

Andrew S. Marcaccio, Counsel
PPL Services Corporation
AMarcaccio@pplweb.com

280 Melrose Street
Providence, RI 02907
Phone 401-784-4263



October 9, 2024

VIA ELECTRONIC MAIL AND HAND DELIVERY

Stephanie De La Rosa, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

**RE: Docket No. 23-35-EE – 2024 Annual Energy Efficiency Plan
2024 Quarterly Reports – Second Quarter**

Dear Ms. De La Rosa:

On behalf of The Narragansett Electric Company d/b/a Rhode Island Energy (the “Company”), enclosed please find the Company’s quarterly report for the second quarter of 2024 in the above-referenced docket. These reports include the quarterly results for the Company’s natural gas and electric energy efficiency programs and a summary of each program’s progress.

Thank you for your attention to this filing. If you have any questions, please contact me at 401-784-4263.

Sincerely,

A handwritten signature in blue ink, appearing to read "Andrew S. Marcaccio".

Andrew S. Marcaccio

Enclosures

cc: Docket No. 23-35-EE Service List

Rhode Island Energy Efficiency

Second Quarter 2024 | Rhode Island Energy

August 14, 2024

Overview

Rhode Island Energy's energy-efficiency programs continued to deliver energy savings for Rhode Island customers through the second quarter of 2024¹ by achieving 138,193 net lifetime MWh of electric savings (18.9% of the net lifetime goal) and 648,259 net lifetime MMBtu of natural gas savings (19.6% of the net lifetime goal).

- **EnergyStar HVAC:** The EnergyStar HVAC Program developed a one-page flyer to provide clarity on various sources of rebates and tax credits, which debuted at the RI Home Show and was hugely popular with attendees. These same opportunities were also promoted through the weekly contractor newsletter.
- **Income Eligible Services (IES):** In Q2, the Rhode Island Community Action Programs continued to overperform on heating system replacements, leading to RI Department of Human Services funding targets being met or exceeded by 5 of the agencies. RISE is working diligently to recruit customers more effectively in underserved areas, including 4 out of 5 defined Equity Zones. Additionally, the transition of the appliance replacement process to a Rhode Island-focused program is finished. All vendors are now local.
- **Large Commercial Retrofit:** The Industrial Initiative program helped a customer to replace five hydraulic injection molding machines which run 24 hours a day, 6 days a week. The new, energy efficient equipment is expected to reduce energy consumption by 25%. Also, 2 customers have installed Building Analytic software and 13 more such projects are in the pipeline.
- **Small Business Direct Install:** The company completed Main Street campaigns in Providence and Pawtucket, resulting in more than 100 audits scheduled. RISE is now

¹ Savings, spend, participation, loan funds, and carbon reduction figures shown in this report primarily reflect data from January 2024 through May 2024. Values in quarterly reports are preliminary and subject to change.

conducting energy assessments to identify efficiency measures and present project proposals to customers.

2024 Program & Initiative Updates – Q2

Residential New Construction (RNC)

The Residential New Construction (RNC) program achieved 1,253 net lifetime MWh of electric savings (7.9% of the lifetime goal) and 16,346 net lifetime MMBtu of gas savings (22.3% of the lifetime goal) through the second quarter of 2024.

Q2 RNC Program Enrollments and Completed Units

- 121 housing units were built to RNC Program standards in Q2
 - 120 units were new construction/full gut rehab (99%)
 - 1 was renovation/rehab (1%)
 - 61 units were market rate (50.4%)
 - 60 units were Income Eligible (49.6%)
 - 69 units had electric heat pumps (57%)
 - 40 units had gas heat (33%)
 - 11 units had either propane or hybrid heat pumps with propane (9%)
- 192 newly planned housing units enrolled in the RNC Program

Q2 RNC Program Trends, Challenges & Solutions

New Construction Challenges in Rhode Island

- According to the US Census Bureau, Rhode Island had the second slowest rate of housing growth in the US between 2022 and 2023, with Alaska being the lowest
 - Despite State and local officials investing millions into increasing Rhode Island's housing stock in recent years, it only grew 0.2 percent between July 2022 and July 2023
- With only just over 1,000 new construction permits pulled each year over the past decade in Rhode Island, and no signs of growth, it has been difficult to increase the number of units participating in RNC
 - Despite these challenges RNC increased the number of homes in the pipeline, and is on track to serve more homes in 2024 than 2022 and 2023

Positive Signs for RNC

Construction has generally recovered from the after-effects of Covid, which caused labor and material shortages and delays in permitting and funding for several years, resulting in prolonged timelines for project starts and completions.

Continued Improvement in Q2

- YTD completed units increased from 2023
 - 2023 (Jan-Jun) – 201
 - 2024 (Jan-Jun) - 253
- The pipeline of projects is growing
 - From 2022 to 2024 the RNC Program enrolled over 1,800 new units in early planning and design phase into the program
 - The pipeline of projects currently receiving support from RNC will result in an increase in completed units in 2024 and 2025 compared to 2022 and 2023
- Many enrolled projects are multifamily affordable housing
- The pipeline of high-performance homes has grown
 - 350 units are currently seeking DOE Zero Energy Homes or Passive House certification through the RNC program

Q2 RNC Program Event and Training Highlights

Rhode Island Certified Passive House Builder (CPHB) Training

In Q2 the RNC team coordinated Certified Passive House Builder training for 26 local builders

- This training was offered as part of Rhode Island Energy's 2024 Workforce Development Plan
- Upon receiving their final certification (exams currently underway) these builders will be certified to build Passive House homes
- This aligns closely with the RNC program's goal to increase the number of certified Passive House homes in the state of Rhode Island
- Upon certification these participants will receive 50% tuition reimbursement from Rhode Island Energy, which is offered to Rhode Island based companies



Pictured above: Certified Passive House Builder training attendees and trainers

Rhode Island Certified Passive House Consultant (CPHC) Certification

In Q2 Rhode Island Energy supported an increase in CPHC professionals in Rhode Island

- CPHCs play a key role in supporting the design, construction, and certification of Passive House buildings
- In Q2 Rhode Island Energy provided tuition reimbursement for 3 local Rhode Island based architects to become CPHCs

Rhode Island PHIUS Chapter Training & Networking Events

- In 2023 the RNC Program partnered with local builders and designers to establish a local Passive House chapter
 - <https://passivehouserri.org/>
- The chapter's mission is to promote the Passive House Building Energy Standard in Rhode Island through public outreach, education, advocacy, and training
- In June, the RNC Program participated in a presentation on High Performance Wall Assemblies hosted by the RI PHIUS Chapter at Union Studio Architects in Providence
- This highly interactive event brought architects, builders, material suppliers and energy consultants together to discuss strategies for best practices

Q2 RNC Program Zero Energy Highlights

Zero Energy Homes Pipeline

- The RNC Program continued to provide technical support for Zero Energy homes across the state, including 114 seeking Passive House certification and 236 seeking DOE Zero Energy Ready certification

- Most homes in the pipeline are affordable housing projects

Zero Energy Project Highlights

Biscuit City, Charlestown

This DOE Zero Energy Ready certified single-family home was specifically designed for the efficient use of materials. The dimensions of the house (20' x 52' first floor and 20' x 36' second floor) allow for the efficient use of sheet goods and framing while also reducing spans. There are no structural beams and point loads in the building, significantly lowering material and labor costs.

The home achieved Tier III (the highest RNC program level), with 46.7% savings over the program baseline, and a HERS Index of -18 after the installation of PV.

Key features:

- Insulation
 - 5" Type IX EPS under the slab: R20
 - 4" Type IX EPS perimeter insulation inside the foundation for thermal break at slab edge
 - 12" double stud wall w/ dense pack cellulose: R43
 - 24" loose fill cellulose in attic: approximately R80
- Exterior Trim and Siding
 - All wood trim and siding installed over rain screen
 - Native pine lumber used for siding
 - Oak harvested from the site used for front porch framing
- Air Barrier
 - 10 mil poly under slab connected to taped zip sheathing on walls connected to Intello on interior of ceilings
- Heating, Cooling & Hot Water Equipment
 - Mini split heat pumps
 - 3.45 EF heat pump water heater
- Windows
 - Triple pane European windows



Cottrell Farms, Tiverton

Three units of high efficiency all-electric DOE Zero Energy Ready Certified affordable housing were built by Church Community Housing Corp.

These homes achieved RNC Program Tier III, with more than 40% energy savings over the program baseline, and HERS Indexes between -9 and -15 after the installation of PV.



Key features:

- Walls: 6" dense pack cellulose plus Zip R12
- Ceiling: 18" cellulose
- Air tightness: all three homes under 260 cfm50
- Slab: R20 under, R15 perimeter
- Heat pumps: 13.5 HSPF/33.1 SEER
- DHW: 3.45 EF heat pump water heater
- Panasonic ERV: 74 sensible/44 total
- Energy Star appliances



Cardinal Lane, Hopkinton

The [first three South County Habitat for Humanity units of seven](#) were completed in Q2. These homes are for households with incomes at or below 80% AMI.

