



STATE OF RHODE ISLAND  
**ENERGY EFFICIENCY &  
RESOURCE MANAGEMENT COUNCIL**

## **MEETING MINUTES**

**Thursday, February 6, 2014**

**3:30 - 5:30 PM**

Conference Room B  
Department of Administration  
One Capitol Hill, Providence, RI

- Members Present:** Abigail Anthony, Joe Cirillo, Jennifer Hutchinson, Michael McAteer, Joe Newsome, Chris Powell
- Members Absent:** Marsha Garcia, Julie Gill, Marion Gold, Dan Justynski, Paul Ryan
- Consultants Present:** Shawn Bleything, Mike Guerard, Sam Huntington, Scudder Parker
- OER Staff Present:** Danny Musher, Rachel Sholly, Nick Ucci
- Others Present:** Karen Bradbury, Julie Capobianco, Catriona Cooke, Nick Corsetti, Frank Gorke, Joanne Gregory, Angela Li, David MacLellan, Sean Murphy, Jeremy Newberger, Sam Nutter, Belinda Wong, Chon Meng Wong

### **1. Call to Order**

Vice Chairman Chris Powell called the meeting to order at 3:36 PM.

### **2. Approval of January Meeting Minutes**

Joe Cirillo made a motion to accept the December meeting minutes as submitted. Joe Newsome seconded and the motion passed unanimously.

### **3. Executive Director Report**

Nick Ucci presented the Executive Director report on behalf of Commissioner Marion Gold who was absent. Mr. Ucci reported that the OER will be hiring Sue AnderBois in early March. The Northeast Energy Efficiency Partnership Conference will be held in Newport this year; Commissioner Gold and Tim Horan of National Grid are the co-chairs. Mr. Ucci also reported that the Regional Energy Infrastructure Initiative recently presented an overview of regional action concerning expanded access to low-to-no carbon energy sources and an expansion of natural gas capacity. The states recently sent a letter to ISO-NE requesting support for technical

analysis and assistance on developing tariff filings that will be needed. Although the states continue to work to develop mechanisms and consider scope and scale of the Initiative, we are cognizant and respectful of the need to be transparent and look forward to utilizing NEPOOL and other forums, such as the region's Gas-Electric Focus Group, to provide detail as available and consider stakeholder input.

Mr. Ucci reported that the OER released a draft of its State Energy Plan Policy Recommendation to the Energy Plan Advisory Council in late-January. We also held a meeting on January 30<sup>th</sup> to review those policy recommendations at a high level and encourage stakeholder feedback. The Project Team proposed a portfolio of 20 recommendations which help frame the minimum near- and long-term steps Rhode Island must take to achieve Plan targets across the electric, thermal, and transportation sectors. The recommendations also reflect three guiding principles behind the State Energy Plan modeling efforts – energy security; cost-effectiveness; and sustainability. The policy recommendations are not at the level of individual policy design, but instead provide a portfolio of guiding strategies that policy makers and stakeholders can use in designing action-oriented standards, laws, etc. The OER provided a brief slide deck to the Council members (see attached) which helps put this information into some context. The OER hopes to provide a deeper dive on the State Energy Plan at next month's EERMC meeting.

Rachel Sholly gave a quick overview of next steps on the Council's 2014 Annual Report. Ms. Sholly will send an email to Council members, including non-voting members, to form a subcommittee to develop policy recommendations. Ms. Sholly then updated the Council on RIPEP and Energy Expo activities (see attached).

#### **4. Policy/Planning Issues**

##### *3-Year Targets and Updates to Standards for Energy Efficiency and System Reliability Procurement*

A subcommittee, consisting of Jeremy Newberger, Courtney Lane, Scudder Parker, Mike Guerard, Marion Gold, Nick Ucci, and Abigail Anthony, has been meeting regularly to discuss proposed updates to the standards. Ms. Anthony presented the subcommittee's proposed (see attached). The goal is to submit these to the Public Utilities Commission (PUC) by February 19, 2014. **Mr. Powell made a motion to authorize the Savings Targets Subcommittee to review and present recommended updates to Least Cost Procurement (LCP) and System Reliability Procurement (SRP) standards at the March 13 meeting for presentation and vote to authorize further direction. Mr. Newsome seconded and the motion passed unanimously.**

Mr. Newberger emphasized the importance of doing these under two separate dockets to avoid further delays in approving the savings targets. A technical session at the PUC is scheduled for February 25, 2014. The Targets Subcommittee will need to prepare for that.

##### *Review of Bill and Rate Impact Analysis*

Scudder Parker explained that the Division of Public Utilities and Carriers (Division) commissioned Synapse Energy to conduct an analysis on the rate, bill and participation impacts

of achieving the proposed efficiency targets. Sam Huntington reviewed the findings of the study and implications for the Council (see attached).

## **5. General Updates on Energy Efficiency Programs and System Reliability** **Procurement: 2013 Energy Efficiency Program Results**

Michael McAteer reported on 2013 program results (see attached).

## **6. Deeper Update on Energy Efficiency Program: Income Eligible Program**

Nick Corsetti and Sean Bleything presented on the status of the Income Eligible (IE) Program (see attached). Mr. Newsome thanked the presenters for pulling this information together, noting that he is now optimistic on the impacts of these programs moving forward. He underscored the need for prompt and reliable data so that we are in a position to take corrective action if needed.

## **7. Other Business: RI Energy Marketing - Vote on Budget Subcommittee Recommendation**

Ms. Anthony explained that the Budget Subcommittee has been discussing the idea of investigating how branding and marketing of the state's energy efficiency programs impact participation. The Subcommittee has worked with VEIC and is beginning to develop a scope of work. This work would be paid for by the EERMC with oversight by the Budget Subcommittee and the OER.

Mr. McAteer noted that National Grid would like to be included on the development of this scope, noting that we may discover that the current branding and marketing works just fine. Mr. Ucci talked about stratifying methods based on customer segment. Technical firm would look at other states, National Grid's existing evaluations, surveys, focus groups, and other ways to understand the impact of marketing. McAteer noted that Grid already has a large number of focus groups already going, and may be able to use those. We should all be informed on where we are now to make sure we are not doing something that has already been done.

Discussion ensued around the process for selecting a firm to do this study. Mr. Ucci noted that these questions have been discussed by the Subcommittee and the OER and the group concluded that this would be an efficient use of the Consultant Team's time, added value for the time and cost would not be worth it.

**Ms. Anthony made a motion to authorize the Budget Subcommittee to continue working with OER and National Grid on a branding and marketing study and to finalize budget not to exceed \$50,000 to proceed with the project. Mr. Cirillo seconded. The motion passed unanimously.**

## **8. Public Comment**

Chon Meng Wong of Care Technologies talked about his Rhode Island based LED lighting company. He would like to explore how his local company could be given the opportunity to participate in programs like RIPEP.

## **9. Adjournment**

Mr. Cirillo made a motion to adjourn. Mr. Newsome seconded and the motion passed unanimously.

**Next Meeting:** Thursday, March 13<sup>th</sup> 3:30-5:30 PM; Conference Room B

# RISEP Advisory Council Meeting #8

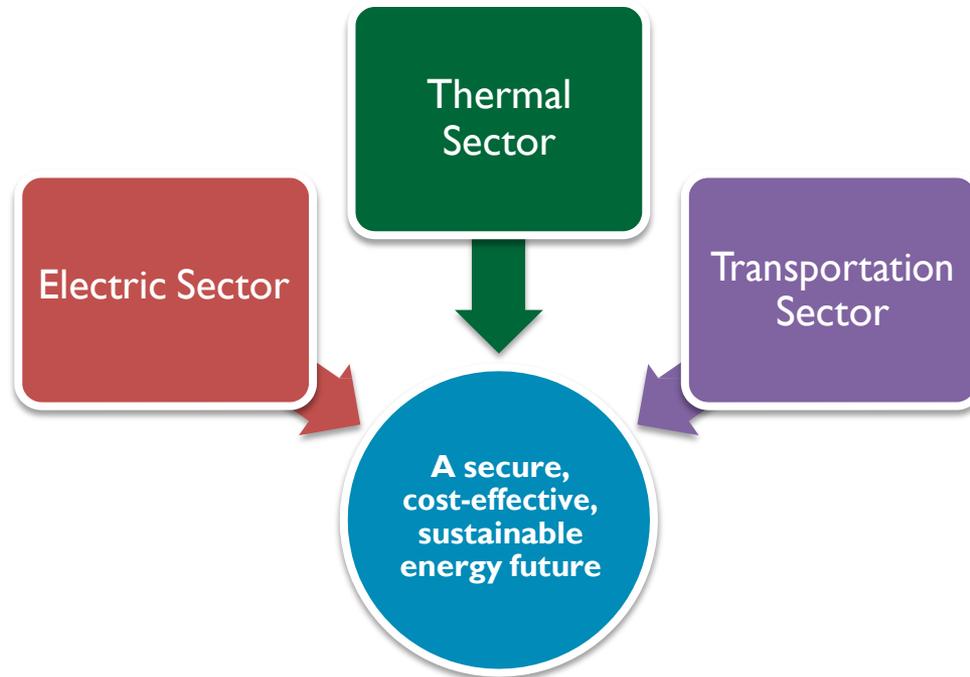
Commerce RI  
Thursday, January 30, 9–11 am



STATE OF RHODE ISLAND

**OFFICE OF  
ENERGY RESOURCES**

# RISEP Vision Statement



*“In 2035, Rhode Island provides energy services across all sectors—**electricity, thermal, and transportation**—using a **secure, cost-effective, and sustainable** energy system.”*



# RISEP Project Tasks

## **Gather Data**

*Analyze and quantify the amount, cost, supply, and environmental effects of all forms of energy resources—currently used, and potentially available to use—within all sectors in Rhode Island.*

## **Set Goals**

*Identify measurable targets for providing energy services using a resource mix that meets a set of criteria advancing the health, environmental, economic, and human wellbeing of the people, communities, and environment of Rhode Island.*

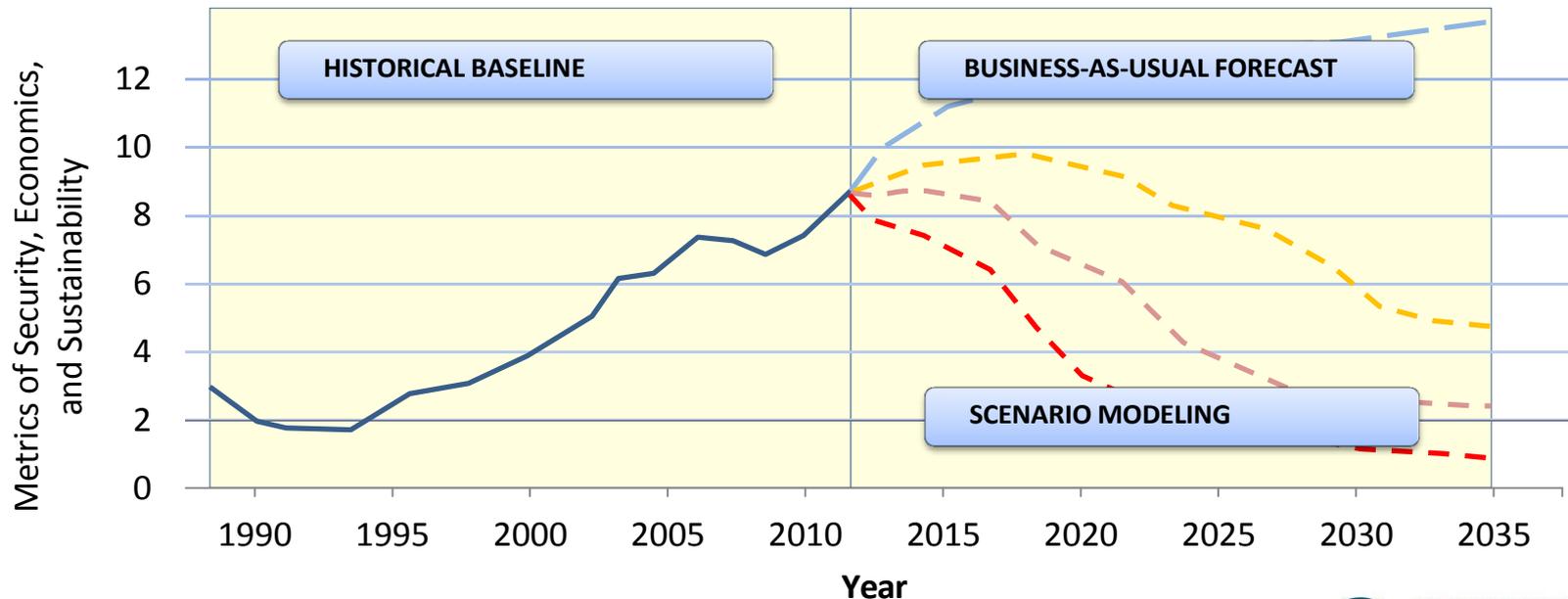
## **Recommend Action**

*Design a comprehensive implementation strategy to meet the goals of the Plan through public, private, and individual efforts, consistent with existing policy requirements at the local, state, regional, and federal level.*

# Gathering Data

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Analyze and quantify the amount, cost, supply, and environmental effects of all forms of energy resources—currently used, and potentially available to use—within all sectors in Rhode Island.



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Analyze and quantify the amount, cost, supply, and environmental effects of all forms of energy resources—currently used, and potentially available to use—within all sectors in Rhode Island.

