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December 6, 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 – Third 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 third 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

Third Quarter 2024 | Rhode Island Energy

December 6, 2024

Overview

Rhode Island Energy's energy-efficiency programs continued to deliver energy savings for Rhode Island customers through the third quarter of 2024¹ by achieving 222,649 net lifetime MWh of electric savings (30.5% of the net lifetime goal) and 710,124 net lifetime MMBtu of natural gas savings (21.5% of the net lifetime goal).

- **Residential Consumer Products:** Rhode Island Energy's recycling program has collected 1,815 old and inefficient dehumidifiers during 13 events so far in 2024. This total has already exceeded last year's record of 1,517 dehumidifiers recycled. In North Kingstown, a new single event record was set on July 6th with 320 dehumidifiers recycled.
- **Income Eligible Services (IES):** The Westbay CAP agency and their distributors continue to make significant progress in improving the Appliance Replacement/Delivery Program. The program is successfully addressing the backlog caused by COVID-19 and product distribution delays.
- **Strategic Energy Management Partnerships (SEMP):** The Strategic Energy Management Partnerships Initiative was selected as a winner of the ACEEE Leaders of the Pack award. Since 2013, more than 825 energy efficiency projects have been implemented by Rhode Island Energy and its SEMP partners.
- **Residential New Construction (RNC):** The RNC Program was selected as a winner of ACEEE's Exemplary Program Award. The program has achieved broad awareness in Rhode Island and typically serves almost half of the new residential unit permits pulled each year in the state.

¹ Savings, spend, participation, loan funds, and carbon reduction figures shown in this report may be lagging or impacted by the Company's ongoing energy efficiency tracking system transition. Values in quarterly reports are preliminary and subject to change.

2024 Program & Initiative Updates – Q3

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 third quarter of 2024.

Q3 RNC Program Enrollments and Completed Units

- 100 housing units were built to RNC Program standards in Q3
 - 97 units were new construction/full gut rehab
 - 3 were renovation/rehab
 - 70 units were market rate
 - 30 units were Income Eligible
 - 24 units had electric heat pumps
 - 70 units had gas heat
 - 52 of these units were in one apartment building in Providence
 - 6 units had either propane or hybrid heat pumps with propane
- 41 newly planned housing units enrolled in the RNC Program

Q3 RNC Program Trends, Challenges & Solutions

Low number of new housing starts and lack of growth

- 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
- With just over 1,000 new construction permits pulled each year in Rhode Island over the past decade, and no signs of growth, it has been difficult to increase the number of units participating in RNC

Positive Signs for RNC

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

Continued Improvement in Q3

- YTD completed RNC units increased from 2023
 - 2023 (Jan-Sep) – 237
 - 2024 (Jan-Sep) - 353
- RNC project pipeline is growing
 - planning and design phase
 - 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
 - Over 350 units are currently seeking DOE Zero Energy Homes or Passive House certification through RNC

Q3 RNC Program Highlight

Rhode Island Certified Passive House Builder (CPHB) Training

In Q3 the RNC team coordinated Certified Passive House Builder training for 14 local builders, bringing the total trained to date in 2024 to 40.

- This training was offered as part of Rhode Island Energy’s 2024 Workforce Development Plan
- Upon receiving final certification (exams currently underway) these builders will be certified to build Passive House homes
- This training aligns with RNC’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

Q3 RNC Program Zero Energy Highlights

Zero Energy Homes Pipeline

- RNC continued to provide technical support for Zero Energy homes across the state, including 114 seeking Passive House certification and 237 seeking DOE Zero Energy Ready certification
- Most homes in the pipeline are affordable housing projects

Zero Energy Project Highlight

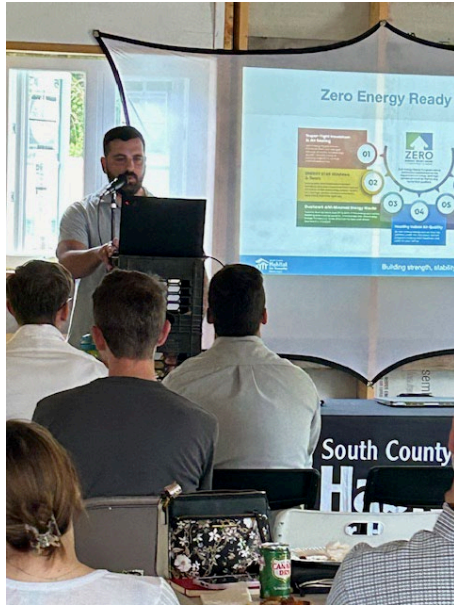
Zero Energy Project Open House & Tour

- In August RNC coordinated an open house event with South County Habitat for Humanity (SCHH) to highlight a seven-unit all-electric zero energy project currently under construction in Hopkinton
- Cardinal Lane Phase II is the second phase of a development for households with incomes at or below 80% AMI. These homes are being built with community volunteers, and in partnership with Chariho Tech to teach the next generation of skilled craftspeople
- This project is participating in RNC, was selected for ZEOS funding, which is offered through a partnership between RI Housing and RI Office of Energy Resources, and is seeking DOE Zero Energy Ready certification
- Once complete, the homes will have individual solar PV arrays, bring them to Zero Energy

- With three of the seven homes complete and four currently under construction, the event provided a unique opportunity to view key installation details during the construction process
- The event included a welcome reception with SCHH volunteers and staff, a presentation from Daniel Warner, Director of Construction, who provided an overview of the project, including why they chose Zero Energy certification, followed by a presentation from Jon Erickson from CLEAResult who explained how the project team will meet the design and construction standards required to achieve these low-load homes
- Participants then viewed each of the four homes to learn more about key features such as mechanicals (ERVs, air source heat pumps and heat pump water heaters) and air barrier details (insulation and air sealing)
- A blower door testing demonstration was also performed in one of the homes to show how air leakage is measured
- Over 20 people attended this event including architects, builders, building officials, HVAC contractors and representatives from the RI Office of Energy Resources



Pictured above: Cardinal Lane, Hopkinton



Pictured above: Daniel Warner, SCHH (left) and Jon Erickson, RNC (right)

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 third quarter of 2024.

Challenges and Responses

In Q3, two major challenges arose:

- The transition of RIE's billing system from inDemand to iEnergy resulted in the need for a workaround manual submission and invoicing/payment process. As a result, some Q2 payments to CAP agencies were delayed, but all payments look to be current as of November. As the shift continues, an iEnergy refresher training will be created to help the CAP agencies make a smooth transition.
- Turnover in two key positions on the Lead Vendor's team has resulted in some disruption to the day-to-day processes etc. The new team has been established as of September and progress has been made to build relationships with the CAP agencies and DHS and re-establish reporting and best practice protocols.

RISE has made a tremendous impact fielding opportunities and reaching customers in need in the Providence, Pawtucket, Central Falls and Woonsocket areas. To date, RISE has completed 169 audits and 42 weatherization projects for the IES program.

The Westbay CAP agency and their distributors continue to make significant progress in turning around the Appliance Replacement/Delivery Program. Progress continues to be made against the backlog caused by COVID and product distribution delays. To date, Westbay has delivered 127 appliances from the backlog list. In addition, 72 new orders (55%) have already been filled, as well as 68 out 70 (97%) rush/urgent need situations.

The Q3-Q4 Best Practice meeting was held on 10/29. Invitees included the PUC, the Division, DHS, OER, the EEC, and the CAP agencies. Topics covered included Introductions to the new CLEAResult team members, Marketing, DOE WAP Update and finally a Q&A/open discussion.

Customer Highlight

My wife Elaine and I would like to thank you from the bottom of our hearts for getting us the new refrigerator through the energy program. Your work was very professional, very efficient and fast. Thank you for keeping the program running and providing for us in need. The delivery by S&W was very professional and the workers were very polite and quick with an installation well done.

Our sincere thanks,

Bill & Elaine

EnergyWise Single Family

The EnergyWise Single Family program achieved 6,985 net lifetime MWh of electric savings (46.6% of the lifetime goal) and 384,478 net lifetime MMBtu of gas savings (62.7% of the lifetime goal) through the third quarter of 2024.

The EnergyWise program Lead Vendor conducted 2,912 home energy assessments and managed the completion of 1,210 weatherization projects in the third quarter.

Trainings and activities of interest include:

- Two Energy Specialists completed field exams for BPI BA-T Certification
- Heat Pump Training with Fluid Industrial Associates
- Manual D and S Review with CleaRESULT
- Zero Energy Tour and Training
- HVAC by Design: A One-Hour Primer into ACCA Manual RS
- Saturday assessments offered during Q2.
- Customer Online Scheduling available to customers.
- Fifty-Nine non-English Assessments have been completed through September.

Challenges and Responses

Demand for Home Energy Assessments recovered to some degree in the later part of the third quarter but remains behind historic program averages. 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 assessment was handled completely, quickly and efficiently. All immediate and follow-up questions were answered until fully understood. I was impressed by the specialist's knowledge and professionalism.”

- “This was an extremely satisfying assessment. I wish that I had requested one sooner.”