The homes are now DOE Zero Energy Ready certified, and received RNC program Tier III incentives, with energy savings between 49.5 and 55.2% over the program baseline, and HERS Indexes between -13 and -22 after the installation of PV.

In addition to receiving incentives, technical support and Energy Star and DOE ZER verification services through RNC, they are a recipient of ZEOS funds (offered through a partnership between RI Housing and the RI Office of Energy Resources).

The RNC program is working with South County Habitat for Humanity to schedule a tour of this project in August, which will include the completed homes, as well as the remaining homes in various stages of construction.

Income Eligible Services (IES)

The Rhode Island Energy Income Eligible Services program achieved 8,594 net lifetime MWh of electric savings (23.3% of the lifetime goal) and 38,140 net lifetime MMBtu of gas savings (31.4% of the lifetime goal) through the second quarter of 2024.

Challenges and Responses

In Q2, the Company focused on two major efforts:

1. The transition of the appliance replacement process to a Rhode Island-focused program is finished. All vendors are now local. Our efforts in June focused on catching up on rush units. Our mission is to ensure that eligible customers are served in a timeframe reflective of the appliance market, and that invoicing is complete, timely, and accurate. Accomplishing these goals has resulted in happier customers, and an increase in productivity in this area.
2. The Comprehensive Assessment continued through Q2. The IES Lead Vendor continued to provide training to upskill AMP auditors (the baseload electric assessment) to the Comprehensive Assessment. The RI IES Energy Specialists have transitioned to the Comprehensive Assessment, adopting the new process, and improving their skills.

In Q2, the Rhode Island Community Action Programs (CAPs) continued to overperform on heating system replacements. The funding provided by the Rhode Island Department of Human Services (DHS) for heating system repair and replacement has been met or exceeded by five agencies. At the end of the Emergency Heating period which wrapped up on April 30, 2024, Rhode Island Energy is promoting that oil/propane heating systems identified as near end-of-life be replaced with efficient electric heat pump systems. The Company works with supporting stakeholders (RI OER, DHS, DOE, and others) to identify funding and opportunities that can be leveraged to replace oil/propane heating systems with high efficiency heat pumps.

In Q2 the RI IES program continued working with RISE to augment opportunities in four of the five Equity Zones: Providence, Pawtucket, Central Falls and Woonsocket. The East Providence Equity Zone is served by East Bay CAP and is properly allocating resources to

East Providence. The RISE partnership is an extension of programs developed in previous years. In 2024 RISE is not only doing referrals, but also actively recruiting eligible customers in underserved areas. RISE will increase budget utilization, enable RIE to reach more customers, achieve greater energy savings, improve the health and wellness of many income-eligible households, and create a more equitable program. In 2023, the CAP of Providence service territory defined by zip code 02905 was assigned to Comprehensive CAP. Comprehensive CAP continues to serve customers in that area.

The KPI process continued through the second quarter with the goal of improving communications and forecasting between the CAPs and the Company's Lead Vendor. Invitations to attend these monthly meetings are sent to each CAPs Weatherization Director, Julie Capobianco of DHS, and members of the RI IES EE team. These meetings ensure that the CAPs are aware of their KPI goals, their pace to meet the goals and provide a dedicated time for constructive dialog.

In Q2 RIE staff identified enhanced data collection points that will improve reporting. These data points will be added in Q3.

The Q2 Best Practice meeting was a mixed media meeting, with a live component and Teams availability. Invitees included the PUC, the Division, DHS, OER, the EERMC, and the CAP agencies. Topics covered included Introductions, Marketing, Brian Kearney introduction, DOE WAP & Training Update, Clean Heat RI, Pre-Weatherization Barriers, new appliance process and finally a Q&A/open discussion.

Customer Highlight

Gail from Charlestown decided to switch to air source heat pump-ASHP because her neighbor had one installed and raved about it!

EnergyWise Single Family

The EnergyWise Single Family program achieved 6,874 net lifetime MWh of electric savings (45.9% of the lifetime goal) and 384,478 net lifetime MMBtu of gas savings (62.7% of the lifetime goal) through the second quarter of 2024.

The EnergyWise program Lead Vendor conducted 2,446 home energy assessments and managed the completion of 1,357 weatherization projects in the second quarter.

Activities of interest include:

- In-person outreach and engagement activities at:
 - RI Home Show and Energy Expo
 - Warwick Public Library
 - RI Housing Block Party

- Villages at Worden's Pond
- Shaw's Riverside
- Saturday assessments offered during Q2.
- Customer Online Scheduling available to customers.
- Forty-four non-English Assessments have been completed through July.

Challenges and Responses

Demand for Home Energy Assessments continues to lag historic program averages through quarter two. The Company and Lead Vendor implemented a robust marketing campaign to drive customer demand including postcard mailers, targeted e-mails, radio and print ads, bill inserts, online banner ads, native articles, social media ads and Google paid search discovery ads.

The Program continues to offer enhanced incentives including an increased standard incentive from 50% to 75% and a 100% incentive for electrically heated homes.

Customer Highlights

Customer feedback themes from the HEA included:

- "The specialist who visited our home was exceptional - professional, knowledgeable, friendly, and followed up appropriately. He is outstanding."
- "My Home Energy Assessment went very well. My representative was knowledgeable and did a great job. I would highly recommend this program."

Customer feedback themes from weatherization contractors included:

- "I thought the entire process from the initial survey to the work done in my home was flawless. Everyone showed up on time and I was kept informed at every step along the way."
- "My RISE experience was a 10! All staff members were very informed, took their time with the assessment and explained everything to us. The insulation contractor you selected was also a 10!"

Customer Satisfaction Survey Results

Home Energy Assessment Survey for Q2 (n=497)

- Average customer overall satisfaction rating = 9.39 out of 10
- Percent of respondents that would recommend the program = 95.24%

Weatherization Survey for Q2 (n=263)

- Average Customer overall satisfaction rating = 9.14 out of 10

- Percent of respondents that would recommend their contractor=87.83%

EnergyWise Multifamily, Income Eligible Multifamily, C&I Multifamily

The EnergyWise Multifamily program achieved 147 net lifetime MWh of electric savings (1.8% of the lifetime goal) and 24,751 net lifetime MMBtu of gas savings (23.7% of the lifetime goal) through the second quarter of 2024. The Income Eligible Multifamily program achieved 54 net lifetime MWh of electric savings (0.3% of the lifetime goal) and 1,211 net lifetime MMBtu of gas savings (0.7% of lifetime goal) through the second quarter of 2024. The C&I Multifamily program achieved 18,924 net lifetime MMBtu of gas savings (28.8% of the lifetime goal) through the second quarter of 2024.

Customer Highlights

Income Eligible Gas and Electric Project– East Providence:

Income Eligible 154-unit, multi-family gas heating and hot water project. Installed three Lochinvar high efficiency gas condensing boilers, one micro-combined heat and power micro CHP, along with DHW storage tanks and corresponding circulator pumps.

Market rate Gas and Electric Project – North Kingstown:

Comprehensive installation to eleven units including combustion safety testing, attic air sealing, attic flat insulation, duct sealing, and proper bath fan ventilation. Participating units also received low flow showerheads, bath and kitchen aerators, and advance power strips.

Workforce Development

Lead Vendor Rise sent staff to Air Source Heat Pump, air to water systems, and Heat Pump Water Heater training.

Attended AEE/ASHRAE decarbonization working group.

ENERGYSTAR® HVAC (Heating and Cooling)

The ENERGYSTAR® HVAC (Heating and Cooling) program achieved 11,558 net lifetime MWh of electric savings (10.3% of the lifetime annual goal) and 79,572 net lifetime MMBtu of gas savings (36.3% of the lifetime goal) through the second quarter of 2024.

Q2 HVAC Contractor Trainings

13 HVAC training and events were held during the second quarter. The HVAC Program offers several types of live virtual and on-site trainings:

- HVAC Check Testing Procedures
 - AC Check
 - MS Check (*specifically for mini splits*)
 - HVAC Check (*which includes both AC Check and MS Check*)
 - During Q2 the HVAC Program delivered 9 MS Check trainings
- Right Sizing and Equipment Selection
 - Manual D – Duct Design
 - Manual J – Load Calculations
 - Manual S - Equipment Selection
 - During Q2 the HVAC Program delivered 1 Manual J training
- Introduction to Heat Pumps
 - These presentations are intended for a broad audience, including builders, contractors, homeowners, architects and building inspectors and are aimed at raising general awareness of heat pump technology, understanding the importance of sizing, duct design and proper installation, and sharing best practices for operation
 - During Q2 the HVAC Program delivered an Introduction to Heat Pump presentation at the Rhode Island Home Show, and as part of the Rhode Island Building’s Contractor Training & Development Program in partnership with Rhode Island Energy’s Residential New Construction Program
- Zero Energy Homes HVAC Design and System Selection
 - This support is offered to project teams and professionals who design and build Zero Energy certified, high performance and low load homes
 - During Q2 the HVAC Program provided a training on Designing HVAC for Large Spaces with Low Loads for the American Institute of Architects – Rhode Island (AIA-RI)

Q2 HVAC Check Testing

The HVAC Program actively reaches out to HVAC contractors to encourage them to perform HVAC Check testing on new and existing systems, which checks for charge and airflow to ensure proper operation.