## Navigant modeled three energy future scenarios

### Scenario 1 (Security)

- Prioritizes energy security through fuel diversification and grid modernization

### Scenario 2 (Cost-Effectiveness)

- Prioritizes cost-effectiveness and economic development while hitting key targets for GHG reduction

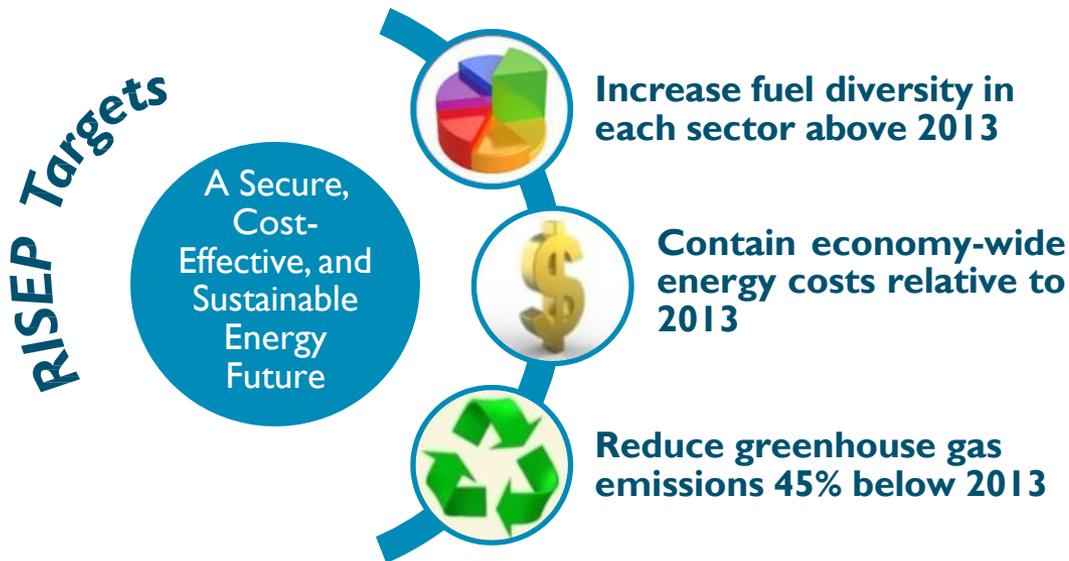
### Scenario 3 (Sustainability)

- Prioritizes the sustainability of Rhode Island's energy economy through the widespread deployment of renewables, thermal alternatives, and vehicle electrification

# Setting Goals

## Set Goals

*Identify measurable targets for providing energy services using a resource mix that meets a set of criteria advancing the health, environmental, economic, and human wellbeing of the people, communities, and environment of Rhode Island.*



Hitting key targets for GHG reductions while increasing energy diversity is anticipated to provide net economic benefits to Rhode Island

# Recommending Action

## **Recommend Action**

*Design a comprehensive implementation strategy to meet the goals of the Plan through public, private, and individual efforts, consistent with existing policy requirements at the local, state, regional, and federal level.*

- **The RISEP Project Team proposed a portfolio of 20 policy recommendations**
  - The policy recommendations help frame the minimum near- and long-term steps Rhode Island must take to achieve the RISEP targets
  - Recommendations are proposed for:
    - The RISEP security, cost-effectiveness, and sustainability criteria; and
    - The electric, thermal, and transportation sectors

# How were policies developed?

- The RISEP Project Team used analysis and research to propose policy recommendations

## Overall Approach

- Identify policies needed to meet carbon reduction target and estimate necessary size accordingly
- Select those policies consistent with driving increased fuel diversity in Rhode Island's energy portfolio
- Recommend the most cost-effective strategies and methods

Hitting key targets for GHG Reductions while increasing energy diversity is anticipated to provide net economic benefits to Rhode Island

## Sources of Information

- **Results of Navigant Scenario Modeling**
  - *Helps answer → is the policy needed?*
- **Best Practices in Other Jurisdictions**
  - *Helps answer → does the policy work?*
- **Feedback from Implementation Group & Advisory Council**
  - *Helps answer → is the policy right for Rhode Island?*



# Level of Treatment

- **Designed as a portfolio of strategies to achieve the goals and targets of the RISEP**
  - Intent is to provide policymakers an overall picture of the complete array of actions needed to elicit desired outcomes
  - Highlights existing gaps, shows order of magnitude degree of change likely needed
- **Not at level of individual policy design**
  - Requires its own detailed analysis
    - For example, the DG Economic Impact Study is informing the DG program expansion
  - Navigant did not always explicitly model policy mechanisms needed to achieve future outcomes
    - For example, a B20 Standard was explicitly modeled; improving energy efficiency codes and standards was not explicitly modeled

# Level of Treatment

- Each “Policy Brief” contains the following sections:
  - Policy Description
    - Background
    - Summary
    - Experience in Other States
  - Rationale
    - What is the Need?
    - Alignment with RISEP Goals/Modeling
    - What are the Impacts/Benefits?
  - Implementation
    - Legal Authority
    - Lead/Responsible Actor
    - Expected Costs/Potential Funds
    - Design or Implementation Issues

## X. REDUCE VEHICLE MILES TRAVELED

*Invest in alternative modes of transportation; promote sustainable development and land use practices; and pilot programs incentivizing reduced discretionary driving*

**ESTIMATED NEED: ≥25% VMT REDUCTION & ≥DOUBLING OF PUBLIC TRANSIT RIDERSHIP**

CRITERIA/SECTOR	POLICY TYPE	TIMEFRAME
•SECURITY •COST-EFFECTIVENESS •SUSTAINABILITY •ELECTRIC •THERMAL •TRANSPORTATION	•EXISTING •EXPANDED •NEW	•NEAR TERM (0-5 YEARS) •LONG TERM (0-20 YEARS)

### Policy Description

#### Background

Just like in other sectors, the least-cost way to reduce impacts of transportation energy consumption is by reducing demand. In the transportation sector, energy use is a function of vehicle efficiency and vehicle-miles-traveled (VMT). In 2012, the most recent year with available data, Rhode Island drivers drove an estimated 7,834 million miles<sup>1</sup>. Total VMTs in Rhode Island have actually declined in recent years, by approximately 6% between 2007 and 2012.

Several methods exist to reduce VMTs. The simplest way is to decrease the absolute number of single-occupancy vehicle trips by promoting alternative modes of transportation including mass transit (rail, bus, bus rapid transit, streetcars, etc.) and active transit (biking, walking, etc.). Ridesharing, car-share programs, and flexible workplace policies also accomplish this objective. A second option is reducing the absolute length of single-occupancy vehicle trips by encouraging higher density patterns of development or changes in behavior. Promoting smart land use planning through the use of tools such as open space preservation, smart growth policies, subdivision and zoning regulations, and strategic development of

Estimated Impact/Need – Best current understanding from modeling



# How will the policies be used?

- **State agency decisionmakers will use RISEP policies to focus programmatic efforts and inform funding allocation decisions**
  - For example, initial RISEP policy recommendations are already guiding OER's proposed RGGI allocation plan
    - Grid Modernization Working Group, Delivered Fuels Working Group, Renewable Thermal Pilot Study, etc.
- **State policymakers and stakeholder groups can use RISEP policies to direct policy efforts**
  - For example, RISEP policy recommendations could help direct efforts to design climate legislation or inform the proposed size of electric, thermal, or transportation policies

Overall, policies provide stakeholder groups with a common understanding of the long-term vision and direction we want to move toward

# Philosophical Thoughts

- Policies are selected, sized, and designed to meet RISEP targets, which are ambitious
- There will be substantial benefits to meeting the targets, and substantial costs to not meeting the targets...
  - BUT, it will be very challenging to meet the targets
- It is acknowledged that meeting the targets depend on exogenous realities and variables including:
  - Political muster and leadership,
  - Changes to markets
  - Limits on society's willingness to pay
- However, we believe that achieving the RISEP vision is a technically feasible endeavor if the will to pursue it can be mustered
  - Thought experiment: Think about what things were like 20 years ago, then reconsider the RISEP vision for 20 years from now



# Policy Summaries

- **Security**
- **Cost-effectiveness**
- **Sustainability**
- **Energy Efficiency**
- **Electricity**
- **Thermal**
- **Transportation**

# Security

- Increase the resiliency of Rhode Island's energy system:

## Enhance Energy Emergency Preparedness

- *Develop a short- and long-term strategy for mitigating critical infrastructure energy security risks and investing in power resiliency solutions*

# Cost-effectiveness

- **Build Rhode Island's capacity to make long-term energy investments at a lower cost:**

## Expand Financing & Investment Tools

- *Transition energy programs from grants and rebates towards deploying private capital to create long-term, stable financing for energy efficiency and renewable energy*

## Update State Administration of Energy Programs

- *Simplify access to energy programs and maximize their impact through 1) a consolidated, one-stop-shop concierge service for homeowners and private businesses and 2) a tailored and comprehensive public sector "lead by example" strategy*

## Reduce the Soft Costs of Renewable Energy

- *Provide guidance at the state and municipal level for uniform, standardized clean energy permitting processes to streamline development and mitigate regulatory hurdles to renewable deployment*

## Track Progress Towards Goals

- *Develop improved standardized performance metrics and regular reporting mechanisms to measure success in meeting RISEP targets*

# Sustainability

- Set Rhode Island on a path to a reduced GHG footprint as a means to address global climate change and insulate citizens and businesses from a future price on carbon:

## Continue Participating in RGGI

- *Continue participating in the Regional Greenhouse Gas Initiative (RGGI)*

## Develop a Carbon Reduction Strategy

- *Establish binding near- and long-term greenhouse gas emissions targets and evaluate the most cost-effective portfolio of policies to meet the goals*

# Energy Efficiency

- Reaffirm Rhode Island's commitment to leadership in energy efficiency, the lowest-risk, lowest-cost, and arguably most sustainable energy resource available:

## Extend Least-Cost Procurement

- *Renew Rhode Island's commitment to leadership in energy efficiency by extending the Least-Cost Procurement mandate and its associated provisions beyond 2018*

## Expand Least-Cost Procurement to Unregulated Fuels

- *Develop a long-term strategy for sustainably funding energy efficiency programs for delivered fuels customers*

## Improve State Energy Efficiency Codes & Standards

- *Strengthen appliance minimum standards, and develop an integrated and long-term strategy to transition to zero net energy buildings*

# Electricity

- **Build on Rhode Island's existing successes to pursue a renewable energy and distributed generation future:**

## **Modernize the Grid**

- *Develop recommendations for electric grid, rate, and regulatory modernization*

## **Expand the Renewable Energy Standard**

- *Increase the Renewable Energy Standard beyond 16% by 2019*

## **Expand Renewable Energy Procurement**

- *Increase the share of renewable energy in Rhode Island's electricity supply portfolio through a mix of clean energy imports, distributed renewable generation, and utility-scale in-state projects*

## **Improve Combined Heat and Power Market**

- *Evaluate additional methods to speed the diffusion of CHP technologies into the Rhode Island marketplace*

# Thermal

- Find new opportunities to transition Rhode Island to a diversified, lower-carbon heating and cooling future:

## Institutionalize Renewable Thermal Funding

- *Create a sustained source of funding to help mature and expand the renewable thermal fuel market*

## Expand Use of Biofuels

- *Increase the biodiesel content of distillate fuel blends used by Rhode Island's thermal and transportation sectors*

## Address Natural Gas Leaks

- *Review the progress of gas infrastructure repair and replacement in Rhode Island*

# Transportation

- **Develop a Least-Cost Procurement strategy for transportation to harness demand-side resources and reduce reliance on oil by investing in alternative fuels:**

## Reduce Vehicle Miles Traveled

- *Invest in alternative modes of transportation; promote sustainable development and land use practices; and pilot programs incentivizing reduced discretionary driving*

## Reduce Vehicle Emissions

- *Continue to adopt the increasingly stringent vehicle emissions standards set by California up until 2025 and afterwards*

## Promote Alternative Fuel & Electric Vehicles

- *Mature the market for alternative fuel and electric vehicles through ongoing efforts to expand fueling infrastructure, ease upfront costs for consumers, and address other barriers to adoption*

# 2014 Annual Report

**RHODE ISLAND ENERGY EFFICIENCY  
AND RESOURCE MANAGEMENT COUNCIL**

*Annual Report to the General Assembly | Required Under RIGL 42-140.1-5; April 2013*

Visit [www.rieermc.ri.gov](http://www.rieermc.ri.gov)

- **Due to General Assembly April 15<sup>th</sup>**
- **Writing will be divided among Grid, OER & VEIC**
- **Meeting with VEIC 2/11**
  - Project roles
  - Timeline
  - Budget
  - 2013 report
- **Need subcommittee to discuss policy recommendations**

# Rhode Island Public Energy Partnership “RIPEP”

Energy Efficiency and Resource  
Management Council  
February 6, 2014



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**nationalgrid**

THE  
UNIVERSITY  
OF RHODE ISLAND  
OUTREACH CENTER



U.S. DEPARTMENT OF  
**ENERGY**

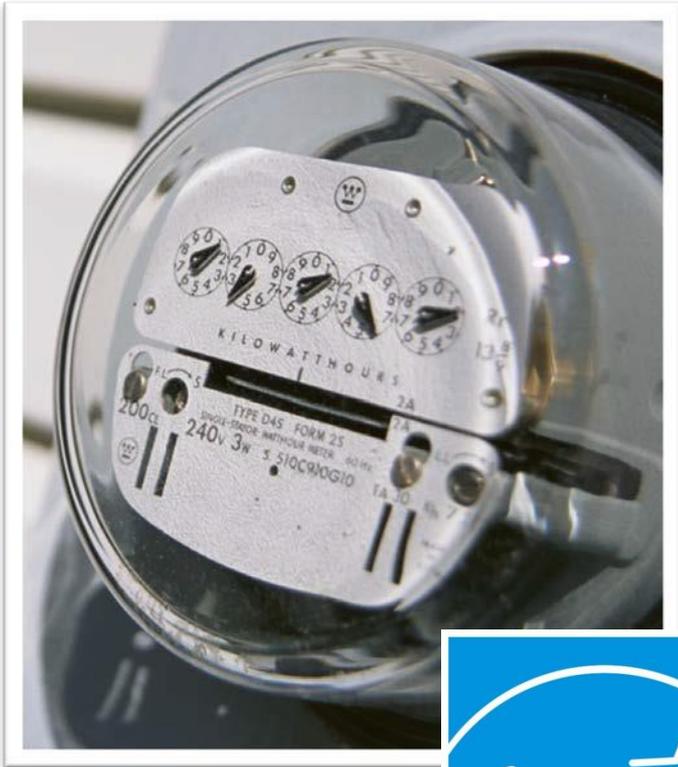
# RIPEP is...

A *collaboration* among...