Customer feedback themes from weatherization contractors included:

- “The people I met with very professional and polite. The work was done quickly, and I was left with no cleanup. I am happy with the whole process.”
- “Easy process and great program. Excellent assistance. I highly recommend RISE.”
- “The company that installed insulation was great!”

Customer Satisfaction Survey Results

Home Energy Assessment Survey for Q3 (n=97)

- Average customer overall satisfaction rating = 8.61 out of 10
- Percent of respondents that would recommend the program = 95.88%

Weatherization Survey for Q3(n=179)

- Average Customer overall satisfaction rating = 9.23 out of 10
- Percent of respondents that would recommend their contractor=93.30%

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 third 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 third 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 third quarter of 2024.

Customer Highlights

Lantern House Apartments - Commercial Gas and Market Rate Electric Project - North Smithfield

The project scope consisted of installing three Hydrotherm natural gas fired hot water boilers at a sixty-unit apartment building in North Smithfield, with two of the boilers providing domestic space heating and the third providing domestic hot water. The

project also included new circulator pumps, the insulation of all domestic hot water piping and the removal and replacement of a combustion air fan.

The commercial gas incentive for this project was \$85K with an estimated 107,300 net life therms savings and the market rate electric incentive was \$4K with an estimated 37,980 net lifetime kWh savings.

Cedarhurst Condominiums - Market Rate Electric Project - North Kingstown

The project scope consisted of the installation of line voltage thermostats, domestic hot water conservation devices and weatherization at the 108-unit condominium complex in North Kingstown. The weatherization work consisted of attic air sealing and insulation, crawlspace floor vapor barriers and crawlspace ceiling insulation.

The market rate electric incentive for this project was \$22K and has an estimated 515,030 net lifetime kWh savings.

Workforce Development

All Lead Vendor audit staff participated in a heat pump training that included an overview of domestic hot water heat pump technologies for multi-family buildings including applications and sizing. The audit staff also learned about other heat pump technologies and their applications including single and multizone mini-split systems, inverter heat pumps combined with air handling units and air to water systems.

ENERGYSTAR® HVAC (Heating and Cooling)

The ENERGYSTAR® HVAC (Heating and Cooling) program achieved 23,086 net lifetime MWh of electric savings (20.5% of the lifetime annual goal) and 96,172 net lifetime MMBtu of gas savings (43.9% of the lifetime goal) through the third quarter of 2024.

The HVAC Program continued to encourage the installation of high efficiency heating, cooling and domestic hot water equipment, promote the availability of rebates and tax credits, and provide training to contractors on HVAC Check testing, system sizing and design, and general best practices.

Q3 HVAC Contractor Trainings

11 HVAC training and events were held during the third quarter. The HVAC Program offered several types of live virtual and on-site trainings:

- HVAC Check Testing Procedures – AC Check, MS Check (specifically for Mini splits) and HVAC Check (includes both AC and MS Check)

- During Q3 the HVAC Program delivered 7 MS Check trainings
- Right Sizing and Equipment Selection – Manual D (Duct Design), Manual J (Load Calculations) and Manual S (Equipment Selection)
 - During Q3 the HVAC Program delivered 3 trainings
- Introduction to Heat Pumps - Presentations intended for a broad audience, including builders, contractors, homeowners, architects and building inspectors, 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 Q3 the HVAC Program delivered an Introduction to Heat Pump presentation at Viessman
 - This was followed by a presentation by Viessman on their new air to water heat pumps, technology relatively new to the US, but widely used in Europe

The Program also promoted manufacturer and distributor trainings during Q3 through their weekly newsletter

- This was welcomed by industry partners such as Mitsubishi, Fujitsu, Lennox, Viessmann, Homans Associates and S.G. Torrice
 - “That is a great idea!”
 - “I think that’s a great idea and would love to be included”
 - “We appreciate the support!”

Q3 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 Q3 contractors performed a total of 405 tests
- This is an increase of 22% over Q3 2023

Contractor feedback on performing HVAC Check testing

- Thank you! I love this approach; it took the guesswork out of the equation!
- Thanks – I did replace the condenser fan motor and charged the unit up a little at one of the units. I would not have added charge if I didn’t perform the MS Check, so you got me changing some of my old ways.

Q3 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

- Q3 topics included
 - Links to 2024 Program rebate forms
 - Links to upcoming HVAC program trainings and test forms
 - Links to manufacturer training (new in Q3)
 - Industry best practices for heat pump installation and operation
 - Information about A2L refrigeration transition (new in Q3)
 - Links to Clean Heat RI and Federal Tax Credits
 - Availability of program support in Spanish

Q3 Heat Pump Marketing Campaign

RI Energy launched several campaigns over the summer to promote the installation of high-efficiency heat pumps.

Promotional Mailer

- A heat pump mailer was sent to 15,273 residential customers, which included QR codes to links to information in Portuguese and Spanish
- 49 customers scanned the QR code to read the mailer in Portuguese, and 58 customers scanned the QR code to read the mailer in Spanish


Rhode Island Energy
Efficiency Programs
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Providence, RI 02907-2152

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Don't miss your chance.

Look inside to see how to upgrade your heating and cooling—and save up to \$3,750.

Scan the QR code with your
smartphone to read this mailer.



Em português



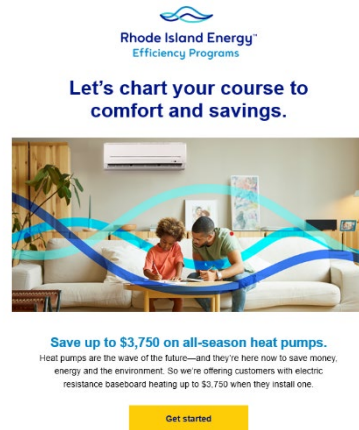
En español

Special exclusive offer:

If you heat your home with electricity, receive 100% off approved home insulation (up to \$10,000) and 100% off air leakage sealing. Call 1-888-633-7947 to schedule your no cost Home Energy Assessment today.

Email

- A heat pump email was sent to 111,791 residential electric customers



Q3 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.

Q3 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 includes and promotes ENERGY STAR 6.1 equipment as rebate eligible in 2024

Refrigerant Transition

- In 2025, there will be a significant regulatory shift due to the implementation of new environmental standards for refrigerants
- The industry has been mandated to move away from refrigerants using HFCs such as R-410A to using A2L refrigerants such as R-454B and R-32 to comply
- R-410A ducted residential systems can no longer be sold in 2026
 - Components used to repair existing systems can continue to be sold and installed
- Many wholesalers have already stopped purchasing equipment with R-410A to avoid being left with inventory they can't sell beyond 2026
- This transition may affect inventory beginning in 2025

Clean Heat RI

- The RI HVAC Program continued to promote Clean Heat RI in Q3
- 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
- The HVAC Program 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 third quarter of 2024.

Q3 Appliance Recycling:

This year's dehumidifier recycling events, through the end of the third quarter have already exceeded last year's record of 1,517 dehumidifiers recycled.

Rhode Island Energy's recycling program has collected 1,815 old and inefficient dehumidifiers during the 13 events. In North Kingstown a new single event record was set on July 6th with 320 dehumidifiers recycled. RI Energy will finish the year with two more events scheduled on October 5th and 26th.

The marketing team has done an outstanding job reaching customers within their proximity to the event to announce the details of the program.

RIE's appliance collection vendor and intake vendors continue to provide world class service during these events. Customers are delighted with this service and are provided with materials covering other programs as well as appliance incentives.

Event Number	Number of Units Recycled	Status	Event Date	Time	Event Partner or Store Name	Address	City	State
1	75	Completed	4/6/2024	10AM - 2PM	Wickford Appliance	207 Newport Ave.	Pawtucket	RI
2	102	Completed	4/27/2024	9AM - 1PM	Compass Hardware	8 Ridgewood Rd	Charlestown	RI
3	69	Completed	5/4/2024	9AM - 1PM	Home Depot	387 Charles St.	Providence	RI
4	187	Completed	5/25/2024	9AM - 1PM	Lowes(5617)	510 Quaker Lane	Warwick	RI
5	130	Completed	6/1/2024	9AM - 1PM	Home Depot	371 Putnam Pike	Smithfield	RI
6	154	Completed	6/29/2024	9AM - 1PM	Lowes	247 Garfield Ave.	Cranston	RI
7	320	Completed	7/6/2024	9AM - 1PM	Home Depot	1255 Ten Rod Rd.	N. Kingstown	RI
8	115	Completed	7/27/2024	9AM - 1PM	Lowes	19 Dowling Village Blvd	N. Smithfield	RI
9	159	Completed	8/3/2024	9AM - 1PM	Home Depot	120 Franklyn St.	Westerly	RI
10	222	Completed	8/31/2024	9AM - 1PM	Home Depot	878 W. Main Rd	Middletown	RI
11	110	Completed	9/7/2024	9AM - 1PM	Lowes	1703 Mineral Spring Ave.	North Providence	RI
12	28	Completed	9/14/2024	9AM - 1PM	Compass Hardware	8 Ridgewood Rd	Charlestown	RI
13	144	Completed	9/28/2024	9AM - 1PM	Home Depot	700 Center of NE Blvd.	Coventry	RI
Sum	1815							
Avg	139.6							

Consumer Education:

Rhode Island Energy's implementation vendor, TRC continues to promote the energy efficient products offered under the RIE's Energy Efficient programs by staffing educational tables at Big Box Retailers such as Lowe's, Home Depot and Walmart. These

informal events give RIE customers the chance to ask questions and gain information about the programs.