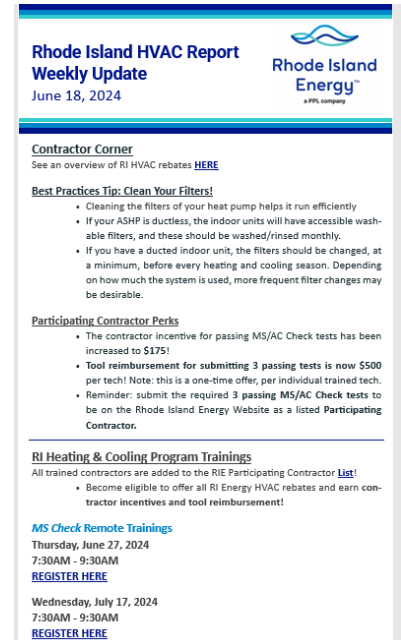
- HVAC Check testing can only be performed in warmer weather months
- During Q2 contractors performed a total of 311 tests

- This is an increase of 31% over Q2 2023

Q2 Weekly HVAC Contractor Newsletter

The HVAC Program prepares and distributes a weekly newsletter for 650+ HVAC companies, contractors, technicians, distributors, trade allies and other industry stakeholders

- Q2 topics included
 - Links to 2024 Program rebate forms
 - Links to upcoming HVAC Check trainings
 - Links to updated HVAC Check test forms
 - Industry best practices for heat pump installation and operation
 - Contractor tips
 - Links to Clean Heat RI
 - Links to Federal Tax Credits
 - Availability of program support in Spanish



Q2 High Efficiency Gas Program Support

The HVAC Program continued to promote Rhode Island Energy's high efficiency gas equipment rebates to distributors, factory representatives and contractors through the weekly newsletter.

Q2 HVAC Program Updates, Challenges and Solutions

DOE SEER2 and HSPF2 ratings are now available for heat pumps

- DOE released new standards for rating the efficiency of heat pumps
- Existing systems need to be tested and re-rated but can continue to be sold under previous ratings through 2024
- To ease the transition to the new ratings the HVAC Program is continuing to accept both ratings through 2024

ENERGY STAR 6.1 Cold Climate certification is now available for heat pumps

- Qualifying systems must be rated under the new DOE guidelines listed above (SEER2/HSPF2) and must be tested and certified to meet ENERGY STAR 6.1 standards
- The HVAC Program is including and promoting ENERGY STAR 6.1 equipment as rebate eligible in 2024

Clean Heat RI

- The RI HVAC Program continued to promote Clean Heat RI in Q2
- Clean Heat RI offers additional incentives for new construction and customers displacing fossil fuel heat with high efficiency heat pumps
- As customers replacing fossil fuel equipment with high efficiency heat pumps are eligible to apply for rebates from both Rhode Island Energy and Clean Heat RI, the HVAC Program is actively encouraging contractors and customers to apply for both through weekly newsletters and updates made to the website and rebate portal, which all include links to Clean Heat RI

Multiple rebate offerings and tax credits are good news for Rhode Islanders but can create confusion

- To provide clarity the HVAC Program developed a one-page flyer displaying all available options with links and QR codes to each offering
 - This flyer was popular with RI Home Show attendees looking to explore rebate, financing, and tax credit options for heat pumps
- The HVAC Program also promoted the availability of these additional opportunities through the weekly contractor newsletter

Residential Consumer Products

The Residential Consumer Products program achieved 1,385 net lifetime MWh of electric savings (9.0% of the lifetime goal) through the second quarter of 2024.

Q2 Recycling

The dehumidifier recycling event schedule has been solidified for 2024 with 15 geographically dispersed events organized throughout the state. Through June, 717 dehumidifiers have been recycled over six (6) events, compared to 460 units in 2023. RIE is on pace to exceed last year's record-setting achievement.

Let's do some good—
and get paid for it.



**Get \$30 for recycling at our Dehumidifier
Turn-in Event**

Saturday, June 1, 2024
9:00 AM - 1:00 PM
Home Depot
371 Putnam Pike
Smithfield, RI 02917

Every drop of change creates an ocean of good. That's why we're excited to help make saving energy and money a little easier at our dehumidifier turn-in event.

Bring us your old, working dehumidifier.
If possible, please print and complete [this form](#) and bring it with you to the recycling event.

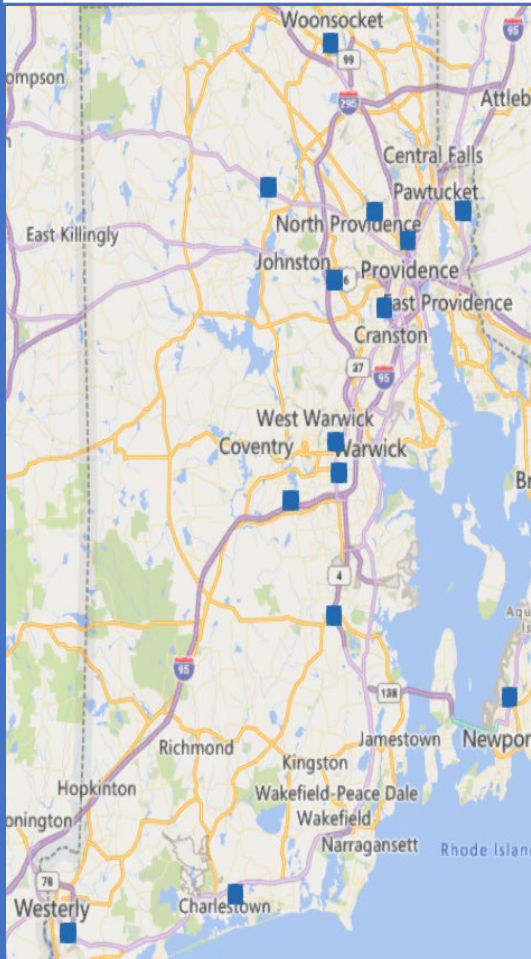
We'll recycle it and send you a \$30 rebate check.

[Learn more](#)

Follow us!



Event Date	City	State
4/6/2024	Pawtucket	RI
4/27/2024	Charlestown	RI
5/4/2024	Providence	RI
5/25/2024	Warwick	RI
6/1/2024	Smithfield	RI
6/29/2024	Cranston	RI
7/6/2024	N. Kingstown	RI
7/27/2024	N. Smithfield	RI
8/3/2024	Westerly	RI
8/31/2024	Middletown	RI
9/7/2024	N. Providence	RI
9/14/2024	Charlestown	RI
9/28/2024	Coventry	RI
10/5/2024	Johnston	RI
10/26/2024	Warwick	RI



The appliance recycling “pick up at the home and small business” request for proposal was issued in the first quarter of 2024. This popular program is expected to re-launch in late Q3’2024.

Compass Hardware Recycling Event: Charlestown, RI 102 Units Recycled:



From: compasshardware.com>
Sent: Saturday, April 27, 2024 3:21 PM
Subject: Re: [EXTERNAL] Re: Charlestown dehumidifier recycling e-mail

Closing in on triple the sales and there are still 100min left in the day!

Had at least 3 folks wandering around here because this was the first they'd ever heard of us, which is odd since we did exactly this last year, and the year before etc.

Thank you,

Store Manager
Compass Hardware
8 Ridgewood Rd, Charlestown, RI 02813

Promoting Energy Star “Most Efficient” (ESME) Products:

The implementation vendor was busy promoting the instant rebate program providing RIE customer an easy and cost effective way to purchase ESTAR Most Efficient products. The use staffed educational tables and bold and bright informative marketing materials makes it easy for customers to become educated on the advantages of highly efficient household products. A sample of materials is as follows:

A Frame Displays: Home Depot: Westerly





Most Efficient Dehumidifiers: HD – Johnston Room Air Cleaners: Lowe’s North Providence



Consumer Education: Staffed Educational Events/Tables:

These events provide an opportunity for RIE customers to ask questions and gain information about a broad range of energy efficiency programs as well as other programs offered by RIE, such as home audits.