- RI Office of Energy Resources
- National Grid
- URI Outreach Center
- Narragansett Bay Commission
- Energy Efficiency and Resource Management Council
- Key State and Municipal Agencies

... to achieve *deep energy savings* in  
state and municipal facilities

# Goals of RIPEP



- Create an **inventory** of energy consumption & expenditure
- Help approximately 100 public facilities achieve **20% energy savings**
- Identify and mitigate **barriers** to efficiency improvements

# Driving Energy Savings

*The process...*



# National Grid Municipal Program

nationalgrid

## Scoping Study

- No cost

## Tech Assess

- If needed
- Covered up to \$7,500
- If half of recommended measures are implemented

## Incentives

- \$0.25/kWh for lighting measures
- \$0.35/kWh for non-lighting measures
- \$2.00/therm saved

## Financing

- 70% max covered
- Remaining is customer cost
- 2-5yr 0% on-bill repayment



# Data Update



## Energy Baselines Completed

- 135 State Facilities
- 92 Municipal Facilities
- 114 Schools (~40% of schools)
- 10 Water Supply Facilities

**Baselines have been used to identify ~40 locations for scoping studies and energy efficiency retrofits**

# Current Partner Schools

## **Bristol Warren**

- Kickemuit Middle School

## **Coventry (all electric)**

- Blackrock Elementary School
- Western Coventry Elementary School
- Tiogue Elementary School

## **Cumberland**

- North Cumberland Middle School

## **East Greenwich**

- East Greenwich High School

## **Middletown**

- Forest Avenue Elementary School

## **North Providence**

- North Providence High School

## **Providence**

- Asa Messer Elementary School
- Roger Williams Middle School

## **South Kingstown (all electric)**

- Matunuck Elementary School
- West Kingston Elementary School

## **Tiverton**

- Tiverton High School
- Tiverton Middle School

## **West Warwick**

- Maisie Quinn Elementary School
- Greenbush Elementary School

# Current Partner Municipalities

## Water Supply Facilities

- Block Island Water Company
- Bristol County Water
- East Smithfield Water
- Kingston Water
- Lincoln Water
- North Kingstown Water
- Paige Associates
- Pawtucket Water
- Providence Water

## Municipal Buildings

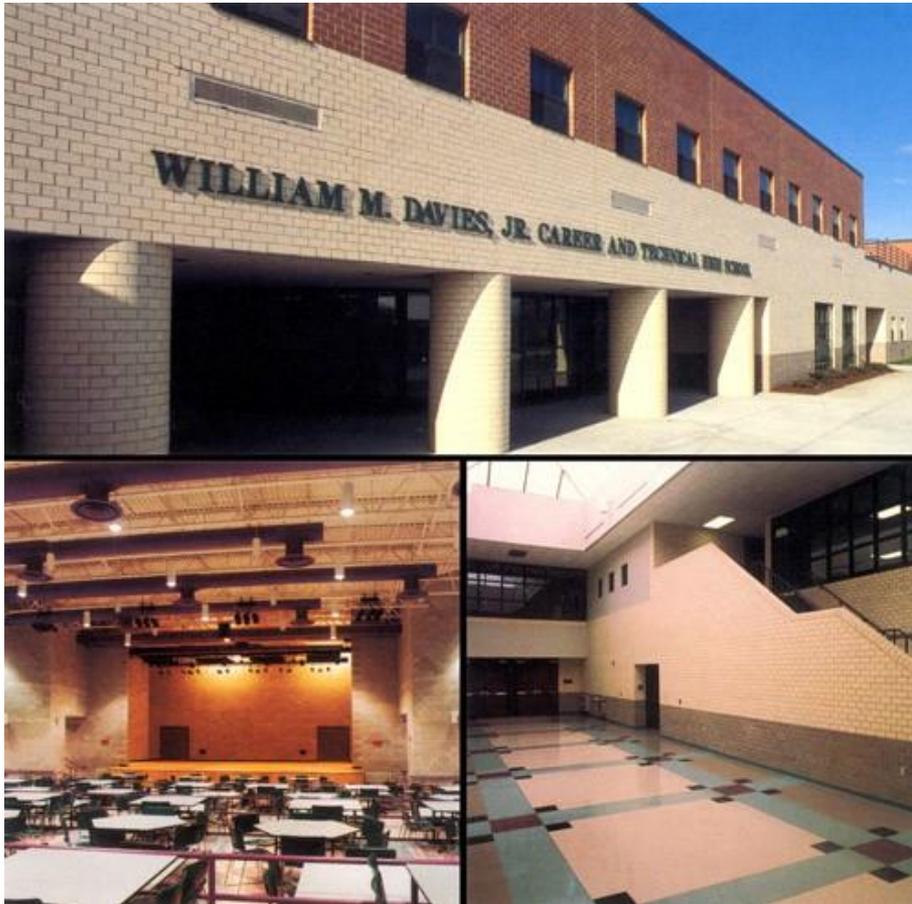
- Town of Barrington
- Town of Lincoln
- Town of Portsmouth
- City of Providence EMA
- Town of Smithfield



# Sector Working Groups

- Schools, municipal, drinking water, state
- Guide RIPEP approach and **strategies**
- Help us **connect** with these sectors
- Identify **barriers** to implementing efficiency in these sectors
- Work to develop **solutions** to identified barriers

# Davies Showcase Project



- High-efficiency lighting
- Variable speed drives on boiler pumps
- Additional control points on energy management system
- Total Project Cost: \$582,000
- Utility Incentive: \$287,000 (48%)
- Customer Cost: \$295,000
  - On-bill repayment
- Simple payback: 1.9 years
- **Estimated over 50% electric reduction**
- Out to bid for HVAC project

# Energy Savings in South Kingstown



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# Building Efficiency Retrofits

## Peace Dale Library



**70%**  
heating  
savings

Heating plant  
replacement, oil to  
gas conversion &  
indoor lighting

## Public Safety



**18%**  
electric  
savings

Interior & exterior  
lighting

## Town Hall



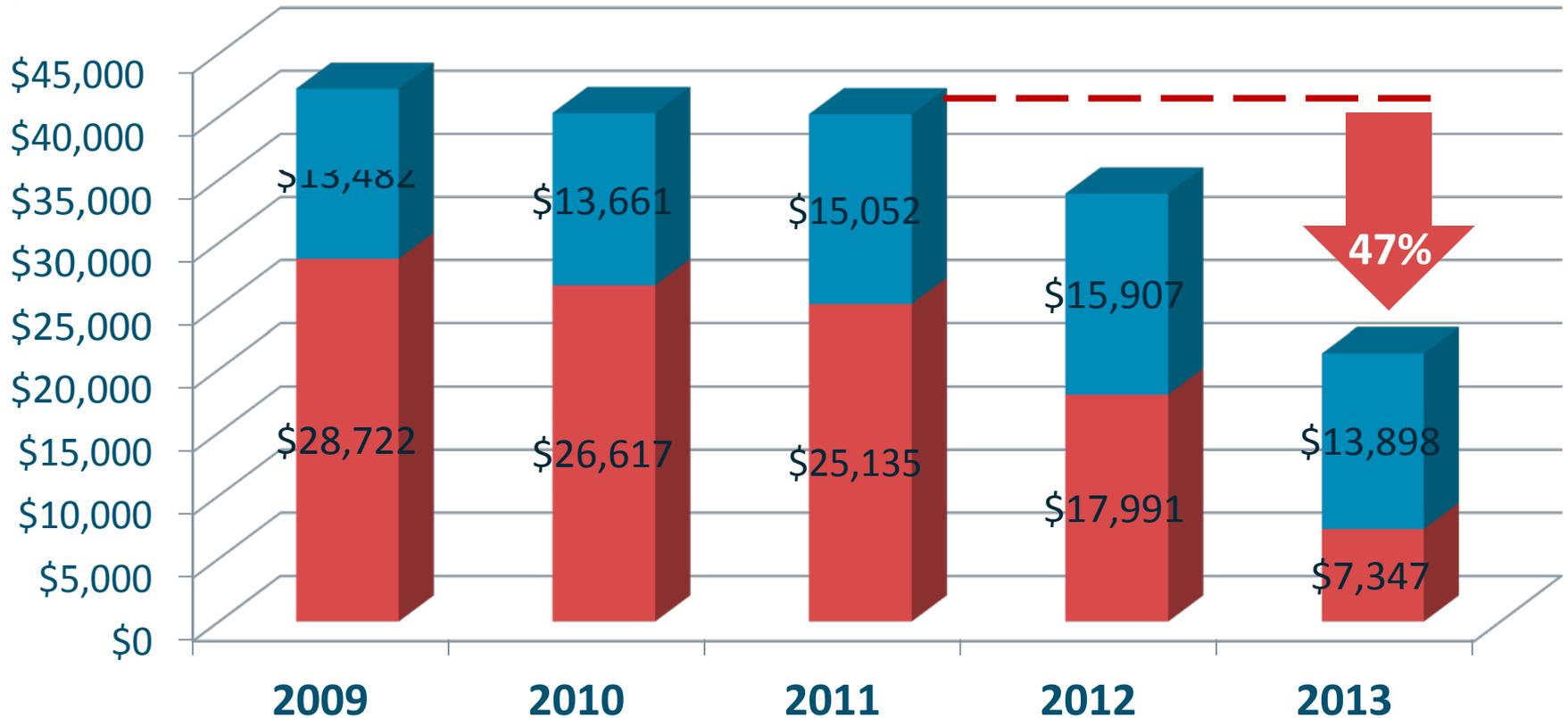
**69%**  
heating  
savings

Heating plant  
replacement and oil  
to natural gas fuel  
conversion

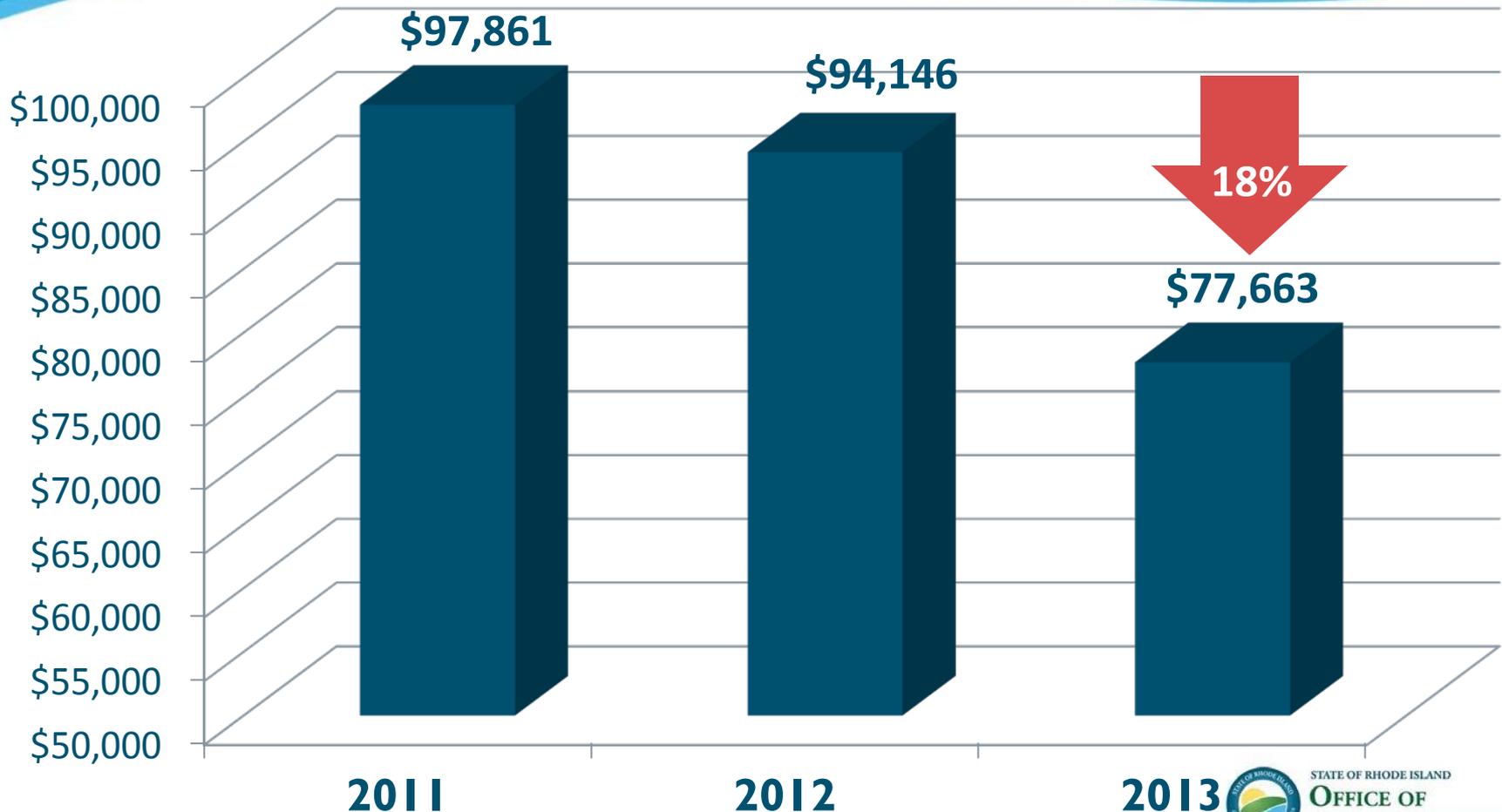


# Peace Dale Library Energy Savings

■ electricity ■ heating

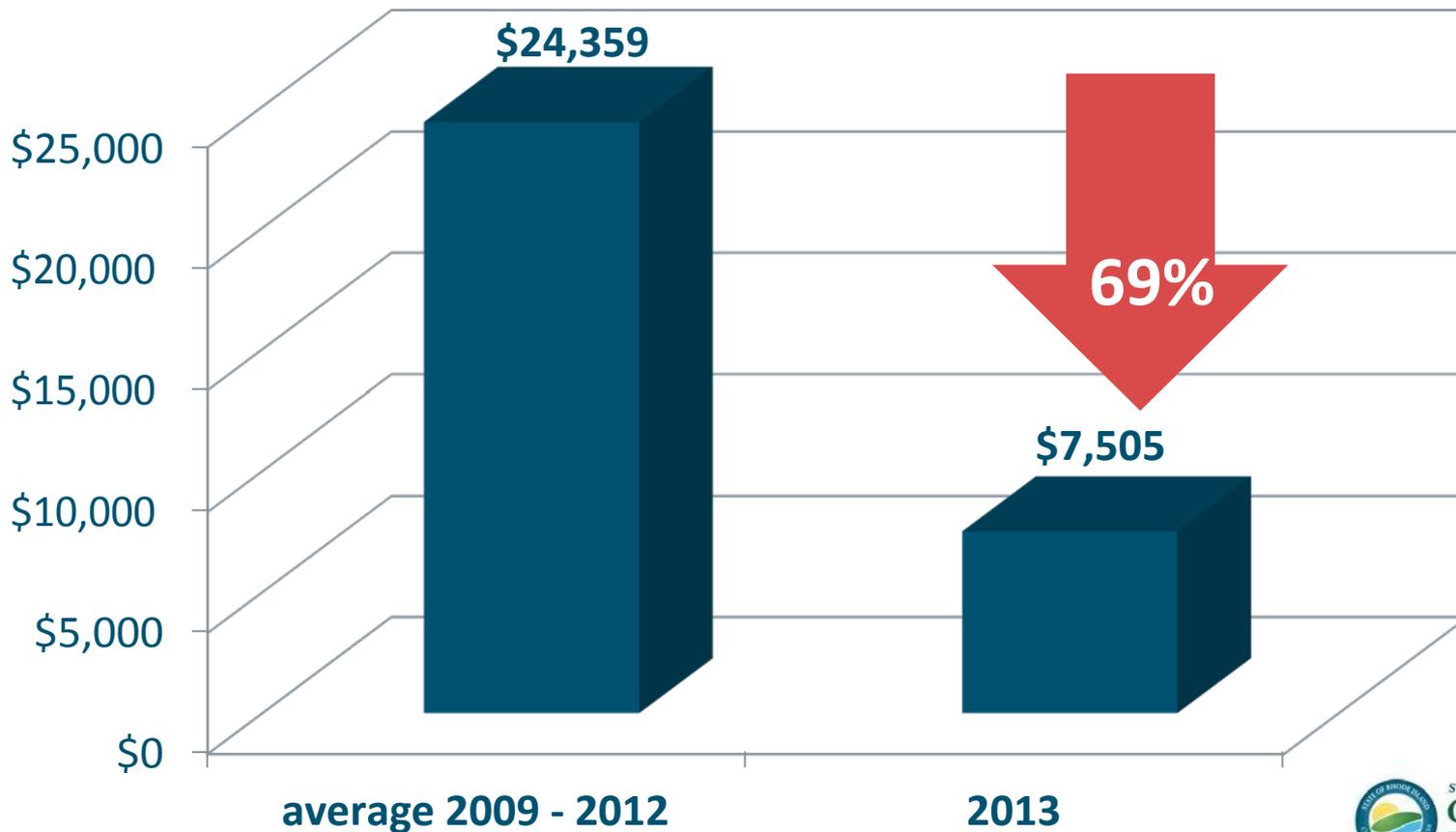


# Public Safety Complex Electricity Cost Savings



# Town Hall

## Heating Cost Savings



# RI Energy Expo

## Planning Update



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# RI Energy Expo

## RI ENERGY EXPO at the Home Show April 3-6, 2014

RI Convention Center  
Providence, RI

*Sponsored by  
The Energy Efficiency and Resource  
Management Council  
& National Grid*



ENERGY EXPO IS SPONSORED BY



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HERE WITH YOU. HERE FOR YOU.