Below, TRC's Carlos Sanchez staffs an educational table at Lowes in Cranston




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

RIE continues to promote their upstream incentive program making it easy to purchase ESTAR Most Efficient small and large appliances. The implementation vendor frequently is in-person promoting the instant rebate program providing RIE customers an informative way to purchase ESTAR Most Efficient products. They use staffed educational tables and bold and bright marketing material making it easy for customers to become educated on the advantages of highly efficient household products. A sample of materials are outlined below.

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 energy audits.

	
Rhode Island Energy	
Date: 9/2/2024	
Promotion # RIE110123-123124	Master Invoice # 20240901
Promotional Information	Sales Date Range:
Rhode Island Energy	09/1/2024-09/30/2024
Product Category:	
RIE Most Efficient Appliance Mid-Stream	
Invoice Reference Number:	Unit Quantity
20240901	65
Grand Total	65



The appliance recycling “collection service at the home and small business” performed a soft launch of the program. The soft launch offered customers the opportunity to work with RIE’s recycling partner ECO+ to schedule an appointment to collect their appliance. RIE will launch the program to all residential and small business customers in mid-November which will allow customers to schedule an appliance pick-up request by phone or on-line web enrollment.

A Frame Displays: Home Depot: Westerly



Energy Star Product Challenge – Lowe’s & Home Depot confirmed their inability 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 19,951 net lifetime MWh of electric savings (85.4% of the lifetime goal) and 52,374 net lifetime MMBtu of gas savings (61.6% of the lifetime goal) through the third quarter of 2024.

Quarter 3 messaging focused on Connected Solutions and advanced power strips.

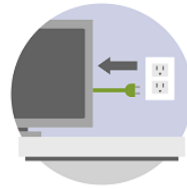
Earn up to \$70 in rewards by enrolling in ConnectedSolutions



With the ConnectedSolutions program, your smart thermostat can help you earn rewards by reducing energy use when demand is high, during the hottest days of the year. Enroll today to manage your energy costs, reduce stress on the grid and lower carbon emissions to benefit the community.

[Learn more](#)

An easy way to save



Many consumer electronics use energy whenever they're plugged in—even if you're not using them. Unplug devices like these to save energy and money on your monthly bill:

- DVD players, TVs, and video game consoles
- Printers, computers, and monitors
- Anything with an LED indicator light

Or, instead of unplugging your devices, use an advanced power strip. Visit the Rhode Island Energy Marketplace to purchase one at a discounted price.

Code Compliance Enhancement Initiative (CCEI)

Summary

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, and released it in August.

Rhode Island will adopt 2024 IECC on November 14, 2024, with a 90 day “grace” period, during which project teams may contact their building official to request a reprieve for projects substantially far along in the design process.

Overview

Q3 Trainings

- 8 training events with 125 attendees were held during the third quarter
- 7 residential trainings, with 103 attendees
- 1 commercial training, with 22 attendees

Q3 Training Topics

Residential

- 2024 IECC Update
- High Performing Homes & Green Building Standards
- Introduction to Residential Air Source Heat Pumps
- Insulation & Wallboard
- Home Comfort
- Indoor Air Quality

- Heating Cooling & Ventilation

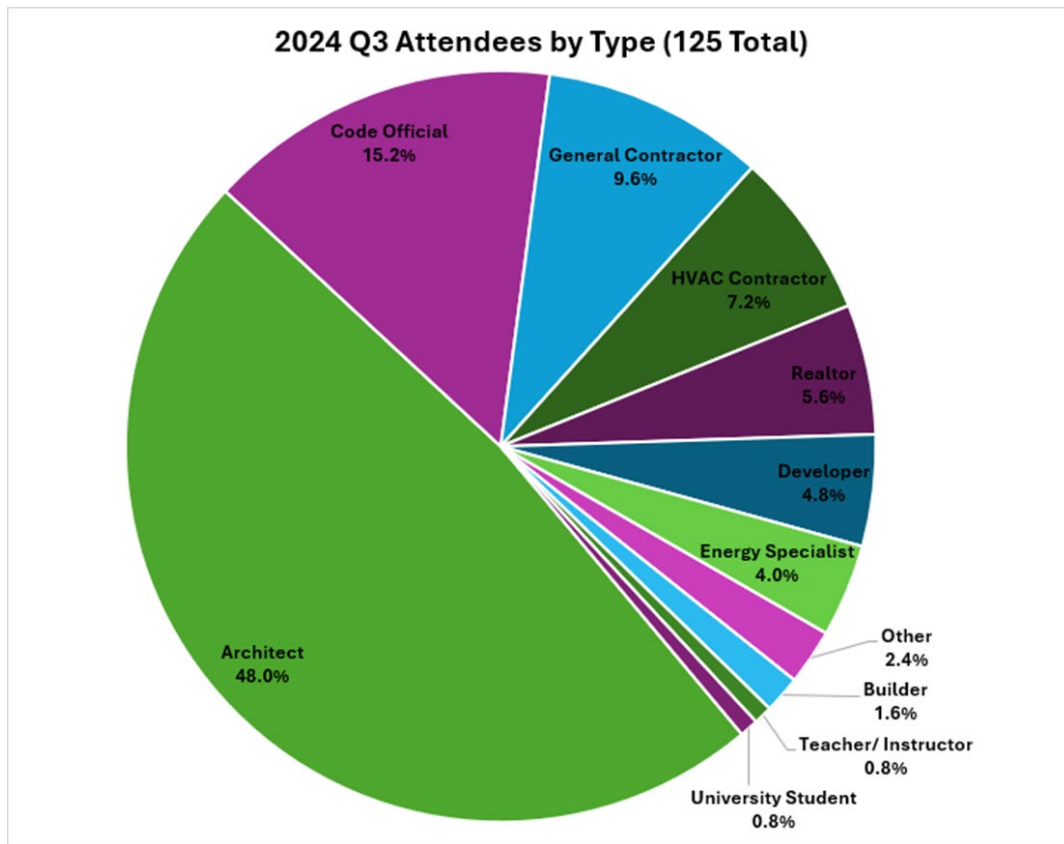
Commercial

- Insulation & Air Sealing

Q3 Training Locations

- 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
- Three (3) training sessions were held in person at the following locations
 - Viessmann Manufacturing Co., Warwick
 - Habitat for Humanity, Hopkinton
 - Rhode Island Plumbing Mechanical Inspectors Association, East Providence

Q3 Training Participants



Q3 CSTS Updates, Challenges & Solutions

Updates

- 2023 legislature required the state to adopt 2024 IECC within 90 days of publication, without weakening amendments.
- 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, was published in August, and will be adopted in Rhode Island on November 14 (the first state in the nation to do so)

Challenges

- 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

Solutions

- CSTS is working closely with key industry stakeholders including the Building Commissioner, RI Building Officials Association, RI Builders Association, American Institute of Architects - RI and other organizations to support the transition
- CSTS is delivering trainings, offering circuit rider support and preparing resources on the 2024 IECC
- CSTS is expanding the suite of trainers available for support

Q3 2024 IECC Transition Support

Trainings

- In advance of adoption, CSTS developed and delivered new presentations to prepare the industry for the 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 17 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 earlier in 2024, and the final session is scheduled for Q4
- Upon successful completion of these workshops, participants will have the knowledge and resources to provide comprehensive energy code training

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:
 - CSTS is updating existing toolkits and resources such as FAQs, checklists, and technical bulletins for distribution
 - Resources will be made available in both English and Spanish

Q3 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.

Q3 topics

August: Insulation & Wallboard

September: Heating, Cooling & Ventilation

These training sessions are approved for RI Contractor Registration & Licensing Board CEUs

CSTS continued to submit articles for RIBA's monthly RI Builder magazine during the quarter

- Q3 topics
 - What is a HERS Score?
 - Residential New Construction Program Overview

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

- Q3 topics
 - July: High Performance Homes & Green Building Standards
 - August: Commercial Insulation & Air Sealing
 - September: Indoor Air Quality

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 Q3 CSTS provided training on Residential Air Source Heat Pumps, which was followed by a presentation from Viessmann on their new line of air to water heat pumps

Rhode Island Plumbing & Mechanical Inspectors Association

CSTS attended and presented on the 2024 IECC at their Educational Meeting in East Providence. This training provided attendees with Continuing Education Credits.

Large Commercial New Construction

The Large Commercial New Construction program achieved 24,962 net lifetime MWh of electric savings (13.8% of goal) and 80,994 net lifetime MMBtu of gas savings (12.3% of goal) through the second quarter of 2024.

