\$0.0	
Income Eligible Multifamily	1.19	\$3,072.8	\$2,572.1	\$0.0	
<b>SUBTOTAL</b>	<b>1.64</b>	<b>\$20,178.7</b>	<b>\$12,780.0</b>	<b>\$0.0</b>	<b>-\$443.3</b>
<b>Non-Income Eligible Residential</b>					
Residential New Construction	1.19	\$2,025.2	\$1,102.0	\$596.5	
ENERGY STAR® HVAC	3.54	\$24,012.4	\$4,326.1	\$2,449.9	
EnergyWise	1.12	\$17,113.1	\$14,357.5	\$937.7	
EnergyWise Multifamily	1.44	\$1,783.9	\$1,242.1	\$0.0	
Home Energy Reports	2.59	\$6,198.3	\$2,389.7	\$0.0	
Residential Consumer Products	1.92	\$3,808.7	\$1,890.9	\$95.0	
Residential ConnectedSolutions	1.53	\$2,279.2	\$1,490.0		
Energy Efficiency Education Programs			\$0.0		
Residential Pilots			\$0.0		
Community Based Initiatives - Residential			\$0.0		
Comprehensive Marketing - Residential			\$234.2		
<b>SUBTOTAL</b>	<b>1.81</b>	<b>\$57,220.7</b>	<b>\$27,032.6</b>	<b>\$4,079.1</b>	<b>\$436.9</b>
<b>Regulatory</b>					
OER			\$1,581.4		
EERMC			\$406.8		
Rhode Island Infrastructure Bank			\$3,735.0		
<b>SUBTOTAL</b>			<b>\$5,723.2</b>		
<b>TOTAL</b>	<b>1.99</b>	<b>\$188,288.9</b>	<b>\$80,851.6</b>	<b>\$10,948.3</b>	<b>\$2,950.5</b>

**Notes:**

(1) RI Test B/C Ratio = (Capacity + Energy + Utility NEIs + Non Electric + Societal) / (Program Implementation + Customer Contribution + Shareholder Incentive)

(2) Year-End Value Total from Table E-2

(3) Year-end implementation expenses by program from Table E-1 including finance costs

(4) For the Income Eligible Multifamily program, there are some circumstances where a customer co-pay is charged. If the facility is owned by a for-profit company and there are custom measures being installed that cannot be supported by the program budget a co-pay will be negotiated with the customer.

(5) The shareholder incentive column includes PIM payouts and assessed SQA from Table 4c.

Rhode Island Energy Energy-Efficiency Programs  
 Table 4A: Actual Electric PIM Benefits, Allocations, and Categorization  
 2022 Program Year

Sector	Capacity					Energy					Utility NEIs	Non Electric				Societal		
	Summer Generation	Capacity DRIPE	Trans	Dist	Reliability	Winter		Summer		Electric Energy DRIPE		Natural Gas and Natural	Oil and Oil DRIPE	Other Resource (Propane, Water)	Non Resource	Carbon	NOx	Economic
						Peak	Off Peak	Peak	Off Peak									
Non-Income Eligible Residential	\$988,539	\$1,381,081	\$1,927,630	\$1,909,857	\$18,203	\$4,992,895	\$5,959,916	\$1,120,723	\$930,068	\$4,370,267	\$0	\$3,096,973	\$10,424,933	\$655,869	\$2,046,683	\$14,246,852	\$871,034	\$31,203,478
Income Eligible Residential	\$232,263	\$225,885	\$458,602	\$454,374	\$2,857	\$1,213,920	\$1,446,929	\$325,579	\$331,660	\$1,007,139	\$216,196	\$63,518	\$3,096,734	\$415,420	\$7,505,700	\$2,993,326	\$188,621	\$13,143,339
Commercial & Industrial	\$3,162,911	\$5,626,073	\$6,871,204	\$6,807,853	\$70,463	\$10,283,616	\$7,076,386	\$7,537,745	\$4,689,826	\$14,362,016	\$0	-\$7,049	\$0	\$0	\$11,579,066	\$25,321,949	\$351,870	\$118,579,001
Included in PIM? (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N
Percent Application in PIM	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	50%	50%	0%	0%	0%	0%
Category	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Electric Utility System Benefits	Resource Benefits	Resource Benefits	Resource Benefits	NA	NA	NA	NA

**Rhode Island Energy Energy-Efficiency Programs**  
**Table 4B: Actual Electric PIM Costs**  
**2022 Program Year**

<b>Sector</b>	<b>Eligible Spending Budget</b>	<b>Regulatory Costs</b>
<b>Non-Income Eligible Residential</b>	\$27,032,620	\$1,907,718
<b>Income Eligible Residential</b>	\$12,780,033	\$1,907,718
<b>Commercial &amp; Industrial</b>	\$35,315,835	\$1,907,718
<b>Included in PIM? (Y/N)</b>	Y	Y
<b>Percent Application in PIM</b>	100%	100%

**Rhode Island Energy Energy-Efficiency Programs**  
**Table 4C: PIM and SQA Summary**  
**2022 Program Year**

Sector	Inputs (\$)							
	Electric Utility System Benefits	Resource Benefits	Achieved Total Benefits	Achieved Costs	Achieved Net Benefits	Planned Total Benefits	Planned Total Costs	Planned Net Benefits
Non-Income Eligible Residential	\$23,599,179	\$7,088,888	\$30,688,066	\$28,940,338	\$1,747,728	\$32,168,042	\$33,025,083	-\$857,042
Income Eligible Residential	\$5,915,401	\$1,787,836	\$7,703,238	\$14,687,752	-\$6,984,514	\$11,447,904	\$18,829,414	-\$7,381,509
Commercial & Industrial	\$66,488,094	-\$3,525	\$66,484,570	\$37,223,553	\$29,261,016	\$80,703,137	\$47,154,536	\$33,548,601

Sector	PIM (\$)						
	Design Performance Achievement	Achieved Net Benefits / Design Performance Achievement	Achieved / Planned Costs	Planned Performance Incentive	Payout Rate	Payout Cap	Earned Performance Incentive
Non-Income Eligible Residential	\$2,000,000	87.39%	87.63%	\$500,000	25.00%	\$625,000	\$436,932
Income Eligible Residential	\$2,000,000	-349.23%	78.00%	\$500,000	25.00%	\$625,000	\$0
Commercial & Industrial	\$33,548,601	87.22%	78.94%	\$3,390,165	10.11%	\$4,237,706	\$2,956,895

Sector	SQA (\$)				
	Design Service Achievement	Service Achievement	Maximum Service Adjustment	Service Quality Adjustment Amount	% of Maximum Service Quality Adjustment Applied
Non-Income Eligible Residential	\$32,168,042	95.40%	\$938,438	\$0	0.00%
Income Eligible Residential	\$11,447,904	67.29%	\$443,300	\$443,300	100.00%
Commercial & Industrial	\$80,703,137	82.38%	N/A	N/A	N/A

**Rhode Island Energy Energy-Efficiency Programs**  
**Table 5: Overall Analysis of Energy Efficiency Fund Balance**

	<b>JANUARY</b>	<b>FEBRUARY</b>	<b>MARCH</b>	<b>APRIL</b>	<b>MAY</b>	<b>JUNE</b>	<b>TOTAL</b>
1. Start Of Period Balance	\$20,359,192	\$28,588,999	\$31,378,527	\$33,597,869	\$37,370,782	\$38,936,584	\$20,359,192
2. Revenue	\$8,154,726	\$5,855,765	\$8,422,680	\$9,025,633	\$8,354,970	\$7,680,925	\$47,494,699
3. Monthly EE Expenses	(\$56,936)	\$3,088,467	\$6,242,572	\$5,295,570	\$6,835,243	\$3,203,606	\$24,608,521
4. Cash Flow Over/(Under)	\$8,211,662	\$2,767,298	\$2,180,109	\$3,730,063	\$1,519,727	\$4,477,318	\$22,886,178
5. End Of Period Balance Before Interest	\$28,570,854	\$31,356,297	\$33,558,636	\$37,327,931	\$38,890,510	\$43,413,903	\$43,245,370
6. Interest	\$18,145	\$22,230	\$39,233	\$42,851	\$46,075	\$49,753	\$218,286
7. End Of Period Balance After Interest	\$28,588,999	\$31,378,527	\$33,597,869	\$37,370,782	\$38,936,584	\$43,463,656	\$43,463,656
	<b>JULY</b>	<b>AUGUST</b>	<b>SEPTEMBER</b>	<b>OCTOBER</b>	<b>NOVEMBER</b>	<b>DECEMBER</b>	<b>YEAR END TOTAL</b>
8. Start Of Period Balance	\$43,463,656	\$49,793,674	\$55,734,872	\$58,299,264	\$60,447,946	\$62,836,939	\$20,359,192
9. Revenue 19	\$10,341,727	\$10,686,091	\$8,268,807	\$7,473,819	\$7,734,333	\$8,373,807	\$100,373,283
10. Monthly EE Expenses	\$4,068,018	\$4,808,612	\$5,773,268	\$5,396,837	\$5,419,780	\$29,688,264	\$79,763,299
11. Cash Flow Over/(Under)	\$6,273,709	\$5,877,479	\$2,495,539	\$2,076,982	\$2,314,553	(\$21,314,456)	\$20,609,984
12. End Of Period Balance Before Interest	\$49,737,365	\$55,671,153	\$58,230,410	\$60,376,246	\$62,762,499	\$41,522,483	\$40,969,175
13. Interest	\$56,309	\$63,718	\$68,854	\$71,700	\$74,440	\$63,050	\$616,358
14. End Of Period Balance After Interest	\$49,793,674	\$55,734,872	\$58,299,264	\$60,447,946	\$62,836,939	\$41,585,533	\$41,585,533
15. 2022 Incentive							\$1,638,356
16. Ending Balance after Incentive							\$39,947,178
17. Income Eligible Subsidization							\$0
18. Ending Balance after Subsidization							\$39,947,178

**Notes:**

1. Previous year's ending balance
2. Business Objects queries for revenues
3. SAP queries for expenses
4. Line 2 minus Line 3
5. Line 1 plus Line 4
6. Interest applied
7. Line 5 plus Line 6
8. Previous month's ending balance
9. Business Objects queries for revenues
10. SAP queries for expenses
11. Line 9 minus Line 10
12. Line 8 plus Line 11
13. Interest applied
14. Line 12 plus Line 13
15. Estimated 2022 Incentive plus prior period true-ups



**Rhode Island Energy Energy-Efficiency Programs**  
**Table 6: 2022 Revolving Loan Funds**

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

**Small Business Electric Revolving Loan Fund**

<u>Income Statement</u>	
(1) 2022 Funds Available	\$5,202,855
(2) 2022 Loan budget	\$12,000,000
(3) Committed	\$3,282,694
(4) Paid	\$4,071,757
(5) Repayments	\$7,288,293
(6) Available 12/31/22	<u>\$5,136,697</u>
(7) Outstanding loan volume	\$14,086,173
(8) Loan defaults during period (\$)	\$0
(9) Arrears over 120 days at period end (\$)	\$88,147
<u>Program Impact</u>	
(10) Number of loans	80
(10b) Participants	68
(11) Annual Savings (Gross MWh)	8,009
(12) Annual Savings (Net MWh)	6,333
(13) Lifetime Savings (Gross MWh)	61,206
(14) Lifetime Savings (Net MWh)	46,869
(15) Annual Savings (Gross kW)	1,430
(16) Annual Saving (Net kW)	727
(17) Total associated incentive volume (\$)	\$2,422,085
(18) Total annual estimated energy cost savings (\$)	\$869,507

<u>Income Statement</u>	
(1) 2022 Funds Available	\$2,726,897
(2) 2022 Loan budget	\$1,500,000
(3) Committed	\$155,697
(4) Paid	\$989,306
(5) Repayments	\$913,083
(6) Available 12/31/22	<u>\$2,494,977</u>
(7) Outstanding loan volume	\$576,673
(8) Loan defaults during period (\$)	\$0
(9) Arrears over 120 days at period end (\$)	\$13,258
<u>Program Impact</u>	
(10b) Participants	555
(11) Annual Savings (Gross MWh)	7,686
(12) Annual Savings (Net MWh)	6,944
(13) Lifetime Savings (Gross MWh)	62,162
(14) Lifetime Savings (Net MWh)	57,025
(15) Annual Savings (Gross kW)	1,490
(16) Annual Saving (Net kW)	1,213
(17) Total associated incentive volume (\$)	\$5,138,415
(18) Total annual estimated energy cost savings (\$)	\$1,229,017

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

<u>Income Statement</u>	
(1) 2022 Funds Available	\$46,895
(2) 2022 Loan budget	\$0
(3) Committed	\$0
(4) Paid	\$0
(4a) Funds Returned to OER	\$0
(5) Repayments	\$7,267
(6) Available 12/31/22	<u>\$54,162</u>
(7) Outstanding loan volume	\$0
(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, 2022. Includes line (6) "Available 12/31/21" plus line (3) "Committed" in Table E-6 and G-6 of the 2021 Year End
- 2 Budget adopted by Sales Team for 2022 operations. Budget includes projections of repayments made during 2021.
- 3 As of December 31, 2022
- 4 As of December 31, 2022. This includes all projects paid through December 31, 2022 and the OBR associated with those projects. OBR payment are
- 4a Funds returned to RI OER.
- 5 As of December 31, 2022
- 6 Fund balance as of December 31, 2022. 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 December 31, 2022.
- 10 As of December 31, 2022
- 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
- 11 As of December 31, 2022
- 12 As of December 31, 2022
- 13 As of December 31, 2022
- 14 As of December 31, 2022
- 15 As of December 31, 2022
- 16 As of December 31, 2022
- 17 Incentives paid out with loans.
- 18 Estimated energy cost savings to loan fund participants.

**Rhode Island Energy Energy-Efficiency Programs**  
**Table 7: 2022 Heat Loans**

	<b>Single Family EnergyWise</b>	<b>Multifamily</b>	<b>HVAC</b>	<b>Batteries</b>
(1) Number of loans	725	10	54	76
(2) Loan amount	\$6,889,243	\$119,123	\$676,340	\$1,462,044
(3) Measures				
<i>Pre-Weatherization</i>	26			
<i>Weatherization</i>	387			
<i>Heatsystems</i>	409			
<i>DHW</i>	22			
(4) Percentage of weatherization in loans	53%			

**Notes**

- 1 Equals the number of participants. As of December 31, 2022
- 2 Total amount of loans dispersed in 2022.
- 3 Measures financed through loans.
- 4 Percentage of Heat Loan recipients using their loan for weatherization.



Attachment 1a  
Electric Costs Schedules

**Schedule 1 - Program and Sector Cost Summary**  
**DIRECT vs ALLOCATED**

	(a)		(b)		(c)		(d)		(e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (o) (p)									
	TOTALS				DETAILS													
	TOTAL SPLIT 1		TOTAL SPLIT 2		DIRECT COSTS			ALLOCATED COSTS			DIRECT COSTS			ALLOCATED COSTS				
	DIRECT vs ALLOCATED		Cost of services and product rebates/incentives provided to customers vs. Other Costs <sup>(1)</sup>		NO INCENTIVE <sup>(2)</sup>			Cost of services and product rebates/incentives provided to customers			Other Costs			Cost of services and product rebates/incentives provided to customers				
	Total Costs	DIRECT	ALLOCATED	Cost of services and product rebates/incentives provided to customers	Other Costs	Rhode Island Energy Direct Labor & Employee Expense	Direct External	Direct "Not Labor, Expense, External"	Rhode Island Energy Direct Labor & Employee Expense	Direct External	Direct "Not Labor, Expense, External"	Rhode Island Energy Allocated Labor & Employee Expense	Allocated External	Allocated "Not Labor, Expense, External"	Rhode Island Energy Allocated Labor & Employee Expense	Allocated External	Allocated "Not Labor, Expense, Vendor"	
1 Residential New Construction (Electric)	\$1,101,977	\$955,693	\$146,285	\$513,828	\$588,149	\$21,903	\$419,961	\$0	\$0	\$513,828	\$0	\$39,128	\$107,157	\$0	\$0	\$0	\$0	
2 ENERGY STAR HVAC (Electric)	\$4,326,145	\$4,184,729	\$141,416	\$3,111,662	\$1,214,483	\$70,700	\$1,002,366	\$0	\$0	\$3,111,662	\$0	\$45,302	\$96,114	\$0	\$0	\$0	\$0	
3 EnergyWise (Electric)	\$14,357,505	\$13,854,844	\$502,661	\$11,719,419	\$2,638,086	\$30,724	\$2,104,700	\$0	\$0	\$11,719,419	\$0	\$174,177	\$328,484	\$0	\$0	\$0	\$0	
4 EnergyWise Multi Family (Electric)	\$1,242,141	\$1,116,181	\$125,961	\$722,440	\$519,702	\$17,582	\$376,159	\$0	\$0	\$722,440	\$0	\$44,005	\$81,956	\$0	\$0	\$0	\$0	
5 Home Energy Reports (Electric)	\$2,389,622	\$2,312,743	\$76,879	\$75,586	\$2,465,259	\$552	\$2,387,778	\$0	\$0	\$75,586	\$0	\$32,687	\$44,242	\$0	\$0	\$0	\$0	
6 ENERGY STAR Lighting (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
7 Residential Consumer Products (Electric)	\$1,890,947	\$1,780,434	\$110,513	\$631,977	\$1,258,970	\$38,071	\$1,110,386	\$0	\$0	\$631,977	\$0	\$37,236	\$73,277	\$0	\$0	\$0	\$0	
8 Residential ConnectedSolutions (Electric)	\$1,489,991	\$1,433,389	\$56,602	\$1,184,654	\$305,337	\$16,060	\$232,675	\$0	\$0	\$1,184,654	\$0	\$17,915	\$38,687	\$0	\$0	\$0	\$0	
9 Energy Efficiency Education Programs (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
10 Residential Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
11 Community Based Initiatives - Residential (Electric)	\$15	\$15	\$0	\$0	\$15	\$15	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
12 Comprehensive Marketing Residential (Electric)	\$234,225	\$227,560	\$6,665	\$0	\$234,225	\$0	\$227,560	\$0	\$0	\$0	\$0	\$720	\$5,946	\$0	\$0	\$0	\$0	
13 Subtotal Non-income Eligible Residential	\$27,032,620	\$25,865,588	\$1,167,032	\$17,808,394	\$9,224,227	\$195,610	\$7,861,585	\$0	\$0	\$17,808,394	\$0	\$391,169	\$775,863	\$0	\$0	\$0	\$0	
14 Single Family - Income Eligible Services (Electric)	\$10,207,953	\$9,799,655	\$408,299	\$8,055,317	\$2,152,636	\$11,771	\$1,732,567	\$0	\$0	\$8,055,317	\$0	\$149,648	\$258,651	\$0	\$0	\$0	\$0	
15 Income Eligible Multifamily (Electric)	\$2,572,080	\$2,432,689	\$139,391	\$2,067,818	\$504,262	\$15,428	\$349,442	\$0	\$0	\$2,067,818	\$0	\$49,320	\$90,071	\$0	\$0	\$0	\$0	
16 Subtotal Income Eligible Residential	\$12,780,033	\$12,232,343	\$547,690	\$10,123,135	\$2,656,898	\$27,199	\$2,082,009	\$0	\$0	\$10,123,135	\$0	\$198,968	\$348,722	\$0	\$0	\$0	\$0	
17 Large Commercial New Construction (Electric)	\$4,315,435	\$3,784,148	\$531,288	\$2,269,625	\$2,045,810	\$54,637	\$1,459,886	\$0	\$0	\$2,269,625	\$0	\$396,993	\$134,295	\$0	\$0	\$0	\$0	
18 Large Commercial Retrofit (Electric)	\$18,558,963	\$16,966,365	\$1,592,597	\$13,671,309	\$4,887,654	\$290,511	\$3,004,546	\$0	\$0	\$13,671,309	\$0	\$1,155,170	\$437,427	\$0	\$0	\$0	\$0	
19 Small Business Direct Install (Electric)	\$5,727,703	\$5,410,694	\$317,009	\$5,190,772	\$536,931	\$57,812	\$162,110	\$0	\$0	\$5,190,772	\$0	\$172,903	\$144,106	\$0	\$0	\$0	\$0	
20 Commercial ConnectedSolutions (Electric)	\$4,704,944	\$4,564,007	\$140,937	\$4,462,796	\$242,148	\$23,145	\$78,066	\$0	\$0	\$4,462,796	\$0	\$79,242	\$61,695	\$0	\$0	\$0	\$0	
21 Commercial Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
22 Community Based Initiatives - C&I (Electric)	\$8,790	\$8,790	\$0	\$0	\$8,790	\$8,761	\$29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
23 Finance Costs (Electric)	\$5,735,000	\$5,735,000	\$0	\$3,735,000	\$2,000,000	\$0	\$2,000,000	\$0	\$0	\$3,735,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
24 Subtotal Commercial & Industrial	\$39,050,835	\$36,469,005	\$2,581,830	\$29,329,502	\$9,721,333	\$434,866	\$6,704,636	\$0	\$0	\$29,329,502	\$0	\$1,804,207	\$777,523	\$0	\$0	\$0	\$0	
25 OER (Electric)	\$1,581,381	\$1,581,381	\$0	\$0	\$1,581,381	\$0	\$1,581,381	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
26 EERMC (Electric) <sup>(3)</sup>	\$406,775	\$406,775	\$0	\$0	\$406,775	\$0	\$406,775	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
27 Subtotal Regulatory	\$1,988,155	\$1,988,155	\$0	\$0	\$1,988,155	\$0	\$1,988,155	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
28 TOTAL All Sectors	\$80,851,644	\$76,555,091	\$4,296,553	\$57,261,030	\$23,590,613	\$657,675	\$18,636,385	\$0	\$0	\$57,261,030	\$0	\$2,394,445	\$1,902,108	\$0	\$0	\$0	\$0	
SRP PROGRAMS (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
OTHER COSTS NOT LISTED ABOVE (Electric)	\$911,776	\$911,776	\$0	\$911,776	\$0	\$0	\$0	\$0	\$0	\$911,776	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

(1) In the 2020 Energy Efficiency Annual Plan filing, this cost category was referred to as "Rebates and Other Incentives"  
(2) These Costs do not include costs relating to the cost of services and product rebates/incentives provided to customers  
(3) These costs include a \$203,587.65 credit due to a refund from EERMC of past unspent funds.

**Schedule 1a - Program and Sector Cost Summary**

**By Report Category**

		(d) (Schedule 4) col a	(e) (Schedule 5) col a	(f) (Schedule 6) col a	(g) (Schedule 7) col a	(h) (Schedule 8) col a	
		Total Costs	Program Planning & Admin.	Marketing	Cost of services and product rebates/incentives provided to customers (1)	STAT	Evaluation & Research
1	Residential New Construction (Electric)	\$1,101,977	\$116,452	\$506	\$513,828	\$227,374	\$243,817
2	ENERGY STAR HVAC (Electric)	\$4,326,145	\$149,198	\$288,219	\$3,111,662	\$727,612	\$49,454
3	EnergyWise (Electric)	\$14,357,505	\$477,458	\$210,364	\$11,719,419	\$1,816,943	\$133,321
4	EnergyWise Multi Family (Electric)	\$1,242,141	\$138,620	\$204,113	\$722,440	\$156,905	\$20,064
5	Home Energy Reports (Electric)	\$2,389,672	\$61,648	\$281	-\$75,586	\$2,398,741	\$4,588
6	ENERGY STAR Lighting (Electric)	\$0	-\$25	\$0	\$0	\$8	\$17
7	Residential Consumer Products (Electric)	\$1,890,947	\$106,496	\$440,521	\$631,977	\$692,299	\$19,654
8	Residential ConnectedSolutions (Electric)	\$1,489,991	\$72,719	\$243	\$1,184,654	\$201,798	\$30,578
9	Energy Efficiency Education Programs (Electric)	\$0	\$0	\$0	\$0	\$0	\$0
10	Residential Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0
11	Community Based Initiatives - Residential (Electric)	\$15	\$15	\$0	\$0	\$0	\$0
12	Comprehensive Marketing Residential (Electric)	\$234,225	\$1,374	\$232,851	\$0	\$0	\$0
13	<b>Subtotal Non-Income Eligible Residential</b>	<b>\$27,032,620</b>	<b>\$1,123,954</b>	<b>\$1,377,099</b>	<b>\$17,808,394</b>	<b>\$6,221,679</b>	<b>\$501,495</b>
14	Single Family - Income Eligible Services (Electric)	\$10,207,953	\$390,521	\$162,138	\$8,055,317	\$1,526,860	\$73,117
15	Income Eligible Multifamily (Electric)	\$2,572,080	\$151,466	\$4,255	\$2,067,818	\$314,886	\$33,656
16	<b>Subtotal Income Eligible Residential</b>	<b>\$12,780,033</b>	<b>\$541,987</b>	<b>\$166,393</b>	<b>\$10,123,135</b>	<b>\$1,841,746</b>	<b>\$106,773</b>
17	Large Commercial New Construction (Electric)	\$4,315,435	\$216,903	\$200,471	\$2,269,625	\$1,442,006	\$186,430
18	Large Commercial Retrofit (Electric)	\$18,558,963	\$781,958	\$168,339	\$13,671,309	\$3,511,758	\$425,600
19	Small Business Direct Install (Electric)	\$5,727,703	\$242,908	\$127,119	\$5,190,772	\$121,234	\$45,670
20	Commercial ConnectedSolutions (Electric)	\$4,704,944	\$151,319	\$0	\$4,462,796	\$90,828	\$0
21	Commercial Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0
22	Community Based Initiatives - C&I (Electric)	\$8,790	\$0	\$0	\$0	\$8,790	\$0
23	Finance Costs (Electric)	\$5,735,000	\$2,000,000	\$0	\$3,735,000	\$0	\$0
24	<b>Subtotal Commercial &amp; Industrial</b>	<b>\$39,050,835</b>	<b>\$3,393,088</b>	<b>\$495,929</b>	<b>\$29,329,502</b>	<b>\$5,174,617</b>	<b>\$657,699</b>
25	OER (Electric)	\$1,581,381	\$1,581,381	\$0	\$0	\$0	\$0
26	EERMC (Electric)	\$406,775	\$406,775	\$0	\$0	\$0	\$0
27	<b>Subtotal Regulatory</b>	<b>\$1,988,155</b>	<b>\$1,988,155</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
28	<b>TOTAL All Sectors</b>	<b>\$80,851,644</b>	<b>\$7,047,184</b>	<b>\$2,039,421</b>	<b>\$57,261,030</b>	<b>\$13,238,041</b>	<b>\$1,265,967</b>
	<b>SRP PROGRAMS (Electric)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
	<b>OTHER COSTS NOT LISTED ABOVE (Electric)</b>	<b>\$911,776</b>	<b>\$0</b>	<b>\$0</b>	<b>\$911,776</b>	<b>\$0</b>	<b>\$0</b>

**Schedule 2 - Labor and Employee Expenses**

	(a) (b)+(c)	(b) (e)+(h)	(c) (f)+(i)	(d) (e)+(f)	(e)	(f)	(g) (h)+(i)	(h)	(i)
	Total Rhode Island Energy Labor + Expenses	Rhode Island Energy Direct Labor + Expenses	Rhode Island Energy Allocated Labor + Expenses	Total Rhode Island Energy Labor	Rhode Island Energy Direct Labor	Rhode Island Energy Allocated Labor	Total Rhode Island Energy Employee Expenses	Rhode Island Energy Direct Employee Expenses	Rhode Island Energy Allocated Employee Expenses
1 Residential New Construction (Electric)	\$61,031	\$21,903	\$39,128	\$60,027	\$21,888	\$38,139	\$1,004	\$16	\$989
2 ENERGY STAR HVAC (Electric)	\$116,002	\$70,700	\$45,302	\$114,829	\$70,617	\$44,212	\$1,173	\$83	\$1,090
3 EnergyWise (Electric)	\$204,901	\$30,724	\$174,177	\$199,040	\$28,967	\$170,072	\$5,862	\$1,757	\$4,105
4 EnergyWise Multi Family (Electric)	\$61,587	\$17,582	\$44,005	\$57,919	\$14,962	\$42,957	\$3,667	\$2,620	\$1,047
5 Home Energy Reports (Electric)	\$33,239	\$552	\$32,687	\$32,178	\$552	\$31,626	\$1,061	\$0	\$1,061
6 ENERGY STAR Lighting (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7 Residential Consumer Products (Electric)	\$75,308	\$38,071	\$37,236	\$74,397	\$38,056	\$36,341	\$911	\$16	\$895
8 Residential ConnectedSolutions (Electric)	\$33,975	\$16,060	\$17,915	\$33,071	\$15,616	\$17,455	\$904	\$444	\$460
9 Energy Efficiency Education Programs (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10 Residential Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11 Community Based Initiatives - Residential (Electric)	\$15	\$15	\$0	\$15	\$15	\$0	\$0	\$0	\$0
12 Comprehensive Marketing Residential (Electric)	\$720	\$0	\$720	\$708	\$0	\$708	\$11	\$0	\$11
13 <b>Subtotal Non-Income Eligible Residential</b>	<b>\$586,779</b>	<b>\$195,610</b>	<b>\$391,169</b>	<b>\$572,185</b>	<b>\$190,674</b>	<b>\$381,510</b>	<b>\$14,594</b>	<b>\$4,935</b>	<b>\$9,659</b>
14 Single Family - Income Eligible Services (Electric)	\$161,419	\$11,771	\$149,648	\$157,797	\$11,771	\$146,026	\$3,622	\$0	\$3,622
15 Income Eligible Multifamily (Electric)	\$64,748	\$15,428	\$49,320	\$63,589	\$15,428	\$48,161	\$1,160	\$0	\$1,160
16 <b>Subtotal Income Eligible Residential</b>	<b>\$226,167</b>	<b>\$27,199</b>	<b>\$198,968</b>	<b>\$221,386</b>	<b>\$27,199</b>	<b>\$194,187</b>	<b>\$4,782</b>	<b>\$0</b>	<b>\$4,782</b>
17 Large Commercial New Construction (Electric)	\$451,630	\$54,637	\$396,993	\$433,025	\$49,798	\$383,227	\$18,605	\$4,839	\$13,766
18 Large Commercial Retrofit (Electric)	\$1,445,681	\$290,511	\$1,155,170	\$1,401,520	\$284,913	\$1,116,607	\$44,161	\$5,598	\$38,564
19 Small Business Direct Install (Electric)	\$230,715	\$57,812	\$172,903	\$227,229	\$57,766	\$169,463	\$3,486	\$46	\$3,440
20 Commercial ConnectedSolutions (Electric)	\$102,387	\$23,145	\$79,242	\$99,984	\$22,573	\$77,411	\$2,403	\$572	\$1,830
21 Commercial Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22 Community Based Initiatives - C&I (Electric)	\$8,761	\$8,761	\$0	\$8,499	\$8,499	\$0	\$262	\$262	\$0
23 Finance Costs (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24 <b>Subtotal Commercial &amp; Industrial</b>	<b>\$2,239,174</b>	<b>\$434,866</b>	<b>\$1,804,307</b>	<b>\$2,170,256</b>	<b>\$423,549</b>	<b>\$1,746,708</b>	<b>\$68,917</b>	<b>\$11,318</b>	<b>\$57,600</b>
25 OER (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26 EERMC (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27 <b>Subtotal Regulatory</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
28 <b>TOTAL All Sectors</b>	<b>\$3,052,120</b>	<b>\$657,675</b>	<b>\$2,394,445</b>	<b>\$2,963,827</b>	<b>\$641,422</b>	<b>\$2,322,405</b>	<b>\$88,293</b>	<b>\$16,253</b>	<b>\$72,040</b>
<b>SRP PROGRAMS (Electric)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>OTHER COSTS NOT LISTED ABOVE (Electric)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Schedule 3 - Expenses Categorized as Vendor Costs in Company's Systems<sup>1</sup>**

	(a)	(b)	(c) (a) - (b)	(d)	(e)	(f) (d) + (e)	(g) (c) + (f)
	Total Costs of Services, Products, and Rebates Provided to Customers. <sup>2</sup> (also referred to as "Rebates and Other Customer Incentives")	Rebate Payments Made Directly to Customers by Rhode Island Energy and Rebates Paid to PEX's to Whom Customer Rebates were Assigned	Payments to Service Vendors for Costs Relating to Services, Products, and Processing Rebates (excluding costs included in col. b) <sup>3</sup>	Direct "External Costs" from Vendor Services	"External Costs" from Vendors Originating from an Allocation	Total of Vendor Costs Categorized as "External Costs" from Service Vendors (excluding costs included in columns a, b & c)	Total Costs from Service Vendors, Excluding Rebate Payments Made Directly to Customers by Rhode Island Energy
1 Residential New Construction (Electric)	\$513,828	\$0	\$513,828	\$419,961	\$107,157	\$527,118	\$1,040,946
2 ENERGY STAR HVAC (Electric)	\$3,111,662	\$0	\$3,111,662	\$1,002,366	\$96,114	\$1,098,481	\$4,210,143
3 EnergyWise (Electric)	\$11,719,419	\$0	\$11,719,419	\$2,104,700	\$328,484	\$2,433,184	\$14,152,603
4 EnergyWise Multi Family (Electric)	\$722,440	\$0	\$722,440	\$376,159	\$81,956	\$458,115	\$1,180,555
5 Home Energy Reports (Electric)	-\$75,586	\$0	-\$75,586	\$2,387,778	\$44,242	\$2,432,020	\$2,356,434
6 ENERGY STAR Lighting (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7 Residential Consumer Products (Electric)	\$631,977	\$0	\$631,977	\$1,110,386	\$73,277	\$1,183,662	\$1,815,639
8 Residential ConnectedSolutions (Electric)	\$1,184,654	\$0	\$1,184,654	\$232,675	\$38,687	\$271,362	\$1,456,016
9 Energy Efficiency Education Programs (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10 Residential Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11 Community Based Initiatives - Residential (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12 Comprehensive Marketing Residential (Electric)	\$0	\$0	\$0	\$227,560	\$5,946	\$233,506	\$233,506
13 <b>Subtotal Non-Income Eligible Residential</b>	<b>\$17,808,394</b>	<b>\$0</b>	<b>\$17,808,394</b>	<b>\$7,861,585</b>	<b>\$775,863</b>	<b>\$8,637,448</b>	<b>\$26,445,842</b>
14 Single Family - Income Eligible Services (Electric)	\$8,055,317	\$0	\$8,055,317	\$1,732,567	\$258,651	\$1,991,217	\$10,046,534
15 Income Eligible Multifamily (Electric)	\$2,067,818	\$0	\$2,067,818	\$349,442	\$90,071	\$439,514	\$2,507,332
16 <b>Subtotal Income Eligible Residential</b>	<b>\$10,123,135</b>	<b>\$0</b>	<b>\$10,123,135</b>	<b>\$2,082,009</b>	<b>\$348,722</b>	<b>\$2,430,731</b>	<b>\$12,553,866</b>
17 Large Commercial New Construction (Electric)	\$2,269,625	\$372,658	\$1,896,967	\$1,459,886	\$134,295	\$1,594,181	\$3,491,147
18 Large Commercial Retrofit (Electric)	\$13,671,309	\$1,228,992	\$12,442,316	\$3,004,546	\$437,427	\$3,441,973	\$15,884,289
19 Small Business Direct Install (Electric)	\$5,190,772	\$0	\$5,190,772	\$162,110	\$144,106	\$306,216	\$5,496,988
20 Commercial ConnectedSolutions (Electric)	\$4,462,796	\$0	\$4,462,796	\$78,066	\$61,695	\$139,761	\$4,602,557
21 Commercial Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22 Community Based Initiatives - C&I (Electric)	\$0	\$0	\$0	\$29	\$0	\$29	\$29
23 Finance Costs (Electric)	\$3,735,000	\$0	\$3,735,000	\$2,000,000	\$0	\$2,000,000	\$5,735,000
24 <b>Subtotal Commercial &amp; Industrial</b>	<b>\$29,329,502</b>	<b>\$1,601,651</b>	<b>\$27,727,851</b>	<b>\$6,704,636</b>	<b>\$777,523</b>	<b>\$7,482,159</b>	<b>\$35,210,010</b>
25 OER (Electric)	\$0	\$0	\$0	\$1,581,381	\$0	\$1,581,381	\$1,581,381
26 EERMC (Electric)	\$0	\$0	\$0	\$406,775	\$0	\$406,775	\$406,775
27 <b>Subtotal Regulatory</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,988,155</b>	<b>\$0</b>	<b>\$1,988,155</b>	<b>\$1,988,155</b>
28 <b>TOTAL All Sectors</b>	<b>\$57,261,030</b>	<b>\$1,601,651</b>	<b>\$55,659,379</b>	<b>\$18,636,385</b>	<b>\$1,902,108</b>	<b>\$20,538,493</b>	<b>\$76,197,873</b>
SRP PROGRAMS (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTHER COSTS NOT LISTED ABOVE (Electric)	\$911,776	\$0	\$911,776	\$0	\$0	\$0	\$911,776

<sup>1</sup> The Company's accounting system treats all payments made directly to customers and vendors as one category of vendor expenses. Rebates paid to customers through service contracts with vendors are included in the service cost of the vendor.