Educational table at Home Depot in North Kingstown, RI



Energy Star Product Challenge – Lowe’s & Home Depot confirmed their inability or interest to stock Most Efficient Dehumidifiers across the nation. Additionally, these retailers will not be stocking Energy Star Room Air Conditioners while they move to offer lower price units to drive sales.

Home Energy Reports (HER)

The Home Energy Reports (HER) program achieved 12,756 net lifetime MWh of electric savings (54.6% of the lifetime annual goal) and 44,324 net lifetime MMBtu of gas savings (51.7% of the lifetime goal) through the second quarter of 2024.

In April, Home Energy Reports focused on insulation and weatherization. May HERs promoted energy efficient appliances and June featured efficient cooling.

Save on insulation with a Home Energy Assessment



Homes with electric heat may be eligible for 100% off approved insulation up to \$10,000. Homes with other heating fuel types may be eligible for 75% off approved insulation up to \$10,000. Renters and landlords of 1-4 unit properties may qualify for 100% off approved insulation up to \$10,000 per unit.

Get rebates on ENERGY STAR® appliances!



This year, Rhode Island Energy is offering new instant in-store rebates at Lowe's and Home Depot locations across the state. All you need to do is look for the ENERGY STAR Most Efficient label on washing machines, dryers, refrigerators, dehumidifiers, and room air conditioners.

Is your AC costing you?



Inefficient air conditioners waste energy and money. Upgrade to an efficient model for a cool, savings filled summer. Get a \$40 rebate on an ENERGY STAR® certified room air conditioner, or a larger rebate for installing a new electric heat pump.

Code Compliance Enhancement Initiative (CCEI)

Overview

The Codes & Standards Initiative (CSTS) continued to provide training, circuit riders, resources (FAQs, technical bulletins, checklists) and a helpline offering custom technical support, plan review and on-site training.

CSTS is currently providing support with meeting the existing energy code, and preparing the industry for the next energy code to be adopted in Rhode Island. The International Code Council (ICC) approved the 2024 IECC in March 2024, which should be ready for full adoption in Rhode Island by the end of 2024.

Overview of Trainings

Q2 Trainings

- 14 training events with 337 attendees were held during the second quarter
 - 10 residential trainings, with 232 attendees
 - 4 commercial training, with 105 attendees

Q2 Training Topics

- Residential
 - 2024 IECC Update
 - Envelope & Building Science - Vapor Barrier Control Layers
 - Envelope & Building Science – Advanced Framing
 - HVAC - Designing HVAC for Low Load Homes
 - HVAC - Introduction to Residential Air Source Heat Pumps
 - Green Building Standards
- Commercial
 - 2024 IECC Update
 - Introduction to Building Commissioning
 - Advanced Building Commissioning

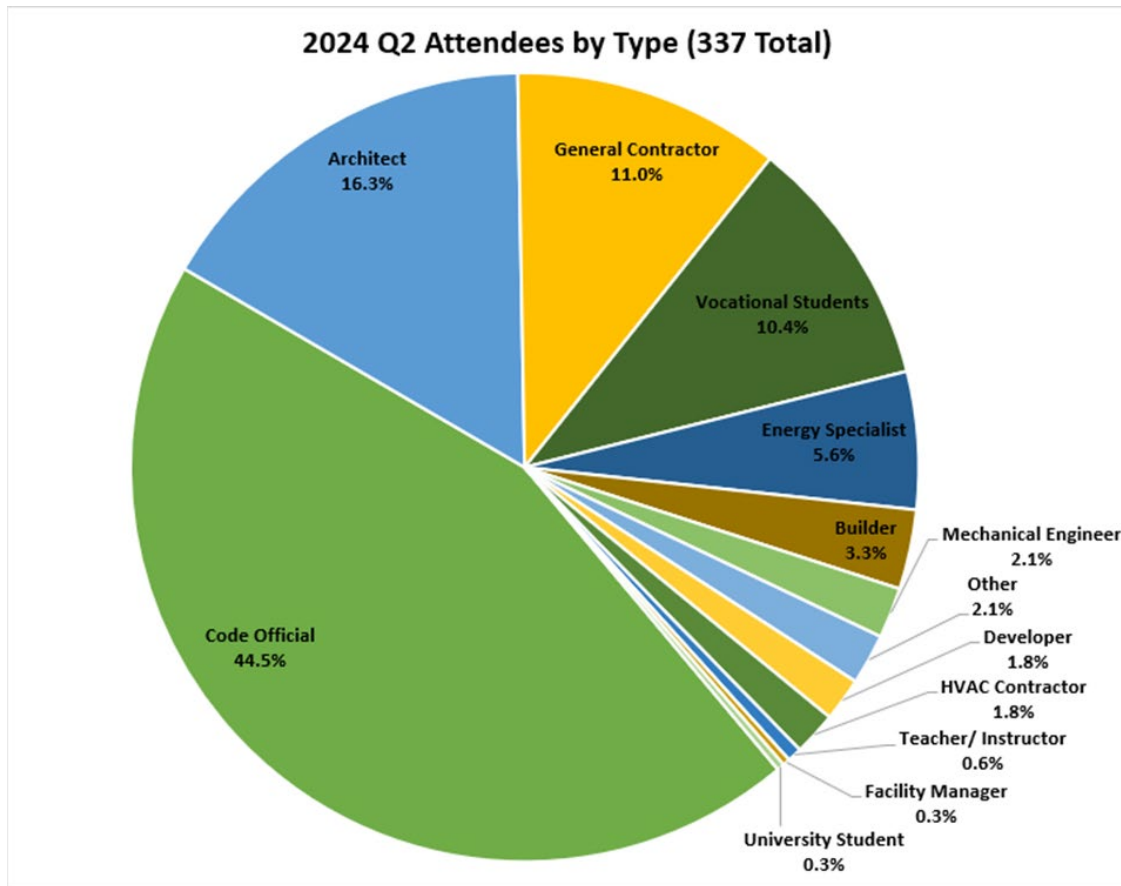
Q2 Training Locations

Some trainings continue to be delivered virtually, particularly those in partnership with AIA-RI, RIBA, and the RI Association of Realtors, who integrate these trainings into the education curriculum for their members

- 8 trainings were held in person (57%) at the following locations

- o Viessmann Manufacturing Co., Warwick
- o RIBOA Expo, East Greenwich
- o Residential Construction Workforce Partnership, Coventry
- o Chamber of Commerce, Warwick
- o New England Institute of Technology, East Greenwich
- o ASHRAE Chapter Meeting, East Greenwich

Q2 Training Participants



Q2 CSTS Updates, Challenges & Solutions

Energy Code Update – Moving from 2018 IECC (with RI Amendments) to 2024 IECC

- 2023 legislature requires the state to adopt 2024 IECC within 90 days of publication, without weakening amendments
 - o RI General Assembly passed H6101/S0855 Sub A: <http://webserver.rilegislature.gov/BillText/BillText23/SenateText23/S0855A.pdf>

- This legislation also requires RI to adopt the electric readiness provisions in the 2024 IECC within one year of publication
 - These were relegated to an appendix during the final ICC approval process
- 2024 IECC, approved by the ICC in March 2024, is anticipated to be published in August, making Rhode Island potentially first in the nation to adopt
- Weakening residential amendments, which have been in place since the state's adoption of 2012 IECC in 2013, will finally be removed
 - Removal of these amendments, as well as the adoption of the new base code and subsequent electric readiness provisions, will present a steep learning curve for the industry
- CSTS is working closely with key industry stakeholders including the Building Commissioner, RIBA, AIA and other organizations to support the transition

Q2 2024 IECC Transition Support

Trainings:

- In advance of adoption, CSTS developed and delivered new presentations based on content available from the ICC to prepare the industry for significant changes associated with the new energy code, including how designers, builders, and contractors will need to comply with 2024 IECC, as well as changes for code inspectors to verify compliance
 - 2024 IECC Residential trainings were launched in late 2023, with 16 delivered so far to diverse stakeholders including building inspectors, architects, builders, developers, contractors and energy specialists
 - 2024 IECC Commercial trainings were launched in Q2 2024, with two trainings delivered for building officials and architects

Train the Trainer:

- CSTS is expanding the team of knowledgeable and experienced trainers who can provide trainings on behalf of the Initiative to:
 - Increase the number of trainings
 - Reach a wider audience across industry sectors
 - Ensure comprehensive state-wide coverage
 - Provide consistent information, rooted in building science and best practices
- CSTS invited professionals with a range of industry experience including builders, building officials, contractor trainers, contractors and architects to attend a series of 3 advanced workshops to provide in depth information about the new code
- The first two sessions were held in Q2
- The final session will be scheduled once the code has been approved in Rhode Island

- Upon successful completion of these workshops, participants will have the knowledge and resources to provide comprehensive energy code training



Pictured above: Workshop #1 in Warwick and Workshop #2 in Coventry

Circuit Rider Support:

- CSTS offers a toll-free number and email address to provide answers to questions about the code
- CSTS provides on-site technical support with meeting the new code

Supporting Resources:

- Once 2024 IECC has been officially published, CSTS will update existing toolkits and resources such as FAQs, checklists, and technical bulletins for distribution
- Resources will be made available in both English and Spanish

Q2 Industry Stakeholder Partnership Support, Engagement & Training Highlights

Rhode Island Builders Association (RIBA)

CSTS continued to partner with RIBA to deliver trainings as part of their Contractor Training & Development Program.

