



RHODE ISLAND
3 YEAR ENERGY EFFICIENCY PLAN
2018 - 2020



Policies and goals guiding the 3 year plan

Under the [Resilient Rhode Island Act](#), the State set forth the goal to reduce greenhouse gas (GHG) emissions to 80% below 1990 levels by 2050

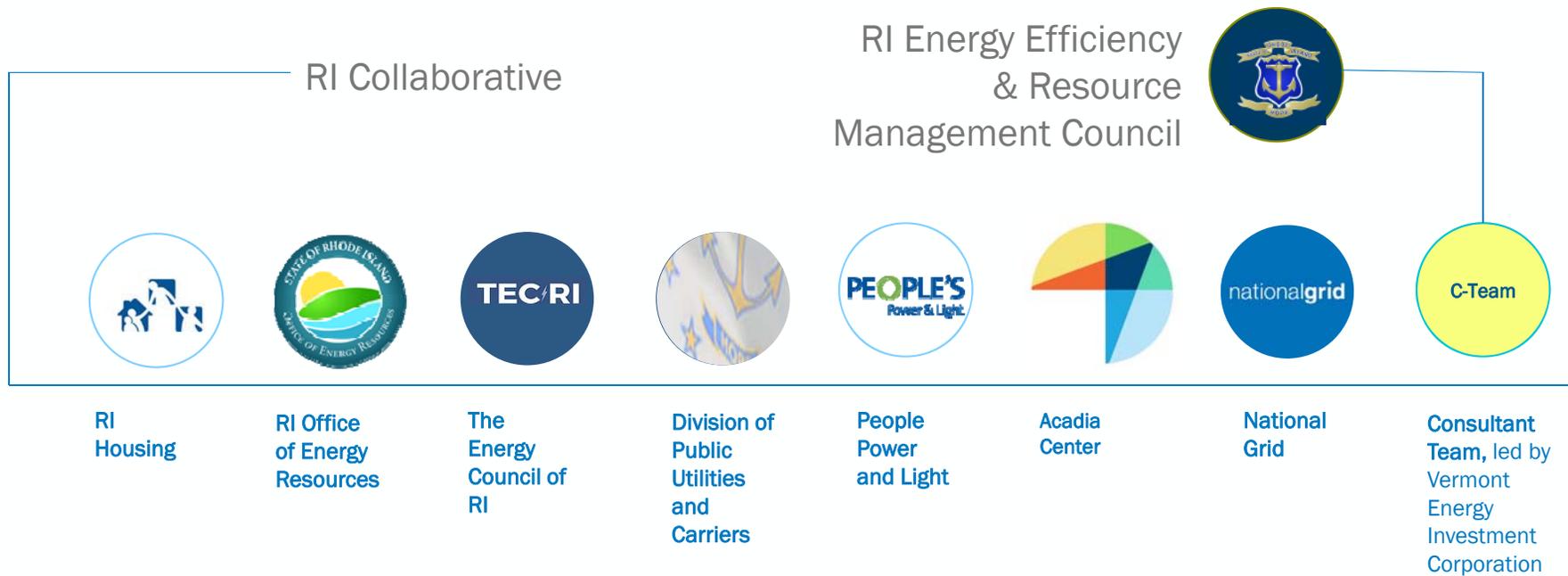
The [Rhode Island Greenhouse Gas Emissions Reduction Plan](#) (GHG Plan) identifies energy efficiency as an important component to achieving the Resilient Rhode Island Act GHG targets.

[Rhode Island Test](#) provides a value framework to deliver savings. The Test includes the value of GHG reductions.

Reduce GHG emissions by 80%
by 2050



The Stakeholders



The Purpose

3 Year Energy Efficiency Plan 2018 - 2020

The Purpose : Establish overarching strategies for the next three years to achieve least cost procurement and deliver energy savings targets. Three year plans are high level and this one is ambitious.

The Plan illustrates how we plan to achieve annual and lifetime energy savings, create economic and environmental benefits for all customers, create and maintain jobs and reach all customers..