<sup>2</sup> Prior to 2020, this column was labeled as "Rebates and Other Customer Incentives" in annual reports and plans.

<sup>3</sup> This cost category includes service costs for customers plus rebates/incentives processed and paid to customers by the vendor, but excludes rebates paid directly to customers by the Company in col (b).

<sup>4</sup> The term "External Costs" has been used in Company reports to identify a subset of vendor costs not included in "Rebates and Other Customer Incentives".

<sup>5</sup> In the 2020 Year End Report, Home Energy Reports were categorized under column (c) in this schedule. Starting with the Year End Report, Home Energy Reports costs categorized under column (c) are now categorized under column (d).



**Schedule 4 - Program Planning & Administration**

	(a) (b)+(e)+(h)	(b) (c)+(d)	(c)	(d)	(e) (f)+(g)	(f)	(g)	(h) (i)+(j)	(i)	(j)	(h) (i)+(j)	(i)	(j)
	Total Costs	Total Rhode Island Energy Labor Costs	Rhode Island Energy Direct Labor	Rhode Island Energy Allocated Labor	Total Rhode Island Energy Employee Expenses	Rhode Island Energy Direct Employee Expenses	Rhode Island Energy Allocated Employee Expenses	External Services Costs	Direct External Services Costs	External Services Costs Originating from an Allocation	Other Costs (if any)	Other Direct Costs	Other Costs Originating from an Allocation
1 Residential New Construction (Electric)	\$116,452	\$55,490	\$20,627	\$34,863	\$816	\$16	\$800	\$60,147	\$50	\$60,097	\$0	\$0	\$0
2 ENERGY STAR HVAC (Electric)	\$149,198	\$107,254	\$66,024	\$41,230	\$1,029	\$83	\$947	\$40,915	-\$30,334	\$71,248	\$0	\$0	\$0
3 EnergyWise (Electric)	\$477,458	\$189,413	\$25,931	\$163,482	\$5,503	\$1,750	\$3,753	\$282,542	\$42	\$282,500	\$0	\$0	\$0
4 EnergyWise Multi Family (Electric)	\$138,620	\$54,560	\$13,476	\$41,084	\$3,563	\$2,620	\$943	\$80,496	\$9,554	\$70,942	\$0	\$0	\$0
5 Home Energy Reports (Electric)	\$61,648	\$22,809	\$552	\$22,257	\$511	\$0	\$511	\$38,329	\$0	\$38,329	\$0	\$0	\$0
6 ENERGY STAR Lighting (Electric)	-\$25	-\$25	-\$25	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7 Residential Consumer Products (Electric)	\$106,496	\$62,802	\$28,837	\$33,965	\$795	\$16	\$780	\$42,898	-\$15,721	\$58,619	\$0	\$0	\$0
8 Residential ConnectedSolutions (Electric)	\$72,719	\$31,013	\$15,287	\$15,725	\$775	\$414	\$361	\$40,931	\$13,749	\$27,181	\$0	\$0	\$0
9 Energy Efficiency Education Programs (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10 Residential Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11 Community Based Initiatives - Residential (Electric)	\$15	\$15	\$15	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12 Comprehensive Marketing Residential (Electric)	\$1,374	\$501	\$0	\$501	\$11	\$0	\$11	\$862	\$0	\$862	\$0	\$0	\$0
13 <b>Subtotal Non-Income Eligible Residential</b>	<b>\$1,123,954</b>	<b>\$523,831</b>	<b>\$170,724</b>	<b>\$353,106</b>	<b>\$13,003</b>	<b>\$4,898</b>	<b>\$8,106</b>	<b>\$587,120</b>	<b>-\$22,659</b>	<b>\$609,779</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
14 Single Family - Income Eligible Services (Electric)	\$390,521	\$148,505	\$10,278	\$138,228	\$3,173	\$0	\$3,173	\$238,842	\$1	\$238,841	\$0	\$0	\$0
15 Income Eligible Multifamily (Electric)	\$151,466	\$61,614	\$15,046	\$46,569	\$1,069	\$0	\$1,069	\$88,783	\$8,362	\$80,421	\$0	\$0	\$0
16 <b>Subtotal Income Eligible Residential</b>	<b>\$541,987</b>	<b>\$210,120</b>	<b>\$25,323</b>	<b>\$184,796</b>	<b>\$4,242</b>	<b>\$0</b>	<b>\$4,242</b>	<b>\$327,625</b>	<b>\$8,363</b>	<b>\$319,261</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
17 Large Commercial New Construction (Electric)	\$216,903	\$94,510	\$1,533	\$92,977	\$725	\$0	\$725	\$121,668	\$0	\$121,668	\$0	\$0	\$0
18 Large Commercial Retrofit (Electric)	\$781,958	\$316,664	\$8,026	\$308,638	\$2,432	\$0	\$2,432	\$462,861	\$56,375	\$406,486	\$0	\$0	\$0
19 Small Business Direct Install (Electric)	\$242,908	\$108,411	\$1,291	\$107,120	\$849	\$0	\$849	\$133,648	-\$7,929	\$141,577	\$0	\$0	\$0
20 Commercial ConnectedSolutions (Electric)	\$151,319	\$68,188	\$22,573	\$45,615	\$364	\$0	\$364	\$82,767	\$22,266	\$60,502	\$0	\$0	\$0
21 Commercial Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22 Community Based Initiatives - C&I (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23 Finance Costs (Electric)	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000	\$0	\$0	\$0	\$0
24 <b>Subtotal Commercial &amp; Industrial</b>	<b>\$3,393,088</b>	<b>\$587,773</b>	<b>\$33,422</b>	<b>\$554,351</b>	<b>\$4,370</b>	<b>\$0</b>	<b>\$4,370</b>	<b>\$2,800,944</b>	<b>\$2,070,712</b>	<b>\$730,232</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
25 OER (Electric)	\$1,581,381	\$0	\$0	\$0	\$0	\$0	\$0	\$1,581,381	\$1,581,381	\$0	\$0	\$0	\$0
26 EERMC (Electric)	\$406,775	\$0	\$0	\$0	\$0	\$0	\$0	\$406,775	\$406,775	\$0	\$0	\$0	\$0
27 <b>Subtotal Regulatory</b>	<b>\$1,988,155</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,988,155</b>	<b>\$1,988,155</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
28 <b>TOTAL All Sectors</b>	<b>\$7,047,184</b>	<b>\$1,321,724</b>	<b>\$229,470</b>	<b>\$1,092,254</b>	<b>\$21,616</b>	<b>\$4,898</b>	<b>\$16,718</b>	<b>\$5,703,844</b>	<b>\$4,044,572</b>	<b>\$1,659,272</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SRP PROGRAMS (Electric)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>OTHER COSTS NOT LISTED ABOVE (Electric)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Schedule 5 - Marketing**

	(a) (b)+(e)+(h)+(k)	(b) (c)+(d)	(c)	(d)	(e) (f)+(g)	(f)	(g)	(h) (i)+(j)	(i)	(j)	(k) (l)+(m)	(l)	(m)
	Total Costs	Total Rhode Island Energy Labor Costs	Rhode Island Energy Direct Labor	Rhode Island Energy Allocated Labor	Total Rhode Island Energy Employee Expenses	Rhode Island Energy Direct Employee Expenses	Rhode Island Energy Allocated Employee Expenses	External Services Costs	Direct External Services Costs	External Services Costs Originating from an Allocation	Other Costs any	Other Direct Costs	Other Costs Originating from an Allocation
1 Residential New Construction (Electric)	\$506	\$20	\$0	\$20	\$0	\$0	\$0	\$486	\$0	\$486	\$0	\$0	\$0
2 ENERGY STAR HVAC (Electric)	\$288,219	\$271	\$35	\$235	\$0	\$0	\$0	\$287,948	\$282,186	\$5,762	\$0	\$0	\$0
3 EnergyWise (Electric)	\$210,364	\$2,860	\$2,546	\$314	\$0	\$0	\$0	\$207,504	\$199,804	\$7,700	\$0	\$0	\$0
4 EnergyWise Multi Family (Electric)	\$204,113	\$978	\$915	\$63	\$0	\$0	\$0	\$203,135	\$201,603	\$1,532	\$0	\$0	\$0
5 Home Energy Reports (Electric)	\$281	\$11	\$0	\$11	\$0	\$0	\$0	\$270	\$0	\$270	\$0	\$0	\$0
6 ENERGY STAR Lighting (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7 Residential Consumer Products (Electric)	\$440,521	\$9,597	\$9,206	\$391	\$0	\$0	\$0	\$430,924	\$421,356	\$9,568	\$0	\$0	\$0
8 Residential ConnectedSolutions (Electric)	\$243	\$10	\$0	\$10	\$0	\$0	\$0	\$234	\$0	\$234	\$0	\$0	\$0
9 Energy Efficiency Education Programs (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10 Residential Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11 Community Based Initiatives - Residential (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12 Comprehensive Marketing Residential (Electric)	\$232,851	\$208	\$0	\$208	\$0	\$0	\$0	\$232,644	\$227,560	\$5,084	\$0	\$0	\$0
13 <b>Subtotal Non-Income Eligible Residential</b>	<b>\$1,377,099</b>	<b>\$13,954</b>	<b>\$12,703</b>	<b>\$1,251</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,363,145</b>	<b>\$1,332,509</b>	<b>\$30,636</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
14 Single Family - Income Eligible Services (Electric)	\$162,138	\$1,607	\$1,494	\$114	\$0	\$0	\$0	\$160,531	\$157,749	\$2,782	\$0	\$0	\$0
15 Income Eligible Multifamily (Electric)	\$4,255	\$12	\$0	\$12	\$0	\$0	\$0	\$4,243	\$3,951	\$292	\$0	\$0	\$0
16 <b>Subtotal Income Eligible Residential</b>	<b>\$166,393</b>	<b>\$1,619</b>	<b>\$1,494</b>	<b>\$126</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$164,774</b>	<b>\$161,700</b>	<b>\$3,074</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
17 Large Commercial New Construction (Electric)	\$200,471	\$19	\$0	\$19	\$0	\$0	\$0	\$200,453	\$200,453	\$0	\$0	\$0	\$0
18 Large Commercial Retrofit (Electric)	\$168,339	\$229	\$214	\$15	\$8	\$8	\$0	\$168,102	\$168,102	\$0	\$0	\$0	\$0
19 Small Business Direct Install (Electric)	\$127,119	\$5,719	\$5,704	\$15	\$0	\$0	\$0	\$121,400	\$121,400	\$0	\$0	\$0	\$0
20 Commercial ConnectedSolutions (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21 Commercial Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22 Community Based Initiatives - C&I (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23 Finance Costs (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24 <b>Subtotal Commercial &amp; Industrial</b>	<b>\$495,929</b>	<b>\$5,967</b>	<b>\$5,918</b>	<b>\$49</b>	<b>\$8</b>	<b>\$8</b>	<b>\$0</b>	<b>\$489,955</b>	<b>\$489,955</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
25 OER (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26 EERMC (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27 <b>Subtotal Regulatory</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
28 <b>TOTAL All Sectors</b>	<b>\$2,039,421</b>	<b>\$21,539</b>	<b>\$20,114</b>	<b>\$1,425</b>	<b>\$8</b>	<b>\$8</b>	<b>\$0</b>	<b>\$2,017,874</b>	<b>\$1,984,164</b>	<b>\$33,710</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SRP PROGRAMS (Electric)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>OTHER COSTS NOT LISTED ABOVE (Electric)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Schedule 6 - Cost of services and product rebates/incentives provided to customers (1)**

Annual threshold > \$100,000 for evaluation of allocation between Col. (b) vs. Col. (c)  
 Default Assumption, expenses allocated to Col. (c)

	(a) (b)+(c)	(b)	(c)	(d)	
	product rebates/incentives for customers which are paid directly to a customer or provided to customer via a vendor	Rebate/Incentive Payments Directly Paid to Customers	Product Rebates/Incentives for customers which are made to vendors and then	Description of External Payments	
1	Residential New Construction (Electric)	\$513,828	\$0	\$513,828	Payments are made to external vendor(s) that are then used to provide rebates to customers for approved energy efficiency products that are installed in new customer dwellings. Payments also include a home performance testing service at no cost to the customer.
2	ENERGY STAR HVAC (Electric)	\$3,111,662	\$0	\$3,111,662	Payments are made to external vendor(s) that are then used to provide rebates to customers for approved energy efficiency HVAC products that are installed in rate payer customer dwellings. Payments are also made to external vendor(s) that are then used to provide zero interest loans to customers for approved energy efficiency HVAC products.
3	EnergyWise (Electric)	\$11,719,419	\$0	\$11,719,419	Payments are made to external vendor(s) that are then used to discount approved energy efficiency products that are installed in single family customer dwellings. Payments also include a service to customers in the form of no cost energy assessments. Payments are also made to external vendor(s) that are then used to provide zero interest loans to customers for weatherization.
4	EnergyWise Multi Family (Electric)	\$722,440	\$0	\$722,440	Payments are made to external vendors that are then used to discount approved energy efficiency products that are installed in multifamily customer dwellings. Payments also include a service to customers in the form of no cost energy assessments. Payments are also made to external vendor(s) that are then used to provide zero interest loans to customers for weatherization.
5	Home Energy Reports (Electric)	-\$75,586	\$0	-\$75,586	Payments include costs associated with the delivery of the program. The HER program does not feature direct customer incentives or rebates. Instead the funds in this category are utilized in the production and delivery of Home Energy Reports. The costs associated with this effort are categorized as 'Rebates and Other Incentives' because the reports drive customer actions to change energy consumption behaviors, resulting in energy cost savings to those customers and benefits to all customers.
6	ENERGY STAR Lighting (Electric)	\$0	\$0	\$0	Payments are made to external vendors that are then used to discount approved EnergyStar Lighting Products. Customers then purchase these EnergyStar Lighting products at a discounted price.
7	Residential Consumer Products (Electric)	\$631,977	\$0	\$631,977	Payments are made to external vendors that are then used to discount approved EnergyStar Appliance products. Customers then purchase these EnergyStar Appliance products at a discounted price. Payments are also made to external vendor(s) that are then used to provide rebates to customers who purchase approved EnergyStar Appliance products.
8	Residential ConnectedSolutions (Electric)	\$1,184,654	\$0	\$1,184,654	Payments are made to external vendor(s) that are then used to pay customers an incentive for participation in the program. In some cases, customers have elected to receive their incentive payment directly from Rhode Island Energy, in these cases the Company directly pays the customer the incentive.
9	Energy Efficiency Education Programs (Electric)	\$0	\$0	\$0	N/A
10	Residential Pilots (Electric)	\$0	\$0	\$0	Payments can vary depending on the pilot. In 2018 the only Residential Electric was the Zero Energy Homes pilot. For this pilot, payments are made to external vendor(s) that are then used to provide rebates to customers for approved energy efficiency products that are installed in new customer dwellings. Payments also include a home performance testing service at no cost to the customer.
11	Community Based Initiatives - Residential (Electric)	\$0	\$0	\$0	Payments can either be made directly to a community or payments can be made to external vendor(s) that are then used to discount approved energy efficiency products for communities participating in the Community Based Initiative.
12	Comprehensive Marketing Residential (Electric)	\$0	\$0	\$0	N/A
13	<b>Subtotal Non-Income Eligible Residential</b>	<b>\$17,808,394</b>	<b>\$0</b>	<b>\$17,808,394</b>	
14	Single Family - Income Eligible Services (Electric)	\$8,055,317	\$0	\$8,055,317	Payments are made to external vendors that are then used to cover 100% of the cost for approved energy efficiency products that are installed in single family income eligible customer dwellings. Payments also include a no cost service to customers in the form of no cost energy assessments.
15	Income Eligible Multifamily (Electric)	\$2,067,818	\$0	\$2,067,818	Payments are made to external vendors that are then used to cover 100% of the cost for approved energy efficiency products that are installed in multifamily customer dwellings. Payments also include a no cost service to customers in the form of no cost energy assessments.
16	<b>Subtotal Income Eligible Residential</b>	<b>\$10,123,135</b>	<b>\$0</b>	<b>\$10,123,135</b>	
17	Large Commercial New Construction (Electric)	\$2,269,625	\$372,658	\$1,896,967	Payments are made to external vendor(s) that are then used to discount approved energy efficiency products that are installed in customer facilities. Payments are also made directly to customers for the installation of approved energy efficiency measures.
18	Large Commercial Retrofit (Electric)	\$13,671,309	\$1,228,992	\$12,442,316	Payments are made to external vendor(s) that are then used to discount approved energy efficiency products that are installed in customer facilities. Payments are also made directly to customers for the installation of approved energy efficiency measures.
19	Small Business Direct Install (Electric)	\$5,190,772	\$0	\$5,190,772	Payments are made to external vendor(s) that are then used to discount approved energy efficiency products that are installed in customer facilities. Payments are also made directly to customers for the installation of approved energy efficiency measures. Payments also include no cost services to customers including no cost energy assessments.
20	Commercial ConnectedSolutions (Electric)	\$4,462,796	\$0	\$4,462,796	Payments are made to external vendor(s) that are then used to pay customers an incentive for participation in the program. The external vendor(s) retain a portion of the incentive payments.
21	Commercial Pilots (Electric)	\$0	\$0	\$0	Payments can vary depending on the pilot. In 2018 the only Commercial Electric pilot was the Zero Energy Buildings pilot. For this pilot, incentive payments are made directly to customers. Payments also include building verification and certification for Zero Buildings, at no cost to the customer.
22	Community Based Initiatives - C&I (Electric)	\$0	\$0	\$0	Payments can either be made directly to a municipality or payments can be made to external vendor(s) that are then used to discount approved energy efficiency products for communities participating in the Community Based Initiative.
23	Finance Costs (Electric)	\$3,735,000	\$0	\$3,735,000	Payments made to the Rhode Island Infrastructure Bank are leveraged and lent to municipalities to cover the municipality's net costs of an energy efficiency project. Costs may include energy efficiency equipment and related services.
24	<b>Subtotal Commercial &amp; Industrial</b>	<b>\$29,329,502</b>	<b>\$1,601,651</b>	<b>\$27,727,851</b>	
25	OER (Electric)	\$0	\$0	\$0	
26	EERMC (Electric)	\$0	\$0	\$0	
27	<b>Subtotal Regulatory</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
28	<b>TOTAL All Sectors</b>	<b>\$57,261,030</b>	<b>\$1,601,651</b>	<b>\$55,659,379</b>	
	SRP PROGRAMS (Electric)	\$0	\$0	\$0	
	<b>OTHER COSTS NOT LISTED ABOVE (Electric)</b>	<b>\$911,776</b>		<b>\$911,776</b>	

(1) In the 2020 Energy Efficiency Annual Plan filing, this cost category was referred to as "Rebates and Other Incentives"

**Schedule 7 - Sales, Technical Assistance & Training (STAT)**

	(a) (b)+(e)+(h)+(k)	(b) (c)+(d)	(c)	(d)	(e) (f)+(g)	(f)	(g)	(h) (i)+(j)	(i)	(j)	(k) (l)+(m)	(l)	(m)
	Total Costs	Total Rhode Island Energy Labor Costs	Rhode Island Energy Direct Labor	Rhode Island Energy Allocated Labor	Total Rhode Island Energy Employee Expenses	Rhode Island Energy Direct Employee Expenses	Rhode Island Energy Allocated Employee Expenses	External Services Costs	Direct External Services Costs	External Services Costs Originating from an Allocation	Other Costs any	Other Direct Costs	Other Costs Originating from an Allocation
1 Residential New Construction (Electric)	\$227,374	\$2,050	\$306	\$1,745	\$103	\$0	\$103	\$225,220	\$224,987	\$233	\$0	\$0	\$0
2 ENERGY STAR HVAC (Electric)	\$727,612	\$1,751	\$0	\$1,751	\$103	\$0	\$103	\$725,757	\$725,523	\$234	\$0	\$0	\$0
3 EnergyWise (Electric)	\$1,816,943	\$5,179	\$491	\$4,689	\$284	\$8	\$276	\$1,811,480	\$1,810,853	\$627	\$0	\$0	\$0
4 EnergyWise Multi Family (Electric)	\$156,905	\$1,467	\$0	\$1,467	\$86	\$0	\$86	\$155,352	\$155,155	\$196	\$0	\$0	\$0
5 Home Energy Reports (Electric)	\$2,398,741	\$9,192	\$0	\$9,192	\$542	\$0	\$542	\$2,389,007	\$2,387,778	\$1,229	\$0	\$0	\$0
6 ENERGY STAR Lighting (Electric)	\$8	\$0	\$0	\$0	\$0	\$0	\$0	\$8	\$8	\$0	\$0	\$0	\$0
7 Residential Consumer Products (Electric)	\$692,299	\$1,804	\$0	\$1,804	\$106	\$0	\$106	\$690,388	\$690,147	\$241	\$0	\$0	\$0
8 Residential ConnectedSolutions (Electric)	\$201,798	\$1,657	\$329	\$1,328	\$108	\$30	\$78	\$200,033	\$199,855	\$178	\$0	\$0	\$0
9 Energy Efficiency Education Programs (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10 Residential Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11 Community Based Initiatives - Residential (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12 Comprehensive Marketing Residential (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13 <b>Subtotal Non-Income Eligible Residential</b>	<b>\$6,221,679</b>	<b>\$23,101</b>	<b>\$1,125</b>	<b>\$21,976</b>	<b>\$1,333</b>	<b>\$38</b>	<b>\$1,295</b>	<b>\$6,197,245</b>	<b>\$6,194,306</b>	<b>\$2,939</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
14 Single Family - Income Eligible Services (Electric)	\$1,526,860	\$7,086	\$0	\$7,086	\$418	\$0	\$418	\$1,519,357	\$1,518,409	\$948	\$0	\$0	\$0
15 Income Eligible Multifamily (Electric)	\$314,886	\$1,241	\$0	\$1,241	\$73	\$0	\$73	\$313,572	\$313,406	\$166	\$0	\$0	\$0
16 <b>Subtotal Income Eligible Residential</b>	<b>\$1,841,746</b>	<b>\$8,326</b>	<b>\$0</b>	<b>\$8,326</b>	<b>\$491</b>	<b>\$0</b>	<b>\$491</b>	<b>\$1,832,928</b>	<b>\$1,831,815</b>	<b>\$1,113</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
17 Large Commercial New Construction (Electric)	\$1,442,006	\$321,976	\$48,265	\$273,711	\$17,678	\$4,839	\$12,839	\$1,102,352	\$1,090,777	\$11,575	\$0	\$0	\$0
18 Large Commercial Retrofit (Electric)	\$3,511,758	\$1,052,180	\$276,674	\$775,506	\$41,321	\$5,590	\$35,731	\$2,418,257	\$2,389,408	\$28,849	\$0	\$0	\$0
19 Small Business Direct Install (Electric)	\$121,234	\$104,833	\$50,771	\$54,062	\$2,541	\$46	\$2,495	\$13,860	\$11,825	\$2,035	\$0	\$0	\$0
20 Commercial ConnectedSolutions (Electric)	\$90,828	\$31,796	\$0	\$31,796	\$2,039	\$572	\$1,467	\$56,994	\$55,800	\$1,194	\$0	\$0	\$0
21 Commercial Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22 Community Based Initiatives - C&I (Electric)	\$8,790	\$8,499	\$8,499	\$0	\$262	\$262	\$0	\$29	\$29	\$0	\$0	\$0	\$0
23 Finance Costs (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24 <b>Subtotal Commercial &amp; Industrial</b>	<b>\$5,174,617</b>	<b>\$1,519,284</b>	<b>\$384,209</b>	<b>\$1,135,075</b>	<b>\$63,841</b>	<b>\$11,310</b>	<b>\$52,531</b>	<b>\$3,591,491</b>	<b>\$3,547,839</b>	<b>\$43,653</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
25 OER (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26 EERMC (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27 <b>Subtotal Regulatory</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
28 <b>TOTAL All Sectors</b>	<b>\$13,238,041</b>	<b>\$1,550,712</b>	<b>\$385,334</b>	<b>\$1,165,377</b>	<b>\$65,665</b>	<b>\$11,348</b>	<b>\$54,317</b>	<b>\$11,621,665</b>	<b>\$11,573,960</b>	<b>\$47,705</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SRP PROGRAMS (Electric)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>OTHER COSTS NOT LISTED ABOVE (Electric)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Schedule 8 - Evaluation & Market Research**

	(a) (b)+(e)+(h)+(k)	(b) (c)+(d)	(c)	(d)	(e) (f)+(g)	(f)	(g)	(h) (i)+(j)	(i)	(j)	(k) (l)+(m)	(l)	(m)
	Total Costs	Total Rhode Island Energy Labor Costs	Rhode Island Energy Direct Labor	Rhode Island Energy Allocated Labor	Total Rhode Island Energy Employee Expenses	Rhode Island Energy Direct Employee Expenses	Rhode Island Energy Allocated Employee Expenses	External Services Costs	Direct External Services Costs	External Services Costs Originating from an Allocation	Other Costs (if any)	Other Direct Costs	Other Costs Originating from an Allocation
1 Residential New Construction (Electric)	\$243,817	\$2,467	\$955	\$1,512	\$86	\$0	\$86	\$241,264	\$194,924	\$46,340	\$0	\$0	\$0
2 ENERGY STAR HVAC (Electric)	\$49,454	\$5,553	\$4,558	\$995	\$40	\$0	\$40	\$43,861	\$24,991	\$18,870	\$0	\$0	\$0
3 EnergyWise (Electric)	\$133,321	\$1,587	\$0	\$1,587	\$75	\$0	\$75	\$131,658	\$94,001	\$37,657	\$0	\$0	\$0
4 EnergyWise Multi Family (Electric)	\$20,064	\$915	\$572	\$343	\$18	\$0	\$18	\$19,132	\$9,846	\$9,286	\$0	\$0	\$0
5 Home Energy Reports (Electric)	\$4,588	\$166	\$0	\$166	\$9	\$0	\$9	\$4,414	\$0	\$4,414	\$0	\$0	\$0
6 ENERGY STAR Lighting (Electric)	\$17	\$25	\$25	\$0	\$0	\$0	\$0	-\$8	-\$8	\$0	\$0	\$0	\$0
7 Residential Consumer Products (Electric)	\$19,654	\$193	\$12	\$181	\$9	\$0	\$9	\$19,452	\$14,604	\$4,848	\$0	\$0	\$0
8 Residential ConnectedSolutions (Electric)	\$30,578	\$392	\$0	\$392	\$21	\$0	\$21	\$30,165	\$19,070	\$11,095	\$0	\$0	\$0
9 Energy Efficiency Education Programs (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10 Residential Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11 Community Based Initiatives - Residential (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12 Comprehensive Marketing Residential (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13 <b>Subtotal Non-Income Eligible Residential</b>	<b>\$501,495</b>	<b>\$11,299</b>	<b>\$6,122</b>	<b>\$5,177</b>	<b>\$258</b>	<b>\$0</b>	<b>\$258</b>	<b>\$489,938</b>	<b>\$357,428</b>	<b>\$132,509</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
14 Single Family - Income Eligible Services (Electric)	\$73,117	\$599	\$0	\$599	\$31	\$0	\$31	\$72,488	\$56,408	\$16,080	\$0	\$0	\$0
15 Income Eligible Multifamily (Electric)	\$33,656	\$722	\$382	\$340	\$18	\$0	\$18	\$32,916	\$23,723	\$9,193	\$0	\$0	\$0
16 <b>Subtotal Income Eligible Residential</b>	<b>\$106,773</b>	<b>\$1,320</b>	<b>\$382</b>	<b>\$938</b>	<b>\$49</b>	<b>\$0</b>	<b>\$49</b>	<b>\$105,404</b>	<b>\$80,131</b>	<b>\$25,273</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
17 Large Commercial New Construction (Electric)	\$186,430	\$16,520	\$0	\$16,520	\$202	\$0	\$202	\$169,708	\$168,656	\$1,051	\$0	\$0	\$0
18 Large Commercial Retrofit (Electric)	\$425,600	\$32,447	\$0	\$32,447	\$401	\$0	\$401	\$392,752	\$390,660	\$2,092	\$0	\$0	\$0
19 Small Business Direct Install (Electric)	\$45,670	\$8,266	\$0	\$8,266	\$96	\$0	\$96	\$37,309	\$36,814	\$495	\$0	\$0	\$0
20 Commercial ConnectedSolutions (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21 Commercial Pilots (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22 Community Based Initiatives - C&I (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23 Finance Costs (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24 <b>Subtotal Commercial &amp; Industrial</b>	<b>\$657,699</b>	<b>\$57,233</b>	<b>\$0</b>	<b>\$57,233</b>	<b>\$698</b>	<b>\$0</b>	<b>\$698</b>	<b>\$599,768</b>	<b>\$596,130</b>	<b>\$3,638</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
25 OER (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26 EERMC (Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
27 <b>Subtotal Regulatory</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
28 <b>TOTAL All Sectors</b>	<b>\$1,265,967</b>	<b>\$69,852</b>	<b>\$6,504</b>	<b>\$63,348</b>	<b>\$1,005</b>	<b>\$0</b>	<b>\$1,005</b>	<b>\$1,195,110</b>	<b>\$1,033,690</b>	<b>\$161,421</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SRP PROGRAMS (Electric)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>OTHER COSTS NOT LISTED ABOVE (Electric)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Schedule 9 - Shared Cross-Jurisdictional Costs (Non-Labor)**

>\$100,000 only for Rhode Island

(Non-Labor Services/Costs that are Shared with Other Jurisdictions and are Allocated to Rhode Island)

	(a)	(b) (c)x(a)	(b) (c)x(a)	(b) (c)x(a)	(c)	(c)	(c)	(d)	(e)	(f)
Description of Service/Cost	Total Cost Used as Basis for Allocation	Total Allocated to Rhode Island	Total Allocated to RI-ELEC	Total Allocated to RI-GAS	% to Rhode Island	% to RI-ELEC	% to RI-GAS	% to Mass.	% to New York	Description of Allocation Methodology
1 IBM CORP. charged to DSM - InDemæ	\$2,571,089	\$483,365	\$352,035	\$131,330	19%	14%	5%	68%	14%	Based on Overall Jurisdictional 2021 EE Budgets - ALL RI; ALL UPSTATE NY; ALL MA; ALL DOWNSTATE NY

**Schedule 10 - Methods for Allocating Costs >\$500,000 Across Rhode Island Programs/Sectors**

	(a)	(b)	(c)	(d)	(f)
Description of Cost Allocated	Total Cost Allocated	Allocation to Non-Eligible Residential Programs	Allocation to Eligible Residential Programs	Allocation to C&I Programs	Description of Allocation Methodology
1 Guidehouse Costs for Program Planning & Administration - RI-ELEC	\$974,838	\$373,838	\$195,726	\$405,274	Based on PP&A Budgets of Programs Designated To Receive Allocations
2 IBM Costs for InDemand Releases - RI-ELEC	\$352,035	\$122,040	\$63,918	\$166,077	Based on PP&A Budgets of Programs Designated To Receive Allocations
3					
4					
5 Labor Allocated to PP&A	\$1,092,254	\$353,106	\$184,796	\$554,351	Based on PP&A Budgets of Programs Designated To Receive Allocations
6 Labor Allocated to Marketing	\$1,425	\$1,251	\$126	\$49	Based on Marketing Budgets of Programs Designated To Receive Allocations
7 Labor Allocated to STAT	\$1,165,377	\$21,976	\$8,326	\$1,135,075	Based on STAT Budgets of Programs Designated To Receive Allocations
8 Labor Allocated to Evaluation & Market Research	\$63,348	\$5,177	\$938	\$57,233	Based on Evaluation & Marketing Research Budgets of Programs Designated To Receive Allocations
9 <b>ALLOCATED LABOR - RI-ELEC TOTAL</b>	<b>\$2,322,405</b>	<b>\$381,510</b>	<b>\$194,187</b>	<b>\$1,746,708</b>	