There are currently 206 total projects in the pipeline representing more than 10,00,000 square feet. For these projects:

- 28 projects are using the New Construction Zero Net Energy/Low-EUI Pathway, and 71 projects are using the Non-EUI Pathway (remaining 28 projects are not yet classified)
- 107 projects have not yet determined the Path
- 20 projects are currently under construction
- 25 projects are completed and paid

Large Commercial Retrofit

The Large Commercial Retrofit program achieved 115,846 net lifetime MWh of electric savings (47.8% of goal) and -45,056 net lifetime MMBtu of gas savings (-4.2% of goal)² through the third quarter of 2024.

Industrial Initiative & Building Analytics Program

An industrial cable manufacturing facility is replacing the existing boilers' burners with high efficiency, high turn down burners capable of operating in the range of the process load at 80%+ system efficiency. Installation of these burners will allow for the removal of an existing steam vent. Total savings are estimated to be 50,000 kWh per year (approximately 1% of total annual usage) and 125,000 therms per year (approximately 15% of total annual usage).

Building Analytics Program

Q3, 2024 highlights include:

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

- Discussions to enroll in the Building Analytics Program for three years continued with 3 high education customers.
- The program vendor is working with two participants on four gas and electric applications, with two applications totaling 286,684 kWh and 21,223 therms. The other two applications are under development.

EnergySmart Grocer Initiative

A supermarket chain at 3 location completed strip curtain installations to their medium temperature and low temperature walk in coolers totaling 30,800 kWh in refrigeration savings.

A pharmacy chain completed ESPO coil cleaning measures on their HVAC roof top units and condensers at 26 locations throughout the state, totaling 59,256 kWh in energy savings.

Serve UP Savings Initiative

A restaurant chain at two locations upgraded their evaporator fans, EC Motors and demand defrost controls on their walk-in refrigeration systems. This project yielded 33,206 kWh.

Strategic Energy Management Partnerships (SEMP)

Rhode Island Energy has 13 SEMB 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 SEMB partners.

Q3, 2024 highlights:

- The Strategic Energy Management Partnerships Initiative was selected as a winner of the ACEEE Leaders of the Pack award.

Small Business Direct Install

The Small Business Direct Install (SBDI) program achieved 18,181 net lifetime MWh of electric savings (30.4% of goal) and 41,791 lifetime MMBtu of gas savings (35.2% of goal) through the third quarter of 2024.

LED Retrofit Kits and Luminaires

The table below shows the number of luminaires and retrofit kits with controls through Q3, 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	9,100	1,152	6,009	589
2024	5,898	244	3,878	310

Project Highlights

LED lighting fixtures and a high efficiency transformer were installed at a retail establishment with a total project cost of approximately \$25,000 and estimated annual energy savings of 15,000 kWh. VFDs were installed at a restaurant with a total project cost of approximately \$4,000 and estimated annual energy savings of 8,000 kWh.

Program Marketing and Community Engagement

Rhode Island Energy and RISE continue to strengthen our connections and support for Women- and Minority-Owned Businesses (“WMOB”) through targeted outreach and strategic partnerships. In addition to helping raise awareness of the Small Business Program, these efforts underscore our commitment to advancing diversity, equity, and inclusion. Specific steps include:

- Formalized a silver membership with the Rhode Island Hispanic Chamber of Commerce (RIHCC). This partnership positions RIE to engage with local Hispanic business leaders and raise awareness of the Small Business Program with RIHCC members.
- RIE representatives attended the Diversity Business Exhibit held at the Rhode Island Convention Center. This exhibit was a key opportunity to engage with WMOB representatives and raise awareness of the Small Business Program with attendees.
- Finally, RIE met with the Rhode Island Black Business Association (“RIBBA”) to discuss potential pathways for collaboration and raising awareness of the Small Business Program with these members.

Challenges and Responses

The demands posed by the transition from InDemand to IEnergy continued in the 3rd quarter, although progress is being made. The additional work posed by the change has impacted RISE’s ability to market and track projects through the project phases (e.g. “audit scheduled” to “installation complete”). The RISE and Rhode Island Energy teams continue to work through items associated with the transition.

Evaluation, Measurement, and Verification

There were four evaluation studies completed in the third quarter of 2024, including:

- RI-24-XX-MeasureLife2 - Comprehensive Measure Life Review Phase II
- RI-23-CG-CustGasPY22 - Impact Evaluation of Program Year (PY) 2022 Custom Gas Installations
- RI-23-CE-CustElecPY22 - Impact Evaluation of Program Year (PY) 2022 Custom Electric Installations
- RI-23-RX-ElecHeatCC - Electric Heat Customer Characterization Study.

Study results were incorporated into the annual plan and three-year plan, where applicable.

The *Comprehensive Measure Life Review Study, Phase II* reviewed the remaining 126 low priority prescriptive measures from the Phase I study. RI Energy selected a subset of 50 low priority measures for a comprehensive measure life review. The study recommended updates to both the measure life and source for 12 measures, updates to the measure life source for 25 measures, and found that the current source was the best available for 13 measures.

The *Impact Evaluation of PY2022 Custom Gas Installations* provided verification of energy (therms) savings for a sample of custom gas projects through site-specific inspections, end-use monitoring, and analysis. RI Energy adopted the recommendation of the three-year rolling realization rate (RR) of 88.8% to be applied for custom gas measures excluding steam traps.

The *Impact Evaluation of PY2022 Custom Electric Installations* provided verification of energy (kWh) savings for a sample of custom electric projects through site-specific inspections, end-use monitoring, and analysis. RI Energy adopted the results of the study which includes the combined results of 81.4% Energy RR, 73.7% Summer kW RR, 98.3% Winter kW RR, and 85% on-peak kWh RR for non-lighting to be applied to the appropriate custom electric measures.

The *Electric Heat Customer Characterization Study* identified ways to help RI Energy better understand the needs of homeowners and landlords with electric resistance heating and ways to overcome barriers to heat pump adoption. The study recommends helping customers manage upfront costs, building customer's confidence in the benefits of a heat pump upgrade, streamlining the rebate application process, and improving the program website by adding more information on heat pump savings to encourage the switch from electric resistance heating to heat pumps.

Seven studies were in progress at the end of the third quarter and are expected to be completed by the end of this year (fourth quarter 2024):

- RI-24-RX-MarketResearch - Residential Market Research (Moderate Income Study)
- RI-24-RX-IncEligible - Income Eligible Single Family Impact Evaluation
- RI-24-CX-CINCPProcess - Process Evaluation of C&I New Construction Program

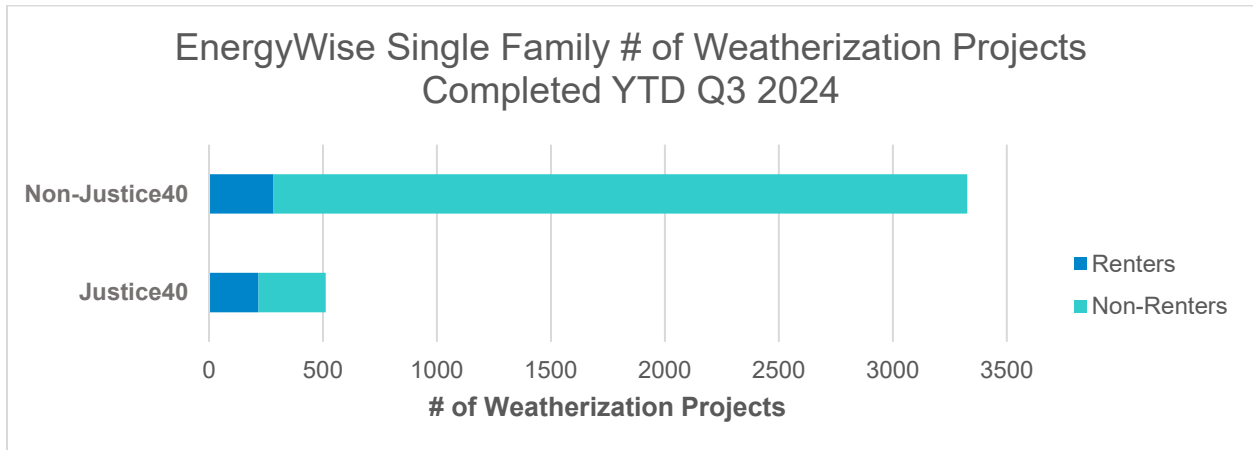
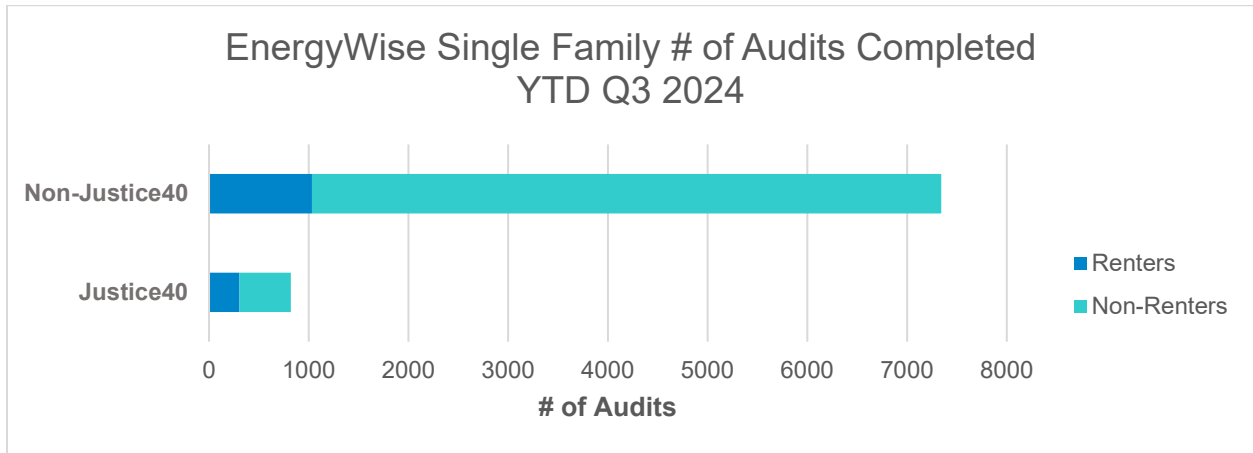
- RI-24-CX-CustProcessEval - Process Evaluation of C&I Custom Approach
- RI-22-CX-Codes - C&I New Construction Baseline Study (NRNC Baseline)
- RI-24-CX-MarketResearch - Multistate Lighting Study (C&I LightingPLUS Market Characterization)
- RI-24-XX-MultiFamCustom - Multifamily Custom Measure Impact Evaluation