- Q2 topics
 - April: Residential HVAC - Introduction to Residential Air Source Heat Pumps
 - May: Residential Green Building Standards
 - June: Residential Envelope and Building Science – Advanced Framing
- These trainings are approved for RI Contractor Registration & Licensing Board CEUs

CSTS continued to submit articles for RIBA's [monthly RI Builder magazine](#) during the quarter

- Q2 topics
 - Overview of Passive House
 - How Much Will It Cost to Meet the New Energy Code?

American Institute of Architects - Rhode Island (AIA-RI)

CSTS continued to partner with AIA-RI to offer AIA accredited trainings as part of their monthly Continuing Education virtual Lunch and Learn series

- Q2 topics
 - April: Commercial: Introduction to Building Commissioning
 - May: Residential: Designing HVAC for Low Load Homes
 - June: Commercial: Advanced Building Commissioning

Rhode Island Building Officials

In partnership with the RI Building Commissioner CSTS provided training on 2024 IECC specifically for code officials and building inspectors. Content focused on key new requirements, and how they will directly affect code officials and building inspectors.

The full day event took place at the New England Institute of Technology, with Residential Energy Code training in the morning and Commercial Energy Code training in the afternoon.

Viessmann Manufacturing, Co.

CSTS continued its longstanding partnership with Viessmann in Warwick. Viessmann offers their training space and integrates additional trainings into the schedule. Events include tours of their facility and training labs.

In Q2 CSTS provided trainings on the Residential and Commercial 2024 IECC.

Rhode Island ASHRAE Chapter

CSTS partnered with the RI ASHRAE Chapter to deliver a training on IECC 2024. This was requested by a member who had attended a previous CSTS training in January

This is a new training partnership and CSTS will work with the Chapter to provide commercial energy code trainings in the future



RIBOA Expo

CSTS attended and presented at the annual RIBOA Expo, held at the New England Institute of Technology.

CSTS and Residential New Construction (RNC) program teams staffed a booth at the event, sharing information about RI Energy's programs, including CSTS, RNC, HVAC and EnergyWise.

CSTS presented on Envelope & Building Science - Vapor Barrier Control Layers to contractors, code officials and students from several local Tech Schools:

- Warwick Area Career and Technical Center
- Chariho Career and Technical Center
- Woonsocket Area Career and Technical Center



Pictured above: training attendees (left), CSTS/RNC team table with Blower Door set-up (top right) and students from WACTC (bottom left)



Large Commercial New Construction

The Large Commercial New Construction program achieved 17,888 net lifetime MWh of electric savings (9.9% of goal) and 47,092 net lifetime MMBtu of gas savings (7.2% of goal) through the second quarter of 2024.

There are currently 107 active projects as of Q2 representing approximately 7 million square feet of building space. For these projects:

- 24 projects are using the New Construction Zero Net Energy/Low-EUI Pathway, and 55 projects are using the Non-EUI Pathway (remaining 28 projects are not yet classified)
- 10 projects have technical assistance studies in progress

Large Commercial Retrofit

The Large Commercial Retrofit program achieved 64,150 net lifetime MWh of electric savings (26.5% of goal) and -50,639 net lifetime MMBtu of gas savings (-4.7% of goal)² through the second quarter of 2024.

Industrial Initiative & Building Analytics Program

A customer had five existing hydraulic injection molding machines that they wanted to replace. The facility operates 24 hours/day, 6 days/week, 50 weeks per year with annual operating hours of 7,200. This project was considered “time of replacement” due to the age of the machines and the energy efficient equipment is expected to reduce energy usage by approximately 25%.

A total of 2 customers have installed Building Analytic software to date. An additional six customers were provided proposals by Building Analytics software vendors and seven other customers are considering participating in the program.

EnergySmart Grocer Initiative

Savings from the EnergySmart Grocer Initiative are slower than anticipated in 2024 due to a recent announcement by AHOLD to close two Rhode Island Stop&Shop supermarkets that had been considering lighting and refrigeration projects. In addition, a recent evaluation of the

² Negative savings are due to a review of commissioning data.

ESPO condenser coil cleaning measure significantly reduced the lifetime savings for this measure, which had become one of the most common energy efficiency measures in the EnergySmart Grocer Initiative.

Serve UP Savings Initiative

The Serve Up Savings Initiative replaced three shaded pole motors with electronically commutated motors, improving overall efficiency of the fan operation in the walk-in coolers.

Strategic Energy Management Partnerships (SEMP)

Rhode Island Energy has 13 SEMP partners including public entities, colleges and universities, an industrial park, a healthcare provider, and large retail businesses. Since 2013, more than 825 energy efficiency projects have been implemented by Rhode Island Energy and its SEMP partners.

Q2 2024 highlights include:

- The City of Providence signing a SEMP Memorandum of Understanding
- Rhode Island Energy co-hosting an energy efficiency workshop with the Quonset Development Corporation

Small Business Direct Install

The Small Business Direct Install (SBDI) program achieved 13,533 net lifetime MWh of electric savings (22.6% of goal) and 44,062 lifetime MMBtu of gas savings (37.1% of goal) through the second quarter of 2024.

LED Retrofit Kits and Luminaires

The table below shows the number of luminaires and retrofit kits with controls through Q2, 2024.

Period	Luminaires	Luminaires with controls	Retrofit kits	Retrofit kits with controls
2020	13,032	149	17,260	450
2021	12,804	246	15,932	908
2022	9,918	2,256	8,675	856
2023	9100	1,152	6,009	589
2024	3978	214	2713	203

Highlights

An office building of approximately 8,000 square feet in East Providence is completing lighting and weatherization projects with a total cost of approximately \$22,000 and energy bill savings of approximately \$2,000 per year.

A restaurant in East Providence is completing projects involving variable frequency drives, refrigeration measures, and weatherization measures for a total cost of approximately \$35,000 and energy bill savings of approximately \$9,500 per year.

Main Street campaigns were completed in Providence and Pawtucket, resulting in more than 100 audits scheduled. RISE is now conducting energy assessments to identify efficiency measures and present project proposals to customers.

Challenges and Responses

The launch of the new tracking system i-Energy in early June disrupted the vendor's ability to enter and track projects and then generate customers' project proposals. These issues have now mostly been resolved and the vendor is addressing the backlog.

Evaluation, Measurement, and Verification

No new evaluation studies were completed in the second quarter of 2024.

Several studies were in progress at the end of the second quarter:

- C&I New Construction Baseline Study
- Electric Heat Customer Characterization Study
- Residential Market Research – Moderate Income
- Impact Evaluation of Program Year (PY) 2022 Custom Gas Installations
- Impact Evaluation of Program Year (PY) 2022 Custom Electric Installations
- Comprehensive Measure Life Review, Phase II
- Income Eligible Single Family Impact Evaluation
- Process Evaluation of C&I New Construction Program
- Process Evaluation of C&I Custom Approach
- Multifamily Custom Measure Impact Evaluation
- Multistate C&I Lighting Market Research

The Company will provide further updates on these ongoing studies and new studies throughout 2024.

Equity Working Group:

Green and Healthy Homes Initiative facilitates EWG meetings and prepares recommendation reports for inclusion in RIE's 2025 Annual Plan. At the request of the EWG and the EEC, the group met with the URI Extension Energy Literacy Initiative, RISE Engineering, and CLEAResult about outreach initiatives. RIE Consumer advocates shared their experiences working with customers directly at expos.

To increase participation rates from residents living in equity communities, the City of Central Falls sent a direct mailer to all residents including homeowners and landlords.

RISE now offers EnergyWise audit scheduling in Spanish for residents and small businesses. A partnership with Rhode Island Commerce is being built to share information with the small and minority businesses funded and supported by the quasi-state agency.

New marketing materials were created in English and Spanish to explain the steps involved in a home energy assessment to remove confusion as a barrier to participation.

New members were added to the group to share community feedback from the following organizations:

- OLIS – shares resources to 48 library directors to share with patrons statewide
- Providence Public Library – serves Justice40 areas, LMI targeted areas
- Ocean State Center for Independent Living – serves disabled Rhode Islanders
- RI Food Bank – RIE will table at first annual resource fair in September 2024
- Cranston Health Equity Zone – provides farmers' markets, childcare, and other health resources for underserved residents
- City of Providence - serves Justice40 areas, LMI targeted areas. Email newsletter goes non-profits supporting underserved residents.