## Attachment 2

### Gas Summary Table of Year-End Results

**Rhode Island Energy Energy-Efficiency Programs  
Table G-1: Summary of 2022 Target and Year End Results**

Sector and Program	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	Energy Savings (Annual MMBtu)			Customer Participation			Implementation Expenses (\$ 000)			Energy Savings (Lifetime MMBtu)			\$/Lifetime MMBtu		Peak Hour Gas Demand Savings (MMBtu)
	Approved Target	Actual	Pct Achieved	Approved Target	Actual	Pct Achieved	Approved Budget	Actual	Pct Achieved	Planned	Actual	Pct Achieved	Planned	Actual	Year to Date
<b>Commercial &amp; Industrial</b>															
Large Commercial New Construction	52,956	44,398	83.8%	94	23	24.0%	\$ 3,186.6	\$ 2,677.1	84.0%	788,763	581,376	73.7%	\$ 4.04	\$ 4.60	22.20
Large Commercial Retrofit	142,888	146,383	102.4%	62	89	143.4%	\$ 4,696.3	\$ 4,919.4	104.8%	1,332,508	1,374,881	103.2%	\$ 3.52	\$ 3.58	73.19
Small Business Direct Install	6,113	4,311	70.5%	170	97	56.7%	\$ 355.9	\$ 418.9	117.7%	91,700	78,956	86.1%	\$ 3.88	\$ 5.31	2.16
Commercial & Industrial Multifamily	8,803	2,771	31.5%	729	159	21.8%	\$ 957.3	\$ 490.8	51.3%	131,220	59,175	45.1%	\$ 7.30	\$ 8.29	1.39
Commercial Pilots							\$ 215.8	\$ 67.2	31.1%						
Finance Costs							\$ -	\$ -	0.0%						
Commercial Workforce Development							\$ 67.5	\$ -							
Community Based Initiatives - C&I							\$ 28.3	\$ 2.9	10.1%						
<b>SUBTOTAL</b>	<b>210,760</b>	<b>197,863</b>	<b>93.9%</b>	<b>1,056</b>	<b>367</b>	<b>34.8%</b>	<b>\$ 9,507.6</b>	<b>\$ 8,576.2</b>	<b>90.2%</b>	<b>2,344,192</b>	<b>2,094,388</b>	<b>89.3%</b>	<b>\$ 4.06</b>	<b>\$ 4.09</b>	<b>98.93</b>
<b>Income Eligible Residential</b>															
Single Family - Income Eligible Services	10,942	6,481	59.2%	1,098	508	46.3%	\$ 6,371.8	\$ 4,497.5	70.6%	218,847	129,628	59.2%	\$ 29.12	\$ 34.70	3.24
Income Eligible Multifamily	14,700	9,525	64.8%	3,150	1,717	54.5%	\$ 2,948.9	\$ 3,085.7	104.6%	273,085	235,706	86.3%	\$ 10.80	\$ 13.09	4.76
<b>SUBTOTAL</b>	<b>25,642</b>	<b>16,006</b>	<b>62.4%</b>	<b>4,248</b>	<b>2,225</b>	<b>52.4%</b>	<b>\$ 9,320.7</b>	<b>\$ 7,583.3</b>	<b>81.4%</b>	<b>491,932</b>	<b>365,334</b>	<b>74.3%</b>	<b>\$ 18.95</b>	<b>\$ 20.76</b>	<b>8.00</b>
<b>Non-Income Eligible Residential</b>															
Energy Star® HVAC	26,740	24,189	90.5%	3,062	2,540	83.0%	\$ 3,732.5	\$ 2,453.2	65.7%	439,717	391,435	89.0%	\$ 8.49	\$ 6.27	12.09
EnergyWise	20,850	22,391	107.4%	1,761	3,548	201.5%	\$ 8,645.9	\$ 9,083.4	105.1%	478,550	526,451	110.0%	\$ 18.07	\$ 17.25	11.20
EnergyWise Multifamily	8,279	2,373	28.7%	4,000	174	4.4%	\$ 1,489.2	\$ 547.6	36.8%	147,064	52,679	35.8%	\$ 10.13	\$ 10.39	1.19
Home Energy Reports	93,548	115,975	124.0%	152,324	143,487	94.2%	\$ 441.8	\$ 379.4	85.9%	93,548	115,975	124.0%	\$ 4.72	\$ 3.27	57.99
Residential New Construction	3,610	4,764	132.0%	289	282	97.4%	\$ 513.2	\$ 591.8	115.3%	64,899	96,022	148.0%	\$ 7.91	\$ 6.16	2.38
Comprehensive Marketing - Residential							\$ 68.0	\$ 0.0	0.0%						
Community Based Initiatives - Residential							\$ 85.0	\$ 73.0	85.9%						
<b>SUBTOTAL</b>	<b>153,027</b>	<b>169,692</b>	<b>110.9%</b>	<b>161,436</b>	<b>150,032</b>	<b>92.9%</b>	<b>\$ 14,975.5</b>	<b>\$ 13,128.4</b>	<b>87.7%</b>	<b>1,223,778</b>	<b>1,182,562</b>	<b>96.6%</b>	<b>\$ 12.24</b>	<b>\$ 11.10</b>	<b>84.85</b>
<b>Regulatory</b>															
EERMC							\$ 515.0	\$ 124.0	24.1%						
OER							\$ 772.5	\$ 715.9	92.7%						
Rhode Island Infrastructure Bank							\$ 1,262.5	\$ 1,265.0	100.2%						
<b>SUBTOTAL</b>							<b>\$ 2,550.0</b>	<b>\$ 2,104.9</b>	<b>82.5%</b>						
<b>TOTAL</b>	<b>389,430</b>	<b>383,562</b>	<b>98.5%</b>	<b>166,740</b>	<b>152,624</b>	<b>91.5%</b>	<b>\$ 36,353.9</b>	<b>\$ 31,392.8</b>	<b>86.4%</b>	<b>4,059,902</b>	<b>3,642,284</b>	<b>89.7%</b>	<b>\$ 8.95</b>	<b>\$ 8.62</b>	<b>191.78</b>

**Notes:**

- (1)(4)(7) and (10) Targets from Docket 5189, Attachment 6, Table G-7
- (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)
- (9) Pct Achieved is Column (8) / Column (7)
- (11) Year To Date Expenses includes implementation expenses; EERMC expenses reflects \$82,350 refund of unused funds from year-end 2021, per PUC Order 24440, issued July 11, 2022
- (12) Pct Achieved is Column (11) / Column (10)
- (13) Planned \$/lifetime MMBtu from Docket 5189, Attachment 6, Table G-5
- (14) Actual \$/lifetime MMBtu = Column (8)\*1000/Column (11)
- (15) Peak Hour Gas Demand Savings is a test metric and represents a rough approximation of peak-hour gas demand impacts

Rhode Island Energy Energy-Efficiency Programs  
Table G-2: Summary of 2022 EE Benefits (\$000)

			Natural Gas Benefits		Utility NEIs	Electric Capacity					Electric Energy					Non-Electric and Non-Gas			Societal		
	Total	Total (No Econ)	Natural Gas	Natural Gas DRIPE	Utility NEIs	Summer Generation	Capacity DRIPE	Trans	Dist	Reliability	Winter		Summer		Electric Energy DRIPE	Oil	Other Resource	Non Resource	Carbon	NOx	Economic
											Winter Peak	Winter Off Peak	Summer Peak	Summer Off Peak							
<b>Non-Income Eligible Residential</b>																					
EnergyWise	\$28,986.4	\$19,176.3	\$4,215.0	\$32.5	\$0.0	\$65.1	\$111.9	\$83.8	\$83.0	\$5.6	\$51.8	\$58.7	\$53.2	\$46.2	\$38.8	\$0.0	\$114.9	\$10,305.8	\$2,795.2	\$1,115.0	\$9,810.1
Energy Star® HVAC	\$8,916.2	\$6,536.6	\$3,120.6	\$34.6	\$0.0	-\$1.0	-\$2.2	-\$1.4	-\$1.4	-\$0.1	-\$6.9	-\$6.0	-\$1.6	-\$1.3	-\$4.3	\$0.0	\$88.0	\$352.1	\$2,499.7	\$467.8	\$2,379.6
EnergyWise Multifamily	\$3,216.7	\$2,285.9	\$367.3	\$3.4	\$0.0	\$1.0	\$2.0	\$1.3	\$1.3	\$0.1	\$0.1	\$0.1	\$0.7	\$0.6	\$0.3	\$0.0	\$19.2	\$1,424.5	\$263.5	\$200.6	\$930.9
Home Energy Reports	\$2,539.2	\$2,114.3	\$898.5	\$31.3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1,113.2	\$71.4	\$424.9
Residential New Construction	\$3,349.2	\$3,148.0	\$767.5	\$6.9	\$1.1	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1,703.5	\$524.2	\$144.9	\$201.2
<b>Non-Income Eligible Residential SUBTOTAL</b>	<b>\$47,007.8</b>	<b>\$33,261.1</b>	<b>\$9,368.8</b>	<b>\$108.7</b>		<b>\$65.0</b>	<b>\$111.7</b>	<b>\$83.6</b>	<b>\$82.9</b>	<b>\$5.6</b>	<b>\$45.0</b>	<b>\$52.8</b>	<b>\$52.3</b>	<b>\$45.4</b>	<b>\$34.8</b>	<b>\$0.0</b>	<b>\$222.1</b>	<b>\$13,785.9</b>	<b>\$7,195.7</b>	<b>\$1,999.5</b>	<b>\$13,746.7</b>
<b>Income Eligible Residential</b>																					
Single Family - Income Eligible Services	\$12,402.1	\$7,679.7	\$1,036.2	\$9.3	\$52.1	\$13.9	\$27.7	\$18.3	\$18.1	\$1.4	\$17.0	\$19.9	\$10.8	\$9.5	\$13.6	\$0.0	\$0.0	\$5,484.4	\$775.2	\$172.2	\$4,722.4
Income Eligible Multifamily	\$10,470.5	\$5,471.6	\$1,146.3	\$13.6	\$2.8	\$1.3	\$4.0	\$1.8	\$1.7	\$0.2	\$0.2	\$0.1	\$0.9	\$0.7	\$0.6	\$0.0	\$14.6	\$3,209.4	\$955.6	\$117.7	\$4,998.9
<b>Income Eligible Residential SUBTOTAL</b>	<b>\$22,872.6</b>	<b>\$13,151.3</b>	<b>\$2,182.5</b>	<b>\$22.9</b>	<b>\$54.9</b>	<b>\$15.2</b>	<b>\$31.7</b>	<b>\$20.1</b>	<b>\$19.9</b>	<b>\$1.6</b>	<b>\$17.1</b>	<b>\$20.0</b>	<b>\$11.7</b>	<b>\$10.2</b>	<b>\$14.3</b>	<b>\$0.0</b>	<b>\$14.6</b>	<b>\$8,693.8</b>	<b>\$1,730.9</b>	<b>\$290.0</b>	<b>\$9,721.3</b>
<b>Commercial &amp; Industrial</b>																					
Large Commercial New Construction	\$24,552.9	\$22,571.8	\$4,512.5	\$64.7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.3	\$0.4	\$0.0	\$0.0	\$0.2	\$0.0	\$529.1	\$13,162.0	\$4,068.4	\$234.2	\$1,981.1
Large Commercial Retrofit	\$49,614.9	\$39,284.2	\$9,468.9	\$205.7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$18,978.2	\$9,679.1	\$952.2	\$10,330.7
Small Business Direct Install	\$1,723.1	\$1,140.9	\$500.1	\$6.3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$161.8	\$0.0	\$431.1	\$41.6	\$582.3
Commercial & Industrial Multifamily	\$1,625.4	\$864.7	\$342.0	\$4.1	\$0.0	\$3.0	\$8.9	\$4.1	\$4.0	\$0.4	\$0.4	\$0.2	\$2.1	\$1.7	\$1.4	\$0.0	\$18.5	\$144.4	\$285.8	\$43.6	\$760.7
<b>Commercial &amp; Industrial SUBTOTAL</b>	<b>\$77,516.3</b>	<b>\$63,861.5</b>	<b>\$14,823.5</b>	<b>\$280.8</b>	<b>\$0.0</b>	<b>\$3.0</b>	<b>\$8.9</b>	<b>\$4.1</b>	<b>\$4.0</b>	<b>\$0.4</b>	<b>\$0.7</b>	<b>\$0.6</b>	<b>\$2.1</b>	<b>\$1.7</b>	<b>\$1.6</b>	<b>\$0.0</b>	<b>\$709.4</b>	<b>\$32,284.7</b>	<b>\$14,464.4</b>	<b>\$1,271.6</b>	<b>\$13,654.8</b>
<b>Grand Total</b>	<b>\$147,396.7</b>	<b>\$110,273.9</b>	<b>\$26,374.8</b>	<b>\$412.4</b>	<b>\$56.1</b>	<b>\$83.2</b>	<b>\$152.3</b>	<b>\$107.8</b>	<b>\$106.8</b>	<b>\$7.6</b>	<b>\$62.8</b>	<b>\$73.4</b>	<b>\$66.0</b>	<b>\$57.4</b>	<b>\$50.7</b>	<b>\$0.0</b>	<b>\$946.1</b>	<b>\$54,764.4</b>	<b>\$23,390.9</b>	<b>\$3,561.1</b>	<b>\$37,122.8</b>

**Rhode Island Energy Energy-Efficiency Programs**  
**Table G-2A: Summary of Value and MMBTU Saved by Program**  
**2022 Program Year**

	Value (\$000)					MMBTU Gas Saved	
	(1) Total Value	(2) Natural Gas Benefits	(3) Non-Gas Benefits	(4) Economic Benefits	(5) NOx Benefits	(6) Annual	(7) Lifetime
<b>Commercial &amp; Industrial</b>							
Large Commercial New Construction	\$24,553	\$4,577	\$17,760	\$1,981	\$234	44,398	581,376
Large Commercial Retrofit	\$49,615	\$9,675	\$28,657	\$10,331	\$952	146,383	1,374,881
Commercial & Industrial Multifamily	\$1,625	\$346	\$475	\$761	\$44	2,771	59,175
Small Business Direct Install	\$1,723	\$506	\$593	\$582	\$42	4,311	78,956
<b>SUBTOTAL</b>	<b>\$77,516</b>	<b>\$15,104</b>	<b>\$47,486</b>	<b>\$13,655</b>	<b>\$1,272</b>	<b>197,863</b>	<b>2,094,388</b>
<b>Income Eligible Residential</b>							
Single Family - Income Eligible Services	\$12,402	\$1,046	\$6,462	\$4,722	\$172	6,481	129,628
Income Eligible Multifamily	\$10,470	\$1,160	\$4,194	\$4,999	\$118	9,525	235,706
<b>SUBTOTAL</b>	<b>\$22,873</b>	<b>\$2,205</b>	<b>\$10,656</b>	<b>\$9,721</b>	<b>\$290</b>	<b>16,006</b>	<b>365,334</b>
<b>Non-Income Eligible Residential</b>							
Energy Star <sup>®</sup> HVAC	\$8,916	\$3,155	\$2,914	\$2,380	\$468	24,189	391,435
EnergyWise	\$28,986	\$4,248	\$13,814	\$9,810	\$1,115	22,391	526,451
EnergyWise Multifamily	\$3,217	\$371	\$1,715	\$931	\$201	2,373	52,679
Home Energy Reports	\$2,539	\$930	\$1,113	\$425	\$71	115,975	115,975
Residential New Construction	\$3,349	\$774	\$2,229	\$201	\$145	4,764	96,022
<b>SUBTOTAL</b>	<b>\$47,008</b>	<b>\$9,478</b>	<b>\$21,784</b>	<b>\$13,747</b>	<b>\$2,000</b>	<b>169,692</b>	<b>1,182,562</b>
<b>TOTAL</b>	<b>\$147,397</b>	<b>\$26,787</b>	<b>\$79,926</b>	<b>\$37,123</b>	<b>\$3,561</b>	<b>383,562</b>	<b>3,642,284</b>

**Rhode Island Energy Energy-Efficiency Programs**  
**Table G-3: Summary of B/C Ratios, Value and Costs (\$000's)**  
**2022 Program Year**

	(1)	(2)	(3)	(4)	(5)
	Benefit/ Cost	Total Value	Program Implementation Expenses	Customer Contribution	Shareholder Incentive
<b>Commercial &amp; Industrial</b>					
Large Commercial New Construction	7.47	\$22,571.8	\$2,677.1	\$345.8	
Large Commercial Retrofit	4.80	\$39,284.2	\$4,919.4	\$3,269.5	
Small Business Direct Install	2.16	\$1,140.9	\$418.9	\$109.6	
Commercial & Industrial Multifamily	1.76	\$864.7	\$490.8	\$0.0	
Commercial Pilots			\$67.2		
Finance Costs			\$0.0		
Community Based Initiatives - C&I			\$2.9		
<b>SUBTOTAL</b>	<b>4.90</b>	<b>\$63,861.5</b>	<b>\$8,576.2</b>	<b>\$3,724.9</b>	<b>\$720.1</b>
<b>Income Eligible Residential</b>					
Single Family - Income Eligible Services	1.71	\$7,679.7	\$4,497.5	\$0.0	
Income Eligible Multifamily	1.77	\$5,471.6	\$3,085.7	\$0.0	
<b>SUBTOTAL</b>	<b>1.77</b>	<b>\$13,151.3</b>	<b>\$7,583.3</b>	<b>\$0.0</b>	<b>-\$171.3</b>
<b>Non-Income Eligible Residential</b>					
Energy Star® HVAC	1.23	\$6,536.6	\$2,453.2	\$2,865.4	
EnergyWise	2.01	\$19,176.3	\$9,083.4	\$476.5	
EnergyWise Multifamily	4.17	\$2,285.9	\$547.6	\$0.0	
Home Energy Reports	5.57	\$2,114.3	\$379.4	\$0.0	
Residential New Construction	2.16	\$3,148.0	\$591.8	\$863.5	
Community Based Initiatives - Residential			\$73.0		
Comprehensive Marketing - Residential			\$0.0		
<b>SUBTOTAL</b>	<b>1.92</b>	<b>\$33,261.1</b>	<b>\$13,128.4</b>	<b>\$4,205.4</b>	<b>-\$49.1</b>
<b>Regulatory</b>					
EERMC			\$124.0		
OER			\$715.9		
Rhode Island Infrastructure Bank			\$1,265.0		
<b>SUBTOTAL</b>			<b>\$2,104.9</b>		
<b>TOTAL</b>	<b>2.77</b>	<b>\$110,273.9</b>	<b>\$31,392.8</b>	<b>\$7,930.3</b>	<b>\$499.7</b>

**Notes:**

- (1) RI Test B/C Ratio = (Natural Gas + Capacity + Energy + Utility NEIs + Non Electric + Societal) / (Program Implementation + Customer Contribution + Shareholder Incentive)
- (2) Year-End Value Total from Table G-2.
- (3) Year-End Implementation Expenses by Program from Table G-1.
- (4) For the Income Eligible Multifamily program, there are some circumstances where a customer co-pay is charged. If the facility is owned by a for-profit company and there are custom measures being installed that cannot be supported by the program budget a co-pay will be negotiated with the customer.
- (5) The shareholder incentive column includes PIM payouts and assessed SQA from Table 4c.

**Rhode Island Energy Efficiency Programs**  
**Table 4A: Actual Gas PIM Benefits, Allocations, and Categorization**  
**2022 Program Year**

Sector	Natural Gas Benefits		Utility NEIs	Electric Capacity					Electric Energy				Non-Electric and Non-Gas			Societal			
	Natural Gas	Natural Gas DRIPE	Utility NEIs	Summer Generation	Capacity DRIPE	Trans	Dist	Reliability	Winter		Summer		Electric Energy DRIPE	Oil	Other Resource	Non Resource	Carbon	NOx	Economic
									Winter Peak	Winter Off Peak	Summer Peak	Summer Off Peak							
Non-Income Eligible Residential	\$9,368,842	\$108,664	\$1,131	\$64,973	\$111,680	\$83,645	\$82,874	\$5,595	\$45,032	\$52,790	\$52,321	\$45,447	\$34,849	\$0	\$222,102	\$13,785,928	\$7,195,706	\$1,999,527	\$13,746,713
Income Eligible Residential	\$2,182,497	\$22,928	\$54,947	\$15,223	\$31,678	\$20,052	\$19,867	\$1,587	\$17,129	\$20,003	\$11,659	\$10,247	\$14,269	\$0	\$14,600	\$8,693,798	\$1,730,855	\$289,958	\$9,721,298
Commercial & Industrial	\$14,823,494	\$280,786	\$0	\$3,015	\$8,939	\$4,079	\$4,041	\$448	\$669	\$580	\$2,053	\$1,716	\$1,630	\$0	\$709,425	\$32,284,663	\$14,464,364	\$1,271,625	\$13,654,801
Included in PIM? (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	N
Percent Application in PIM	100%	100%	100%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	0%	0%	0%	0%
Category	Gas Utility System Benefits	Gas Utility System Benefits	Gas Utility System Benefits	Resource Benefits	Resource Benefits	Resource Benefits	Resource Benefits	Resource Benefits	Resource Benefits	Resource Benefits	Resource Benefits	Resource Benefits	Resource Benefits	Resource Benefits	Resource Benefits	NA	NA	NA	NA

**Rhode Island Energy Energy-Efficiency Programs**  
**Table 4B: Actual Gas PIM Costs**  
**2022 Program Year**

<b>Sector</b>	<b>Eligible Spending Budget (from Table E-3)</b>	<b>Regulatory Costs</b>
Non-Income Eligible Residential	\$13,128,411	\$701,643
Income Eligible Residential	\$7,583,261	\$701,643
Commercial & Industrial	\$8,509,075	\$701,643
Included in PIM? (Y/N)	Y	Y
Percent Application in PIM	100%	100%

**Rhode Island Energy Energy-Efficiency Programs**  
**Table 4C: PIM and SQA Summary**  
**2022 Program Year**

Sector	Inputs (\$)							
	Gas Utility System Benefits	Resource Benefits	Achieved Total Benefits	Achieved Costs	Achieved Net Benefits	Planned Total Benefits	Planned Total Costs	Planned Net Benefits
Non-Income Eligible Residential	\$9,478,638	\$400,654	\$9,879,292	\$13,830,054	-\$3,950,763	\$10,986,752	\$15,634,246	-\$4,647,493
Income Eligible Residential	\$2,260,372	\$88,157	\$2,348,529	\$8,284,903	-\$5,936,374	\$4,713,513	\$10,076,804	-\$5,363,291
Commercial & Industrial	\$15,104,280	\$368,297	\$15,472,577	\$9,210,718	\$6,261,860	\$18,493,944	\$9,948,068	\$8,545,876

Sector	PIM (\$)						
	Design Performance Achievement	Achieved Net Benefits / Design Performance Achievement	Achieved / Planned Costs	Planned Performance Incentive	Payout Rate	Payout Cap	Earned Performance Incentive
Non-Income Eligible Residential	\$2,000,000	-197.54%	88.46%	\$500,000	25.00%	\$625,000	\$0
Income Eligible Residential	\$2,000,000	-296.82%	82.22%	\$500,000	25.00%	\$625,000	\$0
Commercial & Industrial	\$8,545,876	73.27%	92.59%	\$1,000,000	11.70%	\$1,250,000	\$720,084

Sector	SQA (\$)				
	Design Service Achievement	Service Achievement	Maximum Service Adjustment	Service Quality Adjustment Amount	% of Maximum Service Quality Adjustment Applied
Non-Income Eligible Residential	\$10,986,752	89.92%	\$290,063	\$49,117	16.93%
Income Eligible Residential	\$4,713,513	49.83%	\$171,275	\$171,275	100.00%
Commercial & Industrial	\$18,493,944	83.66%	N/A	N/A	N/A



**Rhode Island Energy Energy-Efficiency Programs**  
**Table 5: Overall Analysis of Energy Efficiency Fund Balance**

	<b>JANUARY</b>	<b>FEBRUARY</b>	<b>MARCH</b>	<b>APRIL</b>	<b>MAY</b>	<b>JUNE</b>	<b>TOTAL</b>
1. Start Of Period Balance	<b>(\$5,554,739)</b>	<b>(\$1,313,796)</b>	\$1,567,269	\$6,136,588	\$6,706,903	\$7,404,314	<b>(\$5,554,739)</b>
2. Revenue	\$4,755,558	\$5,218,025	\$6,137,628	\$3,580,886	\$2,796,179	\$1,498,382	\$23,986,658
3. Monthly EE Expenses	\$511,039	\$2,337,091	\$1,572,704	\$3,018,593	\$2,110,165	\$929,700	\$10,479,293
4. Cash Flow Over/(Under)	\$4,244,519	\$2,880,933	\$4,564,923	\$562,293	\$686,014	\$568,682	\$13,507,365
5. End Of Period Balance Before Interest	<b>(\$1,310,220)</b>	\$1,567,138	\$6,132,193	\$6,698,881	\$7,392,917	\$7,972,996	\$7,952,625
6. Interest	<b>(\$3,575)</b>	\$132	\$4,395	\$8,022	\$11,397	\$15,249	\$35,620
7. End Of Period Balance After Interest	<b>(\$1,313,796)</b>	\$1,567,269	\$6,136,588	\$6,706,903	\$7,404,314	\$7,988,245	\$7,988,245
	<b>JULY</b>	<b>AUGUST</b>	<b>SEPTEMBER</b>	<b>OCTOBER</b>	<b>NOVEMBER</b>	<b>DECEMBER</b>	<b>YEAR END TOTAL</b>
8. Start Of Period Balance	\$7,988,245	\$5,769,315	\$4,860,013	\$4,260,431	\$5,368,001	\$7,609,999	<b>(\$5,554,739)</b>
9. Revenue	\$1,363,556	\$1,192,389	\$1,130,406	\$2,238,457	\$3,619,792	\$6,114,544	\$39,645,800
10. Monthly EE Expenses	\$3,598,803	\$2,117,169	\$1,744,141	\$1,147,907	\$1,404,398	\$10,901,061	\$31,392,772
11. Cash Flow Over/(Under)	<b>(\$2,235,248)</b>	<b>(\$924,781)</b>	<b>(\$613,735)</b>	\$1,090,550	\$2,215,394	<b>(\$4,786,516)</b>	\$8,253,029
12. End Of Period Balance Before Interest	\$5,752,998	\$4,844,535	\$4,246,278	\$5,350,981	\$7,583,395	\$2,823,483	\$2,698,289
13. Interest	\$16,318	\$15,479	\$14,153	\$17,020	\$26,604	\$22,910	\$148,104
14. End Of Period Balance After Interest	\$5,769,315	\$4,860,013	\$4,260,431	\$5,368,001	\$7,609,999	\$2,846,393	<b>\$2,846,393</b>
15. 2022 Incentive							<b>(\$128,696)</b>
16. Ending Balance after Incentive							<b>\$2,975,090</b>
17. Income Eligible Subsidization							<b>\$0</b>
18. Ending Balance after Subsidization							<b>\$2,975,090</b>
1. Previous year's ending balance							
2. Business Objects queries for revenues							
3. SAP queries for expenses							
4. Line 2 minus Line 3							
5. Line 1 plus Line 4							
6. Interest applied							
7. Line 5 plus Line 6							
8. Previous month's ending balance							
9. Business Objects queries for revenues							
10. SAP queries for expenses							
11. Line 9 minus Line 10							
12. Line 8 plus Line 11							
13. Interest applied							
14. Line 12 plus Line 13							
15. Estimated 2022 Incentive plus prior period true-ups							

## Rhode Island Energy Energy-Efficiency Programs

### Table 6: Company 2022 Revolving Loan Funds

Large C&I Gas Revolving Loan Fund			Rhode Island Public Energy Partnership (RI PEP) Gas		
<u>Income Statement</u>			<u>Income Statement</u>		
(1)	2022 Funds Available	\$1,035,330	(1)	2022 Funds Available	\$964
(2)	2022 Loan budget	\$2,000,000	(4)	Paid	\$0
(3)	Committed	\$335,100	(4a)	Funds Returned to OER	\$0
(4)	Paid	\$1,191,529	(5)	<u>Repayments</u>	<u>\$0</u>
(5)	<u>Repayments</u>	<u>\$747,616</u>	(6)	<u>Available 12/31/21</u>	<u>\$964</u>
(6)	<u>Available 12/31/22</u>	<u>\$256,317</u>	(7)	Outstanding loan volume	\$0
(7)	Outstanding loan volume	\$1,553,098	(8)	Loan defaults during period (\$)	\$0
(8)	Loan defaults during period (\$)	\$0	(9)	Arrears over 120 days at period end (\$)	\$0
(9)	Arrears over 120 days at period end (\$)	\$11,882			
<u>Program Impact</u>			<u>Program Impact</u>		
(10)	Number of loans	43	(10)	Number of loans	
(10b)	Participants	27	(10b)	Participants	0
(11)	Annual Savings (Gross MMBtu)	41,301	(11)	Savings (MMBtu)	0
(12)	Annual Savings (Net MMBtu)	38,143			
(13)	Lifetime Savings (Gross MMBtu)	498,668			
(14)	Lifetime Savings (Net MMBtu)	466,911			
(17)	Total associated incentive volume (\$)	\$2,092,274			
(18)	Total annual estimated energy cost savings (\$)	\$782,084			

**Notes:**

- 1 Amount available as of January 1, 2022. Includes line (6) "Available 12/31/21" plus line (3) "Committed" in Table E-6 and G-6 of the 2021 Year End Report.
- 2 Budget adopted by Sales Team for 2021 operations. Budget includes projections of repayments made during 2021.
- 3 As of December 31, 2022 Committed in 2022 but to be paid in 2023. Savings not included in 2022.
- 4 As of December 31, 2022. This includes all project paid in 2022 and the OBR associated with those projects. OBR payment are processed once the associated incentive has been paid, usually in batches.
- 5 As of December 31, 2022
- 6 Fund balance as of December 31, 2022. 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 December 31, 2022.
- 10 As of December 31, 2022
- 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 December 31, 2022
- 12 As of December 31, 2022
- 13 As of December 31, 2022
- 14 As of December 31, 2022
- 15 As of December 31, 2022
- 16 As of December 31, 2022
- 17 Incentives paid out with loans.
- 18 Estimated energy cost savings to loan fund participants.



Attachment 2a  
Gas Costs Schedules

**Schedule 1 - Program and Sector Cost Summary**  
**DIRECT vs ALLOCATED**

	(a)		(b)		(c)		(d)		(e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (o) (p)											
	TOTAL SPLIT 1		TOTALS				TOTAL SPLIT 2		DIRECT COSTS					ALLOCATED COSTS						
	DIRECT vs ALLOCATED		Cost of services and product rebates/incentives provided to customers vs. Other Costs <sup>(1)</sup>				Cost of services and product rebates/incentives provided to customers		NO INCENTIVE <sup>(2)</sup>					Cost of services and product rebates/incentives provided to customers						
	DIRECT		ALLOCATED		Other Costs		Other Costs		Rhode Island Energy Direct Labor & Employee Expense		Rhode Island Energy Direct Labor & Employee Expense		Rhode Island Energy Allocated Labor & Employee Expense		Rhode Island Energy Allocated Labor & Employee Expense		Rhode Island Energy Allocated Labor & Employee Expense		Rhode Island Energy Allocated Labor & Employee Expense	
	Total Costs	DIRECT	ALLOCATED						Rhode Island Energy Direct Labor & Employee Expense	Direct External	Direct "Not Labor, Expense, External"	Rhode Island Energy Direct Labor & Employee Expense	Direct External	Direct "Not Labor, Expense, External"	Rhode Island Energy Allocated Labor & Employee Expense	Allocated External	Allocated "Not Labor, Expense, External"	Rhode Island Energy Allocated Labor & Employee Expense	Allocated External	Allocated "Not Labor, Expense, Vendor"
1 Residential New Construction (Gas)	\$591,799	\$538,418	\$53,381	\$422,543	\$169,257				\$9,719	\$106,156	\$0	\$0	\$422,543	\$0	\$12,855	\$40,526	\$0	\$0	\$0	\$0
2 ENERGY STAR HVAC (Gas)	\$2,453,207	\$2,338,880	\$114,327	\$2,018,379	\$434,828				\$29,302	\$291,199	\$0	\$0	\$2,018,379	\$0	\$38,023	\$76,305	\$0	\$0	\$0	\$0
3 EnergyWise (Gas)	\$9,083,405	\$8,847,153	\$236,252	\$7,283,525	\$1,799,880				\$19,957	\$1,543,671	\$0	\$0	\$7,283,525	\$0	\$79,190	\$157,063	\$0	\$0	\$0	\$0
4 EnergyWise Multi Family (Gas)	\$547,569	\$489,272	\$58,297	\$316,064	\$231,505				\$11,608	\$161,600	\$0	\$0	\$316,064	\$0	\$19,560	\$38,737	\$0	\$0	\$0	\$0
5 Home Energy Reports (Gas)	\$379,415	\$364,337	\$15,078	\$75,586	\$303,829				\$184	\$288,567	\$0	\$0	\$75,586	\$0	\$6,900	\$8,178	\$0	\$0	\$0	\$0
6 Residential Pilots (Gas)	\$0	\$0	\$0	\$0	\$0				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7 Community Based Initiatives - Residential (Gas)	\$5	\$5	\$0	\$0	\$5				\$5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8 Comprehensive Marketing Residential (Gas)	\$73,010	\$72,789	\$221	\$0	\$73,010				\$0	\$72,789	\$0	\$0	\$0	\$0	\$169	\$52	\$0	\$0	\$0	\$0
9 <b>Subtotal Non-Income Eligible Residential</b>	<b>\$13,128,411</b>	<b>\$12,650,854</b>	<b>\$477,557</b>	<b>\$10,116,096</b>	<b>\$3,012,315</b>				<b>\$70,775</b>	<b>\$2,463,983</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,116,096</b>	<b>\$0</b>	<b>\$156,696</b>	<b>\$320,861</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
10 Single Family - Income Eligible Services (gas)	\$4,497,515	\$4,332,578	\$164,937	\$3,450,792	\$1,046,723				\$6,782	\$875,005	\$0	\$0	\$3,450,792	\$0	\$59,515	\$105,421	\$0	\$0	\$0	\$0
11 Income Eligible Multifamily (Gas)	\$3,085,745	\$2,995,983	\$89,763	\$2,548,833	\$536,912				\$6,403	\$440,746	\$0	\$0	\$2,548,833	\$0	\$30,219	\$59,544	\$0	\$0	\$0	\$0
12 <b>Subtotal Income Eligible Residential</b>	<b>\$7,583,261</b>	<b>\$7,328,561</b>	<b>\$254,700</b>	<b>\$5,999,625</b>	<b>\$1,583,635</b>				<b>\$13,185</b>	<b>\$1,315,751</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,999,625</b>	<b>\$0</b>	<b>\$89,734</b>	<b>\$164,965</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
13 Large Commercial New Construction (Gas)	\$2,677,123	\$2,407,638	\$269,485	\$1,233,726	\$1,443,397				\$110,552	\$1,063,360	\$0	\$0	\$1,233,726	\$0	\$197,531	\$71,954	\$0	\$0	\$0	\$0
14 Large Commercial Retrofit (Gas)	\$4,919,401	\$4,449,371	\$470,030	\$3,126,374	\$1,793,027				\$232,897	\$1,090,099	\$0	\$0	\$3,126,374	\$0	\$319,304	\$150,726	\$0	\$0	\$0	\$0
15 Small Business Direct Install (Gas)	\$418,898	\$403,149	\$15,749	\$376,283	\$42,615				\$11,252	\$15,613	\$0	\$0	\$376,283	\$0	\$10,541	\$5,208	\$0	\$0	\$0	\$0
16 Commercial Pilots (Gas)	\$67,165	\$67,165	\$0	\$66,836	\$329				\$329	\$0	\$0	\$66,836	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17 Community Based Initiatives - C&I (Gas)	\$2,866	\$2,866	\$0	\$0	\$2,866				\$2,859	\$7	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18 Commercial & Industrial Multifamily (Gas)	\$490,788	\$430,170	\$60,618	\$336,918	\$153,869				\$7,034	\$86,217	\$0	\$0	\$336,918	\$0	\$37,995	\$22,623	\$0	\$0	\$0	\$0
19 Finance Costs (Gas)	\$1,265,000	\$1,265,000	\$0	\$1,265,000	\$0				\$0	\$0	\$0	\$1,265,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20 <b>Subtotal Commercial &amp; Industrial</b>	<b>\$9,841,240</b>	<b>\$9,025,358</b>	<b>\$815,882</b>	<b>\$6,405,138</b>	<b>\$3,436,102</b>				<b>\$364,923</b>	<b>\$2,255,297</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,405,138</b>	<b>\$0</b>	<b>\$565,371</b>	<b>\$250,511</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
21 OER (Gas)	\$715,917	\$715,917	\$0	\$0	\$715,917				\$0	\$715,917	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22 EERMC (Gas) <sup>(3)</sup>	\$124,012	\$124,012	\$0	\$0	\$124,012				\$0	\$124,012	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23 <b>Subtotal Regulatory</b>	<b>\$839,929</b>	<b>\$839,929</b>	<b>\$0</b>	<b>\$0</b>	<b>\$839,929</b>				<b>\$0</b>	<b>\$839,929</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
24 <b>TOTAL All Sectors</b>	<b>\$31,392,841</b>	<b>\$29,844,702</b>	<b>\$1,548,139</b>	<b>\$22,520,859</b>	<b>\$8,871,981</b>				<b>\$448,883</b>	<b>\$6,874,960</b>	<b>\$0</b>	<b>\$0</b>	<b>\$22,520,859</b>	<b>\$0</b>	<b>\$811,802</b>	<b>\$736,337</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>OTHER COSTS NOT LISTED ABOVE (Gas)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>				<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

(1) In the 2020 Energy Efficiency Annual Plan filing, this cost category was referred to as "Rebates and Other Incentives"  
(2) These Costs do not include costs relating to the cost of services and product rebates/incentives provided to customers  
(3) These costs include a \$82,350.06 credit due to a refund from EERMC of past unspent funds.