3 Year Energy Efficiency Plan

2018-2020

THEMES



LEAST COST



CUSTOMERS



ENVIRONMENT



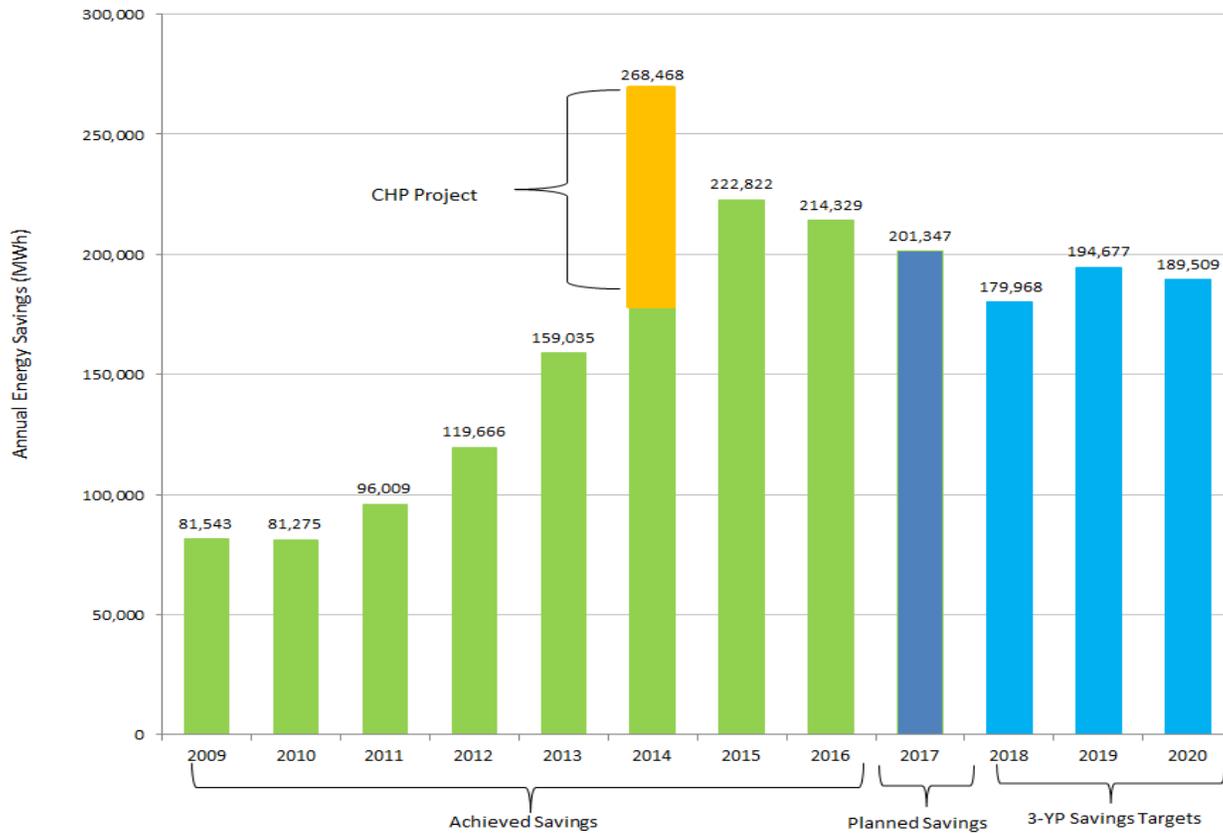
FUTURE