Demonstrations, Pilots, Assessments

DPA Name		Q2 2024 Updates
<u>Automated RTU Optimization - Demonstration - C&I</u>	Date	8/14/2024
	Stage	Evaluate
	Recent Activity	Evaluation report completed
	Next steps	Integrate strategies into program design and implementation
<u>Weatherization – Demonstration – C&I</u>	Date	8/14/2024
	Stage	Evaluate
	Recent Activity	Evaluation report completed
	Next Steps	Integrate strategies into program design and implementation
<u>Residential Equity Outreach Assessment – Assessment - Resi</u>	Date	8/14/2024
	Stage	Design
	Recent Activity	Conducted outreach to landlords and renters; considering expansion into other Equity Zones.
	Next Steps	Employ Phase 2 outreach strategies in Central Falls and strategize expansion.
<u>Multifamily Financing – Demonstration - Resi</u>	Date	8/14/2024
	Stage	Design
	Recent Activity	Finalized contract with BlocPower, reached agreement on each party’s responsibilities
	Next Steps	Launch offering in Fall 2024

RHODE ISLAND ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND
Table 1: Summary of Electric 2024 Target and Preliminary 2nd Quarter Results

ELECTRIC PROGRAMS Sector and Program	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(18)	(13)	(14)	(15)	(19)	(16)	(17)
	Demand Reduction (Annual kW)			Energy Savings (Annual MWh)			Customer Participation			Expenses (\$ 000)				Energy Savings (Lifetime MWh)				\$/Lifetime kWh	
	Target	Year To Date	Pct Achieved	Target	Year To Date	Pct Achieved	Target	Year To Date	Pct Achieved	Budget	Year To Date	Pct Achieved	Year End Forecast	Target	Year to Date	Pct Achieved	Year End Forecast	Target \$/kWh	Year to Date
Commercial and Industrial																			
Large Commercial New Construction	1,499	192	12.8%	11,956	1,075	9.0%	46	13	29.1%	\$ 9,227.2	\$ 1,558.1	16.9%	49.5%	181,356	17,888	9.9%	63.9%	\$ 0.051	\$ 0.087
Large Commercial Retrofit	6,157	1,264	20.5%	34,603	10,018	29.0%	2,170	1,183	54.5%	\$ 22,797.9	\$ 6,040.7	26.5%	103.6%	242,515	64,150	26.5%	104.3%	\$ 0.094	\$ 0.094
Small Business Direct Install	684	307	44.9%	8,370	1,728	20.6%	343	147	42.8%	\$ 8,199.9	\$ 1,198.6	14.6%	97.0%	59,873	13,533	22.6%	100.0%	\$ 0.137	\$ 0.089
Community Based Initiatives - C&I										\$ 57.9	\$ 3.4	5.8%	100.0%						
Commercial Workforce Development										\$ 74.9	\$ -	0.0%	100.0%						
SUBTOTAL	8,340	1,763	21.1%	54,929	12,821	23.3%	2,559	1,343	52.5%	\$ 40,357.8	\$ 8,800.7	21.8%	89.9%	483,744	95,571	19.8%	88.6%	\$ 0.083	\$ 0.092
Income Eligible Residential																			
Single Family - Income Eligible Services	320	71	22.2%	2,466	525	21.3%	3,153	971	30.8%	\$ 12,237.4	\$ 4,253.9	34.8%	100.0%	36,840	8,594	23.3%	100.0%	\$ 0.332	\$ 0.495
Income Eligible Multifamily	45	7	16.8%	1,220	54	4.5%	2,823	0	0.0%	\$ 3,784.2	\$ 142.4	3.8%	79.5%	18,518	54	0.3%	79.9%	\$ 0.204	\$ -
SUBTOTAL	364	78	21.5%	3,686	580	15.7%	5,976	971	16.2%	\$ 16,021.6	\$ 4,396.3	27.4%	95.2%	55,358	8,649	15.6%	93.3%	\$ 0.289	\$ 0.508
Non-Income Eligible Residential																			
Residential New Construction	18	14	77.7%	735	56	7.6%	415	253	60.9%	\$ 1,312.7	\$ 263.8	20.1%	100.0%	15,904	1,253	7.9%	100.0%	\$ 0.083	\$ 0.210
ENERGY STAR® HVAC	570	39	6.9%	6,598	644	9.8%	6,457	1,523	23.6%	\$ 6,570.7	\$ 1,319.1	20.1%	100.0%	112,749	11,558	10.3%	100.0%	\$ 0.058	\$ 0.114
EnergyWise	228	99	43.4%	1,264	588	46.5%	9,592	3,983	41.5%	\$ 16,277.7	\$ 5,804.5	35.7%	95.2%	14,991	6,874	45.9%	94.7%	\$ 1.086	\$ 0.844
EnergyWise Multifamily	44	4	9.6%	505	23	4.5%	1,768	83	4.7%	\$ 1,291.9	\$ 186.8	14.5%	80.1%	8,122	147	1.8%	80.0%	\$ 0.159	\$ 1.274
Residential Consumer Products	631	69	10.9%	2,815	191	6.8%	26,628	423	1.6%	\$ 1,987.4	\$ 431.9	21.7%	100.0%	15,323	1,385	9.0%	50.0%	\$ 0.130	\$ 0.312
Home Energy Reports	3,212	1,754	54.6%	23,359	12,756	54.6%	280,116	21,876	7.8%	\$ 2,123.3	\$ 890.6	41.9%	86.7%	23,359	12,756	54.6%	54.6%	\$ 0.091	\$ 0.070
Community Based Initiatives - Residential										\$ 139.4	\$ -	0.0%	100.0%						
Comprehensive Marketing - Residential										\$ 326.5	\$ 152.5	46.7%	100.0%						
SUBTOTAL	4,702	1,979	42.1%	35,276	14,258	40.4%	324,977	28,141	8.7%	\$ 30,029.6	\$ 9,049.3	30.1%	95.6%	190,447	33,973	17.8%	89.1%	\$ 0.158	\$0.266
Regulatory																			
EERMC										\$ 645.1	\$ 125.6	19.5%	100.0%						
OER										\$ 1,387.7	\$ 608.7	43.9%	100.0%						
RI Infrastructure Bank										\$ 3,737.5	\$ 1,868.7	50.0%	100.0%						
SUBTOTAL										\$ 5,770.3	\$ 2,603.1	45.1%	100.0%						
TOTAL	13,406	3,820	28.5%	93,891	27,659	29.5%	333,513	30,455	9.1%	\$ 92,179.3	\$ 24,849.4	27.0%	93.3%	729,550	138,193	18.9%	89.1%	\$ 0.126	\$0.180

NOTES
(1)(4)(7) Targets from Docket 23-35-EE - Attachment 5, Table E-7, Refiled December 20, 2023.
(3) Pct Achieved is Column (2)/ Column (1).
(6) Pct Achieved is Column (5)/ Column (4).
(7) Participation was planned and is reported in 'net' terms which takes into account free-ridership and spillover.
(9) Pct Achieved is Column (8)/ Column (7).
(10) Approved Implementation Budget from Docket 23-35-EE, Attachment 5 Table E-3 (electric), Refiled December 20, 2023.
(11) Year To Date Expenses include Implementation expenses.
(12) Pct Achieved is Column (11)/ Column (10).
(16) Planned \$/lifetime MWh from Docket 23-35-EE- Attachment 5, Table E-5, Refiled December 20, 2023 - adjusted to reflect format of quarterly report. Program Implementation Expenses/lifetime kWh.
(17) \$/lifetime kWh = Column (11)/Column (14)
(18) (19) Year End Spending and Energy Savings forecasts are best estimates based on the information available and may change throughout the year.
Values in quarterly reports are preliminary and subject to change. Data is finalized in the Year-End Report.