**Schedule 1a - Program and Sector Cost Summary**

**By Report Category**

		(d) (Schedule 4) col a	(e) (Schedule 5) col a	(f) (Schedule 6) col a	(g) (Schedule 7) col a	(h) (Schedule 8) col a	
	<b>Total Costs</b>	Program Planning & Admin.	Marketing	Cost of services and product rebates/incentives provided to customers (1)	STAT	Evaluation & Research	
1	Residential New Construction (Gas)	\$591,799	\$42,551	\$4	\$422,543	\$95,357	\$31,344
2	ENERGY STAR HVAC (Gas)	\$2,453,207	\$114,396	\$209,928	\$2,018,379	\$86,285	\$24,220
3	EnergyWise (Gas)	\$9,083,405	\$224,725	\$37,231	\$7,283,525	\$1,465,660	\$72,265
4	EnergyWise Multi Family (Gas)	\$547,569	\$65,448	\$70,691	\$316,064	\$76,664	\$18,703
5	Home Energy Reports (Gas)	\$379,415	\$10,899	\$0	\$75,586	\$292,344	\$586
6	Residential Pilots (Gas)	\$0	\$0	\$0	\$0	\$0	\$0
7	Community Based Initiatives - Residential (Gas)	\$5	\$5	\$0	\$0	\$0	\$0
8	Comprehensive Marketing Residential (Gas)	\$73,010	\$79	\$72,931	\$0	\$0	\$0
9	<b>Subtotal Non-Income Eligible Residential</b>	<b>\$13,128,411</b>	<b>\$458,102</b>	<b>\$390,785</b>	<b>\$10,116,096</b>	<b>\$2,016,310</b>	<b>\$147,118</b>
10	Single Family - Income Eligible Services (gas)	\$4,497,515	\$154,165	\$30,640	\$3,450,792	\$833,123	\$28,795
11	Income Eligible Multifamily (Gas)	\$3,085,745	\$87,868	\$1,813	\$2,548,833	\$420,826	\$26,405
12	<b>Subtotal Income Eligible Residential</b>	<b>\$7,583,261</b>	<b>\$242,033</b>	<b>\$32,453</b>	<b>\$5,999,625</b>	<b>\$1,253,949</b>	<b>\$55,200</b>
13	Large Commercial New Construction (Gas)	\$2,677,123	\$96,744	\$104,390	\$1,233,726	\$1,116,178	\$126,084
14	Large Commercial Retrofit (Gas)	\$4,919,401	\$239,680	\$186,812	\$3,126,374	\$1,243,766	\$122,768
15	Small Business Direct Install (Gas)	\$418,898	\$7,727	\$21,041	\$376,283	\$13,338	\$509
16	Commercial Pilots (Gas)	\$67,165	\$0	\$0	\$66,836	\$329	\$0
17	Community Based Initiatives - C&I (Gas)	\$2,866	\$0	\$0	\$0	\$2,866	\$0
18	Commercial & Industrial Multifamily (Gas)	\$490,788	\$36,929	\$24,995	\$336,918	\$83,366	\$8,579
19	Finance Costs (Gas)	\$1,265,000	\$0	\$0	\$1,265,000	\$0	\$0
20	<b>Subtotal Commercial &amp; Industrial</b>	<b>\$9,841,240</b>	<b>\$381,080</b>	<b>\$337,239</b>	<b>\$6,405,138</b>	<b>\$2,459,844</b>	<b>\$257,940</b>
21	OER (Gas)	\$715,917	\$715,917	\$0	\$0	\$0	\$0
22	EERMC (Gas)	\$124,012	\$124,012	\$0	\$0	\$0	\$0
23	<b>Subtotal Regulatory</b>	<b>\$839,929</b>	<b>\$839,929</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
24	<b>TOTAL All Sectors</b>	<b>\$31,392,841</b>	<b>\$1,921,144</b>	<b>\$760,477</b>	<b>\$22,520,859</b>	<b>\$5,730,102</b>	<b>\$460,258</b>
	<b>OTHER COSTS NOT LISTED ABOVE (Gas)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Schedule 2 - Labor and Employee Expenses**

	(a) (b)+(c)	(b) (e)+(h)	(c) (f)+(i)	(d) (e)+(f)	(e)	(f)	(g) (h)+(i)	(h)	(i)
	<b>Total Rhode Island Energy Labor + Expenses</b>	Rhode Island Energy Direct Labor + Expenses	Rhode Island Energy Allocated Labor + Expenses	<b>Total Rhode Island Energy Labor</b>	Rhode Island Energy Direct Labor	Rhode Island Energy Allocated Labor	<b>Total Rhode Island Energy Employee Expenses</b>	Rhode Island Energy Direct Employee Expenses	Rhode Island Energy Allocated Employee Expenses
1 Residential New Construction (Gas)	\$22,574	\$9,719	\$12,855	\$22,438	\$9,703	\$12,734	\$137	\$16	\$121
2 ENERGY STAR HVAC (Gas)	\$67,324	\$29,302	\$38,023	\$66,949	\$29,272	\$37,676	\$376	\$29	\$346
3 EnergyWise (Gas)	\$99,147	\$19,957	\$79,190	\$98,310	\$19,950	\$78,361	\$836	\$8	\$829
4 EnergyWise Multi Family (Gas)	\$31,168	\$11,608	\$19,560	\$29,892	\$10,516	\$19,376	\$1,276	\$1,092	\$184
5 Home Energy Reports (Gas)	\$7,084	\$184	\$6,900	\$6,957	\$184	\$6,773	\$126	\$0	\$126
6 Residential Pilots (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7 Community Based Initiatives - Residential (Gas)	\$5	\$5	\$0	\$5	\$5	\$0	\$0	\$0	\$0
8 Comprehensive Marketing Residential (Gas)	\$169	\$0	\$169	\$169	\$0	\$169	\$0	\$0	\$0
9 <b>Subtotal Non-Income Eligible Residential</b>	<b>\$227,471</b>	<b>\$70,775</b>	<b>\$156,696</b>	<b>\$224,719</b>	<b>\$69,630</b>	<b>\$155,090</b>	<b>\$2,752</b>	<b>\$1,145</b>	<b>\$1,607</b>
10 Single Family - Income Eligible Services (gas)	\$66,297	\$6,782	\$59,515	\$65,620	\$6,782	\$58,839	\$677	\$0	\$677
11 Income Eligible Multifamily (Gas)	\$36,622	\$6,403	\$30,219	\$36,316	\$6,403	\$29,913	\$306	\$0	\$306
12 <b>Subtotal Income Eligible Residential</b>	<b>\$102,919</b>	<b>\$13,185</b>	<b>\$89,734</b>	<b>\$101,937</b>	<b>\$13,185</b>	<b>\$88,752</b>	<b>\$982</b>	<b>\$0</b>	<b>\$982</b>
13 Large Commercial New Construction (Gas)	\$308,083	\$110,552	\$197,531	\$301,975	\$107,082	\$194,893	\$6,107	\$3,469	\$2,638
14 Large Commercial Retrofit (Gas)	\$552,201	\$232,897	\$319,304	\$538,881	\$223,598	\$315,283	\$13,320	\$9,299	\$4,021
15 Small Business Direct Install (Gas)	\$21,793	\$11,252	\$10,541	\$21,662	\$11,252	\$10,410	\$131	\$0	\$131
16 Commercial Pilots (Gas)	\$329	\$329	\$0	\$329	\$329	\$0	\$0	\$0	\$0
17 Community Based Initiatives - C&I (Gas)	\$2,859	\$2,859	\$0	\$2,837	\$2,837	\$0	\$22	\$22	\$0
18 Commercial & Industrial Multifamily (Gas)	\$45,029	\$7,034	\$37,995	\$44,596	\$7,034	\$37,562	\$433	\$0	\$433
19 Finance Costs (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20 <b>Subtotal Commercial &amp; Industrial</b>	<b>\$930,294</b>	<b>\$364,923</b>	<b>\$565,371</b>	<b>\$910,280</b>	<b>\$352,133</b>	<b>\$558,148</b>	<b>\$20,014</b>	<b>\$12,791</b>	<b>\$7,223</b>
21 OER (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22 EERMC (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23 <b>Subtotal Regulatory</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
24 <b>TOTAL All Sectors</b>	<b>\$1,260,685</b>	<b>\$448,883</b>	<b>\$811,802</b>	<b>\$1,236,937</b>	<b>\$434,947</b>	<b>\$801,989</b>	<b>\$23,748</b>	<b>\$13,936</b>	<b>\$9,812</b>
<b>OTHER COSTS NOT LISTED ABOVE (Gas)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Schedule 3 - Expenses Categorized as Vendor Costs in Company's Systems1**

	(a)	(b)	(c) (a) - (b)	(d)	(e)	(f) (d) + (e)	(g) (c) + (f)
	Total Costs of Services, Products, and Rebates Provided to Customers.2 (also referred to as "Rebates and Other Customer Incentives")	Rebate Payments Made Directly to Customers by Rhode Island Energy and Rebates Paid to PEX's to Whom Customer Rebates were Assigned	Payments to Service Vendors for Costs Relating to Services, Products, and Processing Rebates (excluding costs included in col. b)3	Direct "External Costs"4 from Vendor Services	"External Costs" from Vendors Originating from an Allocation	Total of Vendor Costs Categorized as "External Costs" from Service Vendors (excluding costs included in columns a, b & c)	Total Costs from Service Vendors, Excluding Rebate Payments Made Directly to Customers by Rhode Island Energy
1 Residential New Construction (Gas)	\$422,543	\$0	\$422,543	\$106,156	\$40,526	\$146,682	\$569,225
2 ENERGY STAR HVAC (Gas)	\$2,018,379	\$0	\$2,018,379	\$291,199	\$76,305	\$367,504	\$2,385,883
3 EnergyWise (Gas)	\$7,283,525	\$0	\$7,283,525	\$1,543,671	\$157,063	\$1,700,734	\$8,984,258
4 EnergyWise Multi Family (Gas)	\$316,064	\$0	\$316,064	\$161,600	\$38,737	\$200,337	\$516,401
5 Home Energy Reports (Gas)	\$75,586	\$0	\$75,586	\$288,567	\$8,178	\$296,745	\$372,332
6 Residential Pilots (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7 Community Based Initiatives - Residential (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8 Comprehensive Marketing Residential (Gas)	\$0	\$0	\$0	\$72,789	\$52	\$72,842	\$72,842
9 <b>Subtotal Non-Income Eligible Residential</b>	<b>\$10,116,096</b>	<b>\$0</b>	<b>\$10,116,096</b>	<b>\$2,463,983</b>	<b>\$320,861</b>	<b>\$2,784,844</b>	<b>\$12,900,940</b>
10 Single Family - Income Eligible Services (gas)	\$3,450,792	\$0	\$3,450,792	\$875,005	\$105,421	\$980,426	\$4,431,218
11 Income Eligible Multifamily (Gas)	\$2,548,833	\$0	\$2,548,833	\$440,746	\$59,544	\$500,290	\$3,049,123
12 <b>Subtotal Income Eligible Residential</b>	<b>\$5,999,625</b>	<b>\$0</b>	<b>\$5,999,625</b>	<b>\$1,315,751</b>	<b>\$164,965</b>	<b>\$1,480,716</b>	<b>\$7,480,341</b>
13 Large Commercial New Construction (Gas)	\$1,233,726	\$0	\$1,233,726	\$1,063,360	\$71,954	\$1,135,314	\$2,369,040
14 Large Commercial Retrofit (Gas)	\$3,126,374	\$0	\$3,126,374	\$1,090,099	\$150,726	\$1,240,826	\$4,367,200
15 Small Business Direct Install (Gas)	\$376,283	\$0	\$376,283	\$15,613	\$5,208	\$20,821	\$397,105
16 Commercial Pilots (Gas)	\$66,836	\$0	\$66,836	\$0	\$0	\$0	\$66,836
17 Community Based Initiatives - C&I (Gas)	\$0	\$0	\$0	\$7	\$0	\$7	\$7
18 Commercial & Industrial Multifamily (Gas)	\$336,918	\$0	\$336,918	\$86,217	\$22,623	\$108,840	\$445,758
19 Finance Costs (Gas)	\$1,265,000	\$0	\$1,265,000	\$0	\$0	\$0	\$1,265,000
20 <b>Subtotal Commercial &amp; Industrial</b>	<b>\$6,405,138</b>	<b>\$0</b>	<b>\$6,405,138</b>	<b>\$2,255,297</b>	<b>\$250,511</b>	<b>\$2,505,808</b>	<b>\$8,910,946</b>
21 OER (Gas)	\$0	\$0	\$0	\$715,917	\$0	\$715,917	\$715,917
22 EERMC (Gas)	\$0	\$0	\$0	\$124,012	\$0	\$124,012	\$124,012
23 <b>Subtotal Regulatory</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$839,929</b>	<b>\$0</b>	<b>\$839,929</b>	<b>\$839,929</b>
24 <b>TOTAL All Sectors</b>	<b>\$22,520,859</b>	<b>\$0</b>	<b>\$22,520,859</b>	<b>\$6,874,960</b>	<b>\$736,337</b>	<b>\$7,611,297</b>	<b>\$30,132,156</b>
<b>OTHER COSTS NOT LISTED ABOVE (Gas)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<sup>1</sup> The Company's accounting system treats all payments made directly to customers and vendors as one category of vendor expenses. Rebates paid to customers through service contracts with vendors are included in the service cost of the vendor.

<sup>2</sup> Prior to 2020, this column was labeled as "Rebates and Other Customer Incentives" in annual reports and plans.

<sup>3</sup> This cost category includes service costs for customers plus rebates/incentives processed and paid to customers by the vendor, but excludes rebates paid directly to customers by the Company in col (b).

<sup>4</sup> The term "External Costs" has been used in Company reports to identify a subset of vendor costs not included in "Rebates and Other Customer Incentives".

<sup>5</sup> In the 2020 Year End Report, Home Energy Reports were categorized under column (c) in this schedule. Starting with the Year End Report, Home Energy Reports costs categorized under column (c) are now categorized under column (d).



**Schedule 4 - Program Planning & Administration**

	(a) (b)+(e)+(h)	(b) (c)+(d)	(c)	(d)	(e) (f)+(g)	(f)	(g)	(h) (i)+(j)	(i)	(j)	(h) (i)+(j)	(i)	(j)
	Total Costs	Total Rhode Island Energy Labor Costs	Rhode Island Energy Direct Labor	Rhode Island Energy Allocated Labor	Total Rhode Island Employee Expenses	Rhode Island Energy Direct Employee Expenses	Rhode Island Energy Allocated Employee Expenses	External Services Costs	Direct External Services Costs	External Services Costs Originating from an Allocation	Other Costs (if any)	Other Direct Costs	Other Costs Originating from an Allocation
1 Residential New Construction (Gas)	\$42,551	\$20,292	\$9,077	\$11,216	\$108	\$16	\$92	\$22,151	\$12	\$22,138	\$0	\$0	\$0
2 ENERGY STAR HVAC (Gas)	\$114,396	\$61,287	\$26,237	\$35,050	\$318	\$29	\$289	\$52,790	-\$16,392	\$69,183	\$0	\$0	\$0
3 EnergyWise (Gas)	\$224,725	\$87,998	\$19,037	\$68,961	\$569	\$0	\$569	\$136,159	\$41	\$136,118	\$0	\$0	\$0
4 EnergyWise Multi Family (Gas)	\$65,448	\$27,464	\$9,466	\$17,997	\$1,241	\$1,092	\$148	\$36,744	\$1,219	\$35,524	\$0	\$0	\$0
5 Home Energy Reports (Gas)	\$10,899	\$3,777	\$184	\$3,593	\$30	\$0	\$30	\$7,092	\$0	\$7,092	\$0	\$0	\$0
6 Residential Pilots (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7 Community Based Initiatives - Residential (Gas)	\$5	\$5	\$5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8 Comprehensive Marketing Residential (Gas)	\$79	\$27	\$0	\$27	\$0	\$0	\$0	\$52	\$0	\$52	\$0	\$0	\$0
9 Subtotal Non-Income Eligible Residential	\$458,102	\$200,849	\$64,006	\$136,843	\$2,266	\$1,137	\$1,128	\$254,988	-\$15,120	\$270,108	\$0	\$0	\$0
10 Single Family - Income Eligible Services (gas)	\$154,165	\$55,138	\$5,176	\$49,961	\$412	\$0	\$412	\$98,616	-\$1	\$98,616	\$0	\$0	\$0
11 Income Eligible Multifamily (Gas)	\$87,868	\$33,208	\$6,240	\$26,968	\$222	\$0	\$222	\$54,437	\$1,206	\$53,231	\$0	\$0	\$0
12 Subtotal Income Eligible Residential	\$242,033	\$88,346	\$11,416	\$76,930	\$634	\$0	\$634	\$153,053	\$1,205	\$151,848	\$0	\$0	\$0
13 Large Commercial New Construction (Gas)	\$96,744	\$41,473	\$53	\$41,420	\$140	\$6	\$134	\$55,132	\$0	\$55,132	\$0	\$0	\$0
14 Large Commercial Retrofit (Gas)	\$239,680	\$96,971	\$2,362	\$94,609	\$312	\$6	\$306	\$142,397	\$16,468	\$125,929	\$0	\$0	\$0
15 Small Business Direct Install (Gas)	\$7,727	\$3,310	\$0	\$3,310	\$11	\$0	\$11	\$4,406	\$0	\$4,406	\$0	\$0	\$0
16 Commercial Pilots (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17 Community Based Initiatives - C&I (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18 Commercial & Industrial Multifamily (Gas)	\$36,929	\$16,804	\$1,731	\$15,073	\$49	\$0	\$49	\$20,076	\$14	\$20,063	\$0	\$0	\$0
19 Finance Costs (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20 Subtotal Commercial & Industrial	\$381,080	\$158,559	\$4,147	\$154,412	\$511	\$12	\$499	\$222,011	\$16,481	\$205,529	\$0	\$0	\$0
21 OER (Gas)	\$715,917	\$0	\$0	\$0	\$0	\$0	\$0	\$715,917	\$715,917	\$0	\$0	\$0	\$0
22 EERMC (Gas)	\$124,012	\$0	\$0	\$0	\$0	\$0	\$0	\$124,012	\$124,012	\$0	\$0	\$0	\$0
23 Subtotal Regulatory	\$839,929	\$0	\$0	\$0	\$0	\$0	\$0	\$839,929	\$839,929	\$0	\$0	\$0	\$0
24 TOTAL All Sectors	\$1,921,144	\$447,754	\$79,569	\$368,184	\$3,411	\$1,150	\$2,261	\$1,469,980	\$842,495	\$627,485	\$0	\$0	\$0
OTHER COSTS NOT LISTED ABOVE (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Schedule 5 - Marketing**

	(a) (b)+(e)-(h)+(k)	(b) (c)+(d)	(c)	(d)	(e) (f)+(g)	(f)	(g)	(h) (i)+(j)	(i)	(j)	(k) (l)+(m)	(l)	(m)
	Total Costs	Total Rhode Island Energy Labor Costs	Rhode Island Energy Direct Labor	Rhode Island Energy Allocated Labor	Total Rhode Island Energy Employee Expenses	Rhode Island Energy Direct Employee Expenses	Rhode Island Energy Allocated Employee Expenses	External Services Costs	Direct External Services Costs	External Services Costs Originating from an Allocation	Other Costs (if any)	Other Direct Costs	Other Costs Originating from an Allocation
1 Residential New Construction (Gas)	\$4	\$4	\$0	\$4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2 ENERGY STAR HVAC (Gas)	\$209,928	\$503	\$71	\$432	\$0	\$0	\$0	\$209,425	\$209,425	\$0	\$0	\$0	\$0
3 EnergyWise (Gas)	\$37,231	\$759	\$611	\$149	\$0	\$0	\$0	\$36,471	\$36,471	\$0	\$0	\$0	\$0
4 EnergyWise Multi Family (Gas)	\$70,691	\$1,004	\$888	\$116	\$0	\$0	\$0	\$69,687	\$69,687	\$0	\$0	\$0	\$0
5 Home Energy Reports (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6 Residential Pilots (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7 Community Based Initiatives - Residential (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8 Comprehensive Marketing Residential (Gas)	\$72,931	\$142	\$0	\$142	\$0	\$0	\$0	\$72,789	\$72,789	\$0	\$0	\$0	\$0
<b>Subtotal Non-Income Eligible Residential</b>	<b>\$390,785</b>	<b>\$2,412</b>	<b>\$1,569</b>	<b>\$843</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$388,373</b>	<b>\$388,373</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
10 Single Family - Income Eligible Services (gas)	\$30,640	\$1,657	\$1,605	\$52	\$0	\$0	\$0	\$28,983	\$28,983	\$0	\$0	\$0	\$0
11 Income Eligible Multifamily (Gas)	\$1,813	\$18	\$0	\$18	\$0	\$0	\$0	\$1,795	\$1,795	\$0	\$0	\$0	\$0
<b>Subtotal Income Eligible Residential</b>	<b>\$32,453</b>	<b>\$1,675</b>	<b>\$1,605</b>	<b>\$70</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,778</b>	<b>\$30,778</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
13 Large Commercial New Construction (Gas)	\$104,390	\$13	\$0	\$13	\$0	\$0	\$0	\$104,377	\$104,377	\$0	\$0	\$0	\$0
14 Large Commercial Retrofit (Gas)	\$186,812	\$236	\$214	\$22	\$8	\$8	\$0	\$186,569	\$186,569	\$0	\$0	\$0	\$0
15 Small Business Direct Install (Gas)	\$21,041	\$5,706	\$5,704	\$3	\$0	\$0	\$0	\$15,334	\$15,334	\$0	\$0	\$0	\$0
16 Commercial Pilots (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17 Community Based Initiatives - C&I (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18 Commercial & Industrial Multifamily (Gas)	\$24,995	\$2	\$0	\$2	\$0	\$0	\$0	\$24,993	\$24,993	\$0	\$0	\$0	\$0
19 Finance Costs (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal Commercial &amp; Industrial</b>	<b>\$337,239</b>	<b>\$5,957</b>	<b>\$5,918</b>	<b>\$40</b>	<b>\$8</b>	<b>\$8</b>	<b>\$0</b>	<b>\$331,274</b>	<b>\$331,274</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
21 OER (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22 EERMC (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal Regulatory</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>TOTAL All Sectors</b>	<b>\$760,477</b>	<b>\$10,045</b>	<b>\$9,092</b>	<b>\$953</b>	<b>\$8</b>	<b>\$8</b>	<b>\$0</b>	<b>\$750,424</b>	<b>\$750,424</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>OTHER COSTS NOT LISTED ABOVE (Gas)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Schedule 6 - Cost of services and product rebates/incentives provided to customers (1)**

Annual threshold > \$100,000 for evaluation of allocation between Col. (b) vs. Col. (c)  
 Default Assumption, expenses allocated to Col. (c)

	(a) (b)+(c)	(b)	(c)	(d)
	Total payments for services and product rebates/incentives for customers which are paid directly to a customer or provided to customer via a vendor	Rebate/Incentive Payments Directly Paid to Customers	Payments for Services and Product Rebates/Incentives for customers which are made to vendors and then provided to customers	Description of External Payments
1 Residential New Construction (Gas)	\$422,543	\$0	\$422,543	Payments are made to external vendor(s) that are then used to provide rebates to customers for approved energy efficiency products that are installed in new customer dwellings. Payments also include a home performance testing service at no cost to the customer.
2 ENERGY STAR HVAC (Gas)	\$2,018,379	\$0	\$2,018,379	Payments are made to external vendor(s) that are then used to provide rebates to customers for approved energy efficiency HVAC products that are installed in rate payer customer dwellings.
3 EnergyWise (Gas)	\$7,283,525	\$0	\$7,283,525	Payments are made to external vendor(s) that are then used to discount approved energy efficiency products that are installed in single family customer dwellings. Payments also include a service to customers in the form of no cost energy assessments.
4 EnergyWise Multi Family (Gas)	\$316,064	\$0	\$316,064	Payments are made to external vendors that are then used to discount approved energy efficiency products that are installed in multifamily customer dwellings. Payments also include a service to customers in the form of no cost energy assessments.
5 Home Energy Reports (Gas)	\$75,586	\$0	\$75,586	Payments include costs associated with the delivery of the program. The HER program does not feature direct customer incentives or rebates. Instead the funds in this category are utilized in the production and delivery of Home Energy Reports. The costs associated with this effort are categorized as 'Rebates and Other Incentives' because the reports drive customer actions to change energy consumption behaviors, resulting in energy cost savings to those customers and benefits to all customers.
6 Residential Pilots (Gas)	\$0	\$0	\$0	N/A
7 Community Based Initiatives - Residential (Gas)	\$0	\$0	\$0	Payments can either be made directly to a community or payments can be made to external vendor(s) that are then used to discount approved energy efficiency products for communities participating in the Community Based Initiative.
8 Comprehensive Marketing Residential (Gas)	\$0	\$0	\$0	N/A
9 <b>Subtotal Non-Income Eligible Residential</b>	<b>\$10,116,096</b>	<b>\$0</b>	<b>\$10,116,096</b>	
10 Single Family - Income Eligible Services (gas)	\$3,450,792	\$0	\$3,450,792	Payments are made to external vendors that are then used to cover 100% of the cost for approved energy efficiency products that are installed in single family income eligible customer dwellings. Payments also include a no cost service to customers in the form of no cost energy assessments.
11 Income Eligible Multifamily (Gas)	\$2,548,833	\$0	\$2,548,833	Payments are made to external vendors that are then used to cover 100% of the cost for approved energy efficiency products that are installed in multifamily customer dwellings. Payments also include a no cost service to customers in the form of no cost energy assessments.
12 <b>Subtotal Income Eligible Residential</b>	<b>\$5,999,625</b>	<b>\$0</b>	<b>\$5,999,625</b>	
13 Large Commercial New Construction (Gas)	\$1,233,726	\$0	\$1,233,726	Payments are made to external vendor(s) that are then used to discount approved energy efficiency products that are installed in customer facilities. Payments are also made directly to customers for the installation of approved energy efficiency measures.
14 Large Commercial Retrofit (Gas)	\$3,126,374	\$0	\$3,126,374	Payments are made to external vendor(s) that are then used to discount approved energy efficiency products that are installed in customer facilities. Payments are also made directly to customers for the installation of approved energy efficiency measures.
15 Small Business Direct Install (Gas)	\$376,283	\$0	\$376,283	Payments are made to external vendor(s) that are then used to discount approved energy efficiency products that are installed in customer facilities. Payments are also made directly to customers for the installation of approved energy efficiency measures. Payments also include no cost services to customers including no cost energy assessments.
16 Commercial Pilots (Gas)	\$66,836	\$0	\$66,836	Incentive payments are made directly to customers for participation in this program.
17 Community Based Initiatives - C&I (Gas)	\$0	\$0	\$0	Payments can either be made directly to a municipality or payments can be made to external vendor(s) that are then used to discount approved energy efficiency products for communities participating in the Community Based Initiative.
18 Commercial & Industrial Multifamily (Gas)	\$336,918	\$0	\$336,918	N/A
19 Finance Costs (Gas)	\$1,265,000	\$0	\$1,265,000	N/A
20 <b>Subtotal Commercial &amp; Industrial</b>	<b>\$6,405,138</b>	<b>\$0</b>	<b>\$6,405,138</b>	
21 OER (Gas)	\$0	\$0	\$0	N/A
22 EERMC (Gas)	\$0	\$0	\$0	N/A
23 <b>Subtotal Regulatory</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
24 <b>TOTAL All Sectors</b>	<b>\$22,520,859</b>	<b>\$0</b>	<b>\$22,520,859</b>	
<b>OTHER COSTS NOT LISTED ABOVE (Gas)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

(1) In the 2020 Energy Efficiency Annual Plan filing, this cost category was referred to as "Rebates and Other Incentives"

**Schedule 7 - Sales, Technical Assistance & Training (STAT)**

	(a) (b)+(e)+(h)+(k)	(b) (c)+(d)	(c)	(d)	(e) (f)+(g)	(f)	(g)	(h) (i)+(j)	(i)	(j)	(k) (l)+(m)	(l)	(m)
	Total Costs	Total Rhode Island Energy Labor Costs	Rhode Island Energy Direct Labor	Rhode Island Energy Allocated Labor	Total Rhode Island Energy Employee Expenses	Rhode Island Energy Direct Employee Expenses	Rhode Island Energy Allocated Employee Expenses	External Services Costs	Direct External Services Costs	External Services Costs Originating from an Allocation	Other Costs any	Other Direct Costs	Other Costs Originating from an Allocation
1 Residential New Construction (Gas)	\$95,357	\$1,149	\$302	\$847	\$26	\$0	\$26	\$94,182	\$94,041	\$141	\$0	\$0	\$0
2 ENERGY STAR HVAC (Gas)	\$86,285	\$2,086	\$331	\$1,755	\$54	\$0	\$54	\$84,145	\$83,853	\$292	\$0	\$0	\$0
3 EnergyWise (Gas)	\$1,465,660	\$8,600	\$302	\$8,298	\$262	\$8	\$254	\$1,456,798	\$1,455,418	\$1,380	\$0	\$0	\$0
4 EnergyWise Multi Family (Gas)	\$76,664	\$1,135	\$0	\$1,135	\$35	\$0	\$35	\$75,494	\$75,305	\$189	\$0	\$0	\$0
5 Home Energy Reports (Gas)	\$292,344	\$3,156	\$0	\$3,156	\$97	\$0	\$97	\$289,092	\$288,567	\$525	\$0	\$0	\$0
6 Residential Pilots (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7 Community Based Initiatives - Residential (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8 Comprehensive Marketing Residential (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9 <b>Subtotal Non-Income Eligible Residential</b>	<b>\$2,016,310</b>	<b>\$16,127</b>	<b>\$935</b>	<b>\$15,192</b>	<b>\$473</b>	<b>\$8</b>	<b>\$466</b>	<b>\$1,999,710</b>	<b>\$1,997,183</b>	<b>\$2,526</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
10 Single Family - Income Eligible Services (gas)	\$833,123	\$8,596	\$0	\$8,596	\$263	\$0	\$263	\$824,263	\$822,833	\$1,430	\$0	\$0	\$0
11 Income Eligible Multifamily (Gas)	\$420,826	\$2,679	\$0	\$2,679	\$82	\$0	\$82	\$418,065	\$417,620	\$445	\$0	\$0	\$0
12 <b>Subtotal Income Eligible Residential</b>	<b>\$1,253,949</b>	<b>\$11,275</b>	<b>\$0</b>	<b>\$11,275</b>	<b>\$346</b>	<b>\$0</b>	<b>\$346</b>	<b>\$1,242,328</b>	<b>\$1,240,453</b>	<b>\$1,875</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
13 Large Commercial New Construction (Gas)	\$1,116,178	\$248,540	\$107,029	\$141,511	\$5,920	\$3,463	\$2,457	\$861,718	\$845,426	\$16,292	\$0	\$0	\$0
14 Large Commercial Retrofit (Gas)	\$1,243,766	\$433,044	\$221,047	\$211,997	\$12,966	\$9,285	\$3,681	\$797,756	\$773,349	\$24,407	\$0	\$0	\$0
15 Small Business Direct Install (Gas)	\$13,338	\$12,438	\$5,548	\$6,889	\$120	\$0	\$120	\$781	-\$12	\$793	\$0	\$0	\$0
16 Commercial Pilots (Gas)	\$329	\$329	\$329	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17 Community Based Initiatives - C&I (Gas)	\$2,866	\$2,837	\$2,837	\$0	\$22	\$22	\$0	\$7	\$7	\$0	\$0	\$0	\$0
18 Commercial & Industrial Multifamily (Gas)	\$83,366	\$27,207	\$5,142	\$22,066	\$383	\$0	\$383	\$55,776	\$53,235	\$2,540	\$0	\$0	\$0
19 Finance Costs (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20 <b>Subtotal Commercial &amp; Industrial</b>	<b>\$2,459,844</b>	<b>\$724,396</b>	<b>\$341,933</b>	<b>\$382,463</b>	<b>\$19,411</b>	<b>\$12,771</b>	<b>\$6,640</b>	<b>\$1,716,037</b>	<b>\$1,672,004</b>	<b>\$44,033</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
21 OER (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22 EERMC (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23 <b>Subtotal Regulatory</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
24 <b>TOTAL All Sectors</b>	<b>\$5,730,102</b>	<b>\$751,798</b>	<b>\$342,867</b>	<b>\$408,931</b>	<b>\$20,229</b>	<b>\$12,778</b>	<b>\$7,451</b>	<b>\$4,958,075</b>	<b>\$4,909,640</b>	<b>\$48,435</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>OTHER COSTS NOT LISTED ABOVE (Gas)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Schedule 8 - Evaluation & Market Research**