The 3 Year Energy Efficiency Plan 2018 - 2020

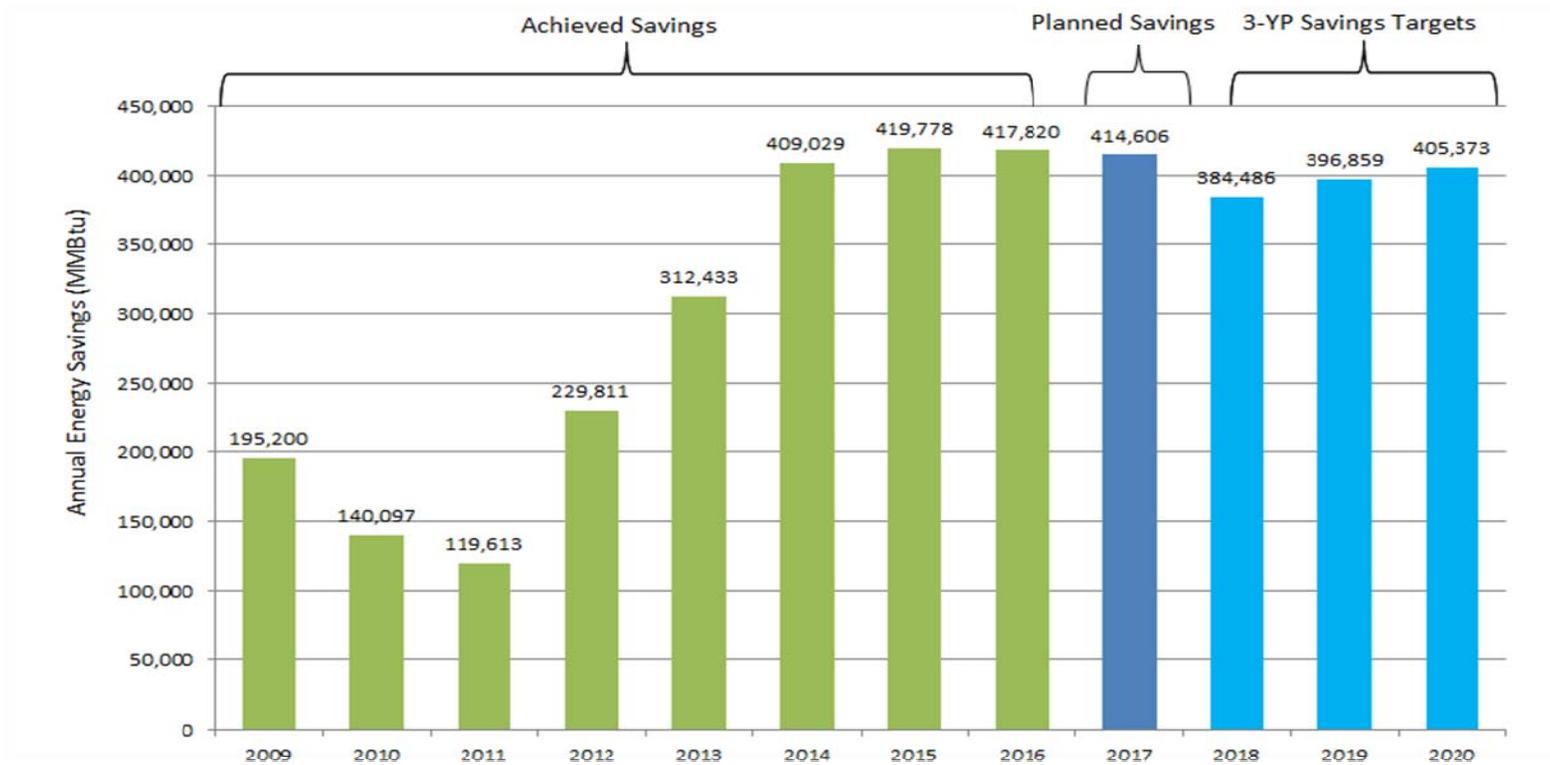
Builds on success of existing customer services and offerings
and