■ - THE ENERGY EXPO

**NEW FEATURE:  
The Energy  
Expo!**

**Energy  
Seminar  
Area**

**Energy  
Vendor  
Area**

**NEW FEATURE:  
The Ultimate  
Backyard!**

**IMAGINE  
CREATE  
ENJOY**

**THE  
HOME  
SHOW**  
Rhode Island Convention Center

■ - THE ULTIMATE BACKYARD

■ - SHOW HOUSE IS BACK!  
furnished by Raymour & Flanigan  
and interior design by Karen Corinha

Show House presented by



**CRM MODULAR  
HOMES**



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# Energy Vendors

A-1 Foundation Crack Repair

AA Builderz

Ace Drilling, Inc.

Ace Wood Flooring Inc.

Aerus, LLC

Affordable Home Solutions

Alarm New England

Alliance Security

Andersen Windows Corp.

Arnold Lumber Company

Atlantic Exteriors, LLC

Avalon Building Systems

Barrett Hardwood Floors

C.W. Cummings Plumbing

Champion Window Company of Rhode Island

Continental Engineering & Service Co.

Cox Communications

CRM Modular Homes, Inc.

Demir Remodeling

Easy Living Products

Ecologic Spray Foam Insulation

Electronic Alarms

Ferendo Kitchens & Bath

Fireplace Factory Outlet

Fireplace Showcase

Fortress Concrete Structures Inc.

Garaga Garage Door/ Jayton Door Co.

GBI/Avis Modular Homes

Gil's Television & Appliances

Great Day Improvements, LLC

H.L. George Development Corp.

Habitat Post & Beam

Home Heat

Interlock Roofing

James Hardie Building Products

JKL Engineering Co., Inc.

L.F. Pease Awnings & Patio Rooms

Lighting & Design by J&K Electric Supply

Mulholland Audio/Video

National Grid

New England Homes

New England Sola Concepts, Inc.

NEWPRO Windows, Inc.

Owens Corning Basement Systems

Pella Windows & Doors

Petro Heating & Air Conditioning Co.

Pezza Garage Doors

Phantom Screens

Power Equipment Co.

Power Home Remodeling

Propane Plus Corp.

RALCO Electric, Inc.

Renewal By Andersen Windows

Rescom Exteriors, Inc.

Restivo's Heating & Air Conditioning

Rhode Island Home Improvement

Rhode Island Kitchen & Bath, Inc.

S & M Hearth Patio & Barbecue

S & W TV and Appliance

Santoro Oil

State of Rhode Island

Stephen Fitzgerald Building and Remodeling

Superior Plus Energy

Surveillance Solutions

Ultimate Home Remodeling

United Home Experts

URI-Dept of Natural Resources Science

Verizon

Viti, Inc.

Water Filter Company, Inc.

Weisman Roofing Co.

Wickford Appl/ Day & Night Plumbing Heati

Window World of RI

Wood's Heating Service, Inc.

Yankee Barn Homes

# Energy Awards Ceremony

## Invited to speak/present awards:

- Secretary Ernest Moniz, DOE
- Senator Sheldon Whitehouse
- Senator Jack Reed
- Congressman Jim Langevin
- Congressman David Cicilline
- Governor Lincoln D. Chafee

## Overview:

- 100 attendees - invitation only
- Bring together builders, architects & energy professionals
- Networking & hors d'oeuvres
- Show floor demo

# Energy Seminars

- Home Energy Assessments
- Home Energy Reports
- School Fundraisers
- Alternative Fuel Vehicles
- Renewable Energy
- Alternative Home Heating Options

**Demo house will have solar panels and EV car**



**NEW FEATURES:  
The Energy Expo  
& The Ultimate  
Backyard!**

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# Alternative Fuel Vehicle Display and Ride & Drive



# Marketing



- Bill insert coupons
- Home Energy Report email (80,000)
- Energy commercial
- Energy radio ad
- Billboards, newspaper, web, social media
- Free entry to energy seminar attendees
- Boston Red Sox World Series Trophies - April 3<sup>rd</sup> 7:30-9:00 PM
- Give-aways

# Bill Insert

## EXPERIENCE THE 2014 HOME SHOW

energy  
expo



Visit The **NEW Energy Expo**  
Money Saving Tips & Energy Saving Solutions

**\$2 OFF COUPON\***  
ADULT ADMISSION

**April 3-6, 2014**  
RI Convention Center

Sponsored by **nationalgrid**  
HERE WITH YOU. HERE FOR YOU.



activities, energy efficiency seminars,  
r's, and more!

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STATE OF RHODE ISLAND

# ENERGY EFFICIENCY & RESOURCE MANAGEMENT COUNCIL

## **Presentation to the EERMC – February 6<sup>th</sup>**

### **Policy/Planning Issues**

- 3-Year Targets and Updates to Standards for Energy Efficiency and System Reliability Procurement
- Review of Bill and Rate Impact Analysis
- Discussion on Process and Content for EERMC Annual Report



STATE OF RHODE ISLAND  
**ENERGY EFFICIENCY &  
RESOURCE MANAGEMENT COUNCIL**

# **3-Year Targets and Updates to Standards for Energy Efficiency and System Reliability Procurement**

**Presented by Abigail Anthony**





# Proposed Revisions to LCP Standards

- Updates to communicate maturity of LCP (removal of aggressive ramp up language)
- Updates to anticipate potential future directions
- Updates for consistency with recent legislative changes
- Specific mention of demand reduction
- Specific requirement to include bill impacts in EE plan (not specifying model)
- Clarification of components of cost effectiveness (GHG for gas, non-energy impacts, treatment of pilots and OER/EERMC costs)
- Potential consideration of change in schedule
- Potential consideration of looking at performance over three years



# Findings and Implications of the Rate and Bill Impact Analysis

**Presented by:**



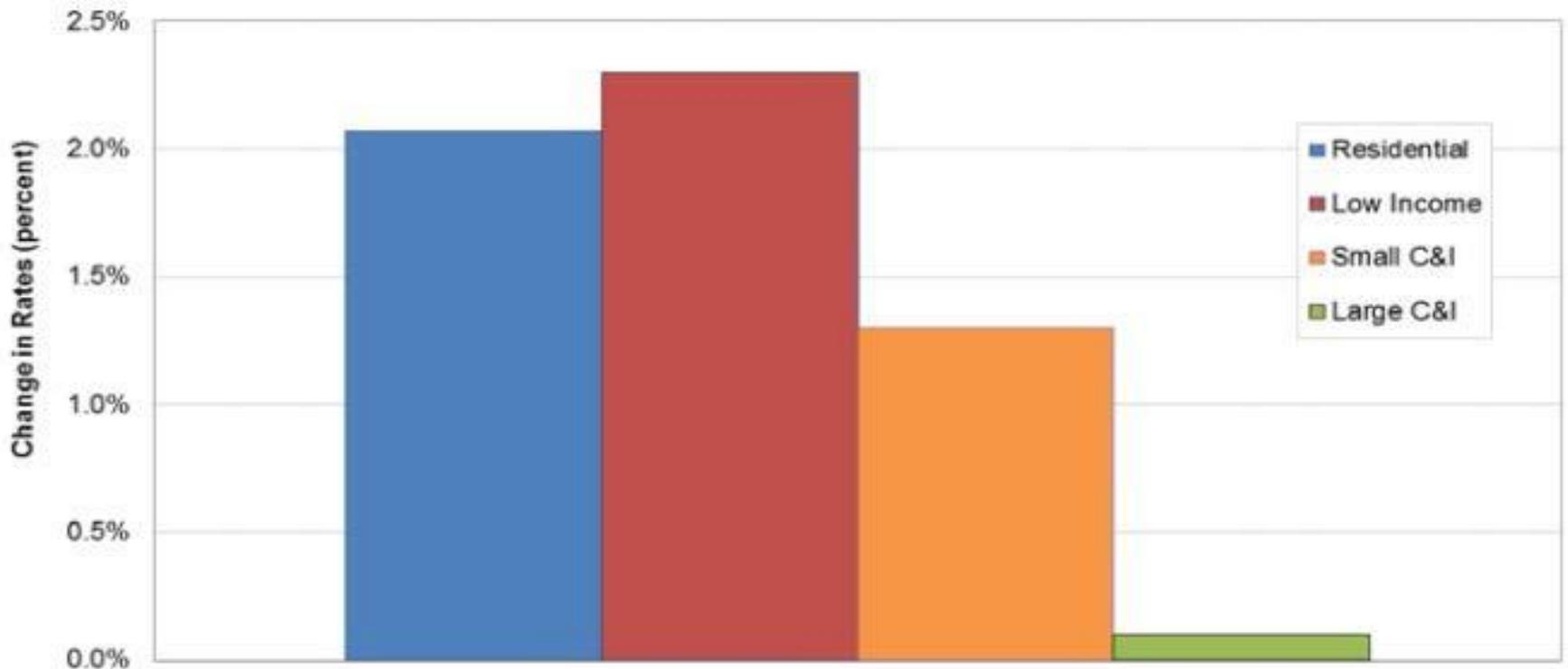
EERMIC CONSULTANT TEAM



# Overview of Findings

**Rates** go up, but **bills** go down

Rate impacts appear high in the near term, but are lower over the long term



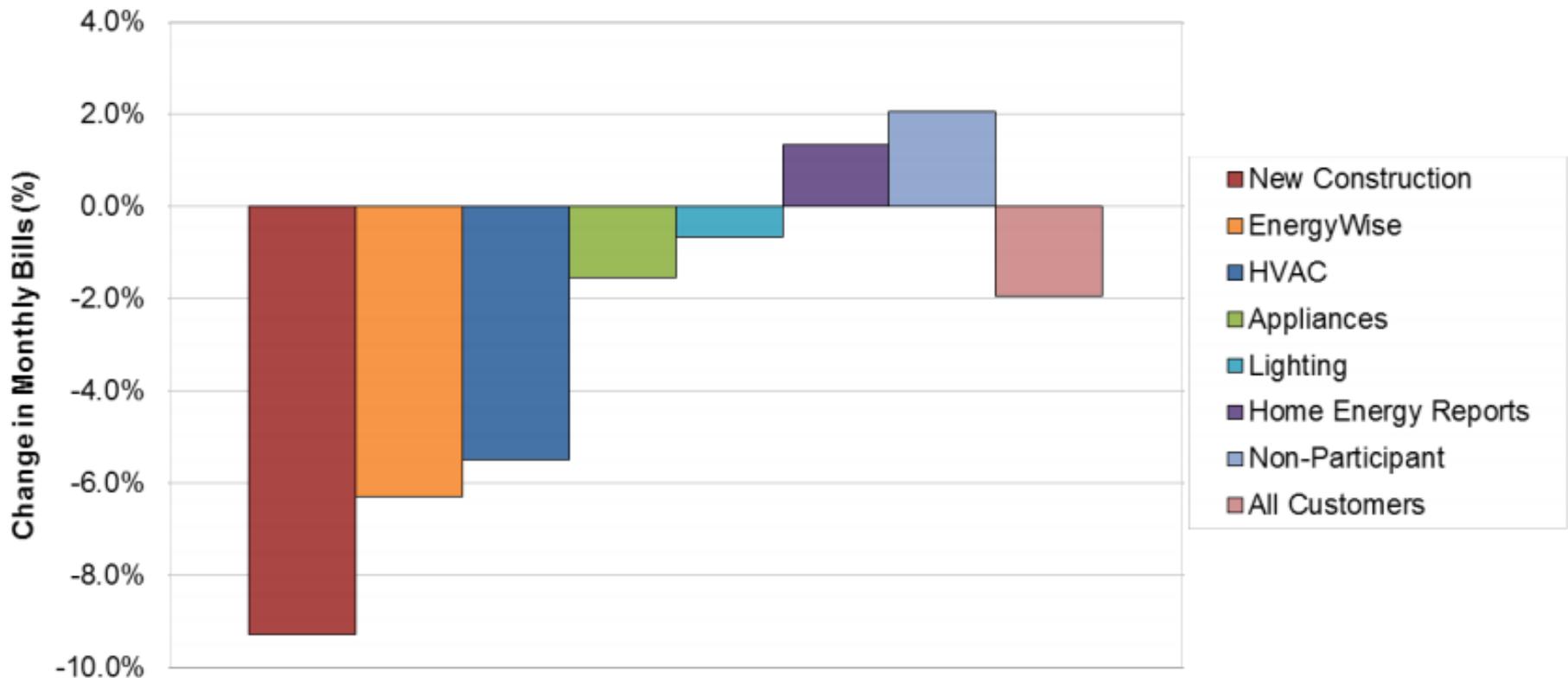


# Overview of Findings

**Participants** see varying levels of bill savings depending on program

**Non-participants** see bill increases equivalent to rate increases.

**Ratepayers on average** see bill reductions





# Study Recommendations

Consider rate and bill impacts when developing program and portfolio plans

- Also consider developing a parallel analysis for gas

National Grid should collect and report better participation data

- Understand cross program participation
- Understand what portion of total customers have participated
- Understand the geographic distribution of participants
- Develop new participation metrics and report regularly



# Implications for the EERMC

Rate impacts were a major point of tension in the 3 year target negotiations

- How will this analysis factor into the PUC tech session?

Rate impacts are mitigated by reducing non-participants

- Should the state's programs emphasize broader participation?
- If so, to what degree? How would it be tracked?
- Minimizing non-participants is potentially costly – how do we value this relative to the state's Least Cost Procurement mandate?

The current analysis only covers Electric programs

- Do we need a similar analysis for Gas?



STATE OF RHODE ISLAND  
**ENERGY EFFICIENCY &  
RESOURCE MANAGEMENT COUNCIL**

# Process and Content for EERMC Annual Report

**Presented by:**



STATE OF RHODE ISLAND  
**OFFICE OF  
ENERGY RESOURCES**



**EERMC CONSULTANT TEAM**





STATE OF RHODE ISLAND

ENERGY EFFICIENCY &  
RESOURCE MANAGEMENT COUNCIL

## Production & Content

Consultant Team will coordinate design and production of Report

Points of Contact need to be established at:

- EERMC
- National Grid
- OER

General Content:

- Letter and Council background
- 2012 results, achievements, program summaries
- “Energy Efficiency in RI” – initiatives and reports
- Policy Recommendations



STATE OF RHODE ISLAND

**ENERGY EFFICIENCY &  
RESOURCE MANAGEMENT COUNCIL**

# Annual Report -- Policy Issues

.