	(a) (b)+(e)+(h)+(k)	(b) (c)+(d)	(c)	(d)	(e) (f)+(g)	(f)	(g)	(h) (i)+(j)	(i)	(j)	(k) (l)+(m)	(l)	(m)
	Total Costs	Total Rhode Island Energy Labor Costs	Rhode Island Energy Direct Labor	Rhode Island Energy Allocated Labor	Total Rhode Island Energy Employee Expenses	Rhode Island Energy Direct Employee Expenses	Rhode Island Energy Allocated Employee Expenses	External Services Costs	Direct External Services Costs	External Services Costs Originating from an Allocation	Other Costs any	Other Direct Costs	Other Costs Originating from an Allocation
1 Residential New Construction (Gas)	\$31,344	\$992	\$325	\$667	\$2	\$0	\$2	\$30,350	\$12,103	\$18,247	\$0	\$0	\$0
2 ENERGY STAR HVAC (Gas)	\$24,220	\$3,072	\$2,633	\$439	\$4	\$0	\$4	\$21,144	\$14,313	\$6,830	\$0	\$0	\$0
3 EnergyWise (Gas)	\$72,265	\$953	\$0	\$953	\$6	\$0	\$6	\$71,306	\$51,741	\$19,564	\$0	\$0	\$0
4 EnergyWise Multi Family (Gas)	\$18,703	\$290	\$162	\$128	\$1	\$0	\$1	\$18,413	\$15,389	\$3,024	\$0	\$0	\$0
5 Home Energy Reports (Gas)	\$586	\$24	\$0	\$24	\$0	\$0	\$0	\$561	\$0	\$561	\$0	\$0	\$0
6 Residential Pilots (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7 Community Based Initiatives - Residential (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8 Comprehensive Marketing Residential (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9 <b>Subtotal Non-Income Eligible Residential</b>	<b>\$147,118</b>	<b>\$5,331</b>	<b>\$3,120</b>	<b>\$2,211</b>	<b>\$13</b>	<b>\$0</b>	<b>\$13</b>	<b>\$141,774</b>	<b>\$93,546</b>	<b>\$48,227</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
10 Single Family - Income Eligible Services (gas)	\$28,795	\$229	\$0	\$229	\$1	\$0	\$1	\$28,565	\$23,190	\$5,375	\$0	\$0	\$0
11 Income Eligible Multifamily (Gas)	\$26,405	\$412	\$163	\$249	\$1	\$0	\$1	\$25,992	\$20,125	\$5,867	\$0	\$0	\$0
12 <b>Subtotal Income Eligible Residential</b>	<b>\$55,200</b>	<b>\$640</b>	<b>\$163</b>	<b>\$478</b>	<b>\$2</b>	<b>\$0</b>	<b>\$2</b>	<b>\$54,557</b>	<b>\$43,315</b>	<b>\$11,242</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
13 Large Commercial New Construction (Gas)	\$126,084	\$11,949	\$0	\$11,949	\$48	\$0	\$48	\$114,087	\$113,557	\$530	\$0	\$0	\$0
14 Large Commercial Retrofit (Gas)	\$122,768	\$8,629	-\$25	\$8,655	\$35	\$0	\$35	\$114,104	\$113,714	\$390	\$0	\$0	\$0
15 Small Business Direct Install (Gas)	\$509	\$208	\$0	\$208	\$1	\$0	\$1	\$300	\$291	\$9	\$0	\$0	\$0
16 Commercial Pilots (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17 Community Based Initiatives - C&I (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18 Commercial & Industrial Multifamily (Gas)	\$8,579	\$582	\$161	\$421	\$2	\$0	\$2	\$7,995	\$7,975	\$20	\$0	\$0	\$0
19 Finance Costs (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20 <b>Subtotal Commercial &amp; Industrial</b>	<b>\$257,940</b>	<b>\$21,368</b>	<b>\$135</b>	<b>\$21,233</b>	<b>\$85</b>	<b>\$0</b>	<b>\$85</b>	<b>\$236,487</b>	<b>\$235,538</b>	<b>\$948</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
21 OER (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22 EERMC (Gas)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23 <b>Subtotal Regulatory</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
24 <b>TOTAL All Sectors</b>	<b>\$460,258</b>	<b>\$27,340</b>	<b>\$3,418</b>	<b>\$23,922</b>	<b>\$100</b>	<b>\$0</b>	<b>\$100</b>	<b>\$432,818</b>	<b>\$372,400</b>	<b>\$60,418</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>OTHER COSTS NOT LISTED ABOVE (Gas)</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Schedule 9 - Shared Cross-Jurisdictional Costs (Non-Labor)**

>\$100,000 only for Rhode Island

(Non-Labor Services/Costs that are Shared with Other Jurisdictions and are Allocated to Rhode Island)

	(a)	(b) (c)x(a)	(b) (c)x(a)	(b) (c)x(a)	(c)	(c)	(c)	(d)	(e)	(f)
Description of Service/Cost	Total Cost Used as Basis for Allocation	Total Allocated to Rhode Island	Total Allocated to RI-ELEC	Total Allocated to RI-GAS	% to Rhode Island	% to RI-ELEC	% to RI-GAS	% to Mass.	% to New York	Description of Allocation Methodology
1 IBM CORP. charged to DSM - InDemar	\$2,571,089	\$483,365	\$352,035	\$131,330	19%	14%	5%	68%	14%	Based on Overall Jurisdictional 2021 EE Budgets - ALL RI; ALL UPSTATE NY; ALL MA; ALL DOWNSTATE NY

**Schedule 10 - Methods for Allocating Costs >\$500,000 Across Rhode Island Programs/Sectors**

	(a)	(b)	(c)	(d)	(f)
Description of Cost Allocated	Total Cost Allocated	Allocation to Non-Eligible Residential Programs	Allocation to Eligible Residential Programs	Allocation to C&I Programs	Description of Allocation Methodology
1 Guidehouse Costs for Program Planning & Administration - RI-GAS	\$365,893	\$168,573	\$94,768	\$102,552	Based on PP&A Budgets of Programs Designated to Receive Allocations
2 IBM Costs for InDemand Releases - RI-GAS	\$131,330	\$57,196	\$32,154	\$41,979	Based on PP&A Budgets of Programs Designated to Receive Allocations
3					
4					
5 Labor Allocated to PP&A	\$368,184	\$136,843	\$76,930	\$154,412	Based on PP&A Budgets of Programs Designated to Receive Allocations
6 Labor Allocated to Marketing	\$953	\$843	\$70	\$40	Based on Marketing Budgets of Programs Designated to Receive Allocations
7 Labor Allocated to STAT	\$408,931	\$11,275	\$6,889	\$0	Based on STAT Budgets of Programs Designated To Receive Allocations
8 Labor Allocated to Evaluation & Market Research	\$23,922	\$2,211	\$478	\$21,233	Based on Evaluation & Market Research Budgets of Programs Designated to Receive Allocations
9 <b>ALLOCATED LABOR - RI-GAS TOTAL</b>	<b>\$801,989</b>	<b>\$151,172</b>	<b>\$84,366</b>	<b>\$175,684</b>	





## Attachment 3

### Case Studies and Evaluation Summaries



**Rhode Island Energy™**  
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## Reducing energy usage and annual spending at Rhode Island multifamily property

### Villa Anginette Apartments



The Rhode Island Energy Multifamily Program offers significant incentives to property owners for comprehensive efficiency upgrades. This project for Villa Anginette Apartments demonstrates how the program can cost-effectively take a holistic approach to a multifamily building to reduce energy use and realize substantial cost savings.

**Villa Anginette Apartments partnered with Rhode Island Energy to reduce energy usage and save money at their multifamily facility.**

#### The Project

The owner of Villa Anginette Apartments reached out to the Rhode Island Energy Multifamily Program for a no cost energy assessment of the 13-unit building. The energy audit found that the boiler room contained an older gas-fired atmospheric boiler that was still in use for heating. The system pumps were original to the building, and there was a considerable amount of uninsulated pipe running through unconditioned spaces.

The assessment also found opportunities to improve the performance of the building envelope, especially in the attic and basement.

#### The Solution

The owner elected to fully capitalize on the Multifamily Program offerings by implementing all of the assessment's recommendations:

- Replacing the existing boiler with a high-efficiency (98%) condensing unit
- Upgrading the system pumps to high-efficiency, electronically commutated motors (ECMs) with variable-frequency drives (VFDs) for speed control
- Installing more than 400 linear feet of heating and domestic hot water pipe insulation
- Air sealing in the attic and basement chases, top plates, plumbing and wiring penetration and other typical leakage points in the building
- Adding R-38 blown-cellulose insulation to the open attic space, including soffit baffles
- Installing weatherstripping and damming material around the attic hatch, as well as installing a fiberglass batt to the basement sill



**Villa Anginette Apartments worked with Rhode Island Energy to install over 400 linear feet of heating and domestic hot water pipe insulation.**

## Villa Anginette Apartments Case Study



**Rhode Island Energy helped Villa Anginette Apartments replace their existing boiler with a high-efficiency (98%) condensing unit.**

Villa Anginette Apartments Project	
Total cost:	\$51,115
Rhode Island Energy incentives:	\$23,243
Customer cost:	\$27,872
Estimated annual kWh savings:	2,156 kWh
Estimated annual therms savings:	2,989 thm
Estimated annual maintenance savings:	\$800
Expected annual cost savings:	\$4,432

“This was a big investment for me. Working with the program was a great decision. My rep was knowledgeable, personable, and really listened to my personal situation. He broke everything down for me and explained how I was wasting money each year. We are already seeing significant savings.”

*Arthur-Paul Petrosinelli  
Owner, Villa Anginette Apartments*

**To arrange for a no cost consultation for your multifamily property, call us at 888-633-7947 or visit our website at [rienergy.com/multifamily](http://rienergy.com/multifamily).**



**Rhode Island Energy™**

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These programs are funded by the energy efficiency charge on all customers' gas and electric bills, in accordance with Rhode Island law.



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## Rhode Island multifamily property sees significant energy and cost savings

West Warwick Housing Authority



The Rhode Island Energy Multifamily Program offers significant incentives to property owners for comprehensive efficiency upgrades. This project for the West Warwick Housing Authority demonstrates how the program can cost-effectively take a holistic approach to a multifamily building to reduce energy use and realize substantial cost savings.

**West Warwick Housing Authority partnered with Rhode Island Energy to reduce energy usage and save money at their multifamily facility.**

### The Project

The West Warwick Housing Authority reached out to the Rhode Island Energy Multifamily Program for a no cost energy assessment of its Clyde Tower 124-unit building. The energy audit found that the boiler room contained older gas-fired atmospheric boilers that were still in use for space heating and domestic hot water heating. The system pumps were original to the building, as were the in-apartment thermostats.

The assessment also found opportunities to reduce the high electric usage while providing hot water to supplement the heating system.

### The Solution

The authority elected to fully capitalize on the Multifamily Program offerings by implementing all of the assessment's recommendations:

- Replace the existing heating and water heating boilers with high-efficiency (96–97%) condensing units.
- Upgrade the system pumps to high-efficiency, electronically commutated motors (ECMs) with variable-frequency drives (VFDs) for speed control.
- Upgrade the domestic hot water recirculation pumps to high-efficiency electronically commutated motors (ECMs) with variable-frequency drives (VFDs) for speed control.
- Replace the existing manual thermostats with programmable wall-mounted units.
- Add a micro-combined heat and power unit to generate electricity on-site while also providing hot water for space heating and domestic use.



**West Warwick Housing Authority worked with Rhode Island Energy to add a micro-combined heat and power unit to generate electricity on site, while providing hot water for space heating and domestic use.**

# West Warwick Housing Authority Case Study



**Rhode Island Energy helped West Warwick Housing Authority replace their existing heating and water boilers with high-efficiency (96–97%) condensing units.**

“I am writing to express the West Warwick Housing Authority’s appreciation for RISE’s and RI Energy’s efforts to make our organization more energy efficient. The installation of the boilers and cogeneration unit has been a fruitful endeavor, resulting in the housing authority saving a substantial amount of money.”

*Stephen O'Rourke  
Executive Director, West Warwick Housing Authority*

Clyde Tower Project	
Total cost:	\$668,940
Rhode Island Energy incentives:	\$668,940
Customer cost:	\$0
Estimated annual kWh savings:	142,759 kWh
Estimated annual therms savings:	13,374 thm
Expected annual cost savings:	\$27,306

**To arrange for a no cost consultation for your multifamily property, call us at 888-633-7947 or visit our website at [rienergy.com/multifamily](http://rienergy.com/multifamily).**



**Rhode Island Energy™**  
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These programs are funded by the energy efficiency charge on all customers' gas and electric bills, in accordance with Rhode Island law.

# 1492 Westminster Street: A Mixed-Use, Multifamily Building



Rhode Island  
Energy™  
a PPL company



## Project Background

This 4,600 ft<sup>2</sup> building is the first mixed-use, multifamily building in Rhode Island built to Passive House Standards. There are seven one-bedroom apartment units as well as ground floor commercial space, occupied by Lucky Enough Drink and Eat. 1492 Westminster embodies the COTE Framework for Design Excellence addressing Design for Energy, along with Design for Equitable Communities, Water, Economy, Well-being, and Resources.

**Location:** Providence, RI

**Architect:** Peter Gill Case **Builder:** Jordan Durham  
[www.truthbox.com](http://www.truthbox.com) [www.durhampolak.com](http://www.durhampolak.com)

## Project Highlights

### Location

- Built on a narrow, vacant, urban infill site
- As part of the Amory Historic District, the building references common features of neighboring historic buildings while remaining a contemporary building

### Foundation

- Insulated slab-on-grade with insulated frost walls

### Building Envelope and Exterior walls

- “Double stud” walls with a 12” deep cavity for insulation
- Insulated with a mix of closed and open cell spray foam with a low greenhouse gas emission HFO blowing agent
- Robust air barrier created by taped and caulked plywood sheathing

### Equipment

Each unit includes:

- An individual heat pump water heater
- An air-to-air mini-split heat pump
- An energy recovery ventilation unit for fresh air

### Energy Use Intensity (EUI)

- The building achieves an expected EUI of 16.7 kBtu/ft<sup>2</sup> per year
- This is a nearly 75% reduction in operation energy use relative to the national average EUI for multifamily housing

### Solar Photovoltaic System

- Rooftop photovoltaic system to reduce EUI
- Expected EUI drops to 5 kBtu/ft<sup>2</sup> per year

### Residential New Construction (RNC) Program Achievements

- HERS Index: 35-41
- Total RNC Program Incentive: \$39,050
- Program Achievement Level: Tier 2
- 24-31% savings over program baseline
- Average savings per unit: 1,473 annual kWh

Questions?  
Call: 855-343-0105

**CLEAR**Result®

# The “Pretty Good House”: Zero Energy Ready Renovation



Rhode Island  
Energy™  
a PPL company



## Project Background

The objective of the project, from an energy perspective, was to achieve Net Zero energy performance, without adding significantly to the cost of construction or using unusual building practices and materials.

Learn more about the Pretty Good House concept at: [www.prettygoodhouse.org](http://www.prettygoodhouse.org).

**Location:** Providence, RI

**Architect:** Chris Royer

**Website:** [www.royerarchitects.com](http://www.royerarchitects.com)

**Contractor:** Halmac Construction

**Website:** [www.halmacri.com](http://www.halmacri.com)

## Project Highlights

### Simple Compact Design

- The 2,000 ft<sup>2</sup> home's design minimizes the area of thermal envelope in relation to interior living space

### Reduced Carbon Inputs

- No structural steel was used, and the use of concrete was minimized
- Over 50% of the foundation is from the old structure
- 8" thick concrete foundation walls used instead of 10" thick
- No basement or crawlspace slabs

### Tight Building Envelope

- Final blower door test was 0.39 ACH50
- Minimized unnecessary holes and gaps in the thermal envelope and sealed all required penetrations

### Solar Ready

- The south roof is ready for the installation of photovoltaic solar panels

### Pretty Good Insulation

- Roughly followed the 10-20-40-60 rule of thumb for cold climates
- Minimized thermal bridging of insulation
- Insulation is primarily dense pack cellulose in the cavity with 1" Zip R exterior sheathing

### Electric HVAC and Domestic Hot Water

- 2.5 tons ducted Mitsubishi mini split heat pump
- Panasonic FV-10EV2 100 cfm ERV – to ensure fresh air while minimizing energy loss
- Electric heat-pump domestic hot water heater

### Residential New Construction (RNC) Program Achievements

- HERS Index: 44
- Total RNC Program Incentive: \$5,475
- Program Achievement Level: Tier 3
- 49.1% savings over program baseline
- Savings: 9,039 annual kWh

Questions?  
Call: 855-343-0105

**CLEAResult**®

# LIGHTING MARKET CHARACTERIZATION AND ADJUSTED MEASURE LIFE STUDY

## RHODE ISLAND C&I STUDY RESULTS



The primary purpose of the study was to calculate the adjusted measure lives (AML) for commercial and industrial LED lighting measures. The AML accounts for changes in the lighting market that would have resulted in the customers likely changing to LEDs earlier than the full equipment measure life or effective useful life (EUL) had LEDs not been incentivized by the program.

### Approach

To estimate the future baselines required for the AML calculations, DNV leveraged its lighting market model which was calibrated using results from interviews with seventeen participating and non-participating lighting distributors in Rhode Island. In addition to the future baselines, the market model yielded forecasts of installed stock saturation and net program savings over time to help better understand the remaining potential for generating program savings.

### Key terms

**AML (adjusted measure life):** the ratio of lifetime savings and first-year savings applied to program measures to calculate the lifetime savings in a dual-baseline framework.

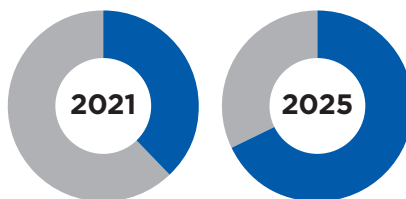
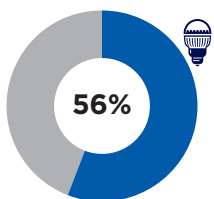
**Saturation:** The percentage of sockets filled with a particular lighting technology type.

**Market share:** The percent of lighting technologies sold in the Rhode Island market.

### Key findings

Overall LED market share in 2021: 56%

LED saturation is expected to increase from 38% in 2021 to 68% by 2025, assuming the program continues as-is versus 63% if the programs were to end.



### Recommendations

Adopt the updated AMLs for TLEDs, LED luminaires, and LED luminaires with controls.

Application	Measure	AML
Ambient linear	TLED	6
	LED luminaire	6
	LED luminaires with controls	7
High/low bay	TLED	7
	LED luminaire	7
	LED luminaires with controls	8
Exterior/outdoor	TLED	5
	LED luminaire	5
	LED luminaires with controls	6
Screw-based	A-lamp	2
	Downlight	2
	Decorative	2

### Conclusion

With the longer lifetimes associated with LEDs and increasing rates of LED saturation, fewer sockets are available for upgrade leading to decreasing opportunities to generate program savings. There are still opportunities for savings in the high/low bay submarket. Distributors said that absent the program, C&I customers would not pursue high bay projects given the disruption and lower ROI. In the exterior submarket, there are not as many non-LED products available in the marketplace, so customers will likely be forced to replace non-LEDs with LEDs as equipment burns out or fails resulting in less opportunity.

Rhode Island has proven to be a different market than Massachusetts and Connecticut's LED market share in the C&I space. Rhode Island has been less aggressive in transforming the market than the other jurisdictions, illustrated through distributor interviews and on-site data collection efforts in past studies.



## Nonparticipant Market Barriers Study (RI-21-RX-NPStudy)

# EXECUTIVE SUMMARY

For over 30 years, National Grid has helped customers in Rhode Island save energy and lower utility bills and has generated non-energy environmental, health, and other benefits for customers and society through a portfolio of energy efficiency programs. In fact, between 2016 and 2020, National Grid served almost 95,000 electric and 30,000 natural gas customers through its residential programs.

## Why Study Nonparticipation?

While these programs have successfully reached many customers, National Grid would like to provide equitable access to its energy efficiency programs to all customers. To better understand how to reach more difficult to serve customers' segments, particularly those that have not historically participated in energy efficiency programs, National Grid sponsored this study to characterize the customer segments that have historically participated less in National Grid's Rhode Island residential programs, assess barriers to their participation, and identify opportunities to engage them.

## Key Findings

### Barriers to Participating

- **Awareness** – Nearly 40% of survey respondents did not know that National Grid offers energy efficiency programs.
- **Lack of Understanding** – Many customers did not understand who the programs are for, why National Grid offers them, how to participate, or what benefits to expect.
- **Insufficient Trust** – While customers trust National Grid as a source of information, they may not trust that the programs and associated benefits are legitimate.
- **Competing Priorities** – Customers have different living situations, home conditions, and other priorities that prevent them from prioritizing energy efficiency.
- **Program Requirements** – Actual or perceived program requirements can prevent customers from participating.
- **Language, communication, culture, and experience** – These all affect someone's ability to participate.
- **Being a renter or landlord** – In general, being a renter or landlord is a deterrent to participating.

### Ways to Overcome Barriers

- **Include information on how National Grid programs are funded by customers** in program materials to help explain why National Grid has energy saving programs and how they benefit from customers saving energy.
- **Use testimonials to illustrate** who programs are for and how they work. Testimonials could also help to make energy savings more tangible.
- **Educate community organizations that serve key groups of interest** on National Grid's energy efficiency offerings. They can, in turn, recommend them to their clients to address high bills, comfort, or other issues their clients are experiencing that can be addressed through energy efficiency improvements.
- **Diversify language, content, and channel of messaging** to ensure messaging is accessible, culturally relevant, and available on the channels that community members are using.
- **Tie program services to everyday needs and value** to customers.
- **Continue to promote financial savings** associated with making improvements.

1,462 Surveys with customers

24 Interviews with customers

18 Interviews with community organizations

11 Interviews/surveys of landlords and property managers

8 Interviews with National Grid implementation and marketing teams

# Executive Summary

Nonparticipant Market Barriers Study  
(RI-21-RX-NPStudy)

For over 30 years, Rhode Island Energy (RIE, formerly National Grid) has helped customers in Rhode Island save energy and lower utility bills and has generated non-energy environmental, health, and other benefits for customers and society through a portfolio of energy efficiency programs. In fact, between 2016 and 2020, RIE served almost 95,000 electric and 30,000 natural gas customers through its residential programs.

## Why Study Nonparticipation?

While these programs have successfully reached many customers, RIE would like to provide equitable access to its energy efficiency programs to all customers. To better understand how to reach more difficult to serve customers' segments, particularly those that have not historically participated in energy efficiency programs, RIE sponsored this study to characterize the customer segments that have historically participated less in RIE's Rhode Island residential programs, assess barriers to their participation, and identify opportunities to engage them.

## Key Findings

### Barriers to Participating

- **Awareness** – Nearly 40% of survey respondents did not know that RIE offers energy efficiency programs.
- **Lack of Understanding** – Many customers did not understand who the programs are for, why RIE offers them, how to participate, or what benefits to expect.
- **Insufficient Trust** – While customers trust RIE as a source of information, they may not trust that the programs and associated benefits are legitimate.
- **Competing Priorities** – Customers have different living situations, home conditions, and other priorities that prevent them from prioritizing energy efficiency.
- **Program Requirements** – Actual or perceived program requirements can prevent customers from participating.
- **Language, communication, culture, and experience** – These all affect someone's ability to participate.
- **Being a renter or landlord** – In general, being a renter or landlord is a deterrent to participating.

### Ways to Overcome Barriers

- **Include information on how RIE programs are funded by customers** in program materials to help explain why RIE has energy saving programs and how they benefit from customers saving energy.
- **Use testimonials to illustrate** who programs are for and how they work. Testimonials could also help to make energy savings more tangible.
- **Educate community organizations that serve key groups of interest** on RIE's energy efficiency offerings. They can, in turn, recommend them to their clients to address high bills, comfort, or other issues their clients are experiencing that can be addressed through energy efficiency improvements.
- **Diversify language, content, and channel of messaging** to ensure messaging is accessible, culturally relevant, and available on the channels that community members are using.
- **Tie program services to everyday needs and value** to customers.
- **Continue to promote financial savings** associated with making improvements.

1,462 Surveys with customers

24 Interviews with customers

18 Interviews with community organizations

11 Interviews/surveys of landlords and property managers

8 Interviews with RIE implementation and marketing teams

# Executive Summary

Participation & Multifamily Census Study (RI-21-RX-Participation)

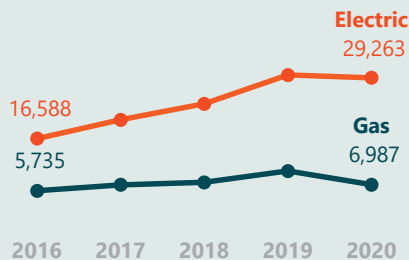
Rhode Island Energy (RIE, formerly National Grid) offers myriad energy efficiency programs that help customers in Rhode Island save energy and lower utility bills, while at the same time generating environmental, health, comfort, and workforce benefits. In fact, between 2016 and 2020, almost 95,000 electric and 30,000 natural gas residential customers participated in an RIE program. In April 2021, RIE contracted with Cadeo to analyze program participation and develop a list of multifamily customers.

## Why study past participation?

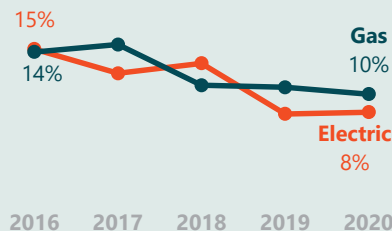
Analyzing past program participation provides valuable insights into which customers participate in programs and which do not. RIE will use these insights into drivers and causes of participation to inform future program design and offerings.

## Participation Trends

Most programs, and the residential portfolio overall, experienced a **steady rise in participation**.



Savings per participant **decreased**. The drop is driven by lighting: fewer bulbs installed and lower savings per bulb.



**Aggregated** annual program tracking, consumption, tax assessor, and Census data

**Calculated** portfolio and program-specific participation rate and savings-to-consumption ratio metrics

## Drivers of Participation

Category	Driver/Interaction
STRONG DRIVERS	Household Income
	Age of Head of Household
	Living Area
	Total Units in Building
WEAK DRIVERS	Primary Language
	Age x Income
IMPORTANT INTERACTIONS	Homeownership (x Age x Income)

**Explored** causal drivers of participation using logistic regression

**Modeled** propensity of nonparticipating customers using random forest predictive techniques

## Likelihood of Nonparticipants Participating in the Future

Cadeo developed a predictive model to assess the likelihood that a nonparticipating customer will opt into an RIE program. We found that **more than half of nonparticipating accounts (56%) look very different from past participants** and are least likely to participate in programs as designed, marketed, and delivered today. This suggests RIE will need to evolve its offering to engage these customers.

## Identifying Multifamily Opportunities

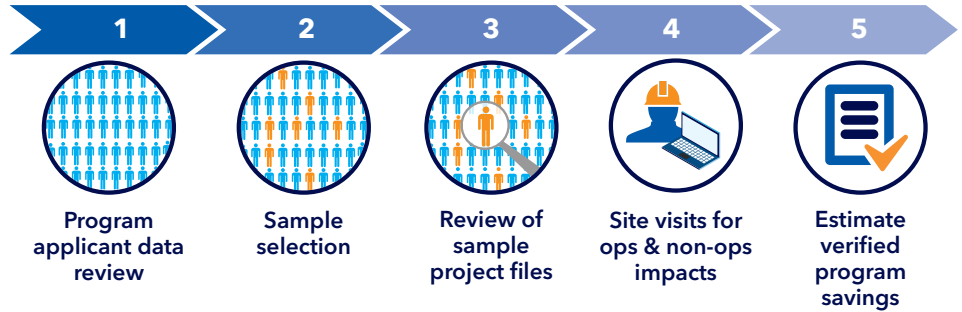
Using a variety of utility, public, and proprietary data sources, our team developed a custom algorithm for identifying the buildings best served through RIE's EnergyWise and Income Eligible Multifamily programs. In total, we estimate there are 24,012 multifamily buildings in the state. This reflects ~7% of total residential buildings in the state, and 19% and 16% of RIE's electric and natural gas residential accounts, respectively.

# RHODE ISLAND ENERGY C&I CUSTOM ELECTRIC INSTALLATIONS IMPACT EVALUATION - 2020 PROGRAM YEARS

DNV quantified annual electric energy (kWh) savings for custom electric projects completed during the program years (PY) 2020. Those results were then used to calculate a three-year rolling average realization rate using results from PY2018, PY2019, & PY2020.

## APPROACH

These projects generally use site-specific customized engineering analysis to generate savings rather than deemed savings estimates. The one major change from last year's study (PY2018/19) is that this year's study calculated savings and realization rates for non-lighting projects only. This study also verified and re-estimated electric energy savings for the sample of projects through site specific inspection, monitoring and analysis. A total of 10 sites were evaluated in PY2020 population. 6 of them were Full M&V sites, 3 were Non-Ops with Onsite Audit and 1 site was Non-Ops with virtual verification.



## KEY TERMS

**Full M&V evaluated site:** A site that included both operational and non-operational impacts and involves onsite measurements using power, time-of-use meters or validated trend data and measure verification.

**Non-ops evaluated site:** The evaluations do not include any measurement or calculation of any operational characteristics of the installed measures but include verification of technology and quantities through onsite visits.

**Virtual visit:** Verification of Technology and measure level details by video phone call and photographs. Virtual visit sites are almost always Non-ops sites.

**Realization Rate (RR):** Ratio between evaluated and tracking savings. If RR = 100%, tracking estimated savings were verified and consistent with onsite findings.

## KEY FINDINGS

36M kWh Energy Savings (2018+2019+2020). Three year rolling **realization rate** is **83%** based on the individual results listed below.

PY2018	PY2019	PY2020
RR 78% (n=14)	RR 104% (n=15)	RR 69% (n=10)
13M kWh savings	13M kWh savings	11M kWh savings

## RECOMMENDATIONS

- DNV recommends RI Energy to use 83% RR for non-lighting custom program and continue using 95% RR (from previous evaluation) for custom lighting program.
- DNV recommends Rhode Island Energy Implementation team conduct a more rigorous review of engineering calculations for measures involving building management systems or controls measures. Review should include the baselines, control sequences and other relevant assumptions used in the applicant savings calculation. Any trend data and supporting files and post-installation verification documentation like screenshots, photographs etc., should be included in the tracking documentation.
- The evaluators recommend the implementation team to collect clear documentation for the basis of the measure event type (retrofit vs new construction) in the project files. The measure event description should note if the measure is a standalone project or part of a larger project, the age of any existing equipment being modified, and the reason that the project is being implemented.
- The evaluator continues to note issues related to proper measure commissioning, or post-installation verification which has been a driver for discrepancies in this study. We recommend that RI Energy ensure proper measure commissioning or post installation inspection protocols are followed to ensure that key measure components are installed and are generating savings.
- DNV recommends RI Energy continue evaluating lifetime savings and reporting them at the site level in all future custom electric evaluations.

### Installed measures

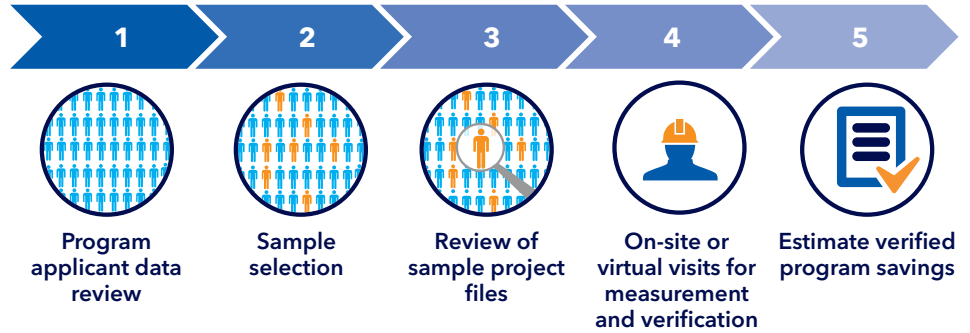
- Lighting
- HVAC
- Refrigeration
- Energy management systems
- Operation & maintenance
- Process equipment
- Compressed air
- and more

# IMPACT EVALUATION OF PY2020 CUSTOM GAS INSTALLATIONS IN RHODE ISLAND

DNV quantified natural gas savings for custom gas projects completed during the 2020 program year (PY). This year's three-year rolling average realization rate is calculated using results from PY2018, PY2019, and PY2020.

## APPROACH

**Annual sample evaluations:** Measurement and verification (M&V) is repeated annually as the previous year's tracking data becomes available. In PY2020, steam trap and non-steam trap sites were evaluated using different methodologies listed below. The overall program realization rate (RR) combines the latest 3-year results. The realization rate is the ratio between evaluated and tracking savings. If RR=100%, then applicant estimated savings were verified and consistent with onsite findings.



### Site Evaluation Methodologies

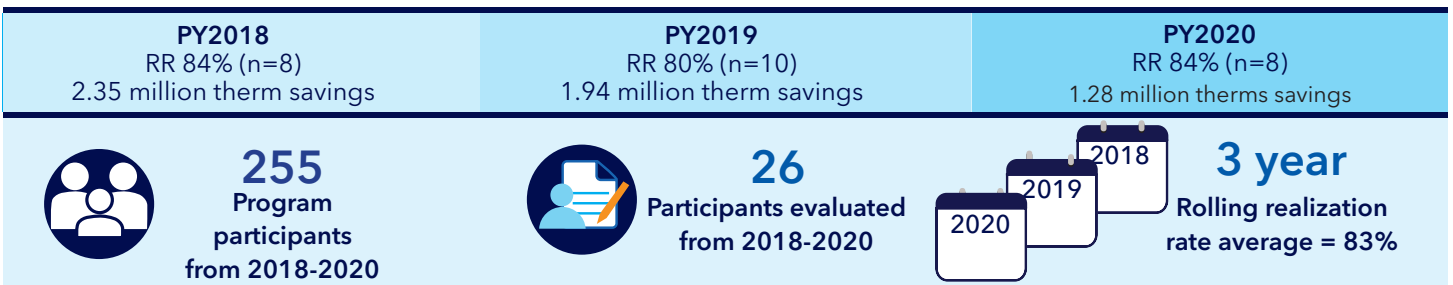
**Operational:** Ops sites are sites in which an operational adjustment or metered data was used in the evaluation. Operational adjustments include changes to factors such as operating hours, load, or interactive effects. Operational adjustments are supported by metered data.

**Non-Operational:** Non-ops sites are sites in which an operational adjustment or metered data was not used in the evaluation. Non-operational sites can adjust for factors such as calculation methodology, technology, quantity or baseline which are factors that do not need to be supported by metered data. Non-ops sites do not include operational adjustments.

**Steam Trap:** Steam trap sites are sites in which steam traps are the energy efficiency measure. This typically involves the repair or replacement of failed or faulty steam traps. In PY2020, steam traps sites were evaluated similar to desk reviews using a calibrated steam trap tool.

## KEY FINDINGS

Non-steam trap sites were evaluated using a combination of operational and non-operational adjustments. The eight sites evaluated in 2020 included 4 steam trap sites, 3 non-operational adjustment sites, and 1 operational adjustment site.