Demonstrations, Pilots, Assessments

DPA Name		Q3 2024 Updates
<u>Automated RTU Optimization - Demonstration - C&I</u>	Date	12/6/2024
	Stage	Evaluate
	Recent Activity	Evaluation report completed
	Next steps	Integrate strategies into program design and implementation
<u>Weatherization – Demonstration - C&I</u>	Date	12/6/2024
	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	12/6/2024
	Stage	Design
	Recent Activity	Continuing outreach and listening sessions; expanding into other Equity Communities
	Next Steps	Scale outreach activities and assess impact of strategy
<u>Multifamily Financing – Demonstration - Resi</u>	Date	12/6/2024
	Stage	Closed
	Recent Activity	Blocpower notified the Company that it will no longer be able to complete the demonstration
	Next Steps	Complete

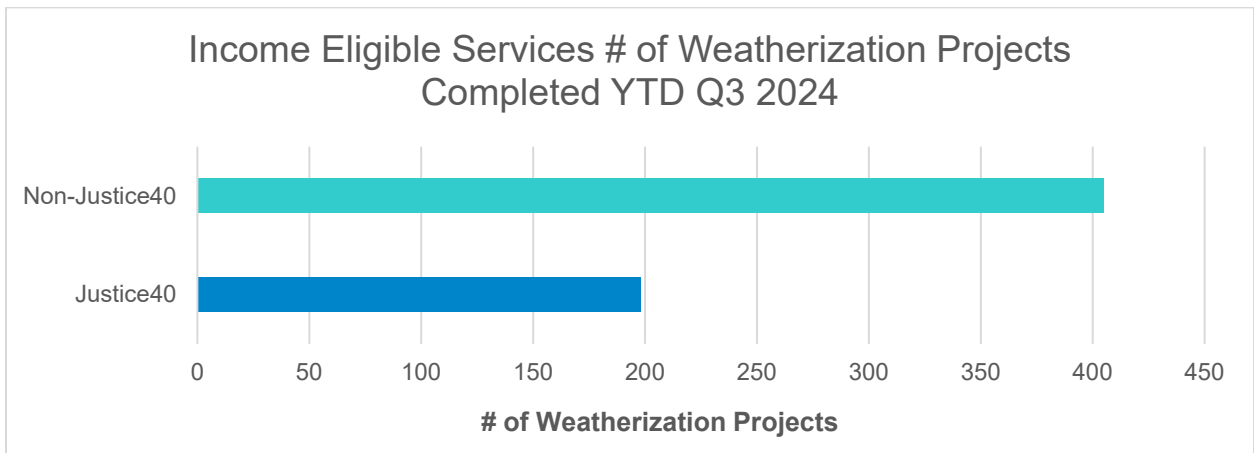
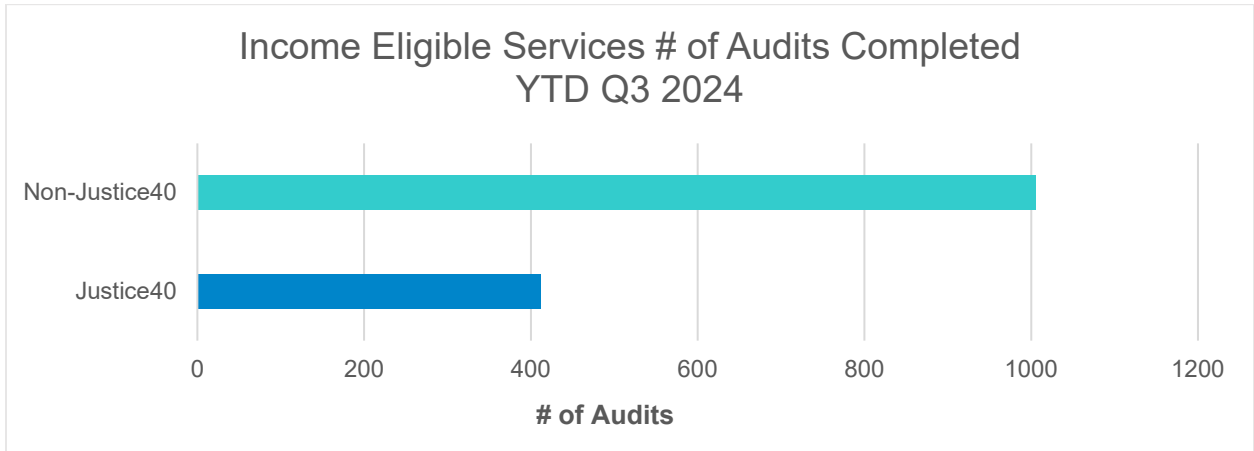
Q3 Equity Metrics

Equity Category: Participation Barriers ³



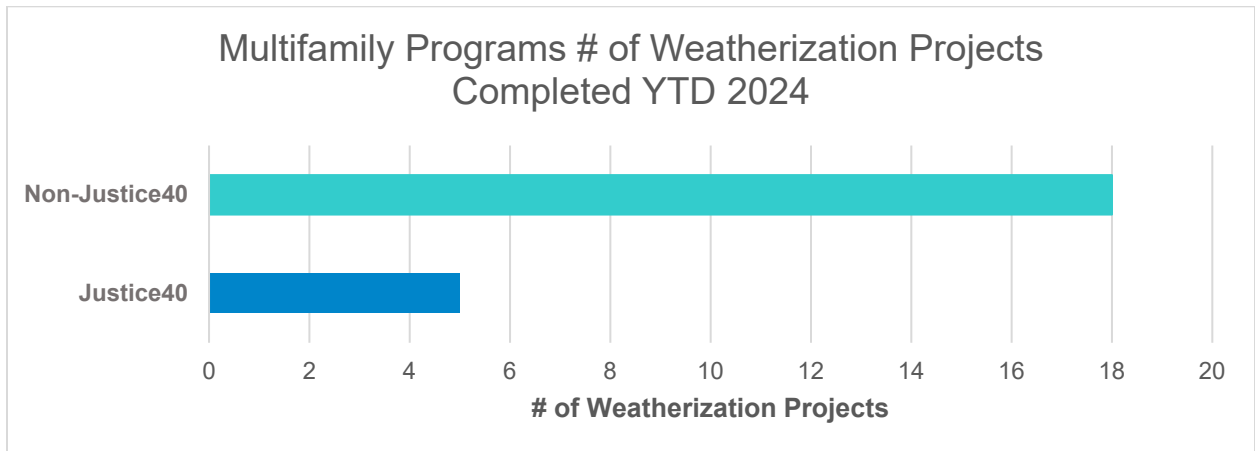
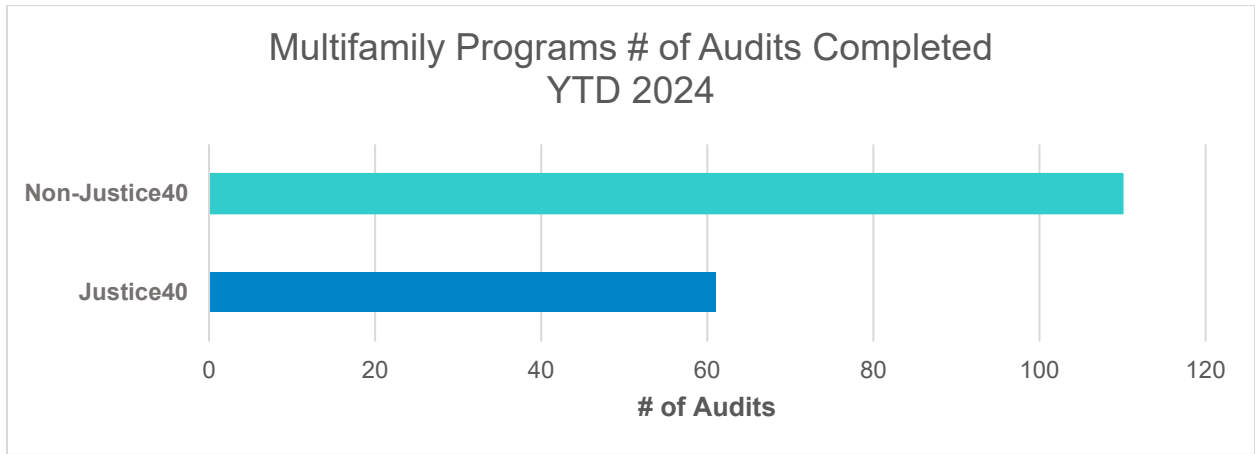
³ All data shown is preliminary and subject to change. Data shown comes from a system not directly managed by Rhode Island Energy.