# Proposed Revisions to LCP Standards

- Updates to communicate maturity of LCP (removal of aggressive ramp up language)
- Updates to anticipate potential future directions
- Updates for consistency with recent legislative changes
- Specific mention of demand reduction
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- Clarification of components of cost effectiveness (GHG for gas, non-energy impacts, treatment of pilots and OER/EERMC costs)
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- Potential consideration of looking at performance over three years

# Rhode Island Energy Efficiency

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Fourth Quarter 2013 | National Grid

February 6th, 2014

## Overview

National has Grid maintained the momentum it built throughout the 2013 program year and has met its portfolio goal while exceeding several program goals.

Each year, during the fourth quarter, the Company prepares and files its next year's efficiency plan, so the strategy efforts of the last few months have been focused on both meeting the needs of 2013 while laying a groundwork for continued performance in 2014. Training, tracking and communication improvements in Income Eligible Services and a focus on removing pre-weatherization barriers in EnergyWise, for example, represent the Company's simultaneous execution and preparation efforts.

The engagement of the community has remained a priority as the town of Smithfield earned the title of Energy Champion after 5% of its residents signed up for the RI Energy Challenge. Continued investments in workshops on Codes enforcement and trainings at vocational schools demonstrate the Company's commitment to encouraging a transformation in the energy community.

In its 2013 State Energy Efficiency Scorecard, the American Council for an Energy-Efficient Economy (ACEEE) ranked Rhode Island as the sixth most energy efficient State, an improvement from a seventh place ranking in 2012. The Scorecard evaluates various aspects of State's energy usage, from distributed generation to transportation, but National Grid's energy efficiency programs made a significant contribution to the State's overall ranking, ranking second in the country. The success of the program in 2013 and the coincident investments in preparing for 2014 suggest continued performance that could push Rhode Island higher on the list of the most efficient States.

## 2013 Program & Initiative Updates

### Residential New Construction

- The program ended 2013 strong, having served nearly 500 new single family homes and multifamily units, 35% of which were renovations or rehabilitations.
- To prevent lost opportunities, participants can now receive rebates for high efficiency HVAC equipment
- Trainings for RI technical and vocational schools have continued, demonstrating the Company's commitment to educating the next industry workforce.

### Income Eligible

- Community Action Programs (CAPs) are becoming more familiar with the common software for tracking funds and projects, leading to improved communication amongst all program partners.
  - Agencies can now be notified when payments are pending and what amount is anticipated.
- The company is maintaining its focus on training, technical assistance, and incorporating feedback to assure quality service.

### EnergyWise

- A wi-fi thermostat initiative began, with 50 Nest thermostats installed.
- Nearly 700 hundred weatherization jobs were completed in Q4 alone.
  - Increased focus on behalf of lead vendor to address pre-weatherization barriers.
- Lead vendor partnered with Income Eligible Services vendor to weatherize a three-family home that had both market rate and income-eligible units.
- The two new Independent Insulation Contractors (IICs), Affordable Building and Weatherization and Next Step Living, were fully integrated into the program and began performing installations.

### EnergyWise and Income Eligible Multifamily

- The Company has hired a program manager who will solely be focused on the Multifamily.
- In October, the State and other stakeholders met to discuss benchmarking buildings.
- National Grid signed on with the American Council for an Energy-Efficient Economy to conduct a technical assistance study that will benefit future planning.

### ENERGYSTAR® Lighting and Appliances

- DealsinRI promotion of LED bulbs ran in October. Leading to over 700 purchases, it was of the top five Deals in 2013.

- National Grid partnered with the Gloria Gemma Breast Cancer Resource Foundation in October by offering CFL bulbs with pink bases. The Company made a donation to the foundation for every bulb purchased.
- Information on refrigerator recycling was included in the quarterly newsletter to retailers in order to increase their knowledge of our programs.

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

- The program easily exceeded its goal without budgetary constraints.
  - Heat pump water heaters and ductless mini split heat pumps helped drive the performance

### **Home Energy Reports**

- The thermostat and rewards pilot continues to show promising results that will carry over into 2014.
- The vast majority of report recipients, 84%, are happy with the program
- Nearly half, 48%, of recipients are saving the reports for reference.

### **Community Initiative**

- The Rhode Island Energy Challenge finished strong as North Smithfield signed up 5% of its residents, making it the RI Energy Champion.
- The Challenge is actively seeking more municipalities, businesses, and non-profits for 2014.
  - Several businesses have already signed up, including Arpin Van lines and Cardi's furniture.

### **System Reliability – Little Compton and Tiverton**

- The SRP pilot continued to increase participation in its offerings of AC rebates, wi-fi thermostats, and Smart Plugs.
- The marketing campaign ended in November.

### **Commercial & Industrial Customer Experience**

- The Company is continuing to focus on modifying the Technical Assessment (TA) review process to expedite applications for customers. Some of the tasks include: a reduction in TA study cycle times, increased TA resources (like increasing the pool of TA vendors), and in increase transparency of custom projects.

### **Codes Initiative**

- The Initiative continues to build momentum heading into 2014, as over 10 trainings have been delivered for both residential and commercial energy code stakeholders.
- Four on-site visits have been completed and the Company and vendor are continuously learning better ways to help deliver increased energy code compliance throughout the State.
- The Initiative has a full slate of activities ready to implement in 2014.

**Large Commercial New Construction**

- The success of the Upstream Lighting initiative helped the New Construction exceed its 2013 goal. The Company has been working towards updating the requirements of the 2014 New Construction program to reflect the new baselines.
- On October 1st 2013, the State of Rhode Island adopted the residential and commercial IECC 2012 energy codes.

**Large Commercial Retrofit**

- The Company has signed a memorandum of understanding with Lifespan Hospital Group as part of the Strategic Energy Management Partnership (SEMP) initiative.
  - An engineering analysis of potential energy savings for SEMP partner Roger Williams University was conducted.
- The Sales and Strategy groups have continued to work with the Office of Energy Resources' Rhode Island Public Energy Partnership to increase the participation of municipal customers.

**Small Business Direct Install**

- On the electric side, the program has exceeded its goal.

**Evaluation**

- The scope of work and budget for an evaluation of the 2012 Upstream Lighting initiative has been finalized with DNV GL. The recruitment of sites and metering will begin in January.
- A scope of work is being developed for a pre-rinse spray valve evaluation that will employ a novel post-pre metering method.

**Upcoming Events**

- On February 19<sup>th</sup>, 2014, from 7-8pm, at the Warwick Public Library, National Grid will co-sponsor a presentation entitled "Energy-Saving Tips: Simple Ways for Better Living".
- On March 8<sup>th</sup>, 2014, National Grid will sponsor an Energy Education School at URI Outreach Center to discuss home energy efficiency and transportation efficiency and to provide tours of LEED certified buildings.
- From April 3<sup>rd</sup> to April 6<sup>th</sup>, 2014, National Grid will co-sponsor the Rhode Island Builders Association Home Show and Rhode Island Energy Expo.

NATIONAL GRID ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND  
**Table 1. Summary of 2013 Target and Preliminary 4rd Quarter Results**

ELECTRIC PROGRAMS Sector and Program	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	Target	Year To Date	Pct Achieved	Pct Projected	Approved Target	Year To Date	Pct Achieved	Budget	Year To Date	Pct Achieved	Lifetime savings, MWh	\$/kWh
<b>Commercial and Industrial</b>												
Large Commercial New Construction	29,302	37,347	127.5%		1,260	4,257	337.9%	\$9,394.8	\$8,964.5	95.4%	412,679	\$ 0.022
Large Commercial Retrofit	47,600	42,199	88.7%		982	397	40.4%	\$11,785.6	\$12,994.3	110.3%	520,424	\$ 0.025
Small Business Direct Install	20,192	21,358	105.8%		1,667	1,316	78.9%	\$11,585.7	\$12,941.1	111.7%	253,657	\$ 0.051
Community Based Initiatives - C&I								\$148.0	\$45.8	30.9%		
Commercial Pilots								\$319.2	\$170.5	53.4%		
Comprehensive Marketing - C&I								\$555.1	\$526.0	94.8%		
Finance Costs								\$1,080.0	\$5,300.0	490.7%		
<b>SUBTOTAL</b>	<b>97,093</b>	<b>100,905</b>	<b>103.9%</b>	<b>100.0%</b>	<b>3,910</b>	<b>5,970</b>	<b>152.7%</b>	<b>\$34,868.6</b>	<b>\$40,942.2</b>	<b>117.4%</b>	<b>1,186,760</b>	<b>\$0.034</b>
<b>Income Eligible Residential</b>												
Single Family - Income Eligible Services	4,131	3,644	88.2%		2,501	2,089	83.5%	\$6,242.5	\$5,053.8	81.0%	41,739	\$0.121
Income Eligible Multifamily	2,057	2,570	125.0%		3,100	4,479	144.5%	\$1,675.4	\$1,701.3	101.5%	10,894	\$0.156
<b>SUBTOTAL</b>	<b>6,188</b>	<b>6,215</b>	<b>100.4%</b>	<b>90.0%</b>	<b>5,601</b>	<b>6,568</b>	<b>117.3%</b>	<b>\$ 7,917.92</b>	<b>\$ 6,755.12</b>	<b>85.3%</b>	<b>52,633</b>	<b>\$0.128</b>
<b>Non-Income Eligible Residential</b>												
Residential New Construction	883	735	83.3%		734	521	71.0%	\$1,869.4	\$1,303.5	69.7%	10,385	\$ 0.126
ENERGY STAR® HVAC	513	1,664	324.1%		2,090	2,892	138.4%	\$1,303.7	\$1,834.6	140.7%	20,716	\$ 0.089
EnergyWise	7,059	15,189	215.2%		7,800	3,835	49.2%	\$6,750.9	\$7,966.9	118.0%	64,773	\$ 0.123
EnergyWise Multifamily	2,129	1,733	81.4%		3,700	3,408	92.1%	\$1,405.7	\$1,680.0	119.5%	16,333	\$ 0.103
ENERGY STAR® Lighting	24,757	28,376	114.6%		181,560	206,828	113.9%	\$4,234.6	\$4,779.7	112.9%	228,208	\$ 0.021
ENERGY STAR® Appliances	4,872	5,090	104.5%		24,450	29,735	121.6%	\$2,439.6	\$1,975.9	81.0%	38,373	\$ 0.051
Home Energy Reports	15,325	10,002	65.3%		246,500	207,015	84.0%	\$1,419.8	\$1,383.5	97.4%	5,649	\$ 0.245
Energy Efficiency Educational Programs								\$55.3	\$45.2	81.7%		
Residential Products Pilot								\$590.3	\$367.8	62.3%		
Community Based Initiatives - Residential								\$498.6	\$414.7	83.2%		
Comprehensive Marketing - Residential								\$1,590.4	\$1,485.2	93.4%		
<b>SUBTOTAL</b>	<b>55,538</b>	<b>62,789</b>	<b>113.1%</b>	<b>102.0%</b>	<b>466,834</b>	<b>454,234</b>	<b>97%</b>	<b>\$22,158.2</b>	<b>\$23,237.0</b>	<b>104.9%</b>	<b>384,437</b>	<b>\$0.060</b>
<b>Regulatory</b>												
EERMC								\$816.7	\$536.5	65.7%		
OER								\$544.4	\$539.2	99.0%		
<b>SUBTOTAL</b>								<b>\$1,361.1</b>	<b>\$1,075.8</b>	<b>79.0%</b>		
<b>TOTAL</b>	<b>154,688</b>	<b>166,264</b>	<b>107.5%</b>	<b>100.0%</b>	<b>473,844</b>	<b>464,683</b>	<b>98.1%</b>	<b>\$ 66,305.8</b>	<b>\$ 72,010.1</b>	<b>108.6%</b>	<b>1,582,091</b>	<b>\$0.046</b>
<b>System Reliability Procurement</b>					185	178	96.2%	\$ 343.5	\$255.3	74.3%		
<b>GAS PROGRAMS</b>												
<b>Sector and Program</b>	(1)	(2)	(3)	(4)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Approved Target	Year To Date	Pct Achieved	Pct Projected	Approved Target	Year To Date	Pct Achieved	Approved Budget	Year To Date	Pct Achieved	Lifetime savings, MMBtu	\$/Lifetime MMBtu
<b>Commercial and Industrial</b>												
Large Commercial New Construction	35,967	30,563	85.0%		170	154	90.8%	\$2,140.8	\$1,875.5	87.6%	553,194	\$3.390
Large Commercial Retrofit	123,451	128,002	103.7%		235	469	199.9%	\$3,092.6	\$2,914.7	94.2%	794,885	\$3.667
Small Business Direct Install	6,583	3,425	52.0%		209	112	53.6%	\$152.5	\$113.9	74.7%	28,682	\$3.970
Commercial & Industrial Multifamily	4,800	5,785	120.5%		600	1,066	177.7%	\$420.3	\$424.2	100.9%	109,674	\$0.000
Commercial & Industrial Pilots								\$295.2	\$125.5	42.5%		
Comprehensive Marketing - C&I								\$165.2	\$158.6	96.0%		
Finance Costs								\$300.0	\$0.0	0.0%		
<b>SUBTOTAL</b>	<b>170,802</b>	<b>167,774</b>	<b>98.2%</b>	<b>100.0%</b>	<b>1,213</b>	<b>1,801</b>	<b>148.5%</b>	<b>\$6,566.4</b>	<b>\$5,612.3</b>	<b>85.5%</b>	<b>1,486,435</b>	<b>\$3.776</b>
<b>Income Eligible Residential</b>												
Single Family - Income Eligible Services	6,250	5,743	91.9%		400	427	106.8%	\$2,413.7	\$1,883.0	78.0%	114,868	\$16.393
Income Eligible Multifamily	16,562	18,477	111.6%		2,200	2,773	126.0%	\$1,626.0	\$1,646.6	101.3%	332,585	\$4.951
<b>SUBTOTAL</b>	<b>22,812</b>	<b>24,220</b>	<b>106.2%</b>	<b>96.0%</b>	<b>2,600</b>	<b>3,200</b>	<b>123.1%</b>	<b>\$ 4,039.7</b>	<b>\$ 3,529.68</b>	<b>87.4%</b>	<b>447,453</b>	<b>\$7.888</b>
<b>Non-Income Eligible Residential</b>												
EnergyWise	30,333	55,251	182.2%		2,000	2,223	111.2%	\$3,502.9	\$4,532.1	129.4%	1,105,024	\$4.101
Energy Star® HVAC	19,544	41,638	213.0%		1,578	4,130	261.8%	\$2,334.6	\$2,740.4	117.4%	775,898	\$3.532
EnergyWise Multifamily	5,605	8,879	158.4%		700	984	140.6%	\$458.0	\$580.3	126.7%	150,939	\$3.845
Home Energy Reports	35,781	13,661	38.2%		136,475	122,334	89.6%	\$298.1	\$312.4	104.8%	3,617	\$86.375
Residential New Construction	2,900	2,182	75.3%		584	556	95.2%	\$343.1	\$312.6	91.1%	54,550	\$5.731
Residential Products Pilot								\$166.5	\$10.5	6.3%		
Comprehensive Marketing - Residential								\$174.6	\$180.2	103.2%		
Community Based Initiatives - Residential								\$60.0	\$59.6	99.3%		
<b>SUBTOTAL</b>	<b>94,161</b>	<b>121,611</b>	<b>129.2%</b>	<b>113.0%</b>	<b>141,337</b>	<b>130,227</b>	<b>92.1%</b>	<b>\$7,337.8</b>	<b>\$8,728.2</b>	<b>118.9%</b>	<b>2,090,028</b>	<b>\$4.176</b>
<b>Regulatory</b>												
EERMC								\$225.6	\$161.2	71.4%		
OER								\$150.4	\$147.7	98.2%		
<b>SUBTOTAL</b>								<b>\$ 376.0</b>	<b>\$ 308.82</b>	<b>82.1%</b>		
<b>TOTAL</b>	<b>287,775</b>	<b>313,605</b>	<b>109.0%</b>	<b>104.0%</b>	<b>145,150</b>	<b>135,228</b>	<b>93.2%</b>	<b>\$ 18,319.9</b>	<b>\$ 18,179.0</b>	<b>99.2%</b>	<b>4,023,916</b>	<b>\$4.518</b>