## RECOMMENDATIONS

- RI Energy should assess whether to implement the new MA steam trap study results or determine an alternate approach to vetting RI steam trap sites which may include developing an independent steam trap calculator in RI.
- Consider evaluating only non-steam trap sites in the next evaluation (PY2021) without changing the program's precision targets (80/20) as the new calibrated steam trap tool is still being developed.
- DNV recommends that the project implementor conduct a quality check at project closure to screen for tracking, administrative, or methodological errors and correct them before entering final reported savings in the tracking system.

### Installed measures

- Pipe insulation
- Process equipment
- HVAC equipment
- Steam traps
- Duct insulation
- Airflow reduction and more

# RHODE ISLAND CANNABIS PRODUCTION ISP REPORT

DNV carried out this study to define industry standard practice (ISP) in RI for cannabis industry end-uses, including horticultural lighting, lighting controls, cultivation area HVAC, HVAC controls, and dehumidification, using in-depth interviews of contractors and service providers who have operated in the state.

## Approach

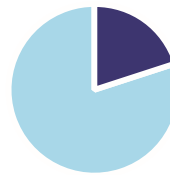


## Key findings

**Horticultural lighting results:** Some market actors indicated facilities may install different options for different types of cultivation areas. While such responses were seen for the flowering areas, for all other types of cultivation areas, LEDs were standard practice.

For lighting controls, most respondents said that simple strategies deploying timers are typically used for the different cultivation areas, otherwise, sites perform manual switching. If dimming is installed, it is primarily to reduce shock on plants when going between growth phases, especially in dual-use rooms when the room changes to a different phase of growth.

### Dehumidification results:



20% of respondents used direct install units for dehumidification

80% of respondents used portable units for dehumidification

## Conclusions

### Horticultural lighting

Lighting designs in Rhode Island typically revolve around set Photosynthetic Photon Flux Density (PPFD) targets by the owner. Lighting ISPs by stage of growth are:

- **Flower/bloom:** 830-watt mixed LED and HPS technology (1,000-watt double-ended HPS or 660-watt LED), with a target PPFD of 900 and a photoperiod of 12 hours.
- **Vegetative:** 400-watt LED, with a target PPFD of 450 and a photoperiod of 18 hours.
- **Clone/seedling:** 200-watt LED, with a target PPFD of 200 and a photoperiod of 24 hours.
- **Mother:** 350-watt LED, with a target PPFD of 600 and a photoperiod of 18 hours.

**HVAC results:** The responses to the questions on HVAC ISP were consistent and primarily revolved around packaged and split direct expansion (DX) systems.

### Environmental conditioning

The sizing of HVAC systems should be based on the anticipated sensible and latent loads for the facility using site-specific load calculations. There are both a substantial sensible load from the horticultural lights and large latent loads from the transpiration of plants, which release moisture that must be removed from the space to maintain environmental targets. Managing these loads contributes to high cooling and dehumidification use. The team found direct expansion systems to be the ISP for all facility sizes.

## Recommendations

### Use the identified ISP for baseline

The team recommends the use of the ISP practices identified in this study by implementors as the baselines for projects and by evaluators when evaluating those projects. For all systems and equipment where an ISP was not identified, a site-specific baseline should be used.

### Future research

During the writing of this report, Rhode Island legislators legalized recreational cannabis for adult use. Most market actors who participated in the survey effort indicated that RI practices are typically not as sophisticated as other jurisdictions, but they expect this to change now that recreational use is legalized. As capital increases for these facilities, owners may pursue more sophisticated options for systems and controls. The cannabis landscape in RI will likely evolve in the coming years. The PA should consider revisiting this study later to research the adapting landscape and adjust ever-evolving ISP.



# Energy Efficiency Workforce Analysis

Rhode Island  
2021

## KEY FINDINGS



### FTEs

1,011 full-time equivalent workers (FTEs) were associated with Rhode Island energy efficiency programs in 2021. An FTE is assumed to work 1,768 hours per year.



### Percentage Increase

The number of FTEs working on these programs increased by 22% relative to 2020.



### Drivers of Increase

This increase was driven largely by reduced COVID-19 restrictions and increased EnergyWise participation over planned levels.

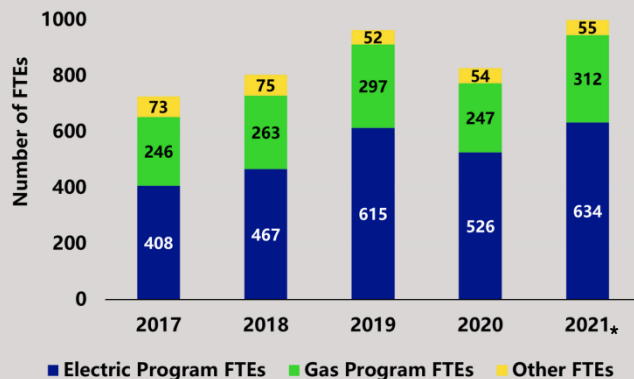


### Emerging Opportunities

Vendors noted a shift away from lighting measures and anticipate a shift towards mechanical upgrades. The Narragansett Electric Company can help facilitate this shift by providing training resources for mechanical contractors. As one vendor put it, "heat pumps are the new light bulbs."

## BACKGROUND

The Energy Efficiency Workforce Analysis Report quantifies the workforce involved in delivering The Narragansett Electric Company's Rhode Island programs in 2021. Guidehouse identified the number of full-time equivalent workers (or FTEs) by scaling 2020 FTEs by an indicator of change in program activity – the ratio of spending in 2021 relative to spending in 2020. Manual adjustments were made to these calculations based on interviews with The Narragansett Electric Company staff and vendors.



\* Other FTEs refer to non-program specific FTEs such as marketing and The Narragansett Electric Company's administrative, non-program specific staff.

### Contact Person:

jessica.darling@nationalgrid.com

### More Information:

[Link to Report](#)





## Attachment 4

### Year-End Participation Memo

# 2022 Year-End Participation Memo

## I. Participation Overview

Rhode Island Energy recognizes the importance of program participation in designing efficiency services, reaching diverse markets, meeting customer demand, and finding areas to increase efficiencies. Complementary to the gas and electric savings that the Company seeks to achieve each year, participation contextualizes the impact of efficiency through revealing who is benefiting from the programs and how. The objective of this memo is to measure unique participants, participation over time, and quantify total customers reached.

Rhode Island Energy enables customers to participate through a variety of service streams which makes quantifying participation difficult. Programs and initiatives such as EnergyWise and Small Business Services retrofit a home or business through technical assessments and installed measures. The Company also delivers efficiency to customers through broad channels to increase accessibility for all customers. These expansive efforts tend to focus on one measure at a time and are intended to transform the market so that customers make energy efficient choices. Within these broad offerings, it is difficult to precisely measure participation levels cumulatively and compare to participation in other deeper programs. Therefore, this memo focuses on participation levels in deep services that offer customers the most benefits.

Programs and initiatives are designed and delivered in specific ways to maximize potential energy savings. Therefore, specific data differs among programs and what is defined as a 'participant' may differ as well. A breakdown of participation units used for reporting gas and electric programs in 2022 is found below. The participation numbers found in Tables E-1 and G-1 in Attachments 5 and 6, respectively, of Docket 5189 - Annual Energy Efficiency Plan for 2022, filed with the Commission on October 1, 2021, are in these units.

## Participation Reporting Units

Fuel	Sector	Program	Participation Unit
Gas	Commercial & Industrial	Large Commercial New Construction	Unique Account
		Large Commercial Retrofit	Unique Account
		Small Business Direct Install	Unique Account
		C&I Multifamily	Housing Units
	Income Eligible Residential	Single Family – Income Eligible Services	Unique Account
		Income Eligible Multifamily	Housing Units
	Residential	Energy Star® HVAC	Unique Account
		EnergyWise	Unique Account
		EnergyWise Multifamily	Housing Units
		Home Energy Reports	Unique Account
Residential New Construction		Housing Units	
Electric	Commercial & Industrial	Large Commercial New Construction	Unique Account
		Large Commercial Retrofit	Unique Account + Unique Customer names from Upstream Lighting
		Small Business Direct Install	Unique Account
	Income Eligible Residential	Single Family – Income Eligible Services	Unique Account
		Income Eligible Multifamily	Housing Units
	Residential	Energy Star® HVAC	Unique Account
		EnergyWise	Unique Account
		EnergyWise Multifamily	Housing Units
		Home Energy Reports	Unique Account
		Residential New Construction	Housing Units
		Residential Consumer Products (formerly Energy Star® Products & Energy Star® Lighting)	Number of Rebates

As the table shows, participation is counted in different ways depending on the program.

1. **Unique billing accounts:** The predominate means for tracking participants. This is defined as one electric or gas account number.
2. **Housing units:** This method is used in the electric and gas Residential New Construction program and multifamily programs. For New Construction programs, buildings are typically under construction, so accounts do not yet exist. Rhode Island Energy, therefore, tracks the number of housing units for participation. This method is also applied to all multifamily programs, where complexes and not individual apartments tend to have accounts. These programs are focused on the impact to the apartment dwellers, so from a program design perspective, understanding the number of housing units affected, is of greater interest. Please note that for the gas programs only gas-heated units are counted as participants. In the case that an electric or delivered-fuel-heated dwelling is part of the impacted complex, it would not be counted as a participant.

3. **Rebates:** In the Residential Consumer Products program, the Company reports the number of rebates processed because not every rebate contains account information.
4. **Unique customer names:** This method is used in the C&I Upstream Lighting Initiative. Customer account information is not collected at the point of sale as it would delay the process and can be a potential barrier to the success of the program. Therefore, the Company must analyze unique customer names and addresses to determine unique participants.

## II. Unique Cumulative Participation

### Background

The integration of efficiency services, from the identification of HVAC opportunities during home audits to product offerings through the Home Energy Reports web portal, means that a single customer may be counted as a participant in multiple programs. Continued interest in efficiency, moreover, may lead that customer to participate in consecutive years. Such overlap in participation, both over time and across programs, has become important to Rhode Island Energy and its stakeholders as it is important in understanding the progress that energy efficiency programs have made in benefitting Rhode Island electric and gas customers.

### Methodology

The tables and graphs below show the unique annual and cumulative customer accounts associated with certain efficiency programs, sector, and fuel for the period 2015-2022. 2012 was chosen as the baseline year because it represents the first year of 2012-2014 Three Year Plan. The tables are organized using the following:

- **Annual Program Counts** - Represents the unique accounts associated with an individual program in a given year. It removes all double counting within a given program within a given year. For example, if a customer participated in the HVAC program twice in 2022, they would only be counted once.
  - Please note that some overlap exists within the home audit programs, but not because of repeat audits. Program policy requires customers wait three years before receiving another audit. However, follow-up work to an audit in 2021, such as weatherization, could occur in 2022. One account, therefore, would appear as a unique participant in two different years.
- **Additive** - The sum of Annual Program Counts.
- **Cumulative** - Eliminates all double counting within a program across multiple years. For example, if a customer participated in the HVAC program in 2019 and then again in 2022, they would only be counted once. Therefore, the cumulative count may be less than the additive count since it removes customers that participate in the same program more than once.

- **Sector (Residential, Income Eligible, and Commercial) Subtotals** - Eliminates all double counting across programs for a given year. For example, if a customer participated in both the HVAC program and the EnergyWise program in 2022, they would only be counted once. Therefore, the sector subtotal may be less than the sum of all the annual program counts in a given year.
- **Portfolio Total** - Eliminates all double counting across sectors for a given year. For example, if a customer participated in the Income Eligible Single-Family Program and the Residential Consumer Products program in 2022, they would only be counted once. Therefore, the portfolio total may be less than the sum of all annual participant counts.
- **Percent Unique Accounts** - This represents the ratio of cumulative to additive program participation counts. The result is the percentage of customers that only participated in a given program one time from 2012-2022.
- **Percent Unique Program Participants** - This represents the ratio of the sector subtotal (unique counts) to the sum of annual participant counts in a given year. The result is the percentage of customers that only participated in one program during a given year.
- **Portfolio Cumulative** - The set of unique accounts across all programs and years, with all overlap removed. For example, if an account is found in EnergyWise for 2021 and Residential Consumer Products for 2022, it would only appear once in the Portfolio Cumulative Count.

#### Important Notes about Participation Counts

The counts shown below do not include participants in Home Energy Reports and C&I Upstream Lighting (an initiative tracked under Commercial New Construction before 2016 and under Commercial Retrofit starting in 2016). While Home Energy Reports is an important program that reaches broad participation and savings while driving customers to other program opportunities, it was excluded because its hundreds of thousands of participants would overwhelm the cumulative counts, thereby obscuring any trends that could otherwise be observed. Commercial Upstream Lighting does not collect account information, thus could not be included in this analysis. The number of electric and gas participants for these programs, however, are included in Tables E-1 and G-1 in Attachments 1 and 2, respectively.

Not all rebates processed through the Residential Consumer Products program contain account information. Therefore, rebates without account information are not included in this analysis. For this reason, annual program counts below are lower than the total number of customers that participated in this program. Likewise, the number of rebates in the Residential Consumer Products program reported in E-1 will be higher than the number of accounts detailed below because not all rebates include account information.

In the year-end report, the Company counts EnergyWise Multifamily and EnergyWise Multifamily Income Eligible participation by units in treated buildings. When units are used, if 51% of the

building is income-eligible, the whole building and all units within are treated and counted as income eligible. However, since this analysis uses account numbers, and account numbers track with a rate class, the results below will show a higher split of market rate to income eligible multifamily participants. Multifamily programs are included in this unique account analysis to remove overlaps with other programs to the best extent possible.

### Trends in EE Program Participation

The tables and figures below provide insight into participation trends across programs and years. Overall, 2022 program participation at the portfolio level saw decreases compared to 2021 participation, with the electric portfolio showing an 5% decrease and the gas portfolio showing a 16% decrease. General observations on participation trends from 2021 and 2022 are highlighted below.

- Decreases in electric participation was mostly prevalent within the C&I sector which saw a 10% decrease in participation from 2021 to 2022, followed by Income Eligible with a 7% decrease and Residential with a 4% decrease.
- Decreases in gas participation was mostly prevalent within the Residential sector which saw a 18% decrease in participation from 2021 to 2022, followed by Income Eligible with a 0.3% decrease in participation. However, C&I gas participation grew by 4% from 2021 to 2022.
- Overall, the Company reached approximately 249,154 electric customers and 93,448 gas customers from 2012 to 2022. This figure is reflective of the “Important Notes about Participation Counts” section above.

Examining the percentage of unique program participants in a single year (within Tables 1-2), it is evident that there is little overlap between programs. This trend is seen across all three sectors (C&I, Income Eligible, Residential). These results are not surprising in the Income-Eligible Sector where customers would either participate in the single family or multifamily program, nor are they in the C&I sector where programs are more segmented. However, in the residential sector, customers are encouraged to participate in multiple programs in any given year. These results indicate there may be more the Company can do in terms of cross-program promotion to drive more participation in the same year. The multifamily program-level trends are not likely representative due to the fact that the Company generally counts all units in a participating facility. In Spring 2016, the Company started tracking participating units in addition to counting all units in a multi-family facility. Section III of this memo provides details on units served through the multifamily programs.<sup>1</sup>

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<sup>1</sup> The Company continues to examine multifamily program-level trends, participation, and methodology to determine if any adjustments to multifamily program counts are necessary.

**Table 1. Electric Cumulative Participation 2015-2022<sup>2</sup>**  
Participation by Accounts

Sector	Program	Annual Counts								5-Year Annual Average	Additive	Cumulative	% Unique Accounts
		2015	2016	2017	2018	2019	2020	2021	2022	2018-2022	2012-2022	2012-2022	
Residential	HVAC	2,091	1,978	3,023	3,269	6,298	6,745	8,915	10,166	7,079	49,393	44,110	89%
	Products	4,461	2,622	6,630	6,249	7,283	6,843	5,905	6,583	6,573	69,272	60,711	88%
	EW	11,665	9,567	10,159	11,961	13,839	11,926	14,640	11,882	12,850	120,942	98,477	81%
	EW MF	8,014	11,408	7,472	10,014	7,455	5,986	5,454	4,671	6,716	71,908	40,409	56%
	Residential Subtotal	25,561	25,103	26,368	30,551	33,077	29,883	32,921	31,457	31,578	299,200	204,993	69%
	% Unique Program Participants	97%	98%	97%	97%	95%	95%	94%	94%	95%			
Income Eligible	AMP	2,851	3,016	3,074	3,850	4,089	3,863	5,362	4,853	4,403	39,312	27,173	69%
	IE MF	1,383	1,999	2,289	1,256	1,433	1,065	1,128	1,163	1,209	18,240	10,870	60%
	Income Eligible Subtotal	4,234	5,015	5,359	5,103	5,520	4,928	6,489	6,013	5,611	57,537	37,940	66%
	% Unique Program Participants	100%	100%	100%	100%	100%	100%	100%	100%	100%			
Commercial	New Construction	236	251	195	173	155	105	164	62	132	1,839	1,392	76%
	Retrofit	459	400	593	579	545	519	603	605	570	5,490	3,102	57%
	SBS	1,049	797	807	760	724	615	598	555	650	9,322	7,671	82%
	Commercial Subtotal	1,682	1,380	1,554	1,492	1,424	1,239	1,365	1,222	1,348	16,330	11,449	70%
	% Unique Program Participants	96%	95%	97%	99%	100%	100%	100%	100%	100%			
Portfolio Total		31,448	31,449	33,177	36,995	39,825	35,939	40,602	38,540	38,380	371,859	249,154	62%

<sup>2</sup> For display purposes, years 2012-2014 are not displayed in Table 1, but are accounted for in the Additive and Cumulative columns. Please see the participation memo from 2020 for the 2012-2014 inputs.

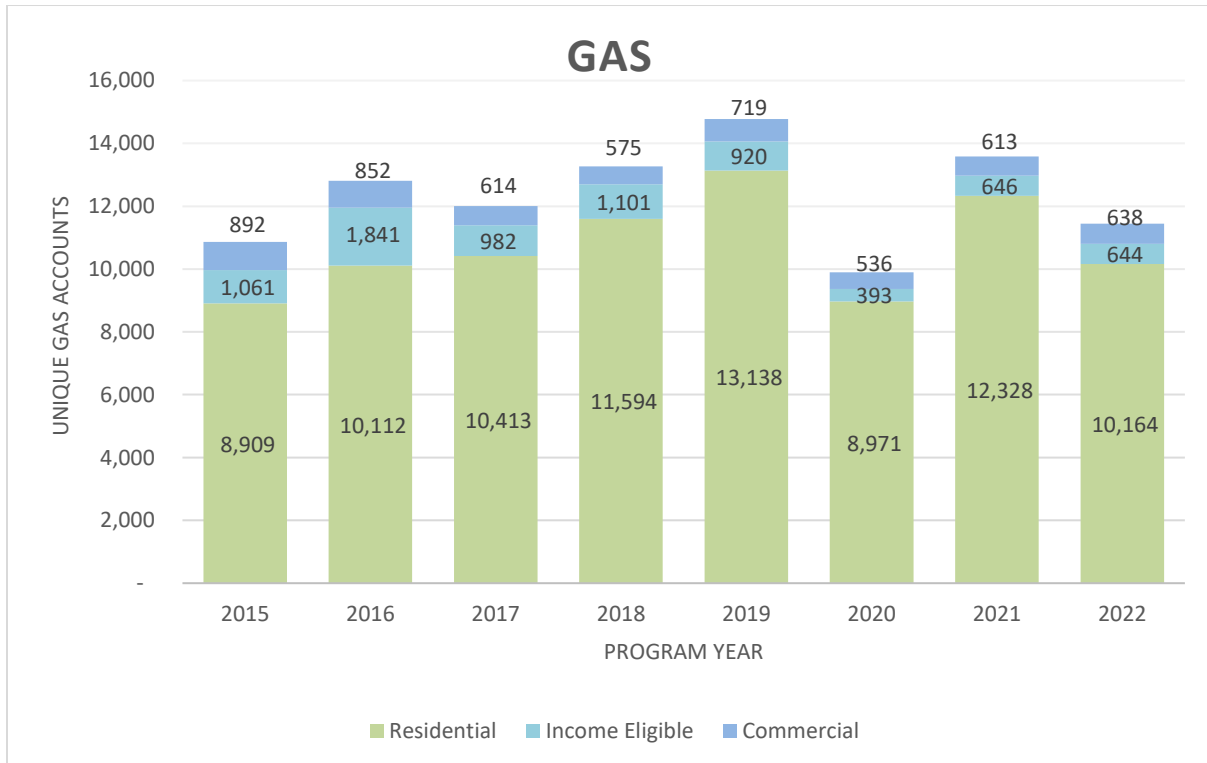
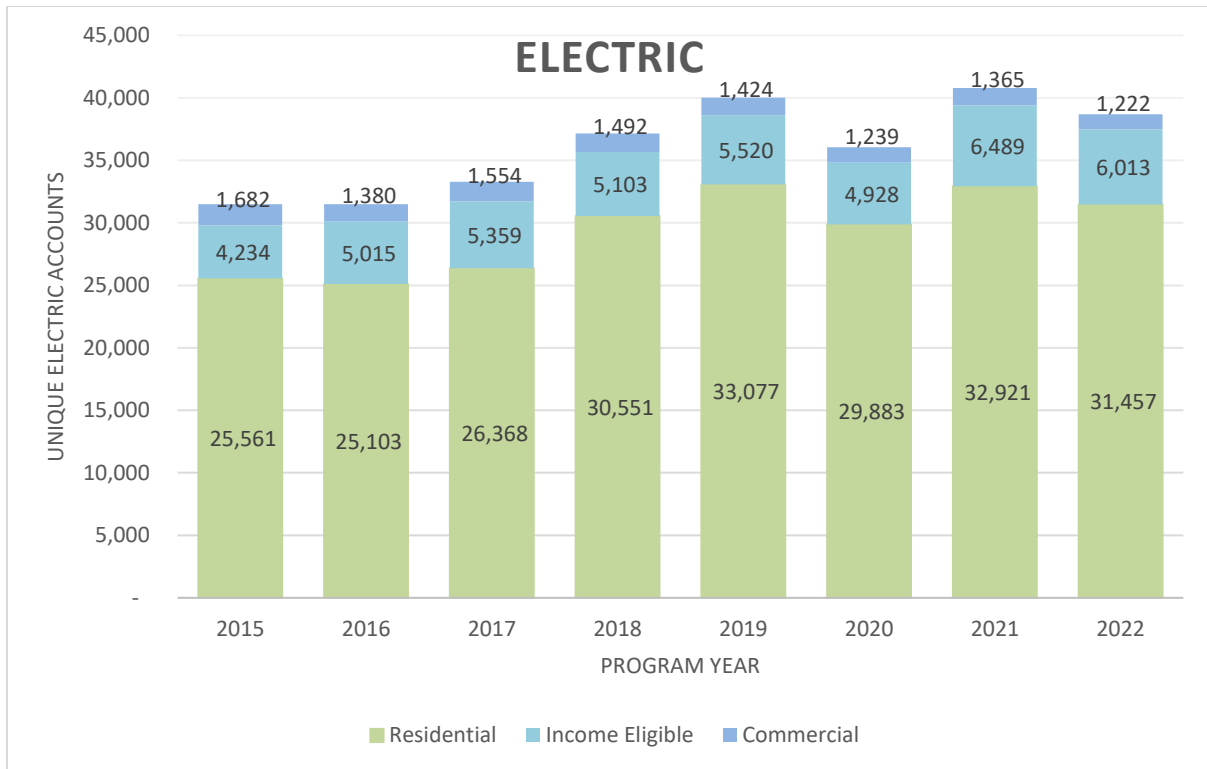
**Table 2. Gas Cumulative Participation 2015-2022<sup>3</sup>**  
Participation by Accounts

Sector	Program	Annual Counts								5-Year Annual Average	Additive	Cumulative	% Unique Accounts
		2015	2016	2017	2018	2019	2020	2021	2022	2018-2022	2012-2022	2012-2022	
Residential	HVAC	1,980	1,652	2,949	3,113	3,846	3,282	4,201	4,442	3,777	39,750	36,447	92%
	EW	2,830	3,252	3,387	4,329	5,209	3,304	5,381	3,638	4,372	37,426	32,933	88%
	EW MF	4,291	5,394	4,332	4,394	4,391	2,578	3,008	2,237	3,322	36,325	18,709	52%
	Residential Subtotal	8,909	10,112	10,413	11,594	13,138	8,971	12,328	10,164	11,239	110,981	81,063	73%
	% Unique Program Participants	98%	98%	98%	98%	98%	98%	98%	99%	98%			
Income Eligible	AMP	529	722	700	615	596	279	585	559	527	5,910	5,460	92%
	IE MF	532	1,121	282	486	324	114	61	85	214	3,845	2,883	75%
	Income Eligible Subtotal	1,061	1,841	982	1,101	920	393	646	644	741	9,753	8,340	86%
	% Unique Program Participants	100%	100%	100%	100%	100%	100%	100%	100%	100%			
Commercial	New Construction	134	206	268	309	321	341	463	408	368	2,838	1,162	41%
	Retrofit	656	611	240	206	311	120	108	153	180	3,471	2,882	83%
	SBS	121	50	122	82	109	85	109	100	97	1,346	1,285	95%
	Commercial Subtotal	892	852	614	575	719	536	613	638	616	7,391	5,782	78%
	% Unique Program Participants	98%	98%	97%	96%	97%	98%	90%	97%	96%			
Portfolio Total		10,462	12,406	11,950	13,274	14,582	9,889	13,571	11,430	12,549	115,570	93,448	74%

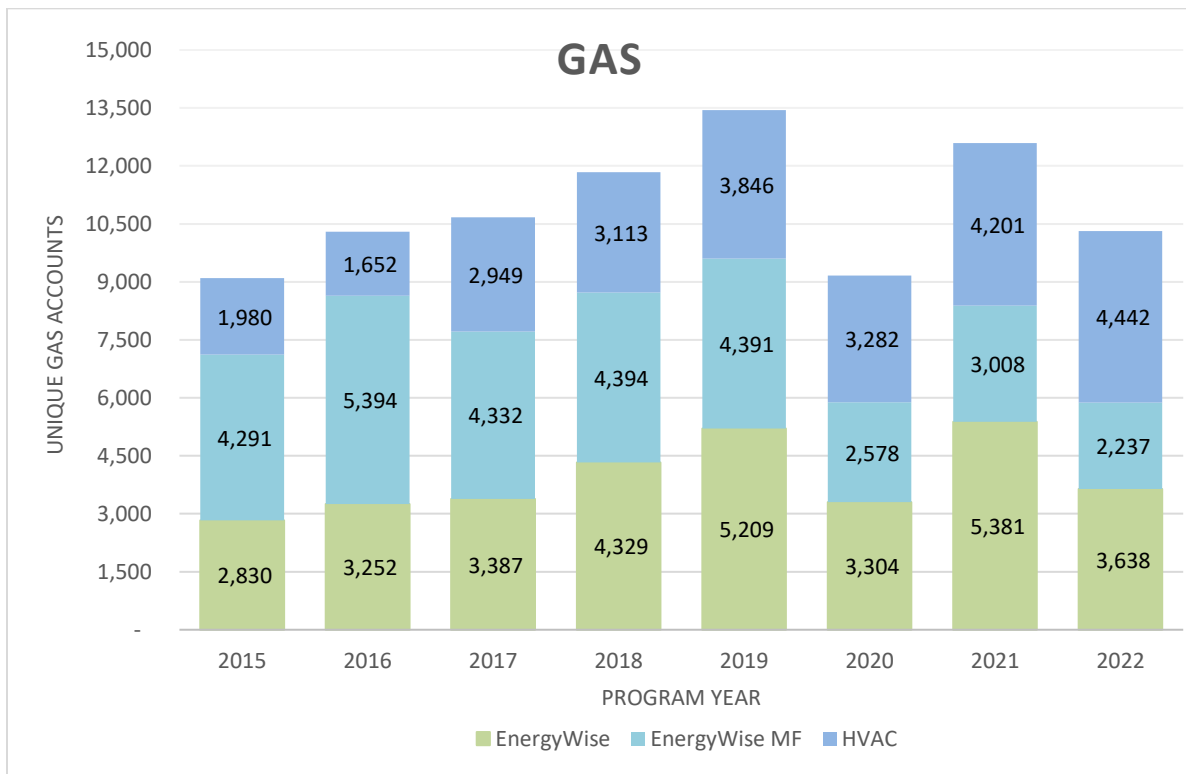
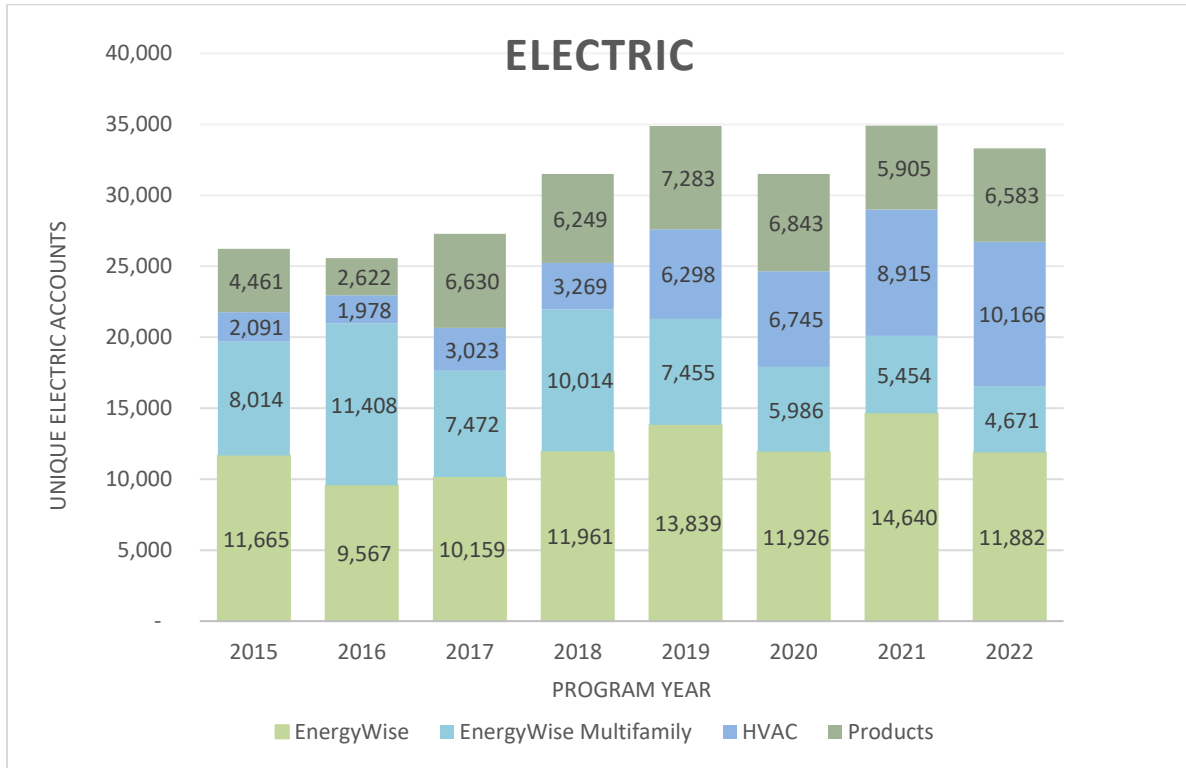
<sup>3</sup> For display purposes, years 2012-2014 are not displayed in Table 2, but are accounted for in the Additive and Cumulative columns. Please see the participation memo from 2020 for the 2012-2014 inputs.