Equity Category: Participation Barriers ⁴



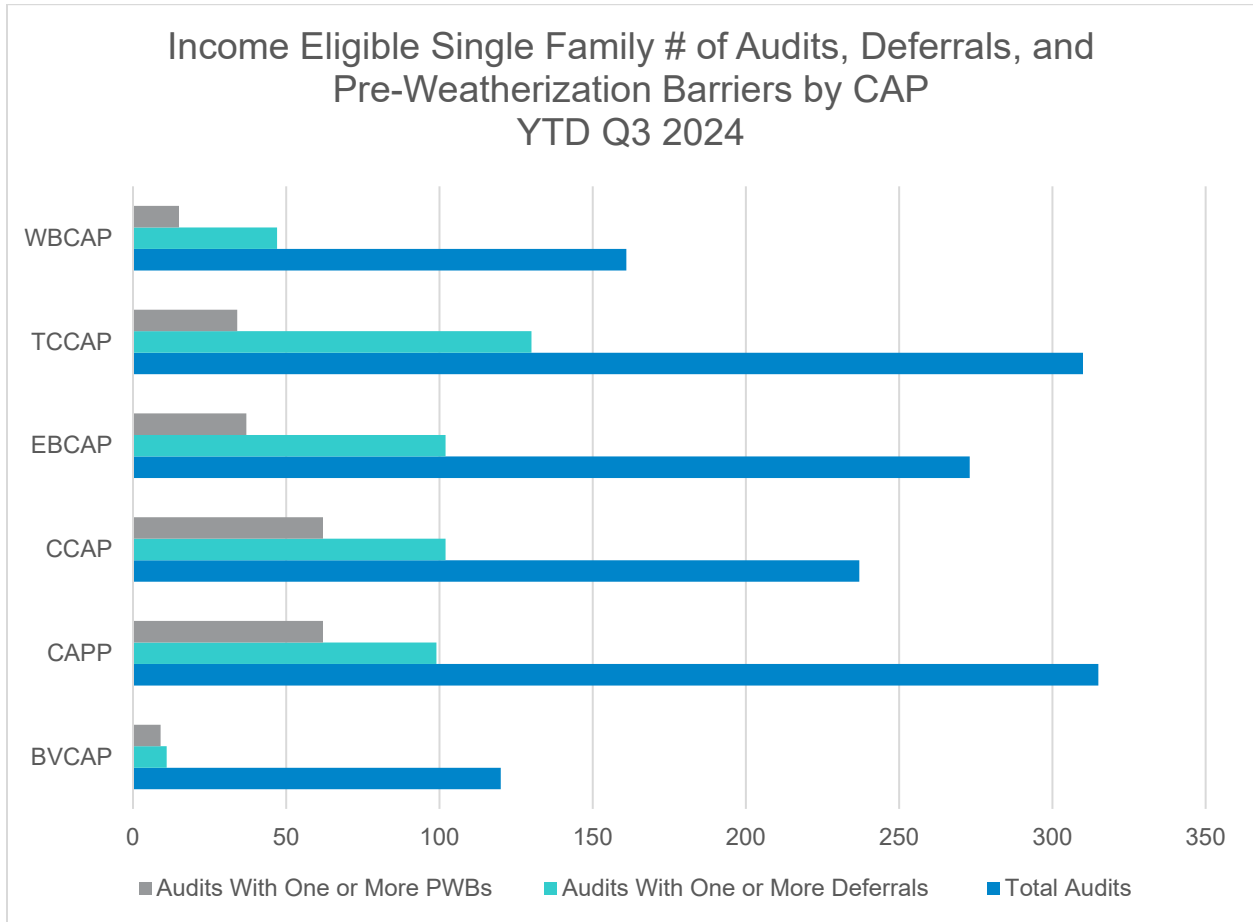
⁴ All data shown is preliminary and subject to change. Data reflected on this page has been updated since the Company's presentation on Energy Efficiency Equity Metrics to the Energy Efficiency and Resource Management Council (EERMC) on 11/21/24. Data shown comes from a system not directly managed by Rhode Island Energy.

Equity Category: Multifamily Barriers ⁵



⁵ All data shown is preliminary and subject to change. Totals include both income eligible and market rate programs. Data shown comes from a system not directly managed by Rhode Island Energy.

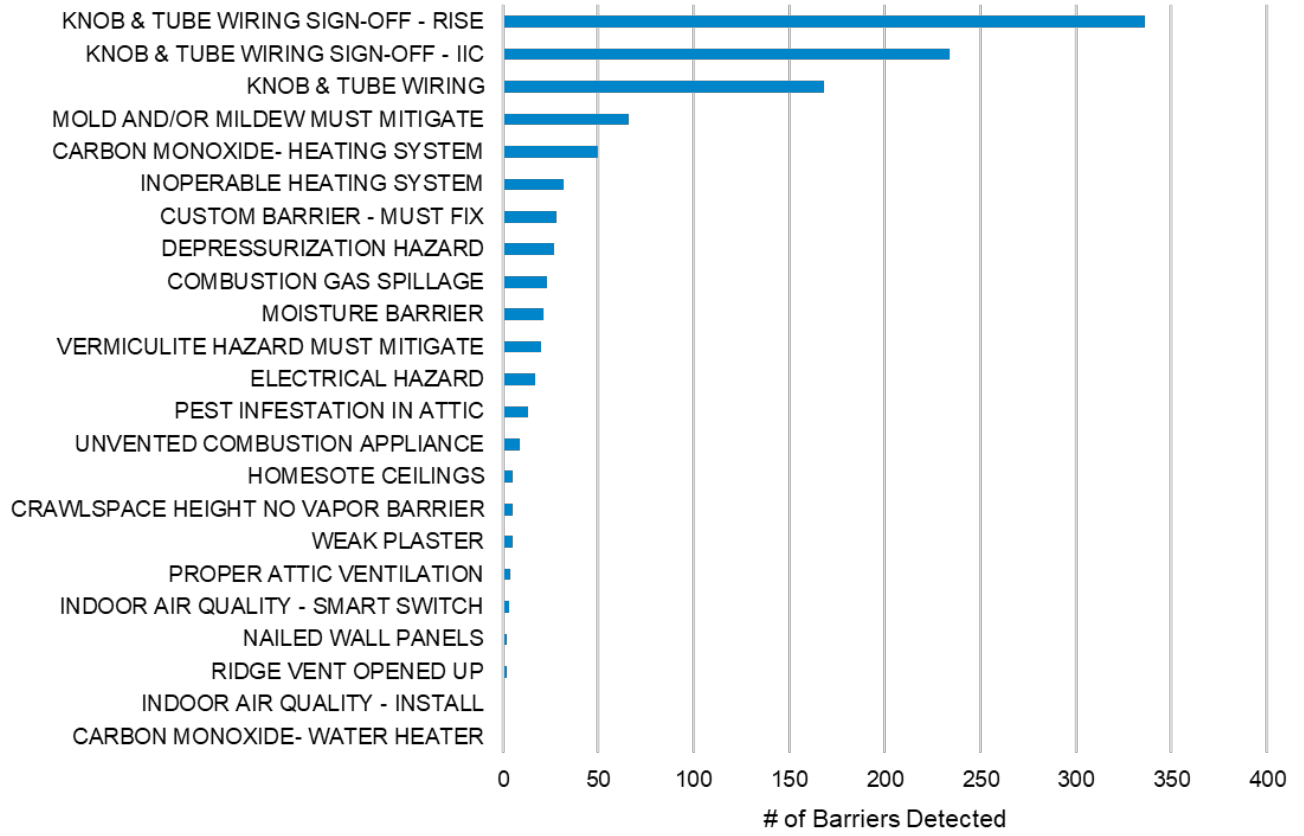
Equity Category: Pre-Weatherization Barriers ⁶



⁶ All data shown is preliminary and subject to change. Data reflected on this page has been updated since the Company's presentation on Energy Efficiency Equity Metrics to the Energy Efficiency and Resource Management Council (EERMC) on 11/21/24. Data shown comes from a system not directly managed by Rhode Island Energy.