NOTES  
(1)(4) Targets from Docket 4366 - Attachment 5, Table E-6 (electric) and Attachment 6, Table G-6 (gas).  
(3) Pct Achieved is Column (2)/ Column (1).  
(7) Pct Achieved is Column (6)/ Column (5).  
(8) Approved Implementation Expenses from Docket 4366, Attachment 5 Table E-3 (electric) and Attachment 6 Table G-3 (gas)  
(9) Year To Date Implementation Expenses are net of evaluation expenses  
(10) Pct Achieved is Column (9)/ Column (8).  
(12) \$/lifetime kWh = Column (9)/Column (11); \$/lifetime therm = Column (9)\*1000/Column (11)\*10  
System Reliability Procurement targets from Docket 4367, not included in Implementation Expenses Total  
System Reliability Procurement targets and actuals do not reflect statewide EE amounts leveraged



STATE OF RHODE ISLAND

# ENERGY EFFICIENCY & RESOURCE MANAGEMENT COUNCIL

## Status Report on Single-family Income Eligible Services in Rhode Island

Presented by:

Nick Corsetti; Angela Li – National Grid

Sean Bleything; Mike Guerard – EERMC Consultant Team

February 6, 2014



[nationalgrid](http://nationalgrid.com)

- **IES:** Income Eligible Services
  - Program name (formerly low-income)
  - Presentation just focusing on the 1 – 4 unit service
- **CAPs:** Community Action Programs.
  - Seven in RI broken out geographically
- **DHS:** Department of Human Services
  - Core staff was at OER before move in January, 2013
  - Administers Fed funds, and coordinates w/ rate-payer funds
- **LIHEAP / HHS:** Low Income Home Energy Assistance Program / Health & Human Services
- **DOE WAP:** Dept. of Energy Weatherization Assistance Program

- New model in place with CLEAResult as the industry partner
- Main roles include:
  - Strong relationship with DHS and leveraged funds
  - Management of the CAPs
  - Coordination of regular meetings
  - With DHS, develop technical committees, manuals, and protocols
  - Provide consistent messaging and direction to the CAPs – confidence in program consistency

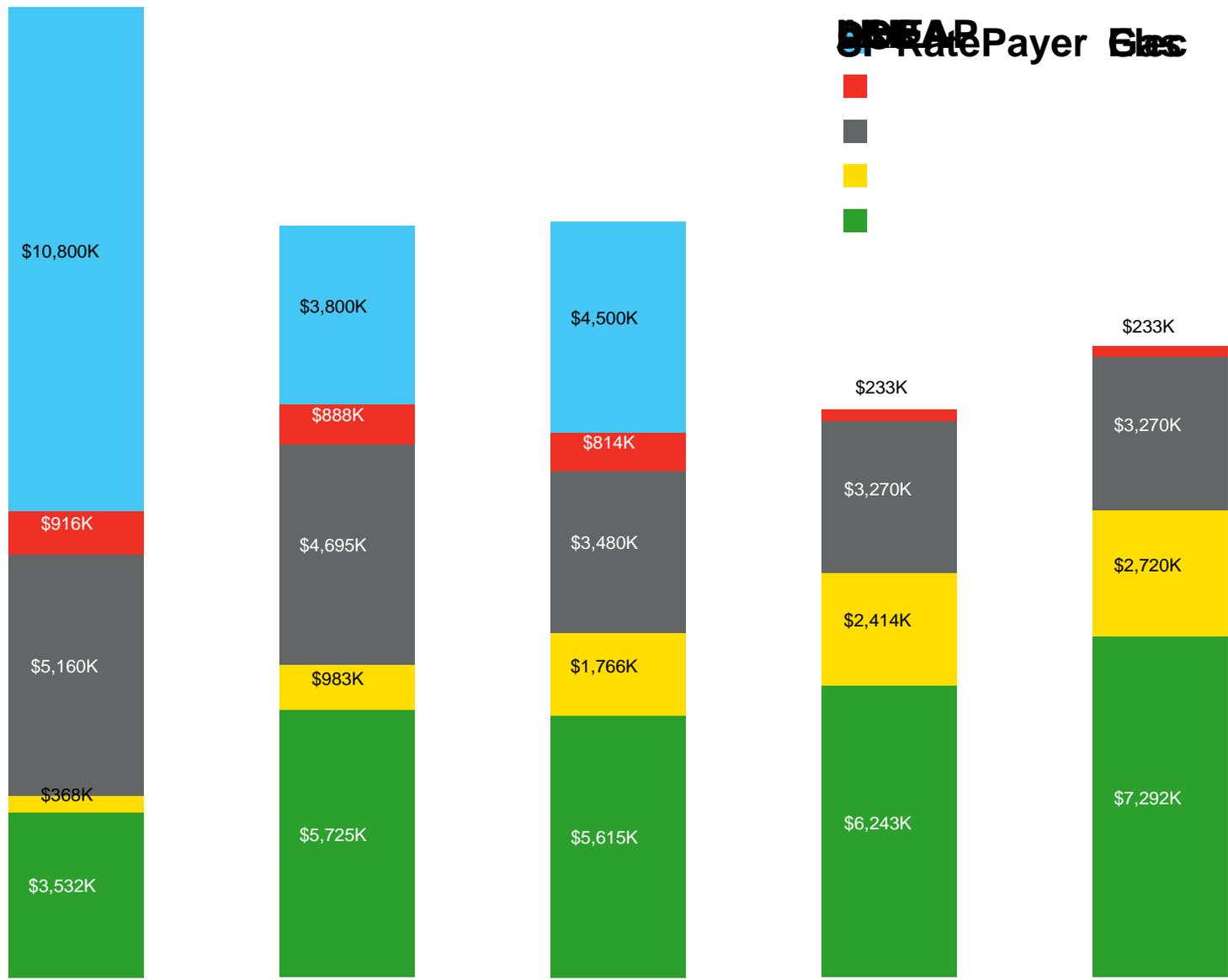
- A successful and steady program model
  - Experience and expertise of DHS critical to success
- Regular and accurate CAP invoice submission
- Six statewide training sessions
- ASHRAE 62.2 Working Group – standardization of ventilation measures
  - Ensure understanding and correct implementation

- Multiple in-person visits to CAP agencies (learn and improve)
- All 2014 IES subcontractor agreements submitted
- Prioritized QA/QC – dedicated full-time staff
- Process for better allocation of program resources
- New program model already drawing strong customer appreciation and praise (see letters in handout)

- **DOE WAP Funds**
  - Used for Whole House Weatherization
  - Funding “stands alone” for approximately 50 units/year
- **LIHEAP (aka HHS Funds)**
  - Leveraged with Rate Payer funds for whole house weatherization and health and safety measure
  - Up to 15% state allocation can be used for weatherization activities
- **Rate Payer Funds**
  - Electric and Gas
  - Used for TRM approved measures



# Total Weatherization Funding by Source



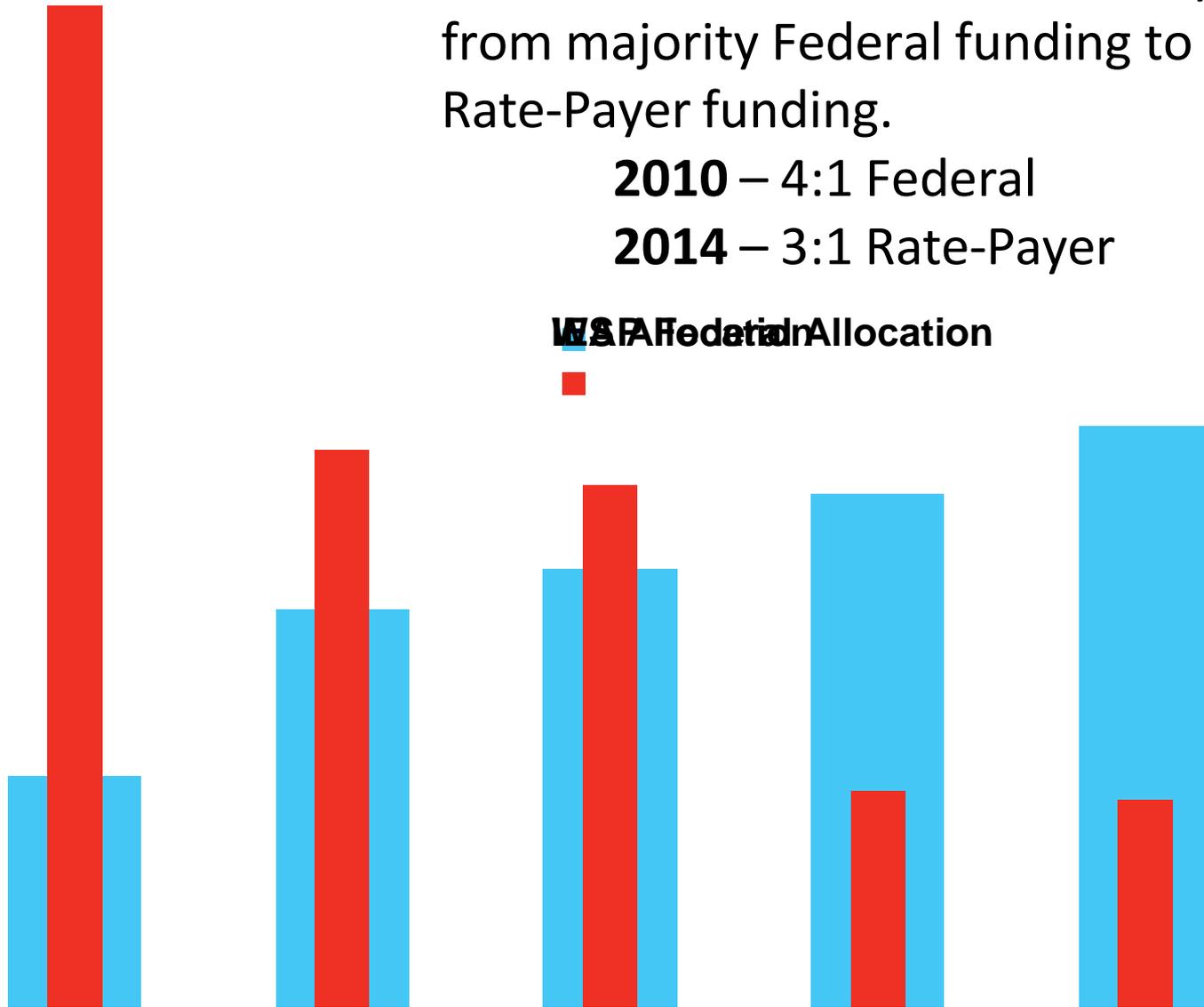
# Rate Payer vs. WAP Funding

Trend has shifted over the last 5 years from majority Federal funding to majority Rate-Payer funding.