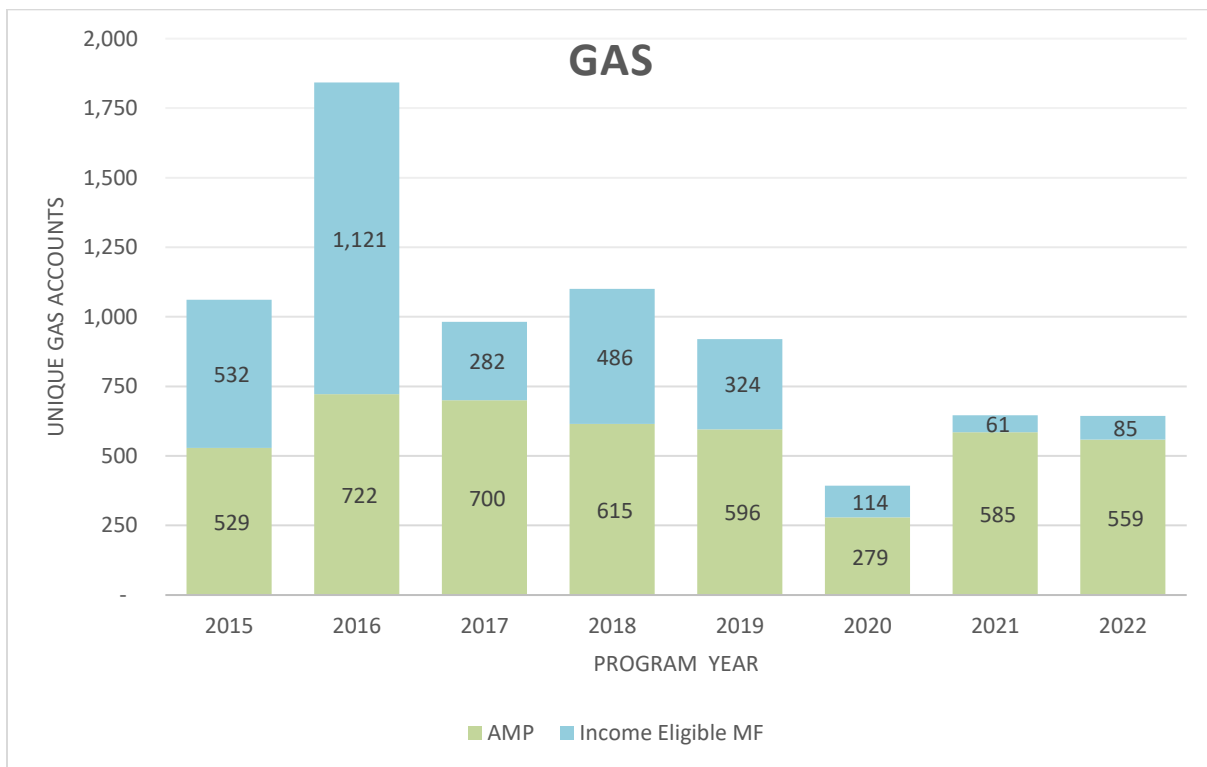
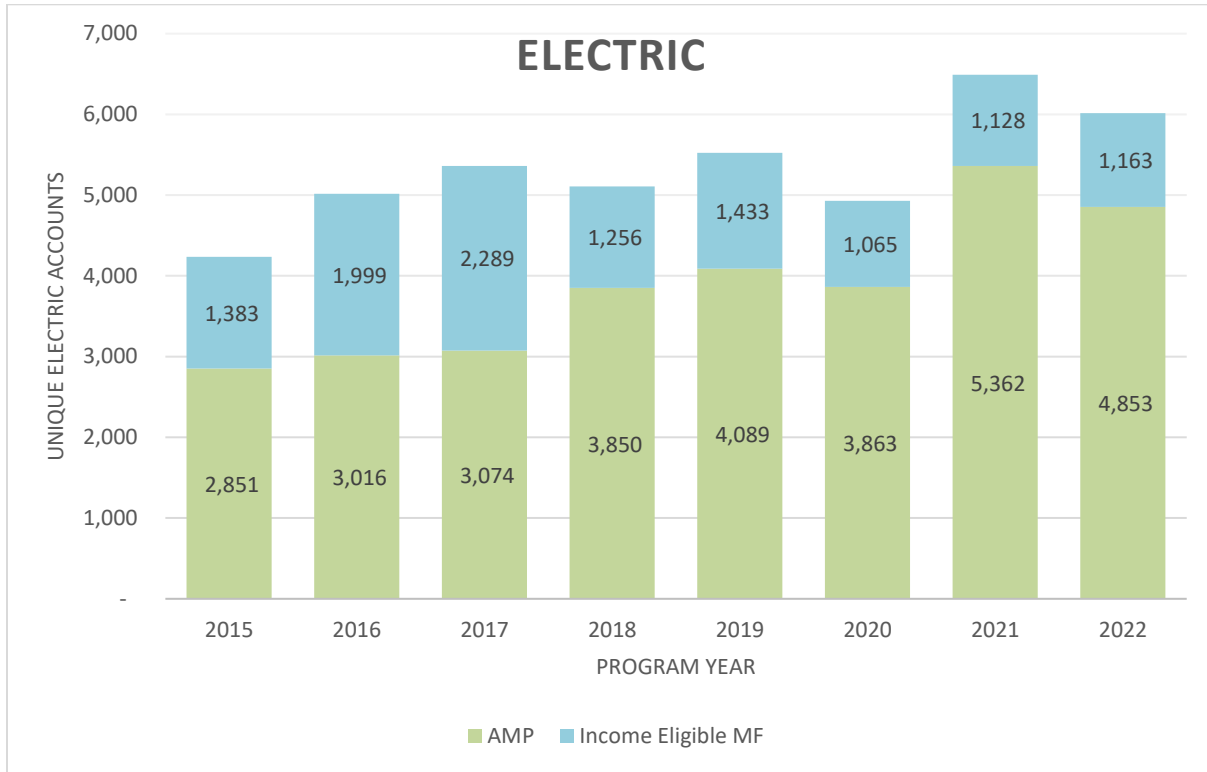
**Figure 1. Electric and Gas Participation by Sector, 2015-2022**



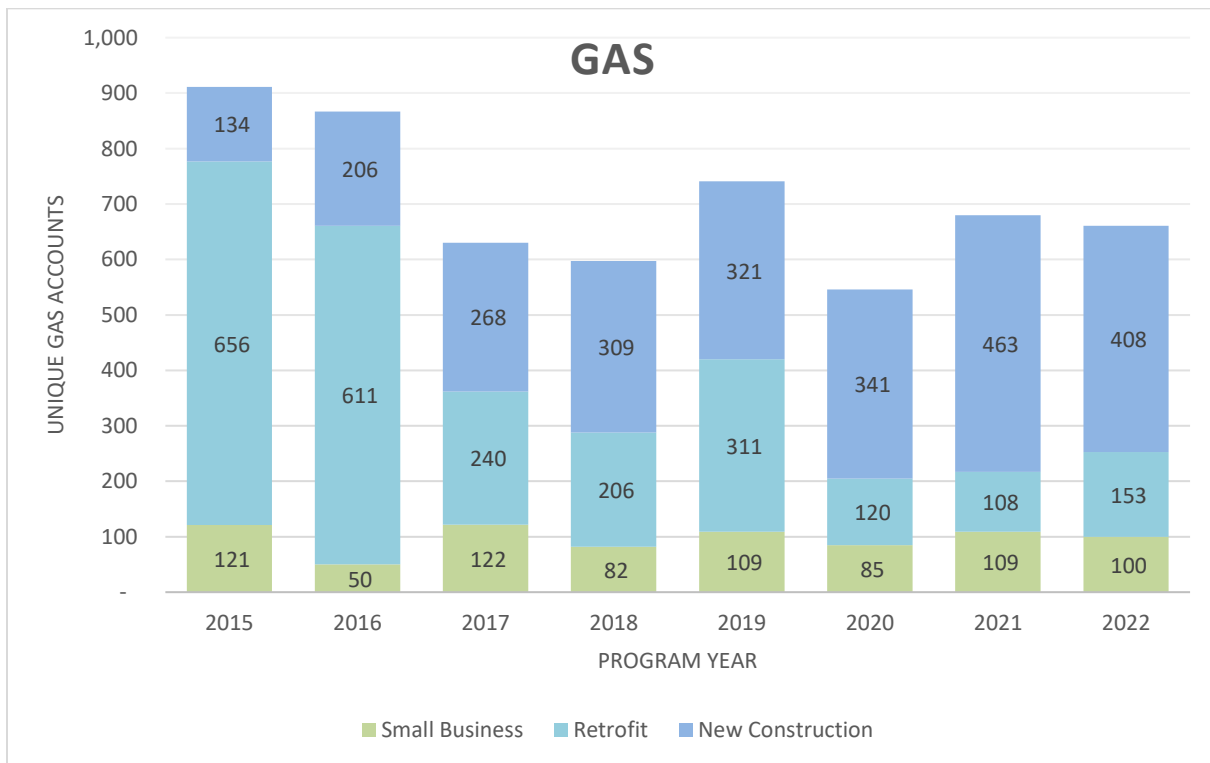
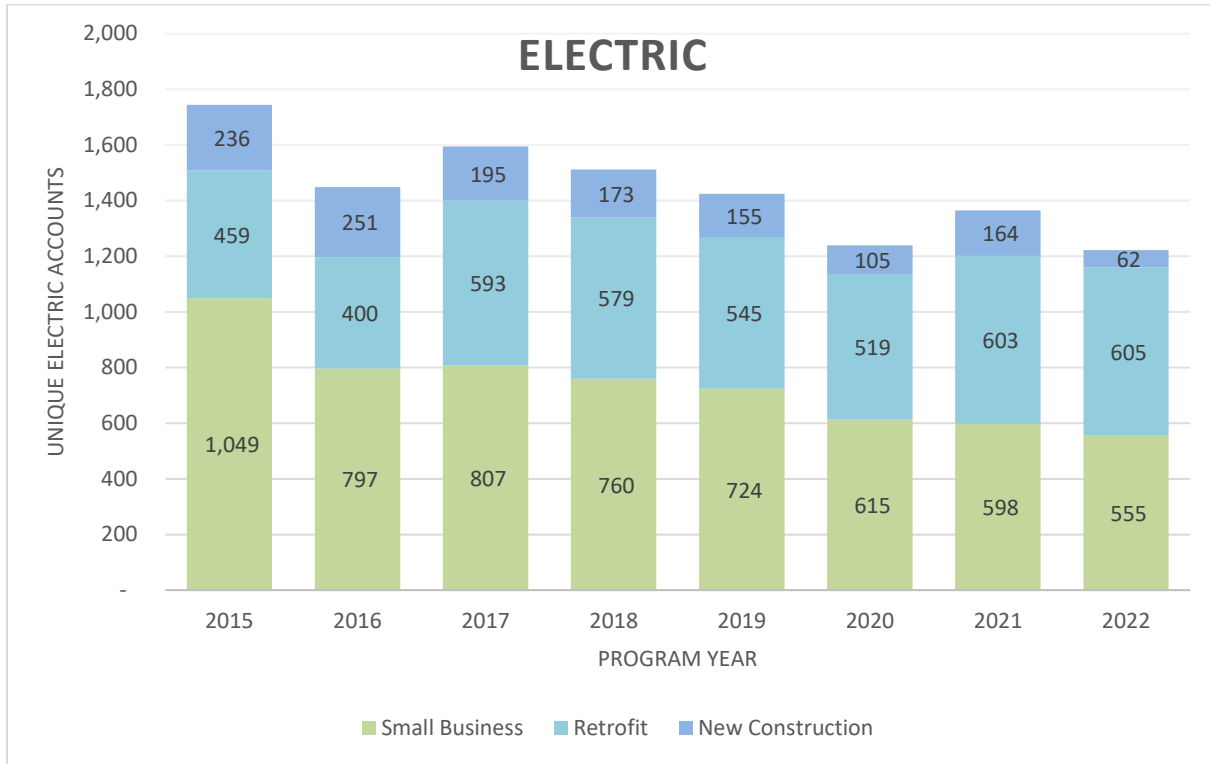
**Figure 2. Electric and Gas Participation, Residential Sector by Program, 2015-2022**



**Figure 3. Electric and Gas Participation, Income-Eligible Sector by Program, 2015-2022**



**Figure 4. Electric and Gas Participation, Commercial Sector by Program, 2015-2022**



### III. Housing Units

The annual housing units are defined as unique in the same sense as billing accounts. Housing units are presented below for the Electric and Gas EnergyWise Multifamily program, Electric and Gas Income Eligible Multifamily program, the Commercial and Industrial (C&I) Multifamily Gas program, and the Electric and Gas Residential New Construction Program.

In multifamily programs, the unique number of accounts shown in the previous section (Tables 1 and 2) do not fully represent the participation trend for these programs. That is because not all individual units have separate accounts as a building might be master metered. Therefore, in Tables E-1 and G-1 of the year-end report, the Company counts all housing units in treated buildings for participation, which is also shown below. Please note that multifamily housing units cannot be shown as cumulative because the Company does not have specific unit data within a treated facility and therefore cannot remove overlap between years.

Participation in the Residential New Construction program is also defined by housing units since accounts do not yet exist. In this program, housing units are only reported once, at the time of completion, so there is no overlap between units across multiple years. Therefore, the Company can show this program in terms of cumulative unique participation.

**Table 3. Electric Participation by Housing Units**

Program	Annual Housing Units								Additive
	2015	2016	2017	2018	2019	2020	2021	2022	2012-2022**
EnergyWise MF	7,710	7,783	3,557	2,415	2,971	3,270	924	2,072	36,024
Income Eligible MF	4,610	5,366	5,162	3,875	2,140	972	630	1,378	24,133
RNC	442	526	680	458	639	482	484	212	5,375
<b>Portfolio Total*</b>	12,762	13,675	9,399	6,748	5,750	4,724	2,038	3,662	65,532

Note: For multifamily programs, 2016 - 2022 counted only participating housing units in participating facilities while 2012-2015 counted all housing units in a participating facility.

\*The portfolio total here is not the full portfolio, it is only a portion of the full portfolio that deals with these particular programs.

\*\*For display purposes, years 2012-2014 are not displayed in Table 3, but are accounted for in the Additive and Cumulative columns. Please see the participation memo from 2020 for the 2012-2014 inputs.

**Table 4. Gas Participation by Housing Units**

Program	Annual Housing Units								Additive
	2015	2016	2017	2018	2019	2020	2021	2022	2012-2022**
<b>C&amp;I MF</b>	2,345	2,982	1,997	954	1,530	44	88	160	12,105
<b>EnergyWise MF</b>	3,147	2,232	3,984	1,811	1,008	308	420	196	15,602
<b>Income Eligible MF</b>	3,956	4,701	3,840	3,010	2,089	1,716	2,661	2,096	27,159
<b>RNC</b>	366	341	353	249	240	131	92	282	3,231
<b>Portfolio Total*</b>	9,814	10,256	10,174	6,024	4,867	2,199	3,261	2,734	58,097

Note: For multifamily programs, 2016 - 2022 counted only participating housing units in participating facilities while 2012-2015 counted all housing units in a participating facility.

\*The portfolio total here is not the full portfolio, it is only a portion of the full portfolio that deals with these particular programs.

\*\* For display purposes, years 2012-2014 are not displayed in Table 3, but are accounted for in the Additive and Cumulative columns. Please see the participation memo from 2020 for the 2012-2014 inputs.

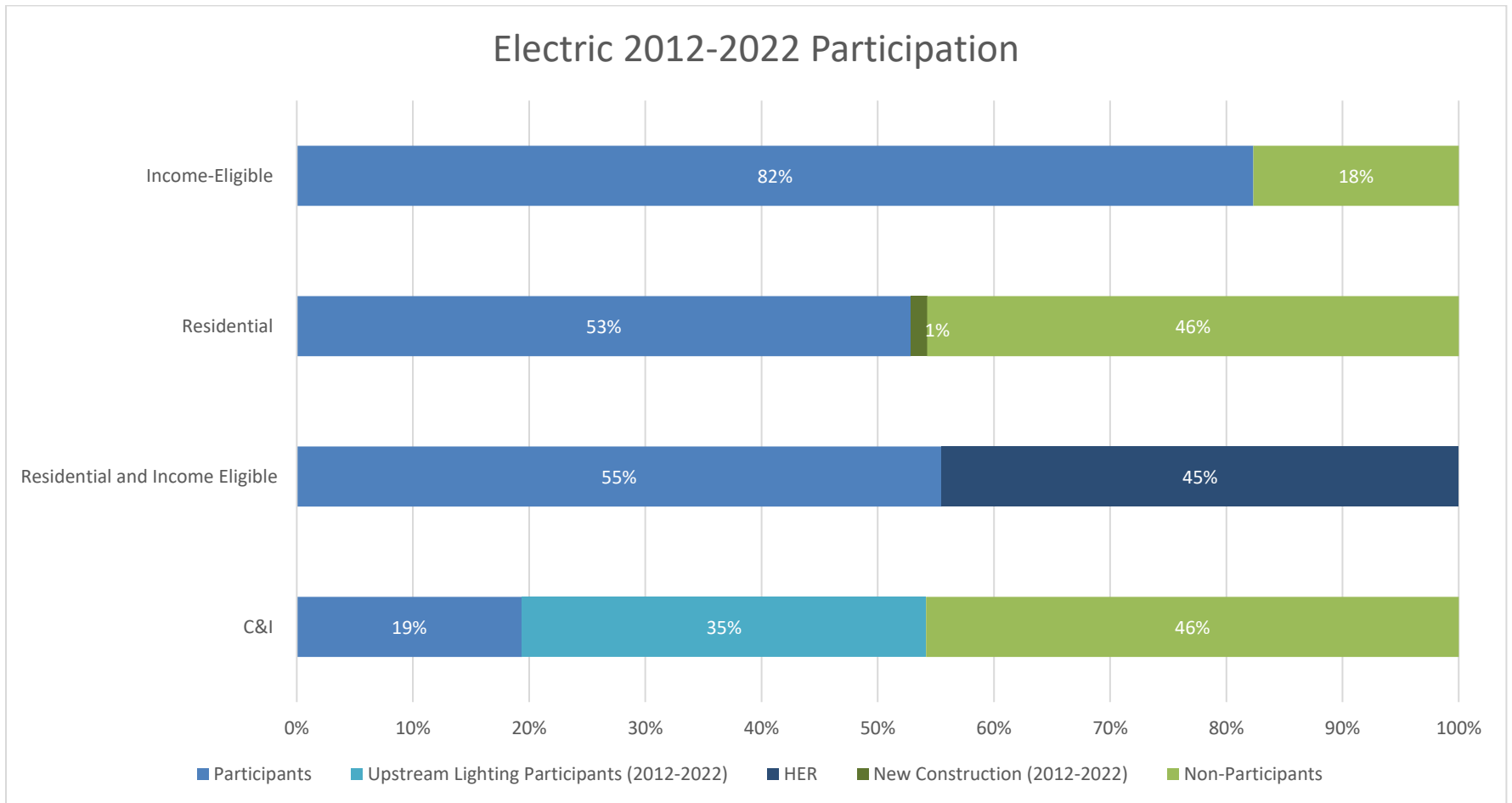
#### **IV. Estimate of Customers Reached 2012-2022**

This section estimates the portion of each customer class that has participated in an energy efficiency program from 2012-2022. Figures 5 to 6 represent a visual estimate of the combination of unique participant counts from 2012-2022, plus Residential New Construction units, Home Energy Reports, and C&I upstream lighting. C&I upstream lighting is excluded from the unique participation count since the Company does not have detailed information and cannot remove overlap with other C&I programs. The Company does have customer information to remove overlap across years and includes an estimate of unique C&I upstream lighting participants in the graphs below.

From 2012 through 2022, 77% of electric customers and 51% of gas customers participated in Rhode Island Energy's energy efficiency programs at least once. For electric programs, 96% of the participants were characterized as residential and 4% were C&I and for gas, 94% of participants were characterized as residential and 6% as C&I. This is significant when one considers this analysis does not include data back to 2009, when energy efficiency programs under the construct of Least Cost Procurement began and does not include programs such as the Home Energy Reports. Had this data been included, the penetration rates would undoubtedly be higher.

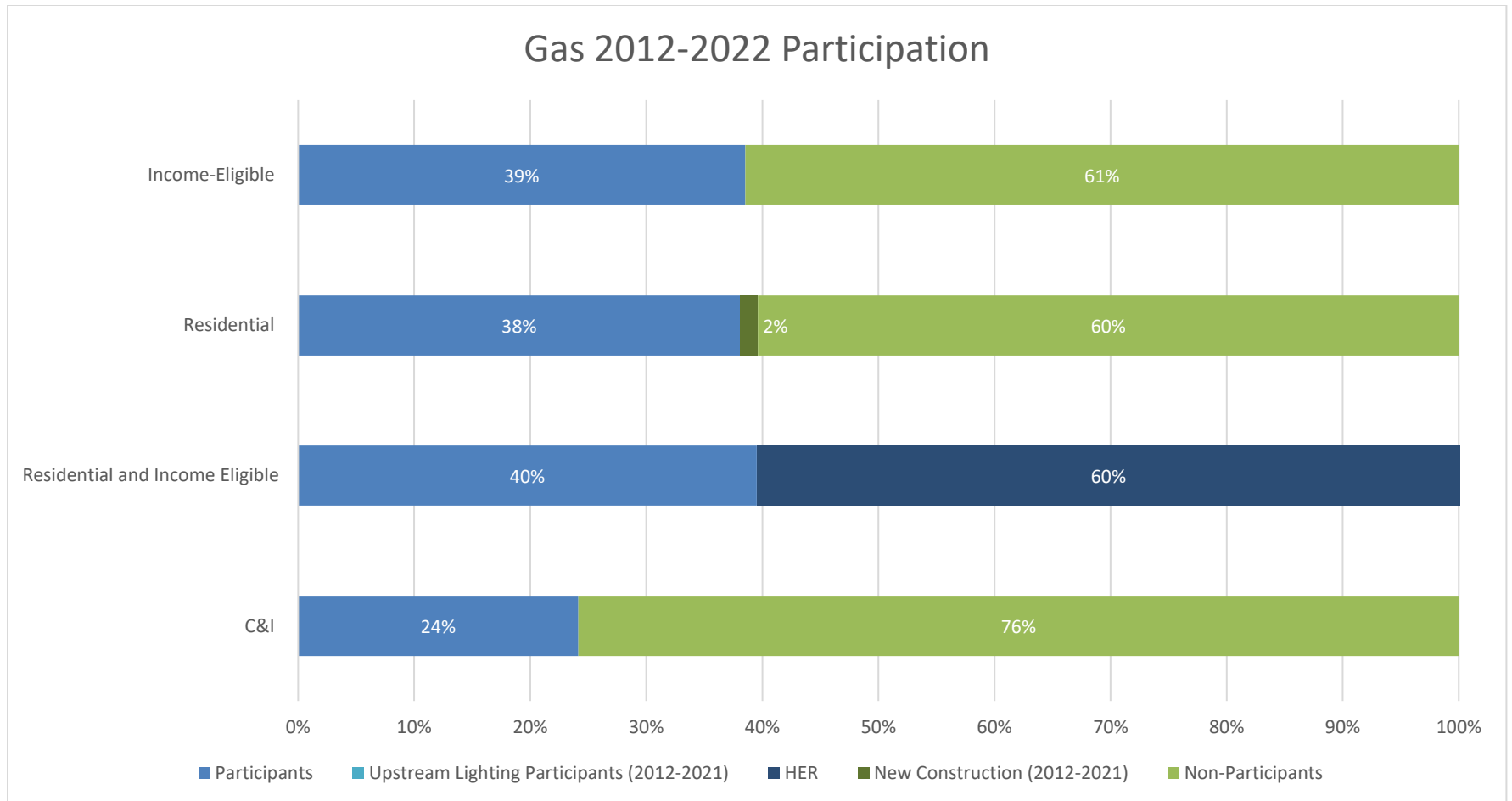
When Home Energy Reports and C&I upstream lighting participation are added to these counts, a total of 97% of electric customers and 93% of gas customers participated over this period. Home Energy Reports are included in this count because the program offers significant savings and benefits to customers as well as drives customers to participate in other energy efficiency programs.

**Figure 5. Cumulative Electric Participation by Program**





**Figure 6. Cumulative Gas Participation by Program**





## Attachment 5

# Rhode Island 2022 Energy Efficiency Workforce Analysis Final Report

# Participating Companies

The following list includes contractors and subcontractors performing work directly for The Narragansett Electric Company Energy Efficiency programs in 2022 that were counted in the FTE analysis and additional companies who assisted customers to secure equipment rebates, for example, through the New Construction, High Efficiency HVAC programs, and upstream lighting. The list also includes the Community Action Program agencies and their subcontractors involved with the delivery of the low-income program, whether under The Narragansett Electric Company funding or WAP/LIHEAP/ARRA funding.

The list is organized by state, with companies then listed alphabetically. Rhode Island firms are listed first. Of the 980 companies, agencies, contractors and sub-contractors listed here, 73% are either headquartered in Rhode Island or have a physical presence in Rhode Island, 16% are Massachusetts-based companies, and 3% of companies are Connecticut firms. The remaining firms have offices in the other New England states or outside of New England. The list is organized with Rhode Island first, then other states in alphabetical order. Within each state, the firms are listed alphabetically

Vendor	City	State
166 Valley Street LLC	Providence	RI
210 Plumbing	Newport	RI
A & H Duffy Polishing & Finishing	Cranston	RI
A Good Plumber	Hope	RI
A Perry Plumbing & Heating	Coventry	RI
A&M Compressed Air Products, Inc.	Providence	RI
A/Z Corp	Cranston	RI
Aaron Simpson	Lincoln	RI
Absolute Haitian	Lincoln	RI
Aceto Plumbing LLC	Cranston	RI
ACR Construction & Management Corp	North Providence	RI
Adam Cudworth	Coventry	RI
Adams Plumbing & Heating	West Warwick	RI
Advanced Comfort Systems Inc	North Smithfield	RI
Aegis Energy Services LLC	Providence	RI
AEP Carpentry	Hope	RI
Aero Mechanical Inc	Johnston	RI
Affordable Heating & AC	N Providence	RI
Affordable Plumbing Solutions	Coventry	RI
Air Conditioning Services Of New England	Cranston	RI
Air Energy Group	Warwick	RI
Air Flow Inc	Coventry	RI
Air Masters HVAC Services	Warwick	RI

Vendor	City	State
Air Quality LLC	Cranston	RI
Air Synergy LLC	Providence	RI
Air Tech Pro HVAC	Warwick	RI
Ak Mechanical	Coventry	RI
Al Asher	Portsmouth	RI
Al Danti & Son Plumbing & Heat	Pascoag	RI
Al Jerauld	N Providence	RI
Al Swajian & Son Plumbing & Heating	Cranston	RI
Alex Rubio Plumbing	Providence	RI
Alexandra Knott	Pawtucket	RI
Alga Plastics	Cranston	RI
All Phase Heating & Cooling	Coventry	RI
All Star Insulation	Providence	RI
Allied Group LLC	Cranston	RI
Almeida Plumbing & Heating	Greenville	RI
Alpha Mechanical	E Providence	RI
Am Electric LLC	Scituate	RI
Amada	Woonsocket	RI
American Home Heating And AC	Cranston	RI
American Plumbing & Mechanical	West Warwick	RI
American Pride Plumbing & Heating LLC	Warwick	RI
Amgen	West Greenwich	RI
Anchor Insulation	Pawtucket	RI
Anchor Plumbing & Heating	Providence	RI
Andrade & Co LLC	N Providence	RI
Anne The Plumber	Woonsocket	RI
A-Plumbing & Heating	E Providence	RI
Apuzzo Plumbing & Heating	N Scituate	RI
Aquidneck Services	Portsmouth	RI
Ar Heating & Cooling Inc	Cranston	RI
Arctic Air HVAC/R	Johnston	RI
Arden Engineering	Providence	RI
Arema HVAC	Greenville	RI
Armor Insulation	Cumberland	RI
Arnold Lumber Co	West Kingston	RI
Arthur W Adler	Bristol	RI
Ata Ur Rehman Siddiqui	East Greenwich	RI
Aten Energy	Pawtucket	RI

Vendor	City	State
Atlantic Coast Creations Ltd	Providence	RI
Atlantic Compressor & Vacuum Inc.	West Warwick	RI
Atlantic Control Systems Inc	Boston	RI
Atlantic P & H Supply	Coventry	RI
Atlantic Power Services Inc	Pawtucket	RI
Atlantis Comfort Systems	West Warwick	RI
Atlascopco	North Kingstown	RI
Autiello Plumbing & Heating	Cranston	RI
Automated Temperature Controls	Cranston	RI
Automatic Heating Equipment	Providence	RI
Automatic Temperature Contols Inc	Narragansett	RI
AZ Corporation	Hopkinton	RI
A-Z Home Repair	Johnston	RI
B & B Consumers Nat Gas Serv	Woonsocket	RI
B&W Electrical Contractor	Forestdale	RI
B. Lachapelle Home Improvements LLC	Lincoln	RI
Barbara Jones	Warwick	RI
Bard Plumbing & Heating	Warwick	RI
Barlow Heating LLC	Warwick	RI
Barrett Plumbing & Heating Inc	West Greenwich	RI
Barrington Plumbing And Heating Inc	Barrington	RI
Baseline Plumbing & Heating In	Greenville	RI
Baum Energy	Warren	RI
Beaver River Heating&Cooling	Wyoming	RI
Benchmark Group Inc	Westerly	RI
Berard Heating & HVAC	Warwick	RI
Berkeley Business Center	Comberland	RI
Big Shine Energy	Lincoln	RI
Bileau HVAC	Woonsocket	RI
Bill Kowaleski	Charlestown	RI
Bill's Direct Plumbing & Heating	Bristol	RI
Bill's Heating Service Inc	Warwick	RI
Blackstone Valley Community Action	Pawtucket	RI
Bladimir Rodriguez	Cranston	RI
Blueprint Construction Group	N Providence	RI
Bmb Services LLC	E Greenwich	RI
Bob Sequeira	West Warwick	RI
Boss Heating & Cooling Inc	Charlestown	RI

Vendor	City	State
Boucher HVAC/R Inc	Wakefield	RI
Boulevard Plumbing & Heating	Portsmouth	RI
Bousquet Oil	Woonsocket	RI
Bradford Soap	West Warwick	RI
Branch River Plastics Inc	Smithfield	RI
Brandon Schiano	Cranston	RI
Brian H Gibb	Westerly	RI
Brian Mellor	Warren	RI
Brian's Heating Concepts Inc	Tiverton	RI
Brothers Jj Service	Providence	RI
Bsm Pump Corporation	North Kingstown	RI
Buckey Ford	Pawtucket	RI
Buckley Heating & Cooling	Middletown	RI
Bullard Abrasives Inc	Lincoln	RI
Burns & Mcdonnell	North Kingstown	RI
Burnscold Heating And Air Conditioning	West Warwick	RI
Butler And Sons Plumbing And Heating	Cranston	RI
Butler Prop Serv Plumbing & Heating Svc	Providence	RI
C & D Mechanical	Cranston	RI
C & K Electric Co. Inc	Providence	RI
C. Caswell Plumbing	Jamestown	RI
C.J. Nemes Inc. Plumbing & Ht	Woonsocket	RI
Cal Supply Co, Inc	Burrillville	RI
Calson Corporation	Johnston	RI
Calyx	Lincoln	RI
Cam HVAC & Construction Inc	Smithfield	RI
Campbell Plumbing LLC	Middletown	RI
Cap Of Providence	Providence	RI
Capitol Plumbing Company	Cumberland	RI
Capwell Heating And Air	Hope Valley	RI
Carbone Plumbing Heating And Air	Cranston	RI
Carjon A/C & Heating Inc	Smithfield	RI
Carl Benevides General Contractor	Bristol	RI
Carter Bros Inc	Pascoag	RI
Cassana HVAC	Johnston	RI
Cavaco Brothers Plumbing & Heating	East Providence	RI
Cd Heating Inc	Cranston	RI
Cec	Mapleville	RI

Vendor	City	State
Century Heating	Smithfield	RI
Certified Energy Consultants	Warwick	RI
Charette Plumbing LLC	Richmond	RI
Charles Doherty And Steve Girard	Warwick	RI
Charles Nichols Plumbing	Warwick	RI
Chaves Services	Middletown	RI
Chevalier Electric LLC	Johnston	RI
Christopher R Lavingne	Pawtucket	RI
Cjc Construction	Warwick	RI
CJ's Plumbing & Heating Specialist	Smithfield	RI
Clearesult	Providence	RI
Clearly Led	Esmond	RI
Clermont Mechanical	Cranston	RI
Clover Engineering	Providence	RI
Cmags HVAC	Warwick	RI
Coastal HVAC	Wakefield	RI
Coastal Plumbing Service Inc	Wakefield	RI
Cola Plumbing & Heating Inc	North Kingstown	RI
Coldmasters	Cranston	RI
Comprehensive Community Action	Cranston	RI
Connolly And Sons Heating Services	Harmony	RI
Continental Engineering Inc	Johnston	RI
Control Systems	Cranston	RI
Controltec LLC	Warwick	RI
Coolsys Energy Solutions	Westerly	RI
Creative Plumbing & Heating In	Newport	RI
Cri LLC	Waskefield	RI
Cross Insulation	Cumberland	RI
Crown Supply Company Inc	Providence	RI
Crowne Plaza	Warwick	RI
Crystal Plumbing & Heating	Providence	RI
Ctc	Newport	RI
Cubo Construction LLC	Central Falls	RI
Cunha Construction	E Providence	RI
CV Construction	Cumberland	RI
CW Cummings Plumbing Co	Coventry	RI
D & V Mechanical Inc	Westerly	RI
D R Appliances	Cranston	RI



Vendor	City	State
D&L Home Services	Warwick	RI
D.S. Plumbing	Coventry	RI
Daikin Applied	Newport	RI
Dalkia Energy Solutions	Cumberland	RI
Danico LLC	Johnston	RI
Darlington Fabrics	Westerly	RI
David Kolator	Middletown	RI
David Nguyen	Barrington	RI
David Parrillo Plumbing, Heating & Son LLC	Hope	RI
David St Angelo	Barrington	RI
David W Bradley Plumbing & Heating	E Providence	RI
Deans Fabrication	Warwick	RI
Delmonico Enterprises Plumbing	Cranston	RI
Delta Mechanical Contractors	Pawtucket	RI
Delta Pump Group	Providence	RI
Dennis Group	North Kingstown	RI
Dennis Pratt Plumbing & Heatin	Harrisville	RI
Deslandes Construction	Warwick	RI
Desmarais Plumbing & Heating Inc	Johnston	RI
Dhg Construction	Cranston	RI
Di Gregorio & Son Inc Plumbing And Heating	N Kingstown	RI
Dirocco Plumbing Services LLC	North Providence	RI
Divona Enterprises	Pawtucket	RI
Doering Equipment Co.	Harrisville	RI
Don Jestings And Sons LLC	Middletown	RI
Done Right	North Providence	RI
Donna R Burke	South Kingstown	RI
Donovan & Sons	Middletown	RI
Douglas Shepard	Wakefield	RI
Driver's Plumbing & Mechanical	Providence	RI
Dsc Heating & Ac	North Kingstown	RI
Dtf Construction Inc	Johnston	RI
Duffy & Shanley Inc	Providence	RI
Dumais Plumbing & Remodeling Inc	Slatersville	RI
Dupuis Oil Co	Pawtucket	RI
Durfee Hardware-Cranston	Cranston	RI
Dynamic Air Systems Inc	E Providence	RI
E And H Properties LLC	Coventry	RI

Vendor	City	State
E.P.M. Plumbing	Woonsocket	RI
E.S. Builders Inc	Charlestown	RI
E2S	Providence	RI
East Bay Air Systems	Riverside	RI
East Coast Building And Remodeling	Scituate	RI
Eastbay Community Action	Riverside	RI
Eastern Elec	Cranston	RI
Eastern Industrial Automation	Pawtucket	RI
Easy Flow Plumbing	W Warwick	RI
Ecologic Insulation	Tiverton	RI
Economy Air Inc	Exeter	RI
Eddy's Weatherization	Providence	RI
Edward Barbosa Plumbing	West Warwick	RI
Edward Camara Plumbing Svc	Lincoln	RI
Edward J Smith	Warwick	RI
Edward Martino	Johnston	RI
Eip Precision Park LLC	North Kingstown	RI
Electrical Wholesalers Inc.	Tiverton	RI
Elizabeth Moloney	Providence	RI
Emanuel P Frias Construction	Lincoln	RI
Emcor Services	Pawtucket	RI
Emergency Response Plumbing Heating And Air Conditioning Inc	Warwick	RI
Emery HVAC	Mapleville	RI
Ene Systems Inc	Cumberland	RI
Energy Conservation Inc	Smithfield	RI
Energy Efficient Exteriors	Pawtucket	RI
Energy Geeks	North Smithfield	RI
Energy Machinery	North Kingstown	RI
Energy Management & Control Services	Providence	RI
Energy Management Collaborative, LLC	Warwick	RI
Energy Management Corporation	Warwick	RI
Energy One	West Warwick	RI
Energy Source	Providence	RI
Energywise Solutions	Warren	RI
Erban Plumbing	Warwick	RI
Eric Young	Barrington	RI
Eurotech Climate Systems LLC	Pawtucket	RI
Evergreen Plumbing & Heating - Warwick	Warwick	RI

Vendor	City	State
Ew Energy Solutions	North Kingstown	RI
Exceptional Heating Co	Providence	RI
F&S Electric	Bristol	RI
Falcon Electric	Pawtucket	RI
Falcon Hydrolics & Boiler Serv	W Kingston	RI
Falvey Linen Supply Inc	Cranston	RI
Fellowship Plumbing And Remodeling	Pascoag	RI
Feula Plumbing & Heating	Johnston	RI
Figlozzi Plumbing & Heating	Peacedale	RI
Fiore And Sons LLC	Warwick	RI
Fire And Ice Heating And Cooling	Warwick	RI
First Response Plumbing	Newport	RI
Five Star Mechanical	Richmond	RI
Fleet Plumbing & Heating Inc	North Scituate	RI
Flex Technology Park	North Kingstown	RI
Fm Bodington Plumbing & Heating Inc	Little Compton	RI
Fox & Delomba Heating, Air Conditioning & Plumbing	Riverside	RI
Francis Heating & Hydronics	E Providence	RI
Frank Dimaio Heating LLC	Cranston	RI
Frontier Mechanical	Providence	RI
Fuji Film	North Kingstown	RI
Furnace & Duct	Providence	RI
G.M. Perron & Son Plumbing & Heating	North Smithfield	RI
Gansett Plumbing	Narragansett	RI
Gas Doctor	Providence	RI
Gas Works	Westerly	RI
Gem Air Services	Providence	RI
George C Moore Company	Westerly	RI
Gino's Plumbing And Heating	Warwick	RI
Giorgi Plumbing & Heating	North Providence	RI
Giorno Plmbg & Htng	Cranston	RI
Giovanni And Sons Construction	Westerly	RI
Gkt Refridgeration	Pawtucket	RI
Global Refrigeration	Cranston	RI
Global Tech	Central Falls	RI
Gomes Heating & Cooling	N Kingston	RI
Gotta Guy Heating And Cooling LLC	West Warwick	RI
Greenville Plumbing & Heating	Greenville	RI