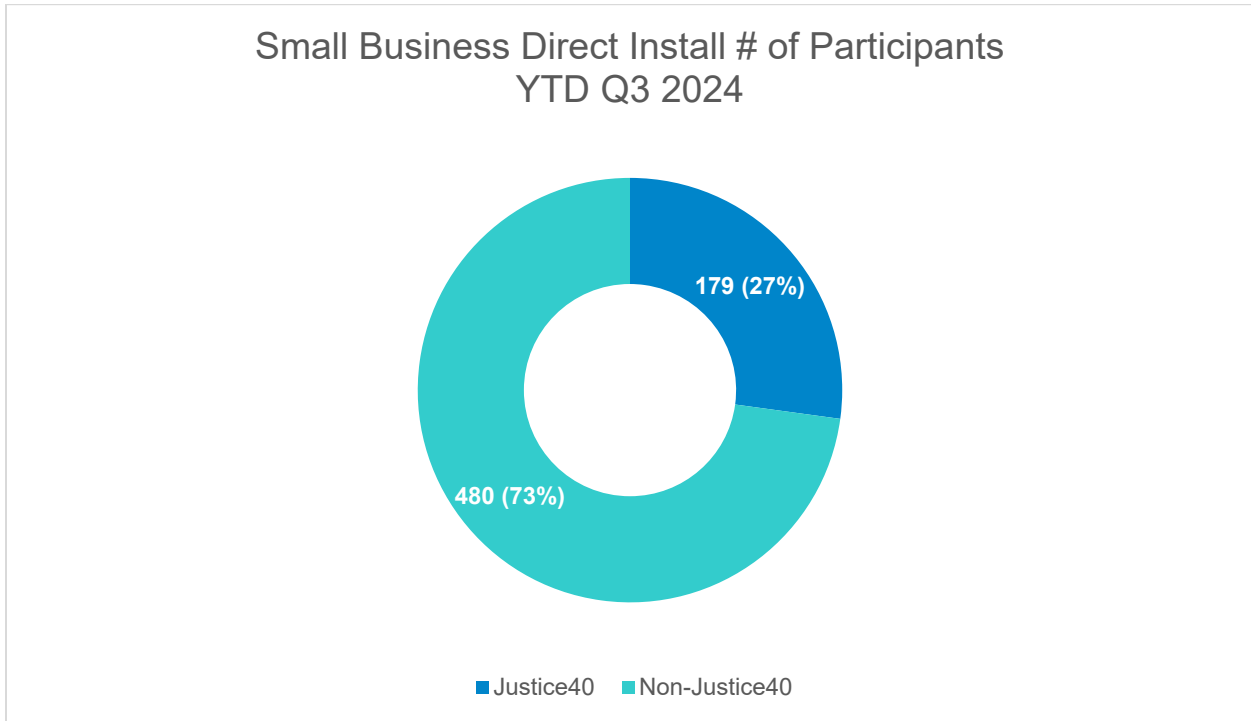
Equity Category: Pre-Weatherization Barriers ⁷

EnergyWise Single Family # of Pre-Weatherization Barriers by Barrier Type YTD Q3 2024



⁷ All data shown is preliminary and subject to change. Data shown comes from a system not directly managed by Rhode Island Energy.

Equity Category: Microbusiness & Small Business ⁸



Small Business Direct Install Customer Size by
Annual Consumption (kWh) CY 2023

Customer Size by Annual Consumption (kWh)	Number of Participants	Percent
Greater than 1.5M kWhs	1	0%
1.25M to 1.5M kWhs	3	1%
1M to 1.25M kWhs	2	0%
750,000 to 1 million kWhs	6	1%
500,000 to 750,000	17	4%
250,000 to 500,000	31	7%
200,000 to 250,000 kWhs	12	3%
150,000 to 200,000 kWhs	8	2%
100,000 to 150,000 kWhs	39	9%
50,000 to 100,000 kWhs	56	13%
Less than 50,000 kWhs	244	58%
Unmatched	24	
Total	443	419

⁸ All data shown is preliminary and subject to change.

RHODE ISLAND ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND
Table 1: Summary of Electric 2024 Target and Preliminary 3rd 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	228	15.2%	11,956	1,586	13.3%	46	195	423.8%	\$ 9,227.2	\$ 2,388.4	25.9%	58.9%	181,356	24,962	13.8%	37.0%	\$ 0.051	\$ 0.096
Large Commercial Retrofit	6,157	1,749	28.4%	34,603	17,064	49.3%	2,170	1,184	54.6%	\$ 22,797.9	\$ 13,070.1	57.3%	116.6%	242,515	115,846	47.8%	105.7%	\$ 0.094	\$ 0.113
Small Business Direct Install	684	462	67.6%	8,370	2,485	29.7%	343	345	100.6%	\$ 8,199.9	\$ 2,145.5	26.2%	71.1%	59,873	18,181	30.4%	80.0%	\$ 0.137	\$ 0.118
Community Based Initiatives - C&I										\$ 57.9	\$ 12.8	22.1%	100.0%						
Commercial Workforce Development										\$ 74.9	\$ -	0.0%	100.0%						
SUBTOTAL	8,340	2,440	29.3%	54,929	21,135	38.5%	2,559	1,724	67.4%	\$ 40,357.8	\$ 17,616.7	43.7%	94.1%	483,744	158,989	32.9%	76.8%	\$ 0.083	\$ 0.111
Income Eligible Residential																			
Single Family - Income Eligible Services	320	71	22.2%	2,466	525	21.3%	3,153	982	31.1%	\$ 12,237.4	\$ 5,161.1	42.2%	100.0%	36,840	8,594	23.3%	100.0%	\$ 0.332	\$ 0.601
Income Eligible Multifamily	45	7	16.8%	1,220	54	4.5%	2,823	0	0.0%	\$ 3,784.2	\$ 827.6	21.9%	84.6%	18,518	54	0.3%	60.5%	\$ 0.204	\$ -
SUBTOTAL	364	78	21.5%	3,686	580	15.7%	5,976	982	16.4%	\$ 16,021.6	\$ 5,988.8	37.4%	96.4%	55,358	8,649	15.6%	86.8%	\$ 0.289	\$ 0.692
Non-Income Eligible Residential																			
Residential New Construction	18	14	77.7%	735	56	7.6%	415	353	85.0%	\$ 1,312.7	\$ 633.3	48.2%	95.0%	15,904	1,253	7.9%	70.0%	\$ 0.083	\$ 0.505
ENERGY STAR® HVAC	570	85	14.9%	6,598	1,297	19.7%	6,457	2,893	44.8%	\$ 6,570.7	\$ 2,269.9	34.5%	90.0%	112,749	23,086	20.5%	90.0%	\$ 0.058	\$ 0.098
EnergyWise	228	102	44.5%	1,264	610	48.3%	9,592	9,640	100.5%	\$ 16,277.7	\$ 12,413.4	76.3%	90.0%	14,991	6,985	46.6%	100.0%	\$ 1.086	\$ 1.777
EnergyWise Multifamily	44	4	9.6%	505	23	4.5%	1,768	40	2.3%	\$ 1,291.9	\$ 272.7	21.1%	55.0%	8,122	147	1.8%	55.4%	\$ 0.159	\$ 1.859
Residential Consumer Products	631	142	22.6%	2,815	512	18.2%	26,628	2,227	8.4%	\$ 1,987.4	\$ 739.5	37.2%	90.0%	15,323	3,589	23.4%	60.0%	\$ 0.130	\$ 0.206
Home Energy Reports	3,212	2,743	85.4%	23,359	19,951	85.4%	280,116	251,432	89.8%	\$ 2,123.3	\$ 1,540.0	72.5%	100.0%	23,359	19,951	85.4%	85.4%	\$ 0.091	\$ 0.077
Community Based Initiatives - Residential										\$ 139.4	\$ -	0.0%	100.0%						
Comprehensive Marketing - Residential										\$ 326.5	\$ 217.9	66.7%	100.0%						
SUBTOTAL	4,702	3,090	65.7%	35,276	22,448	63.6%	324,977	266,585	82.0%	\$ 30,029.6	\$ 18,086.6	60.2%	89.6%	190,447	55,010	28.9%	84.7%	\$ 0.158	\$ 0.329
Regulatory																			
EERMC										\$ 645.1	\$ 425.2	65.9%	100.0%						
OER										\$ 1,387.7	\$ 1,071.5	77.2%	100.0%						
RI Infrastructure Bank										\$ 3,737.5	\$ 2,803.1	75.0%	100.0%						
SUBTOTAL										\$ 5,770.3	\$ 4,299.8	74.5%	100.0%						
TOTAL	13,406	5,608	41.8%	93,891	44,164	47.0%	333,513	269,291	80.7%	\$ 92,179.3	\$ 45,992.0	49.9%	93.4%	729,550	222,649	30.5%	79.6%	\$ 0.126	\$ 0.207

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 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. Values reflected may be impacted by the Company's energy efficiency tracking system transition. 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 3rd Quarter Results