**2010** – 4:1 Federal

**2014** – 3:1 Rate-Payer

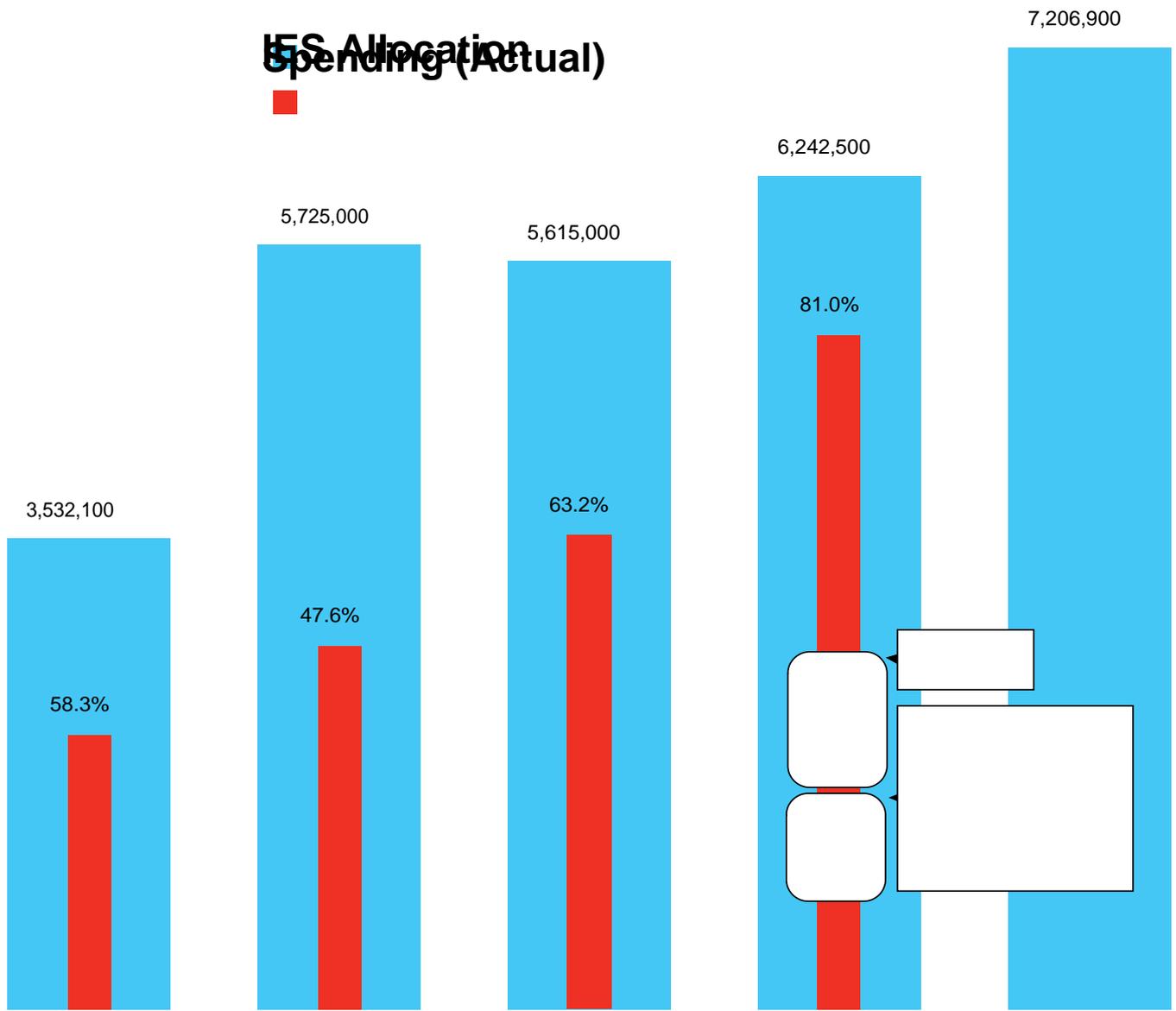
**WAP Federal Allocation**





# Expenses Budget vs. Actual - Electric

\$0.000



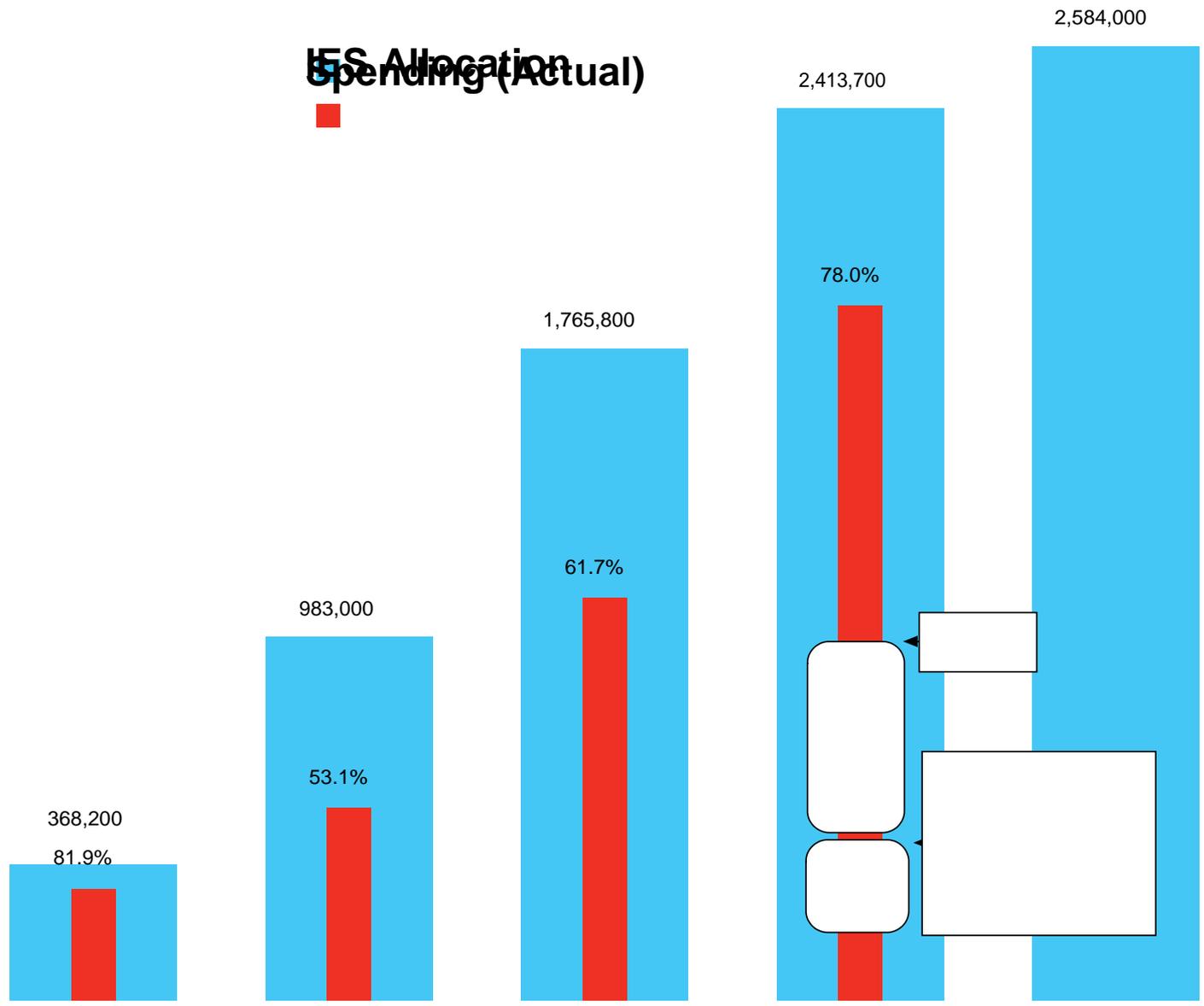
**ES Allocation**  
**Spending (Actual)**



Callout box containing two empty rounded rectangular shapes and a larger empty rectangular shape, likely for notes or data labels.



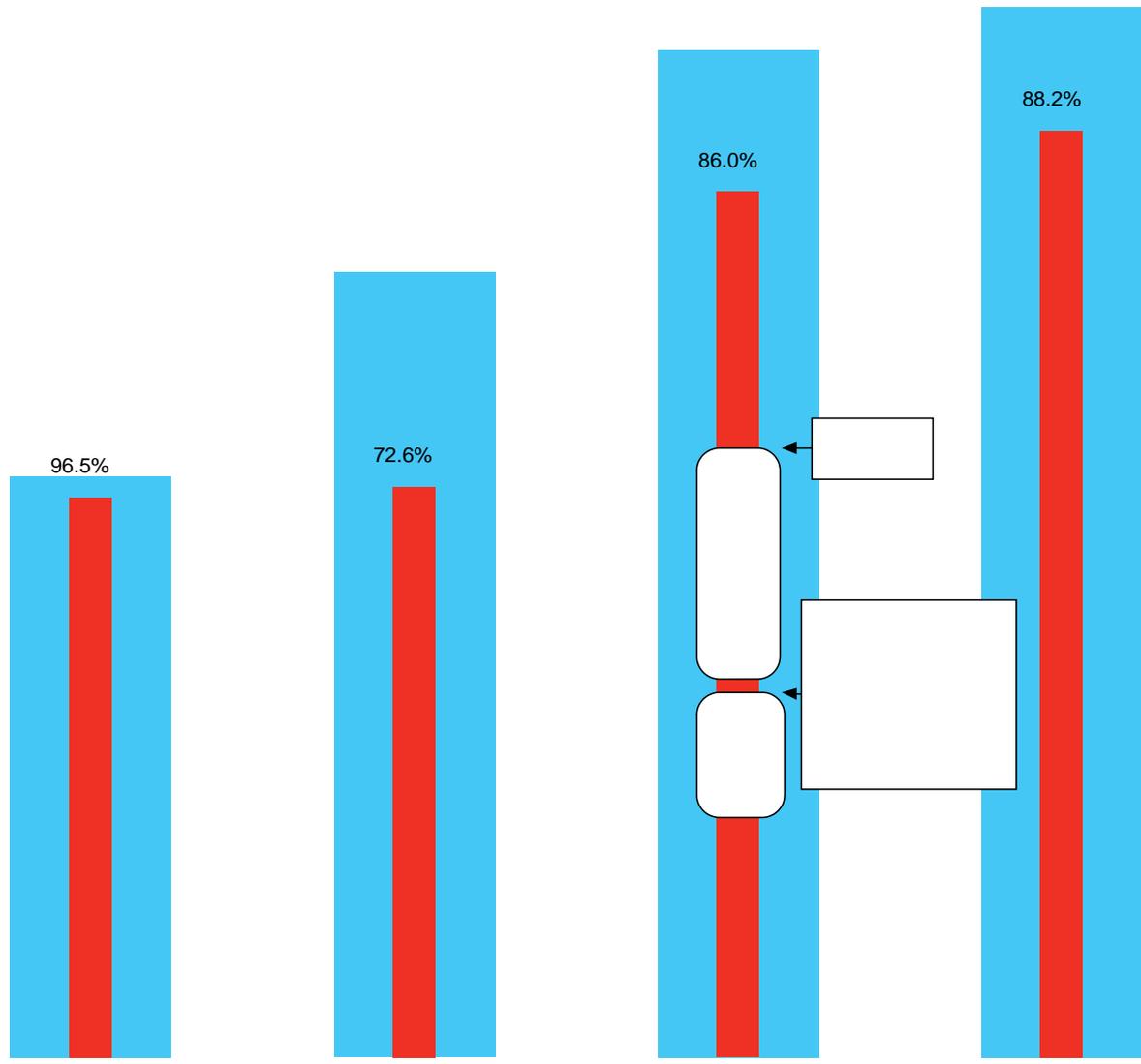
# Expenses Budget vs. Actual - Gas





# Gross Savings – Electric

Annual MWh Savings (Target)

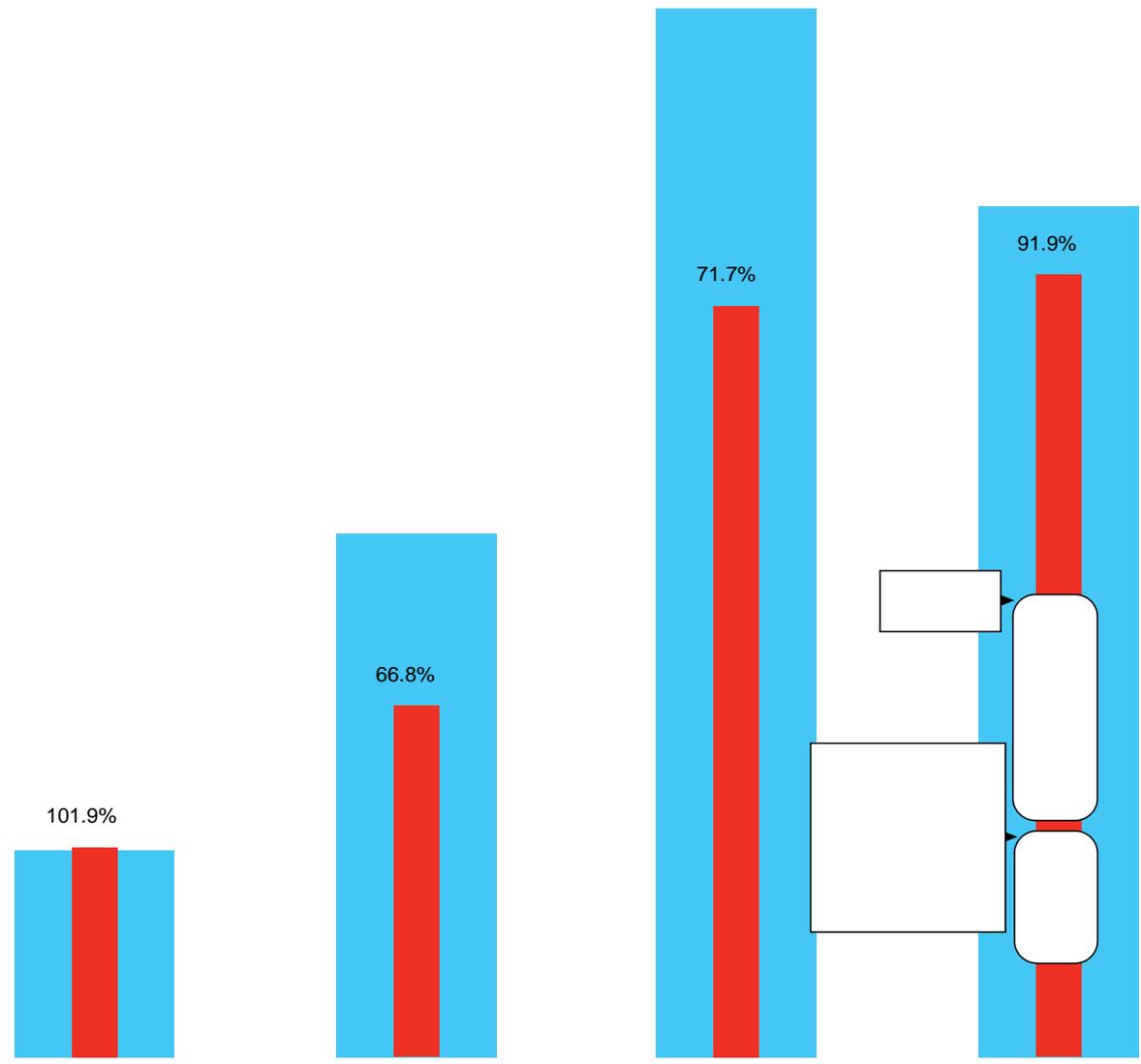




# Gross Savings - Gas

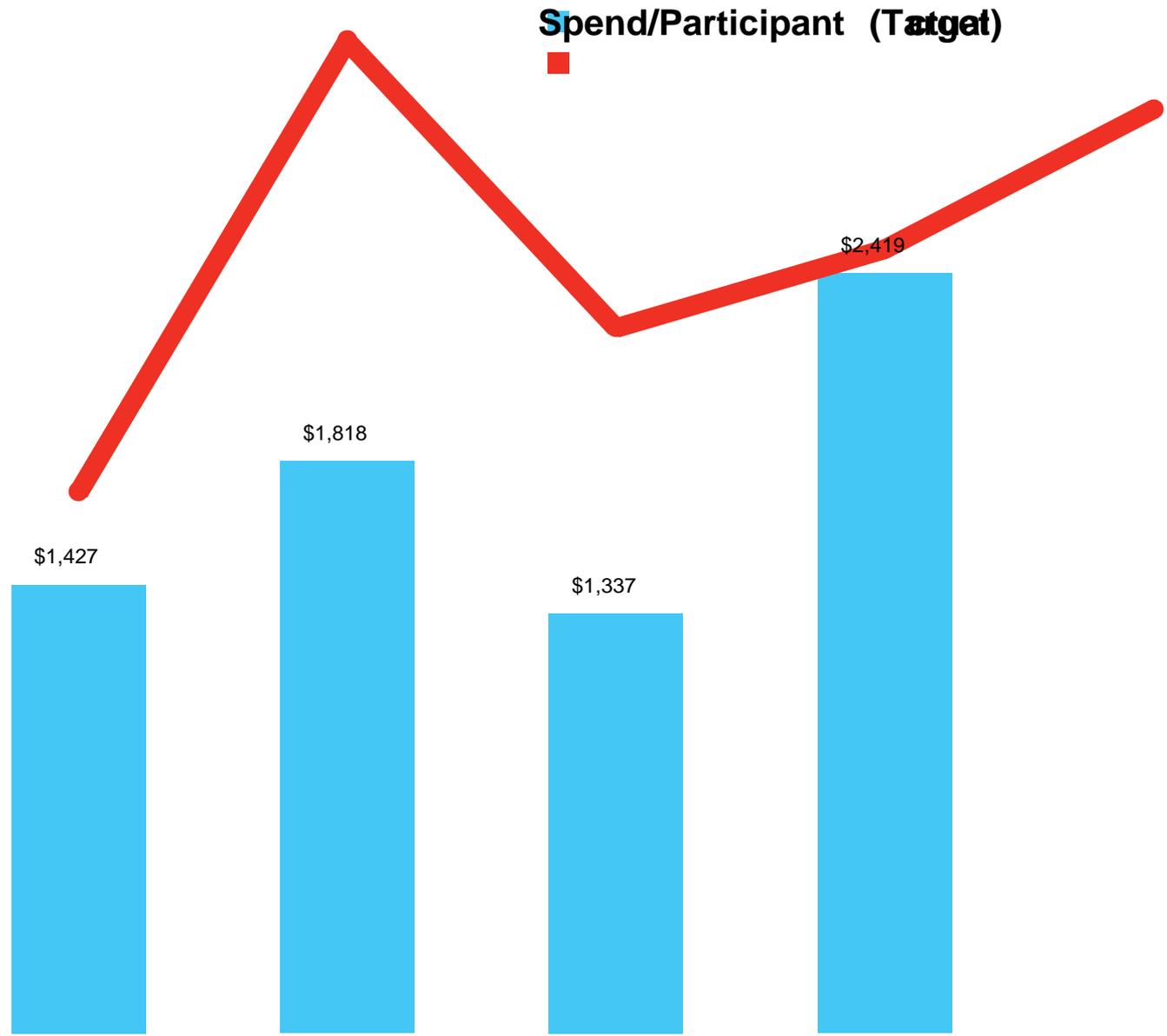
## Annual MMBtu Savings (Target)