RHODE ISLAND ENERGY ENERGY-EFFICIENCY PROGRAMS IN RHODE ISLAND
Table 2: Summary of Gas 2024 Target and Preliminary 2nd Quarter Results

GAS PROGRAMS Sector and Program	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(16)	(10)	(11)	(12)	(17)	(13)	(14)	(15) Peak Hour Gas Demand Savings (MMBtu)
	Energy Savings (Annual MMBtu)			Customer Participation			Expenses (\$ 000)				Energy Savings (Lifetime MMBtu)				\$/Lifetime MMBtu		
	Year To Target	Pct Date Achieved	Pct Achieved	Target	Year To Date	Pct Achieved	Budget	Year To Date	Pct Achieved	Year End Forecast	Planned	Year To Date	Pct Achieved	Year End Forecast	Planned	Year to Date	Year to Date
Commercial and Industrial																	
Large Commercial New Construction	44,443	3,047	6.9%	63	8	12.0%	\$ 2,236.4	\$ 491.2	22.0%	52.5%	657,560	47,092	7.2%	27.1%	\$ 3.40	\$ 10.43	1.52
Large Commercial Retrofit	100,812	(2,057)	-2.0%	59	9	14.6%	\$ 4,476.5	\$ 358.1	8.0%	51.0%	1,075,167	(50,639)	-4.7%	57.1%	\$ 4.16	\$ (7.07)	(1.03)
Small Business Direct Install	9,857	6,977	70.8%	148	108	73.4%	\$ 757.3	\$ 291.5	38.5%	112.2%	118,655	44,062	37.1%	100.0%	\$ 6.38	\$ 6.62	3.49
Commercial & Industrial Multifamily	4,205	800	19.0%	495	3	0.6%	\$ 879.8	\$ 206.0	23.4%	90.9%	65,609	18,924	28.8%	91.5%	\$ 13.41	\$ -	0.40
Commercial Pilots							\$ -	\$ -	0.0%	0.0%							
Community Based Initiatives - C&I							\$ 3.7	\$ -	0.0%	100.0%							
Commercial Workforce Development							\$ 32.1	\$ -	0.0%	100.0%							
SUBTOTAL	159,317	8,767	5.5%	765	128	16.7%	\$ 8,385.9	\$ 1,346.8	16.1%	61.3%	1,916,991	59,438	3.1%	50.6%	\$ 4.37	\$ 22.66	4.38
Income Eligible Residential																	
Single Family - Income Eligible Services	5,992	1,907	31.8%	808	224	27.7%	\$ 4,509.4	\$ 1,814.4	40.2%	100.0%	121,326	38,140	31.4%	100.0%	\$ 37.17	\$ 47.57	0.95
Income Eligible Multifamily	10,375	85	0.8%	2,779	90	3.2%	\$ 3,076.5	\$ 52.9	1.7%	100.0%	166,156	1,211	0.7%	100.0%	\$ 18.52	\$ 43.66	0.04
SUBTOTAL	16,367	1,992	12.2%	3,587	314	8.8%	\$ 7,585.9	\$ 1,867.3	24.6%	100.0%	287,482	39,351	13.7%	100.0%	\$ 26.39	\$ 47.45	1.00
Non-Income Eligible Residential																	
EnergyWise	31,871	16,536	51.9%	1,739	2,257	129.8%	\$ 11,084.3	\$ 4,603.6	41.5%	90.2%	613,643	384,478	62.7%	89.6%	\$ 18.06	\$ 11.97	8.27
Energy Star® HVAC	11,329	4,105	36.2%	2,943	482	16.4%	\$ 1,516.1	\$ 633.6	41.8%	100.0%	219,298	79,572	36.3%	100.0%	\$ 6.91	\$ 7.96	2.05
EnergyWise Multifamily	5,061	1,086	21.5%	3,499	79	2.3%	\$ 1,439.7	\$ 161.4	11.2%	79.9%	104,240	24,751	23.7%	79.6%	\$ 13.81	\$ 6.52	0.54
Home Energy Reports	85,663	52,374	61.1%	132,345	8,666	6.5%	\$ 354.9	\$ 149.7	42.2%	100.0%	85,663	44,324	51.7%	100.0%	\$ 4.14	\$ 3.38	26.19
Residential New Construction	3,239	703	21.7%	466	156	33.5%	\$ 579.9	\$ 314.4	54.2%	100.0%	73,327	16,346	22.3%	100.0%	\$ 7.91	\$ 19.24	0.35
Comprehensive Marketing - Residential							\$ 79.7	\$ 40.9	51.4%	100.0%							
Community Based Initiatives - Residential							\$ 46.5	\$ -	0.0%	100.0%							
SUBTOTAL	137,163	74,805	54.5%	140,993	11,640	8.3%	\$ 15,101.0	\$ 5,903.7	39.1%	90.9%	1,096,171	549,471	50.1%	92.3%	\$ 13.78	\$ 10.74	37.40
Regulatory																	
EERMC							\$ 345.9	\$ 83.8	24.2%	100.0%							
OER							\$ 642.8	\$ 406.5	63.2%	100.0%							
RI Infrastructure Bank							\$ 1,262.5	\$ 631.2	50.0%	100.0%							
SUBTOTAL							\$ 2,251.2	\$ 1,121.5	49.8%	100.0%							
TOTAL	312,846	85,564	27.4%	145,345	12,082	8.3%	\$ 33,324.0	\$ 10,239.3	30.7%	86.1%	3,300,644	648,259	19.6%	68.8%	\$ 10.10	\$ 15.80	42.78

NOTES
(1)(4) Targets from Docket 23-35-EE- Attachment 6, Table G-7, Refiled December 20, 2023.
(3) Pct Achieved is Column (2)/ Column (1).
(4) Participation was planned and is reported in 'net' terms which takes into account free-ridership and spillover.
(6) Pct Achieved is Column (5)/ Column (4).
(7) Approved Implementation Budget from Docket 23-35-EE, Attachment 6 Table G-3, Refiled December 20, 2023.
(8) Year To Date Expenses include Implementation expenses.
(9) Pct Achieved is Column (8)/ Column (7).
(13) Planned \$/lifetime MMBtu from Docket 23-35-EE- Attachment 6, Table G-5, Refiled December 20, 2023 - adjusted to reflect format of quarterly report. Program Implementation Expenses/lifetime MMBtu.
(14) \$/lifetime MMBtu = Column (8)*1000/Column (11)
(15) Peak Hour Gas Demand Savings is a test metric in 2024 and represents a rough approximation of peak-hour gas demand impacts. Column(2) *0.01 *0.05
(16) (17) Year End Spending and Energy Savings forecasts are best estimates based on the information available and may change throughout the year.
Values in quarterly reports are preliminary and subject to change. Data is finalized in the Year-End Report.

RHODE ISLAND ENERGY ELECTRIC ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND
Table 3: Rhode Island Energy 2024 Revolving Loan Funds

Large C&I Electric Revolving Loan Fund

Small Business Electric Revolving Loan Fund

<u>Income Statement</u>		<u>Income Statement</u>	
(1) 2024 Funds Available	\$12,857,201	(1) 2024 Funds Available	\$3,894,924
(2) 2024 Loan budget	\$14,000,000	(2) 2024 Loan budget	\$2,000,000
(3) Committed	\$2,780,824	(3) Committed	\$696,808
(4) Paid	\$64,845	(4) Paid	\$548,513
(5) <u>Repayments</u>	<u>\$3,060,173</u>	(5) <u>Repayments</u>	<u>\$504,756</u>
(6) <u>Available 06/30/24</u>	<u>\$13,071,704</u>	(6) <u>Available 06/30/24</u>	<u>\$3,154,359</u>
(7) Outstanding loan volume	\$11,477,926	(7) Outstanding loan volume	\$470,957
(8) Loan defaults during period (\$)	\$0	(8) Loan defaults during period (\$)	\$24,092
(9) Arrears over 120 days at period end (\$)	\$16,127	(9) Arrears over 120 days at period end (\$)	\$5,813
 <u>Program Impact</u>		 <u>Program Impact</u>	
(10) Number of loans	76	(10b) Participants	119
(10b) Participants	74	(11) Annual Savings (Gross MWh)	1,325
(11) Annual Savings (Gross MWh)	5,914	(12) Annual Savings (Net MWh)	1,088
(12) Annual Savings (Net MWh)	4,646	(13) Lifetime Savings (Gross MWh)	11,329
(13) Lifetime Savings (Gross MWh)	51	(14) Lifetime Savings (Net MWh)	8,824
(14) Lifetime Savings (Net MWh)	39,792	(15) Annual Savings (Gross kW)	258
(15) Annual Savings (Gross kW)	9	(16) Annual Saving (Net kW)	203
(16) Annual Saving (Net kW)	7	(17) Total associated incentive volume (\$)	\$944,804
(17) Total associated incentive volume (\$)	\$722,572	(18) Total annual estimated energy cost savings (\$)	\$192,581
(18) Total annual estimated energy cost savings (\$)	\$822,307		

Rhode Island Public Energy Partnership (RI PEP)

<u>Income Statement</u>	
(1) 2023 Funds Available	\$0
(2) 2023 Loan budget	\$0
(3) Committed	\$0
(4) Paid	\$0
(4a) Funds Returned to OER	\$0
(4b) Funds Transferred to RGGI ASHP	\$54,162
(5) <u>Repayments</u>	<u>\$0</u>
(6) <u>Available 06/30/24</u>	<u>\$0</u>
(7) Outstanding loan volume	\$0
(8)	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, 2024. Includes line (6) "Available 06/30/24" plus line (3) "Committed" in Table E-6 and G-6 of the 2023 Year End Report.
- 2 Budget adopted by Sales Team for 2024 operations. Budget includes projections of repayments made during 2024.
- 3 As of June 30, 2024.
- 4 As of June 30, 2024. This includes all projects paid through June 30, 2024 and the OBR associated with those projects. OBR payment are processed once the associated incentive has been paid, usually in batches.
- 4a Funds returned to RI OER.
- 4b Funds transferred to RGGI Air Source Heat Pump Program in 2023
- 5 As of June 30, 2024. This includes all projects paid through June 30, 2024 and the OBR associated with those projects. OBR payments are processed once the associated incentive has been paid, us
- 6 Fund balance as of June 30, 2024. Committed funds are subtracted from this amount.
- 7 Total outstanding loan balance. Loans lent out that still need to be paid back. This includes loans from previous years.
- 8 Total loan value in default during period.
- 9 Total loan value in arrears for over 120 days as of June 30, 2024.
- 10 As of June 30, 2024
Unique customer names for large business (one customer name can have multiple sub accounts as is in the case of a franchise). Customer accounts used for small business
- 10b (not adjusted for net-to-gross).
- 11 As of June 30, 2024
- 12 As of June 30, 2024
- 13 As of June 30, 2024
- 14 As of June 30, 2024
- 15 As of June 30, 2024
- 16 As of June 30, 2024
- 17 Incentives paid out with loans.
- 18 Estimated energy cost savings to loan fund participants.