GAS PROGRAMS Sector and Program	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(16)	(10)	(11)	(12)	(17)	(13)	(14)	(15)
	Energy Savings (Annual MMBtu)			Customer Participation			Expenses (\$ 000)				Energy Savings (Lifetime MMBtu)				\$/Lifetime MMBtu		Peak Hour Gas Demand Savings (MMBtu)
	Target	Year To Date	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	5,563	12.5%	63	91	144.6%	\$ 2,236.4	\$ 785.8	35.1%	60.0%	657,560	80,994	12.3%	22.2%	\$ 3.40	\$ 9.70	2.78
Large Commercial Retrofit	100,812	(1,499)	-1.5%	59	11	18.5%	\$ 4,476.5	\$ 1,007.0	22.5%	80.7%	1,075,167	(45,056)	-4.2%	31.0%	\$ 4.16	\$ (22.35)	(0.75)
Small Business Direct Install	9,857	6,943	70.4%	148	262	177.5%	\$ 757.3	\$ 399.8	52.8%	76.0%	118,655	41,791	35.2%	85.0%	\$ 6.38	\$ 9.57	3.47
Commercial & Industrial Multifamily	4,205	800	19.0%	495	3	0.6%	\$ 879.8	\$ 480.3	54.6%	100.0%	65,609	18,924	28.8%	106.7%	\$ 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	11,808	7.4%	765	367	48.0%	\$ 8,385.9	\$ 2,673.0	31.9%	76.9%	1,916,991	96,653	5.0%	33.9%	\$ 4.37	\$ 27.66	5.90
Income Eligible Residential																	
Single Family - Income Eligible Services	5,992	1,907	31.8%	808	173	21.4%	\$ 4,509.4	\$ 2,161.8	47.9%	100.0%	121,326	38,140	31.4%	100.0%	\$ 37.17	\$ 56.68	0.95
Income Eligible Multifamily	10,375	85	0.8%	2,779	90	3.2%	\$ 3,076.5	\$ 566.7	18.4%	130.0%	166,156	1,211	0.7%	132.4%	\$ 18.52	\$ 468.15	0.04
SUBTOTAL	16,367	1,992	12.2%	3,587	263	7.3%	\$ 7,585.9	\$ 2,728.5	36.0%	112.2%	287,482	39,351	13.7%	118.7%	\$ 26.39	\$ 69.34	1.00
Non-Income Eligible Residential																	
EnergyWise	31,871	16,536	51.9%	1,739	2,506	144.1%	\$ 11,084.3	\$ 2,804.7	25.3%	94.7%	613,643	384,478	62.7%	100.0%	\$ 18.06	\$ 7.29	8.27
Energy Star® HVAC	11,329	4,917	43.4%	2,943	773	26.3%	\$ 1,516.1	\$ 801.7	52.9%	100.0%	219,298	96,172	43.9%	100.0%	\$ 6.91	\$ 8.34	2.46
EnergyWise Multifamily	5,061	1,086	21.5%	3,499	79	2.3%	\$ 1,439.7	\$ 184.3	12.8%	70.2%	104,240	24,751	23.7%	74.8%	\$ 13.81	\$ 7.45	0.54
Home Energy Reports	85,663	52,374	61.1%	132,345	125,684	95.0%	\$ 354.9	\$ 259.5	73.1%	100.0%	85,663	52,374	61.1%	100.0%	\$ 4.14	\$ 4.96	26.19
Residential New Construction	3,239	703	21.7%	466	226	48.5%	\$ 579.9	\$ 381.1	65.7%	99.9%	73,327	16,346	22.3%	100.0%	\$ 7.91	\$ 23.31	0.35
Comprehensive Marketing - Residential							\$ 79.7	\$ 59.7	74.9%	100.0%							
Community Based Initiatives - Residential							\$ 46.5	\$ -	0.0%	100.0%							
SUBTOTAL	137,163	75,617	55.1%	140,993	129,268	91.7%	\$ 15,101.0	\$ 4,490.9	29.7%	93.3%	1,096,171	574,121	52.4%	97.6%	\$ 13.78	\$ 7.82	37.81
Regulatory																	
EERMC							\$ 345.9	\$ 283.4	81.9%	100.0%							
OER							\$ 642.8	\$ 620.8	96.6%	100.0%							
RI Infrastructure Bank							\$ 1,262.5	\$ 946.9	75.0%	100.0%							
SUBTOTAL							\$ 2,251.2	\$ 1,851.1	82.2%	100.0%							
TOTAL	312,846	89,416	28.6%	145,345	129,898	89.4%	\$ 33,324.0	\$ 11,743.6	35.2%	93.9%	3,300,644	710,124	21.5%	62.5%	\$ 10.10	\$ 16.54	44.71

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 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. Values reflected may be impacted by the Company's energy efficiency tracking system transition. 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>		
(1) 2024 Funds Available	\$12,857,201	
(2) 2024 Loan budget	\$14,000,000	
(3) Committed	\$2,634,264	
(4) Paid	\$964,784	
(5) Repayments	\$4,225,043	
(6) Available 09/30/24	\$13,483,197	
(7) Outstanding loan volume	\$10,313,055	
(8) Loan defaults during period (\$)	\$0	
(9) Arrears over 120 days at period end (\$)	\$68,192	
<u>Program Impact</u>		
(10) Number of loans	83	
(10b) Participants	78	
(11) Annual Savings (Gross MWh)	6,631	
(12) Annual Savings (Net MWh)	5,033	
(13) Lifetime Savings (Gross MWh)	56	
(14) Lifetime Savings (Net MWh)	42,344	
(15) Annual Savings (Gross kW)	10	
(16) Annual Saving (Net kW)	8	
(17) Total associated incentive volume (\$)	\$3,648,986	
(18) Total annual estimated energy cost savings (\$)	\$890,841	

<u>Income Statement</u>		
(1) 2024 Funds Available	\$3,894,924	
(2) 2024 Loan budget	\$2,000,000	
(3) Committed	\$445,816	
(4) Paid	\$548,513	
(5) Repayments	\$673,328	
(6) Available 09/30/24	\$3,573,923	
(7) Outstanding loan volume	\$302,385	
(8) Loan defaults during period (\$)	\$24,092	
(9) Arrears over 120 days at period end (\$)	\$10,730	
<u>Program Impact</u>		
(10b) Participants	345	
(11) Annual Savings (Gross MWh)	3,062	
(12) Annual Savings (Net MWh)	2,485	
(13) Lifetime Savings (Gross MWh)	24,109	
(14) Lifetime Savings (Net MWh)	18,181	
(15) Annual Savings (Gross kW)	594	
(16) Annual Saving (Net kW)	462	
(17) Total associated incentive volume (\$)	\$1,710,837	
(18) Total annual estimated energy cost savings (\$)	\$439,906	

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) Repayments	\$0	
(6) Available 06/30/24	\$0	
(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 09/30/24" 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 Sep 30, 2024.
 - 4 As of Sep 30, 2024. This includes all projects paid through Sep 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 Sep 30, 2024. This includes all projects paid through Sep 30, 2024 and the OBR associated with those projects. OBR payments are processed once the associated incentive has been paid, usually in batches.
 - 6 Fund balance as of Sep 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 Sep 30, 2024.
 - 10 As of Sep 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). Customer accounts used for small business (not adjusted for net-to-gross).
 - 11 As of Sep 30, 2024
 - 12 As of Sep 30, 2024
 - 13 As of Sep 30, 2024
 - 14 As of Sep 30, 2024
 - 15 As of Sep 30, 2024
 - 16 As of Sep 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. Values reflected may be impacted by the Company's energy efficiency tracking system transition. Data is finalized in the Year-End Report.

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	\$356,542	(6)	Available 09/30/24	\$964
(6)	Available 09/30/24	\$1,271,407	(7)	Outstanding loan volume	\$0
(7)	Outstanding loan volume	\$873,108	(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 09/30/24" 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 Sep 30, 2024. This includes all project paid through Sep 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 Sep 30, 2024. This includes all project paid through Sep 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 Sep 30, 2024
- 6 Fund balance as of Sep 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 Sep 30, 2024
- 10 As of Sep 30, 2024
- 10b Available 09/30/24
- 11 As of Sep 30, 2024
- 12 As of Sep 30, 2024
- 13 As of Sep 30, 2024
- 14 As of Sep 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. Values reflected may be impacted by the Company's energy efficiency tracking system transition. Data is finalized in the Year-End Report.

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

Carbon Reduction¹

	CO2 (Electricity)	CO2 (Natural Gas)	CO2 (Oil)	CO2 (Propane)	CO2 (Total)
Residential	8,575	4,424	776	20	13,795
Income Eligible	222	117	136	9	483
C&I	8,074	691	4,131	283	13,179
Total	16,870	5,231	5,042	313	27,457

NOTES

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

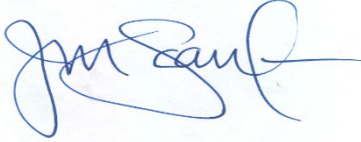
Values in quarterly reports are preliminary and subject to change. Data is finalized in the Year-End Report.

Values reflected may be impacted by the Company's energy efficiency tracking system transition.

Certificate of Service

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

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



Joanne M. Scanlon

December 6, 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 12/6/2024**

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