Vendor	City	State
Greenwich Insulation	West Greenwich	RI
Greg Blanchette	N Smithfield	RI
Grenier & Sons Plumbing & HVAC LLC	Foster	RI
Greystone Of Lincoln Inc	North Providence	RI
Gronski Plumbing & Heating	Cranston	RI
H.V. Holland Inc Heating & Ac	Jamestown	RI
Hasoba Contracting	Cranston	RI
Haven Plumbing & Heating Co In	Cranston	RI
Hawkes Plumbing & Heating Co Inc.	Fiskdale	RI
Hc Group LLC	Providence	RI
Heavenly Homes	Cranston	RI
Hebert Design Build	W Kingston	RI
Hi Tech Profiles Inc	Hopkinton	RI
High Low Properties LLC	Riverside	RI
High-Tech Engineering Inc	Hudson	RI
Hm Lei Construction LLC	Woonsocket	RI
Holgate Plumbing And Heating	Tiverton	RI
Hope Global Company	Cumberland	RI
Houle Plumbing & Heating	Greene	RI
Hsp Construction LLC	West Greenwich	RI
Hussmann Corporation	Barrington	RI
Hvac Inc	Cumberland	RI
Hydro-Earth	Cranston	RI
Ianniello Plumbing And Heating	Cranston	RI
Iasimone Plumbing & Heating	N Providence	RI
Industrial Burner Sv	Providence	RI
Innovative Energy And Design	Cumberland	RI
Inovis Energy Inc	Woonsocket	RI
Installed Measures	Coventry	RI
Iroquoian Plumbing & Heating S	Providence	RI
Island Solar Plumbing And Heating	Jamestown	RI
Iwire LLC	Barrington	RI
Izzo	Warwick	RI
J & J Plumbing & Heating Inc	Johnston	RI
J Abrahamson	Greenville	RI
J And B Construction	Providence	RI
J Dunford Plumbing & Heating	W Greenwcih	RI
J Gallant Enterprises LLC	Chepachet	RI

Vendor	City	State
J Joyce Plumbing & Heating	Warwick	RI
J&L Heating And Air Conditioning	Pawtucket	RI
Jacobson Energy Research LLC	Providence	RI
Jake Lavoie Plumbing And Heating LLC	Charlestown	RI
James Cunningham Plumbing	E Providence	RI
Jas Plumbing	North Providence	RI
Jason Truppi Plumbing	N Providence	RI
Jay Packaging	Warwick	RI
Jb Construction	Providence	RI
Jeffrey Berard Plumbing & Mechanical	Warwick	RI
Jeo HVAC LLC	Smithfield	RI
Jg Home Remodeling	Riverside	RI
Jid Heating LLC	Cranston	RI
Jkl Engineering Co. Inc	Providence	RI
Jlj Enterprises DbA Jenkins Heating	Smithfield	RI
Jmac Plumbing & Heating	Warwick	RI
Jmb Plumbing LLC	West Warwick	RI
Jmc Construction	Providence	RI
Jmhvac	Pawtucket	RI
Jo Plumbing	Warwick	RI
Joaquin HVAC & Ref Inc	Portsmouth	RI
Joe Constancia	Bristol	RI
Joel Molina Heating And Plumbing	Cumberland	RI
Joe's Plumbing & Heating	Warwick	RI
John E Allen Plumbing & Heating	Kingston	RI
John Ekdahl	Chepachet	RI
John Fletcher	Ashaway	RI
John Nicholson Mech Contractor	N Scituate	RI
John Schweglewis Plumbing Solutions LLC	N Smithfield	RI
John Villanova	Central Falls	RI
John W Kennedy Company In	East Providence	RI
Johnnys Home Solutions LLC	Central Falls	RI
Johnny's Oil & Heating	Providence	RI
Johnson Controls	Providence	RI
Johnstone Supply - Providence	Providence	RI
Jonathan Svitil	Lincoln	RI
Jose Oliva	Johnston	RI
Joseph C Grimm Plumbing & Heating Inc	Narragansett	RI

Vendor	City	State
Joseph Joyce	Warwick	RI
Joseph Mcdermott Pipeworks	Bristol	RI
Joseph Noonan	Cranston	RI
Jp Island Plumbing	Middletown	RI
Jrah LLC	Warick	RI
Jse Properties LLC	Pawtucket	RI
Jt Mechanical	Johnston	RI
Juan Villanueva	Cumberland	RI
Just Heat	Portsmouth	RI
Jwu	Cranston	RI
K&R Heating And Cooling	Lincoln	RI
Kafin Oil Company	Woonsocket	RI
Kaser Compressors Inc	Cranston	RI
Kazounis Plumbing And Heating	Hope Valley	RI
Keith Industrial Group	Ashaway	RI
Kenneth Aitchson Plumbing	Scituate	RI
Kenneth Townsend	W Warwick	RI
Kenney Manufacturing Co	Warwick	RI
Kenny Pierce	Ashaway	RI
Key Container Corporation	Pawtucket	RI
Kfs Construction Inc	Greenville	RI
Knight Plumbing & Heating	Cranston	RI
Koolco Inc	Wakefield	RI
Kwik Plumbing	Johnston	RI
L & F Plumbing LLC	Cranston	RI
L&B Remodeling	North Providence	RI
L.T. Comfort LLC	Warwick	RI
Lawrence Air Systems	Barrington	RI
Leak Free Lifestyles	Coventry	RI
Leidos Engineering	Providence	RI
Lgo Services	Providence	RI
Light And Live LLC	Providence	RI
Lighting Retrofit Services, Inc.	Providence	RI
Lightserve Corp	Warwick	RI
Limas Construction LLC	Pawtucket	RI
Litemore	Cranston	RI
Little Raven Plumbing And Heating	N Providence	RI
Lucas Milhaupt Inc	Warwick	RI

Vendor	City	State
Lui Plumbing LLC	Newport	RI
Luis Ariza Plumbing & Heating	Providence	RI
Luke Beaudreault	Harrisville	RI
M. Deltufo Plumbing & Heating	E Greenwich	RI
Macari Construction LLC	N Kingstown	RI
Maggiacomo Plumbing Inc	Cranston	RI
Main Street Plumbing LLC	Pawtucket	RI
Malone Plumbing & Heating Inc	Cranston	RI
Marc G Furtado	East Providence	RI
Marcel Ms LLC	Pawtucket	RI
Marcello Demartino	Providence	RI
Mario Silva Plumbing	Bristol	RI
Mario's Reconditioned Appliance Inc	Woonsocket	RI
Mark Dewolf Plumbing & Heating	Bristol	RI
Mark K Dieterich	Naomi	RI
Mark Southworth Maintenance	Johnston	RI
Martel Plumbing & Heating	Lincoln	RI
Martin Rawnsley	N Kingstown	RI
Mastro Electric Supply Co Inc.	Providence	RI
Matt Flush LLC	Greenville	RI
Matt Lugar	Coventry	RI
Matthew K Haczynski	North Scituate	RI
Matthew Nelson	Smithfield	RI
Matt's Mechanical	Smithfield	RI
Mckee Bros Oil Corp	Cumberland	RI
Mechanical HVAC	Peace Dale	RI
Mehboob LLC	West Greenwich	RI
Melanie Aldrich And Son Inc	Warren	RI
Melco Plumbing	Lincoln	RI
Menard Plumbing LLC	Pawtucket	RI
Mendez Services	Providence	RI
Mercury Tec Inc -E Providence	E Providence	RI
Michael Barone Jr	N Providence	RI
Michael E Breton	Kingston	RI
Michael Freitas Plumbing & Mech	Pascoag	RI
Michael Glorgi	Pascoag	RI
Michael J Mendes	Providence	RI
Michael S Yuszczak	Manville	RI

Vendor	City	State
Michaels Heating And Ac	Coventry	RI
Micheal Sullivan	North Kingstown	RI
Midstate Heating & Cooling	Hope Valley	RI
Miniature Casting Corpora	Cranston	RI
Mj Heating & Air Conditioning	Tiverton	RI
Mjf Plumbing And Heating	Bristol	RI
Moonworks	Woonsocket	RI
Moore Company	Westerly	RI
Morezoni Construction LLC	Westerly	RI
Mother Earth Creations Inc	Pawtucket	RI
Motion Ct12	Lincoln	RI
Mpg Mechanical	Charlestown	RI
Mr Plumber	East Providence	RI
Mr. Rooter	Warwick	RI
Mt Giorgi & Daughters LLC	Warwick	RI
Mts Mechanical	East Providence	RI
Murdock Webbing Co	Central Falls	RI
Mutual Engineering	Warwick	RI
N Francis Plumbing LLC	N Kingstown	RI
Narragansett Bay Commission	Providence	RI
National Efficiency Supply	Providence	RI
National Energy Supply (Nes	Providence	RI
National Refrigeration Inc	Warwick	RI
National Service Co	Warwick	RI
National Traffic Services	Cranston	RI
Nds Plumbing & Heating	Warren	RI
Neil Severance	Barrington	RI
Nestor Padilla After Hours Plumbing	Providence	RI
Netzero Insulation Techonolgy	Warwick	RI
New England Boiler Works	West Greenwich	RI
New England Plumbing & Heating	Foster	RI
New England Sheet Metal Inc	Cranston	RI
Newbury Insulation	Woonsocket	RI
Newport County Propane	Middletown	RI
Newport Electric Construction	Bristol	RI
Newport Plumbing & Heating	Portsmouth	RI
Nexgen Mechanical	Warwick	RI
Nexrev	Warwick	RI



Vendor	City	State
Ngb Plumbing & Heating Ac	Pawtucket	RI
Nicholas Schavone	Saunderstown	RI
Nick Bermudez	Pawtucket	RI
Nick Iacobbo	Providence	RI
Nicolas Bermudez	Pawtucket	RI
Nightingale Plumbing & Heating	Providence	RI
Nivaldo Rocha	Pawtucket	RI
Nordson Efd LLC	East Providence	RI
Northern Energy Services Inc.	Providence	RI
Oberon Initiatives Inc	Woonsocket	RI
Ocean State Group LLC	Providence	RI
Okonite Company	Cumberland	RI
Oliveira Plumbing & Heating LLC	Smithfield	RI
Optima Technology	Warwick	RI
Pagnozzi Plumbing LLC	Smithfield	RI
Pajan Services Inc.	Pawtucket	RI
Parameter	Westerly	RI
Paul Dechichio	Providence	RI
Paul Fulton	Providence	RI
Paul G Andrade Contractor	Providence	RI
Paul Musco	Cranston	RI
Paul Truppi Heating	Tiverton	RI
Peak Plumbing And Heating LLC	Cumberland	RI
Pelletier & Son Plumbing	North Kingstown	RI
Perez Plumbing Heating & Air Conditioning	Cranston	RI
Peter Bibby Ponagansett LLC	Providence	RI
Petrarca Plumbing & Heating	Warwick	RI
Petro Home Services	East Greenwich	RI
Phillips Plumbing & Mechanical	Cranston	RI
Phil's Heating & Ac	Westerly	RI
Pickles Plumbing And Heating LLC	Mapleville	RI
Pinnacle Plumbing & Heating	Smithfield	RI
Pipefixers Plumbing	Coventry	RI
Plumb Perfection	Johnston	RI
Plumb Pro LLC	Cranston	RI
Plumbing & Heating Solutions LLC	East Greenwich	RI
Plumbworks	N Smithfield	RI
Polaris Plumbing And Heating Inc	North Kingstown	RI

Vendor	City	State
Pono Plumbing & Heating	Providence	RI
Positive Flow Plumbing Inc	Bristol	RI
Potvin Plumbing & Heating	Warwick	RI
Power Source Electric	W Greenwich	RI
Prakash Hoskere Nagaraj	Cumberland	RI
Preferred Heac Inc	Providence	RI
Premair HVAC	Warwick	RI
Premier Heating & Air	Coventry	RI
Pride HVAC Services	Portsmouth	RI
Prime Heating	Cranston	RI
Priority Plumbing & Heating	Warwick	RI
Prism Consulting Inc.	L Compton	RI
Pro Maintenance LLC	Cranston	RI
Proplumbing Of Ri	West Warwick	RI
Prout Mechanical	Providence	RI
Providence Equity Partner	Providence	RI
Providence Mechanical Serv. LI	Smithfield	RI
Providence Metallizing Co Inc	Providence	RI
Quality Mechanical Services Inc	Exeter	RI
Quality Renovations LLC	Smithfield	RI
Quonset Devel Corp-	North Kingstown	RI
R Distefano Heating & Cooling LLC	Warwick	RI
R.B. Queern & Co Inc	Portsmouth	RI
R.C Plumbing And Heating	Smithfield	RI
R.E. Coogan Heating Inc	Warwick	RI
R.E.M. Mechanical LLC	North Kingstown	RI
Rambone & Sprague Oil Service Inc	N Scituate	RI
Randall Heating	Warwick	RI
Randall Jackvony	Cranston	RI
Ray Ciampanelli Plumbing & Heating Co	Peace Dale	RI
Raymond Degnan	N Providence	RI
Raz Heating & Plumbing Services	Foster	RI
Rcf Plumbing	N Providence	RI
Reddy Piping Concepts	Cranston	RI
Regan Heating And Air Conditioning	Providence	RI
Regine Printing	Providence	RI
Reichert And Sons Fuel Oil Inc	Chepachet	RI
Remodeling Right Inc	Portsmouth	RI

Vendor	City	State
Remy Plumbing & Heating	Warren	RI
Renaissance Sheet Metal LLC	N Kingstown	RI
Repair Services	Providence	RI
Resendes Heating Service LLC	Coventry	RI
Resh Inc	Woonsocket	RI
Residential Heating	Riverside	RI
Restivos Heating & A/C	Johnston	RI
Rf Plumbing & Heating	Johnston	RI
Rg Electrical	Bristol	RI
Rhode Island Infrastructure	Providence	RI
Rhode Island Water Heaters & Plumbing Services LLC	Pawtucket	RI
RI Insulation	Hope	RI
RI Pipe Guys	Warwick	RI
RI Sheet Metal LLC	East Providence	RI
Richburns Plumbing	Portsmouth	RI
Ridco Casting Co	Pawtucket	RI
Rise Engineering	Cranston	RI
Rmd Plumbing And Heating	Portsmouth	RI
Robert Azar	Providence	RI
Robert Larisa	Barrington	RI
Robert S Brown	Woonsocket	RI
Rodriguez Plumbing & Heating	Provincetown	RI
Roi Energy Investments LLC	Warwick	RI
Romco	Warwick	RI
Ronald Hodges	Greenville	RI
Rooter Man Plumbers	Johnston	RI
Rsm	North Providence	RI
Rss Installations	Coventry	RI
Rst Mechanical HVAC	Coventry	RI
Rumford Mechanical	Rumford	RI
S.B. Carbone	Cranston	RI
Sakonnet Plumbing & Heating	Little Compton	RI
Sal Manzi & Son Plumbing & Heating Inc	Cranston	RI
Salve Regina	Newport	RI
Sam Ponte Heating & Ac LLC	Hope Valley	RI
Santoro Oil	Providence	RI
Sas Brothers Inc.	Johnston	RI
Savard Oil Co Inc	E Providence	RI

Vendor	City	State
Sean Welch	Warwick	RI
Sensible Heating & Air Conditioning LLC	Hope Valley	RI
Sharyn Lawler	Warwick	RI
Shawn Duguay	Johnston	RI
Shepard Services	Cumberland	RI
Sherman Plumbing	Rumford	RI
Siemens Mobility Inc	North Kingstown	RI
Sine Plumbing & Heating	E Providence	RI
Skawski HVAC	Hope	RI
Slate & Copper Services I	Portsmouth	RI
Small's Plumbing Inc	Woonsocket	RI
Smithco Oil Service	Wakefield	RI
Smithfield Plumbing & Htng Supply	Greenville	RI
Sol Power Solar, LLC	Hopkinton	RI
Sona Energy Solutions LLC	Warwick	RI
Sonner Plumbing And Heating	Cranston	RI
Sosa & Son Corp A/C Heating, Plumbing Refrigeration	Woonsocket	RI
South County Energy	Westerly	RI
Spain Environmental Inc	Warwick	RI
Spencer's Plumbing	East Greenwich	RI
Sta Cool	Cranston	RI
Stacey Tillinghast	Providence	RI
Standish Brothers HVAC	Coventry	RI
State Of Rhode Island	Providence	RI
Statewide Plumbing & Heating	Cranston	RI
Stedman & Kazounis -Charlestown	Charlestown	RI
Stephen O Scott Plumbing & Heating	Ashaway	RI
Steve Allen Plumbing Service LLC	Wakefield	RI
Steven Atehortua	Providence	RI
Sunshine Fuels & Energy Services Inc	Bristol	RI
Superior Comfort Inc	Bristol	RI
Superior Insulation	Narragansett	RI
Superior Led Light, LLC	East Providence	RI
Superior Plumbing & Heating Co	Cranston	RI
Supply Ne Peacedale	Peacedale	RI
Supply New England - Warwick	Warwick	RI
Susan Cavanna	Westerly	RI
Sylvester Sheet Metal Inc	West Warwick	RI

Vendor	City	State
T&T Plumbing & Heating Inc	Westerly	RI
T. Miozzi	North Kingstown	RI
T.D. Plumbing Inc	East Providence	RI
Ta Gardiner Plumbing & Heating	Bristol	RI
Taco Inc	Cranston	RI
Tanios Bouramia	Warwick	RI
Taylor Chen	Cranston	RI
Teknor Apex Company	Pawtucket	RI
Templar Plumbing	Lincoln	RI
Temptec Mechanical	Providence	RI
The Beadery	Hopkinton	RI
The Drain Pro	Providence	RI
The Hope Group	East Providence	RI
The Moore Company	Westerly	RI
The Plumber Company	Johnston	RI
The Wilkinson Companies	Wakefield	RI
Thermal Energy	Cranston	RI
Therrien Mechanical Systems Li	Lincoln	RI
Thielsch Engineering Inc	Billerica	RI
Thomas Gentz	Charlestown	RI
Thompson Properties LLC	Barrington	RI
Thumbs Up Plumbing	Tiverton	RI
Timothy Fontaine	North Providence	RI
Timothy Gordon	Charlestown	RI
Tom Peters Plumbing & Heating	Portsmouth	RI
Tom Whitaker	Newport	RI
Tomas HVAC	Smithfield	RI
Tom's Plumbing LLC	Manville	RI
Tony Refrigeration LLC	Providence	RI
Tops Lighting (Electric Supply Company)	Providence	RI
Toray	North Kingstown	RI
Total Comfort Heating & Cooling	Cumberland	RI
Total Construction Services In	Providence	RI
Trademark Remodeling LLC	Pawtucket	RI
Tradeposted	Newport	RI
Trane	Warwick	RI
Tri-Country Community Action	Johnston	RI
True Manufacturing Co Inc	Warwick	RI

Vendor	City	State
Tuma Insulations	Warwick	RI
U.G. Nason's Inc	Middletown	RI
Ultimate Plumbing	Warwick	RI
Universal HVAC LLC	North Providence	RI
Uzzi Plumbing & Heating	Westerly	RI
Valcourt Heating Inc	Tiverton	RI
Valley Heating & Cooling	Hope Valley	RI
Valley Plumbing & Heating	Cumberland	RI
Valley Repair Inc	Wyoming	RI
Vaughn Oil Co	Smithfield	RI
Verdek Green Technologies	Cranston	RI
Vermont Energy Investment Corporation	Greenville	RI
Vicentes Pawtucket Inc_Custom_Nite Covers	Pawtucket	RI
Vicmir And Sons Inc	Riverside	RI
Village At Waterman Lake	Greenville	RI
Vincentes Pawtucket Inc	Pawtucket	RI
Vision Energy Solutions	Providence	RI
Vivona Plumbing & Heating Inc	Portsmouth	RI
W R Cobb Company	East Providence	RI
Wade Hawkins	Chepachet	RI
Wagner Plumbing Services	E Providence	RI
Wakefield Heating Service	S Kingston	RI
Wakefield Plumbing LLC	Middletown	RI
Watermark Plumbing LLC	Cranston	RI
Waterplace I Condominium	Providence	RI
Weathertek Insulation	Greene	RI
Wesco Oil Company	Smithfield	RI
Westbay Community Action	Warwick	RI
Wickford App & Lghtng	Pawtucket	RI
Wilkinson Plumbing & Heating LLC	Hopevalley	RI
William J Riley Plumbing & Heating	Warwick	RI
William N Harris HVAC Solutions	Barrington	RI
William Rocchio	Coventry	RI
Women & Infants Hosp	Providence	RI
Wood's Heating Service	East Providence	RI
Wright Comfort Solutions Inc	Coventry	RI
Wyman And Sons Electric	East Greenwich	RI
Wyoming Hardware	Wyoming	RI

Vendor	City	State
Zach Bourassa Heating & Cooling	Lincoln	RI
Zanella Plumbing & Heating	Westerly	RI
Zawadski Plumbing	Warwick	RI
Zeno Controls, LLC	Coventry	RI
Zompa Plumbing & Heating	Warren	RI
Progasket Solutions	Van Buren	AR
Association Of Energy Services	Phoenix	AZ
Cohen Ventures	Oakland	CA
Cprime Inc	San Mateo	CA
Crm Orbit Inc	San Francisco	CA
Hv Industries Inc	Garden Grove	CA
Nuvve Holding Corporation	San Diego	CA
Phoenix Energy	Irvine	CA
Simple Energy Inc	Miraloma	CA
Voltus Inc	San Francisco	CA
E Source Companies LLC	Boulder	CO
Ontech Smart Services	Englewood	CO
Acme Plumbing & Mech	North Stonington	CT
Adam Lambert	Lisbon	CT
Al Carmona	Norwalk	CT
Anchor Installation	Norwich	CT
Capitol Light	Hartford	CT
Ceil Plumbing & Heating	Pawcatuck	CT
CMC Energy Services Inc	Wallingford	CT
Connecticut Temperature Controls LLC	Cromwell	CT
Ct Temp Controls	Cormwell	CT
Ddlc Energy	New London	CT
Duncklee Inc	Stonington	CT
Dylan Larue HVAC Services	Killingly	CT
Dynamic Building & Energy (Formerly Uplands Construction Group)	N. Stonington	CT
Efficient By Design	N Grosvenordale	CT
Harrington Plumbing And Heating	Pawcatuck	CT
Jay's Sheet Metal	Ledyard	CT
Jeff Peterson	Danielson	CT
Jeffrey Strom Plumbing	Wethersfield	CT
Joseph Romano	Stamford	CT
Kk Insulation Inc	North Haven	CT
Lantern Energy	Norwich	CT

Vendor	City	State
Michael Giuffre	Moosup	CT
Mike Tramontano	Danielson	CT
Mystic Plumbing And Heating	Mystic	CT
Sam Bliven P&H Inc	Mystic	CT
Sharpco Inc	North Grosvenordale	CT
Simmons HVAC	Pawcatuck	CT
South Shore Heating & Cooling, Inc	Pawcatuck	CT
Violette Mechanical	Ellington	CT
Wattsaver Lighting Products	East Hartford	CT
Williams & Associates	N Stonington	CT
Wjr Plumbing And Heating LLC	Voluntown	CT
ACEEE	Washington	DC
Cadeo Group LLC	Washington	DC
Energy Solutions Center Inc	Washington	DC
Icf Resources LLC	Wilmington	DE
Ace Hardware	Oak Brook	IL
Hebron Stores	Aurora	IL
Hh Associates Us Inc	Chicago	IL
Innerworkings Inc	Chicago	IL
Roto-Rooter	Chicago	IL
W.W. Grainger, Inc.	Lake Forest	IL
Ingram's Water & Air Equipment	Paducah	KY
3 D Lighting	Franklin	MA
5C Energy	Attleboro	MA
Action Inc	Gloucester	MA
Advanced Energy Services	Hopedale	MA
Advanced Plumbing & Heating	Seekonk	MA
Ags HVAC Services LLC	Westport	MA
Air Tight Insulators	New Bedford	MA
Aks Electrical And Plumbing	Seekonk	MA
Aldo's HVAC LLC	Medford	MA
Alternative Weatherization	Fall River	MA
American Plant Maintenance LLC	Woburn	MA
Andelman And Lelek Engineering Inc	Norwood	MA
Anthony Vieira Heating And Air	North Attleboro	MA
A-Plus Plumbing	Rehoboth	MA
Apm	Worurn	MA
Apollo Lighting & Supply	Holbrook	MA



Vendor	City	State
Arca Recycling Inc	Franklin	MA
Arsenault Plumbing	Dorchester	MA
Aspen Aerogels, Inc	Northborough	MA
Atlantic Electrical Distributors	Shrewsbury	MA
Attention To Detail Plumbing & Heating LLC	Westport	MA
Axion Specialty	Foxborough	MA
B & E Mechanical	Blackstone	MA
B & L Ductless	Swansea	MA
B2Q Associates Inc	Andover	MA
Baylies Insulation	Fall River	MA
Baystate Energy Reduction	Norwood	MA
Beacon Mechanical Services LLC	Stoughton	MA
Belmont Marketplace Inc	Wakefield	MA
Bj's Wholesale Club Inc	Marlborough	MA
Bluemetal An Insight Comp	Watertown	MA
Boston Showcase Co	Newton Highlands	MA
Brian Swett	Boston	MA
Briggs Mechanical	N Attleboro	MA
Bruin Corp	North Attleboro	MA
Building Science & Construction	Braintree	MA
Bulbs.Com	Worcester	MA
C&C Connections	Taunton	MA
C2S Energy	New Bedford	MA
Cadmus Group LLC	Boston	MA
Caliber Building And Remodeling	Sandwich	MA
Camara's Heating & Air	Westport	MA
Cma Heating & Air	North Dartmouth	MA
Coastal Energy Services	Swansea	MA
Columbus Energies Inc	Swansea	MA
Commonwealth Electrical	Worcester	MA
Complete Energy Services	Raynham	MA
Complete Recycling Solutions LLC	Fall River	MA
Concord Electric Supply	Brockton	MA
Consortium For Energy Efficiency Inc	Middleton	MA
Cotti-Johnson HVAC Inc	Taunton	MA
D.C. Plumbing Co	Westport	MA
Dave Kutty Josiah Forcier	Fall River	MA
David Boucher General Contr	Marblehead	MA

Vendor	City	State
David M Clay Plumbing & Heating	Leicester	MA
Diamond HVAC	Westport	MA
Demand Management Institute	Needham	MA
Dube's Plumbing	Blackstone	MA
East Bay Plumbing & Heating	Fall River	MA
Economize Plumbing & Heating	Taunton	MA
Efficiency Forward Inc	Medford	MA
Efficient Buildings	Bridgewater	MA
Electric Supply Center	Burlington	MA
Elite Energy Services	Fall River	MA
Elite Heating & Air Conditioning	Swansea	MA
Enel X North America Inc	Boston	MA
Energiwise Inc	Sutton	MA
Energy Efficiency Group Inc	Norwood	MA
Energy Federation Inc	Westborough	MA
Energy Monster	Worcester	MA
Expandable Sound	East Freetown	MA
F&J Ductless	Falmouth	MA
FIm Plumbing & Heating	Seekonk	MA
Fred Williams Inc	Weymouth	MA
Fuseideas LLC	Winchester	MA
Gaia Temperature Controls	Blackstone	MA
Gervais Mechanical Services LLC	Auburn	MA
Graybar Electric Co.	Westwood	MA
Homans Associates	Wilmington	MA
Homeserve	Woburn	MA
Independent Electric Supply	Somerville	MA
Indresano Energy Company	Wellesley Hills	MA
Insulate 2 Save	Fall River	MA
Ion Lighting Distribution Inc.	West Springfield	MA
Ironman Heating & Cooling	Swansea	MA
J & L Heating And Air	Plainville	MA
J Norman Labrie Plumbing & Heating	Rehoboth	MA
J Rebello Mech Cont Co	Somerset	MA
James R Paige Plumbing & Heati	Brockton	MA
Jay Sheldons Heating	Seekonk	MA
Keith Berard	Rochdale	MA
Kevin Campot Plumbing & Heating	Norton	MA

Vendor	City	State
Kp Sullivan Heating LLC	Blackstone	MA
Kurtis A Paterson Plumbing And Heating	Blackstone	MA
L.S. Heating & Cooling	Seekonk	MA
Liquid Plumbing	Westford	MA
Luis Marin Inc DbA Infnitive Solutions	West Yarmouth	MA
M Sardinha & Sons Plmb & Heating	Fall River	MA
M.C Services & Dumpsters	Seekonk	MA
Machado Plumbing + Heating	Dighton	MA
Mark Cordery HVAC	Berkley	MA
Mazzarella Mechanical	Seabrook	MA
Meadows Plumbing & Heating	Malden	MA
N.E Building And Restoration LLC	North Attleboro	MA
Nesco (Needham Electric Supply)	Canton	MA
New England Energy Concepts	North Dighton	MA
Northeast Electrical Distributors(Needco)	Brockton	MA
Northeast Energy Efficiency Partner	Lexington	MA
NRM	Canton	MA
Nuwave Energy Solutions LLC	Norwell	MA
Oh Burg Corporation	Stoughton	MA
Oracle America Inc	Cambridge	MA
Pacheco Plumbing & Heating	Fall River	MA
Peach Heat And Cool	Raynham	MA
Pipe Right Plumbing And Heating	Framingham	MA
Plumbers Supply Co - New Bdfrd	New Bedford	MA
Prince Noah Heating And Air Conditioning	Rehoboth	MA
Quality Climate Control Inc	Seekonk	MA
R & R Services	Swansea	MA
R. A. M. Heating & Cooling	Somerset	MA
R.J. Laperle Plumbing & Heating	Attleboro	MA
Rapid HVAC & Refrigeration	Seekonk	MA
Raytheon Company	Cambridge	MA
Rdm Plumbing And Heating	Berkley	MA
Rebello Weatherization Inc	Swansea	MA
Remedy X Cooling & Heating	Taunton	MA
Rethinking Power Management LLC	Boston	MA
Retrofit Insulation	Fall River	MA
Revise Energy	Haverhill	MA
Rexel Energy Solutions	Taunton	MA

Vendor	City	State
Rich May Pc	Boston	MA
River Energy Consultants	Fall River	MA
Robbins Plumbing & Heating	Norton	MA
Robinson & Cole Llp	Boston	MA
Rubius Therapeutics Inc	Cambridge	MA
Secure Energy Solutions	East Longmeadow	MA
Seekonk Supply Inc	Rehoboth	MA
Simons-Fall River	Fall River	MA
Standard Electric	Wilmington	MA
Stateline Fuel & Burner Service Inc	Seekonk	MA
Steam Trap Systems	Newburyport	MA
Superior Energy Solutions	Swansea	MA
Supreme Plumbing & Heating	Swansea	MA
Synapse Energy Econ. Inc	Cambridge	MA
T & J Heating & Air Conditioni	Bellingham	MA
Taylor Heating & A/C	Attleboro	MA
Theroux Mechanical	S Attleboro	MA
Thomas Coughlin Longwood Mechanical Group	Quincy	MA
Tma Plumbing & Heating	Westport	MA
Tnz Energy Consulting Inc	Stoughton	MA
Trc Environmental Corporation	Boston	MA
Triangle Refridgeration	Fall River	MA
Triple B Plumbing Inc	Seekonk	MA
Urban Heating And Ac	Carver	MA
Utility Energy Inc	Fall River	MA
Victor Troia	N Attleboro	MA
Victory Heating & Ac Co	Bellingham	MA
Watson Works	Uxbridge	MA
Wipro LLC	Quincy	MA
World Energy	Boston	MA
Your Plumber Inc	Norton	MA
Green & Healthy Homes Initiative In	Baltimore	MD
Ipkeys Technologies LLC	Annapolis Junction	MD
F.W. Webb Company	Winslow	ME
American Moistening	Pineville	NC
Apex Analytics	Greensboro	NC
Coastal Lighting LLC	Wilmington	NC
Honeywell Safety Products Usa Inc	Charlotte	NC

Vendor	City	State
Lowe's Companies Inc	Mooreville	NC
Kt&T Distributors Inc	Nashua	NH
Shamrocks Plumbing	Pelham	NH
Tbd Lighting LLC	Bedford	NH
Dodge Data & Analytics LLC	Hamilton	NJ
Energy Management Associates LLC	Northern	NJ
Shi International Corp	Somerset	NJ
The Okonite Company Inc	Ramsey	NJ
Geotab Usa Inc	Las Vegas	NV
B & H Photo & Video	New York	NY
Breathe Easy Of Cny Inc	Constantia	NY
Centrica Business Solutions Optimiz	Albany	NY
Cha Consulting Inc	Albany	NY
Customertimes Corp	New York	NY
DNV GI Energy Insights Usa Inc	New York	NY
Eastland Alarms	Harrison	NY
Energyhub Inc	Brooklyn	NY
Eric Mower And Associates Inc	Syracuse	NY
Fascaldi Plumbing & Heating-Massap	Massapequa	NY
Green Building Research I	New York	NY
Heat Watch Inc	New York	NY
Horizon Solutions LLC	Rochester	NY
Jsc New England Operating LLC	Lydonville	NY
L&S Energy Services Inc	Clifton Park	NY
Runwise Inc.	New York	NY
Seritage Growth Propertie	New York	NY
Seritage Src Finance LLC	New York	NY
Shm Capri LLC	Albany	NY
The Levy Partnership Inc	New York	NY
Leak Finder Inc	Hudson	OH
Questline Inc	Columbus	OH
Cascade Energy Inc	Portland	OR
Pontoon Solutions Inc	Pittsburgh	PA
Us Energy Solutions, Inc.	Philadelphia	PA
Engie	Houston	TX
Lopez Negrete Communications Inc	Houston	TX
Compressed Air Challenge	Alexandria	VA
Guidehouse Inc	Mclean	VA

Vendor	City	State
Optimal Energy Inc	Hinesburg	VT
Veic	Winooski	VT
Vermont Energy	Winooski	VT
Northwest Energy Efficiency Council	Seattle	WA
Franklin Energy Services LLC	Port Washington	WI
Slipstream Group Inc	Madison	WI
Village True Value	Greendale	WI