Values in quarterly reports are preliminary and subject to change. Data is finalized in the Year-End Report. Data above may reflect January 2024 - May 2024.

RHODE ISLAND ENERGY GAS ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND

Table 4: Rhode Island Energy 2024 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)	2024 Funds Available	\$1,168,890	(1)	2024 Funds Available	\$964
(2)	2024 Loan budget	\$2,500,000	(4)	Paid	\$0
(3)	Committed	\$0	(4a)	Funds Returned to OER	\$0
(4)	Paid	\$254,025	(5)	Repayments	\$0
(5)	Repayments	\$271,646	(6)	Available 06/30/24	\$964
(6)	<u>Available 06/30/24</u>	<u>\$1,186,512</u>	(7)	Outstanding loan volume	\$0
(7)	Outstanding loan volume	\$958,003	(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 (\$)	\$0			
 <u>Program Impact</u>			 <u>Program Impact</u>		
(10)	Number of loans	2	(10)	Number of loans	0
(10b)	Participants	3	(10b)	Participants	0
(11)	Annual Savings (Gross MMBtu)	415	(11)	Savings (MMBtu)	0
(12)	Annual Savings (Net MMBtu)	340			
(13)	Lifetime Savings (Gross MMBtu)	7,304			
(14)	Lifetime Savings (Net MMBtu)	57,277			
(15)	Total associated incentive volume (\$)	\$11,250			
(16)	Total annual estimated energy cost savings (\$)	\$7,116			

Notes

- 1 Amount available as of January 1, 2024. Includes line (6) "Available 06/30/24" plus line (3) "Committed" in Table E-6 and G-6 of the 2023 Year End Report
- 2 Budget adopted by Sales Team for 2024 operations. Budget includes projections of repayments made during 2024
- 3 As of June 30, 2024. This includes all project paid through June 30, 2024 and the OBR associated with those projects. OBR payment are processed once the associated incentive has been paid usually in batches.
- 4 As of June 30, 2024. This includes all project paid through June 30, 2024 and the OBR associated with those projects. OBR payment are processed once the associated incentive has been paid usually in batches.
- 5 As of June 30, 2024
- 6 Fund balance as of June 30, 2024. Committed funds are subtracted from this amount.
- 7 Total outstanding loan balance. Loans lent out that still need to be paid back. This includes loans from previous years.
- 8 Total loan value in default during period
- 9 Total loan value in arrears for over 120 days as of June 30, 2024
- 10 As of June 30, 2024
- 10b Unique customer names for large business (one customer name can have multiple sub accounts as is in the case of a franchise).
- 11 As of June 30, 2024
- 12 As of June 30, 2024
- 13 As of June 30, 2024
- 14 As of June 30, 2024
- 15 Incentives paid out with loans.
- 16 Estimated energy cost savings to loan fund participants.

Values in quarterly reports are preliminary and subject to change. Data is finalized in the Year-End Report. Data above may reflect January 2024 - May 2024.

**Table 5
Rhode Island Energy
2024 Test Metrics**

Carbon Reduction¹

	CO2 (Electricity)	CO2 (Natural Gas)	CO2 (Oil)	CO2 (Propane)	CO2 (Total)
Residential	5,446	4,376	767	20	10,610
Income Eligible	222	117	136	9	483
C&I	4,898	513	(7)	-	5,404
Total	10,566	5,005	896	29	16,497

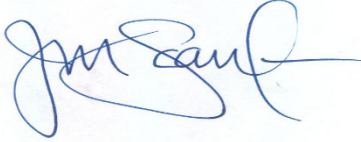
NOTES

¹ Carbon emissions values are from AESC 2021, Appendix G Table 159.

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.



Joanne M. Scanlon

October 9, 2024
Date

**Docket No. 23-35-EE – Rhode Island Energy’s EE Plan 2024-2026 Three-Year Plan and 2024 Annual EEP
Service list updated 7/29/2024**

Name /Address	E-mail Distribution List	Phone
<p>The Narragansett Electric Company d/b/a Rhode Island Energy Andrew Marcaccio, Esq. 280 Melrose St. Providence, RI 02907</p> <p>Leticia C. Pimentel, Esq. Steve Boyajian, Esq. Robinson & Cole LLP One Financial Plaza, 14th Floor Providence, RI 02903</p>	<p>amarcaccio@pplweb.com;</p> <p>cobrien@pplweb.com;</p> <p>jhutchinson@pplweb.com;</p> <p>jscanlon@pplweb.com;</p> <p>dmmoreira@rienergy.com;</p> <p>MOCrayne@rienergy.com;</p> <p>BSFeldman@rienergy.com;</p> <p>ACLi@rienergy.com;</p> <p>DJTukey@rienergy.com;</p> <p>SBriggs@pplweb.com;</p> <p>BJPelletier@rienergy.com;</p> <p>JOliveira@pplweb.com;</p> <p>Teast@rienergy.com;</p> <p>Masiegal@rienergy.com;</p> <p>Cagill@rienergy.com;</p> <p>sboyajian@rc.com;</p> <p>LPimentel@rc.com;</p> <p>HSeddon@rc.com;</p>	<p>401-784-4263</p>
<p>Division of Public Utilities & Carriers Margaret L. Hogan, Esq.</p>	<p>Margaret.L.Hogan@dpuc.ri.gov;</p> <p>Christy.hetherington@dpuc.ri.gov;</p> <p>john.bell@dpuc.ri.gov;</p> <p>Joel.munoz@dpuc.ri.gov;</p> <p>Ellen.golde@dpuc.ri.gov;</p>	<p>401-780-2120</p>

	Machaela.Seaton@dpuc.ri.gov ;	
	Paul.Roberti@dpuc.ri.gov ;	
Tim Woolf Jennifer Kallay Synapse Energy Economics 22 Pearl Street Cambridge, MA 02139	twoolf@synapse-energy.com ;	
	jkallay@synapse-energy.com ;	
Energy Efficiency & Resource Mgmt. Council (EEMRC) Seth H. Handy, Esq. HANDY LAW, LLC 42 Weybosset Street Providence, RI 02903	seth@handylawllc.com ;	401-626-4839
	helen@handylawllc.com ;	
	conor@handylawllc.com ;	
Office of Energy Resources (OER) Albert Vitali, Esq. Dept. of Administration Division of Legal Services One Capitol Hill, 4 th Floor Providence, RI 02908	Albert.Vitali@doa.ri.gov ;	401-222-8880
	Nancy.Russolino@doa.ri.gov ;	
	Christopher.Kearns@energy.ri.gov ;	
	William.Owen@energy.ri.gov ;	
	Steven.Chybowski@energy.ri.gov ;	
	Nathan.Cleveland@energy.ri.gov ;	
	Karen.Bradbury@energy.ri.gov ;	
File an original & 9opies w/ PUC: Stephanie De La Rosa, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	stephanie.delarosa@puc.ri.gov ;	401-780-2107
	John.Harrington@puc.ri.gov ;	
	Alan.nault@puc.ri.gov ;	
	Todd.bianco@puc.ri.gov ;	
Interested Party		
Dept. of Human Services Frederick Sneesby	Frederick.sneesby@dhs.ri.gov ;	
RI Infrastructure Bank Chris Vitale, Esq.,	cvitale@hvlawltd.com ;	
	SUatine@riib.org ;	
Green Energy Consumers Alliance Larry Chretien, Executive Director	Larry@massenergy.org ;	
Amanda Barker	amanda@greenenergyconsumers.org ;	
Acadia Center Emily Koo, Director	EKoo@acadiacenter.org ;	401-276-0600 x402