0% Result



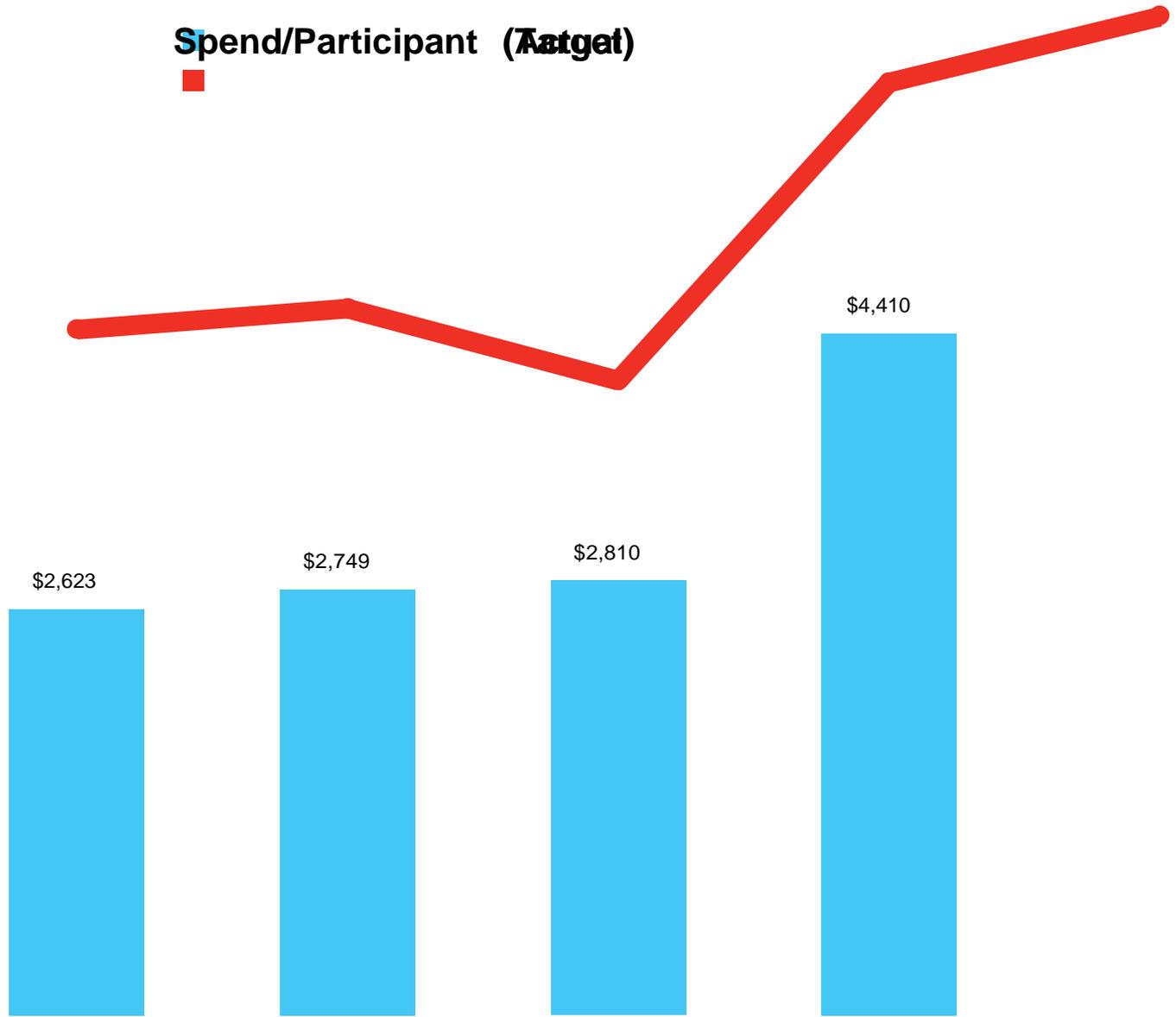


# Avg. Spending per Participant – Electric





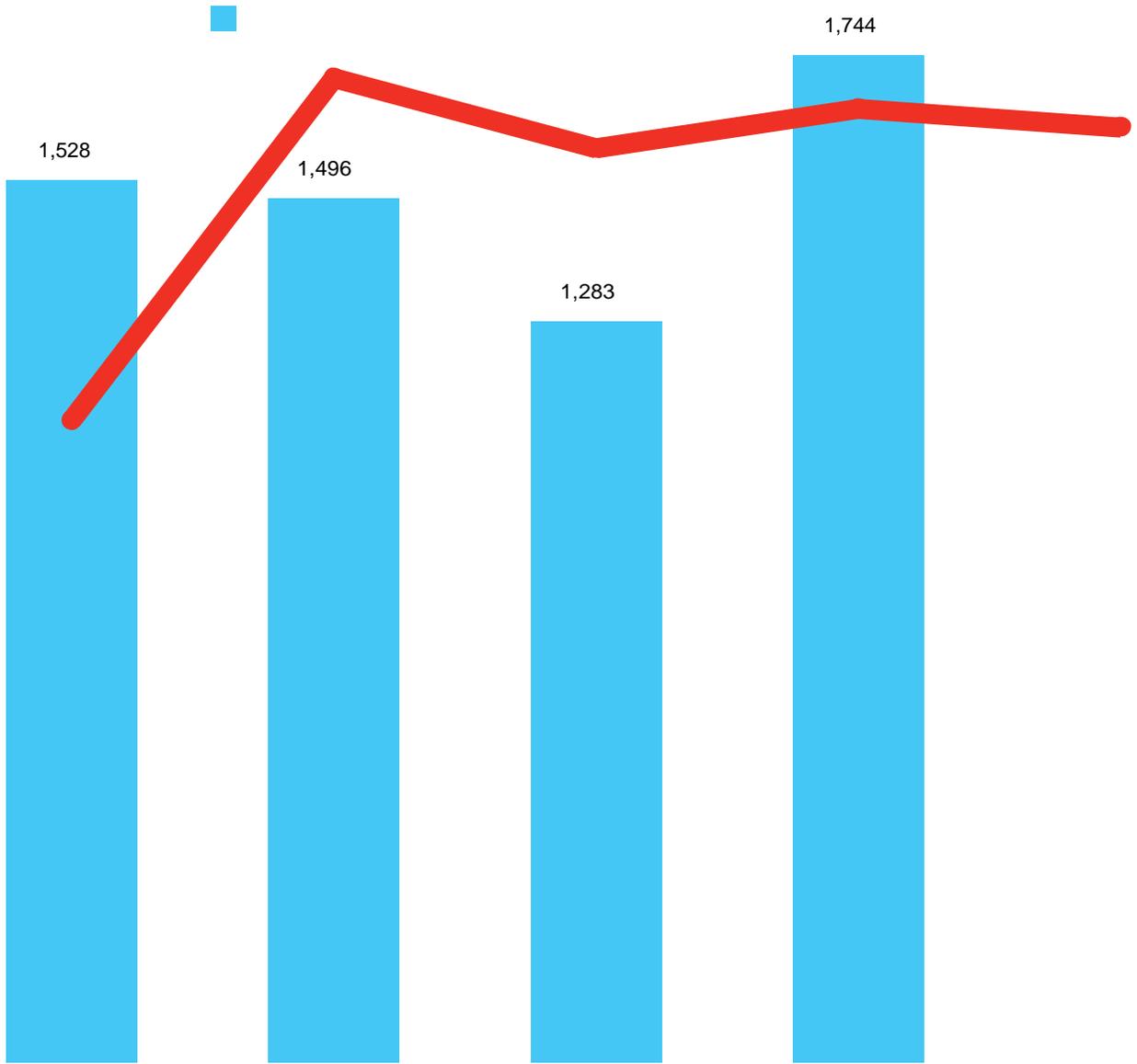
# Avg. Spending per Participant – Gas





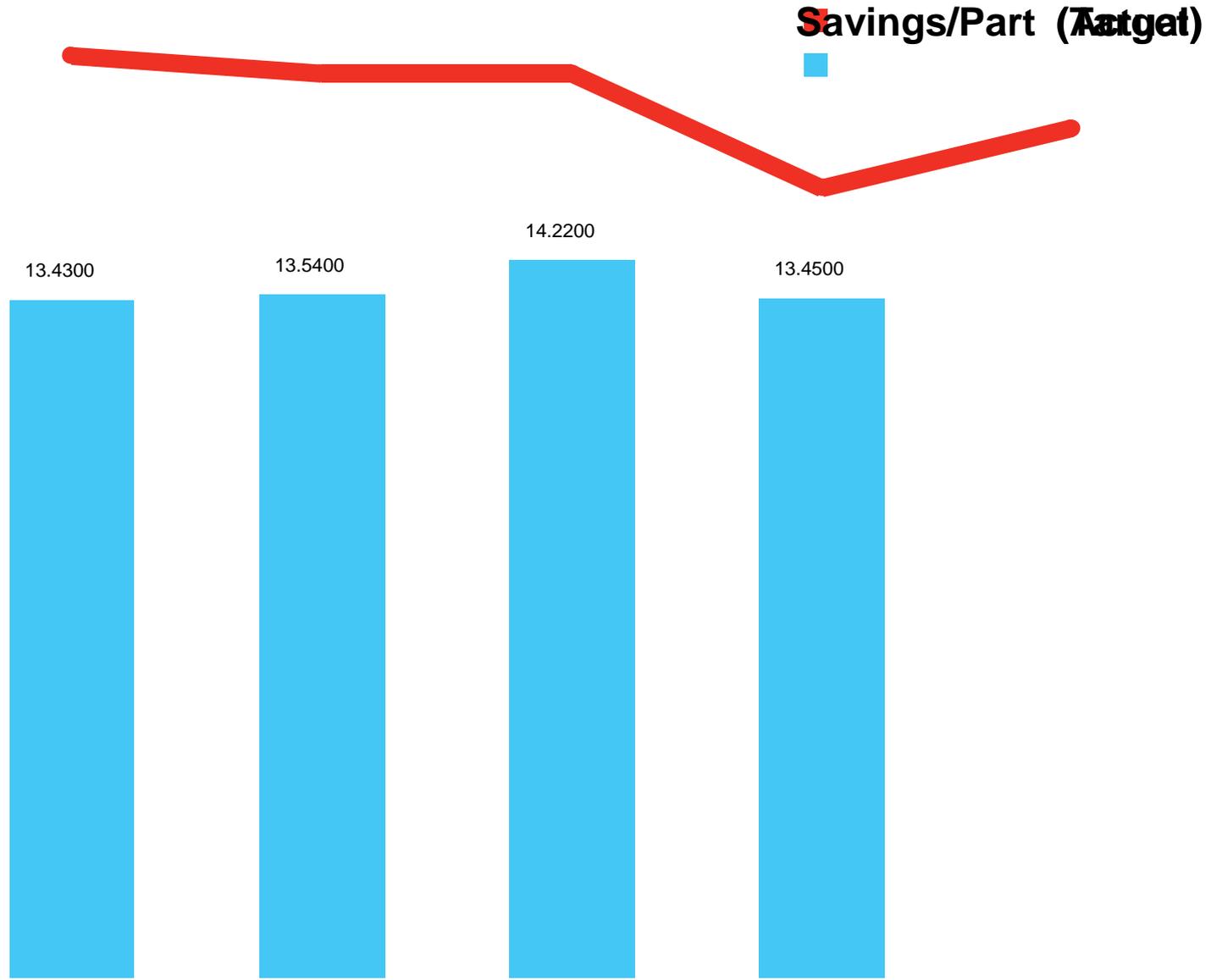
# Depth of Savings - Electric

Savings/Part (Target)





# Depth of Savings - Gas



- Proper and efficient allocation of program resources
- Instill program goals and values
  - More homes and more savings!
- Build staff knowledge and certifications (BPI)
- Develop statewide “best practices” program write-up
- Build on strong relationship with DHS (Hancock software)
- Explore equity issues in the sector to better serve all income eligible customers

## Additional strategies for success

- Income eligible customers served in multiple ways
  - New construction – 90% of RNC participants in 2013 were IE
  - Multifamily IES is strong – exceeded goal in 2013
  - Eligible for other rate-payer services (e.g. lighting, products)
- Mechanisms to help meet goals – redirect CAPs to high-demand areas
- Better targeting of customers based on propensity for savings
- Focus on comprehensive service
- Always finding way to serve customer – working to always say yes!



## Conclusion

- 129,000 LIHEAP eligible households... almost 30% of RI
- Recently, due to a range of unique challenges, targets have not been hit to provide full services, and the resulting bill savings
- While nothing can be done to reverse those numbers, they serve as a key motivator to collectively assure improvement going forward
- Starting in the last quarter of 2013, significant progress was achieved
- These results should continue in 2014, resulting in all key targets being hit
  - Relevant and timely data should be collected and shared to assure progress
  - Mechanisms must be in place to make immediate adjustments
- Key to success will be a shared commitment and effort to:  
**Make sure things are on track, and run at the right pace throughout the year to achieve targets**