PREPARES FOR THE FUTURE

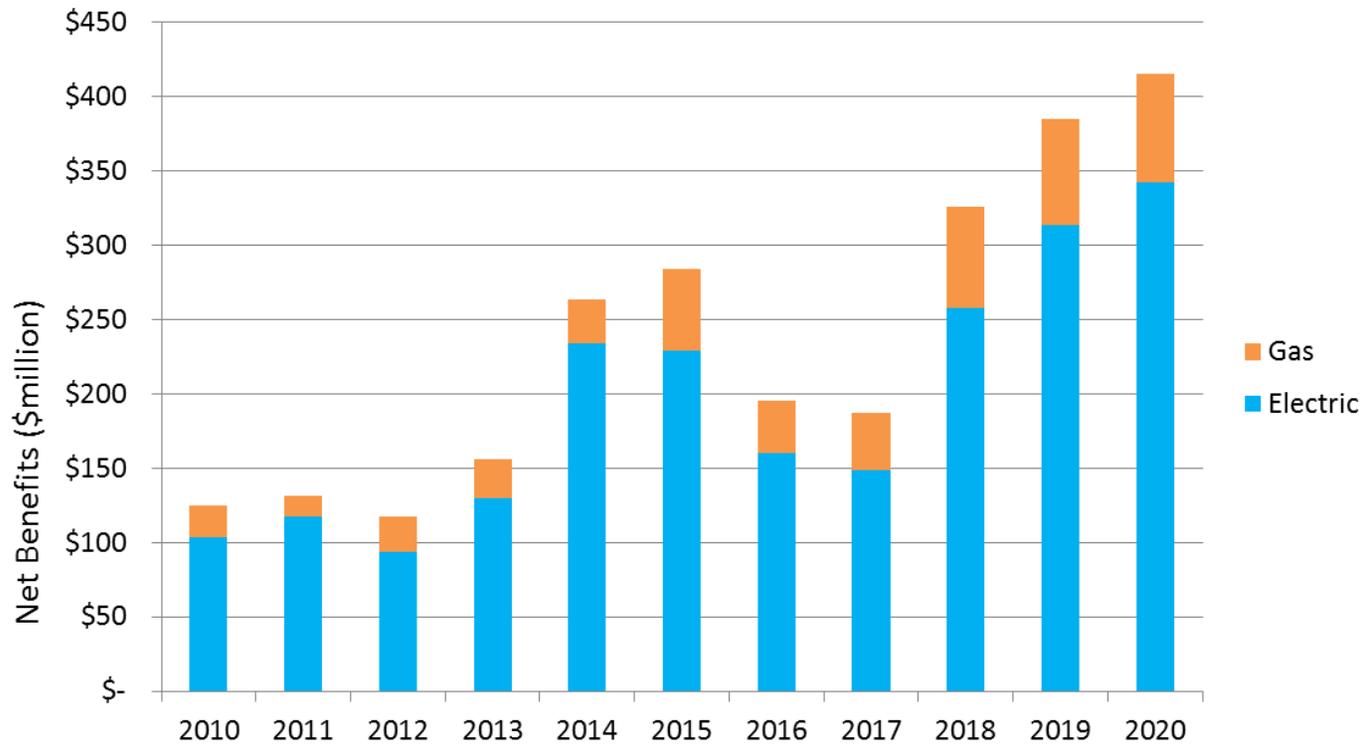
Historic Electric Savings



Historic Gas Savings



Historic Electric and Gas Benefits





New

In the 3 Year

EE Plan

HIGHLIGHTS OF ENHANCEMENTS EXPANSIONS AND GO-TO-MARKET STRATEGIES

RESIDENTIAL

- Expanding the accessibility for delivered fuel and developing financing tools for moderate income customers in EnergyWise
- Customized communication in behavior program
- Broader reach with income eligible customers
- Redesign Residential New Construction with an emphasis on Zero Net Energy
- Deeper strategic approach with comprehensive community engagement model

COMMERCIAL AND INDUSTRIAL

- Finance and Affordability
- Sector approach for more targeted, comprehensive savings
- Work closely with large C&I customers to plan for and install combined heat and power (CHP)
- Expand the Strategic Energy Management Planning (SEMP) partnerships for deeper energy savings
- Expand the retro-commissioning initiative
- New approach to Commercial New Construction to attain set “Energy Use Intensity” targets



Challenges and Opportunities

LIGHTING

RAPID LIGHTING MARKET TRANSFORMATION

Boost in LED availability
LED price drop
Increasing efficient lamps market share
Saturation
Falling net-to-gross ratios



Challenges and Opportunities

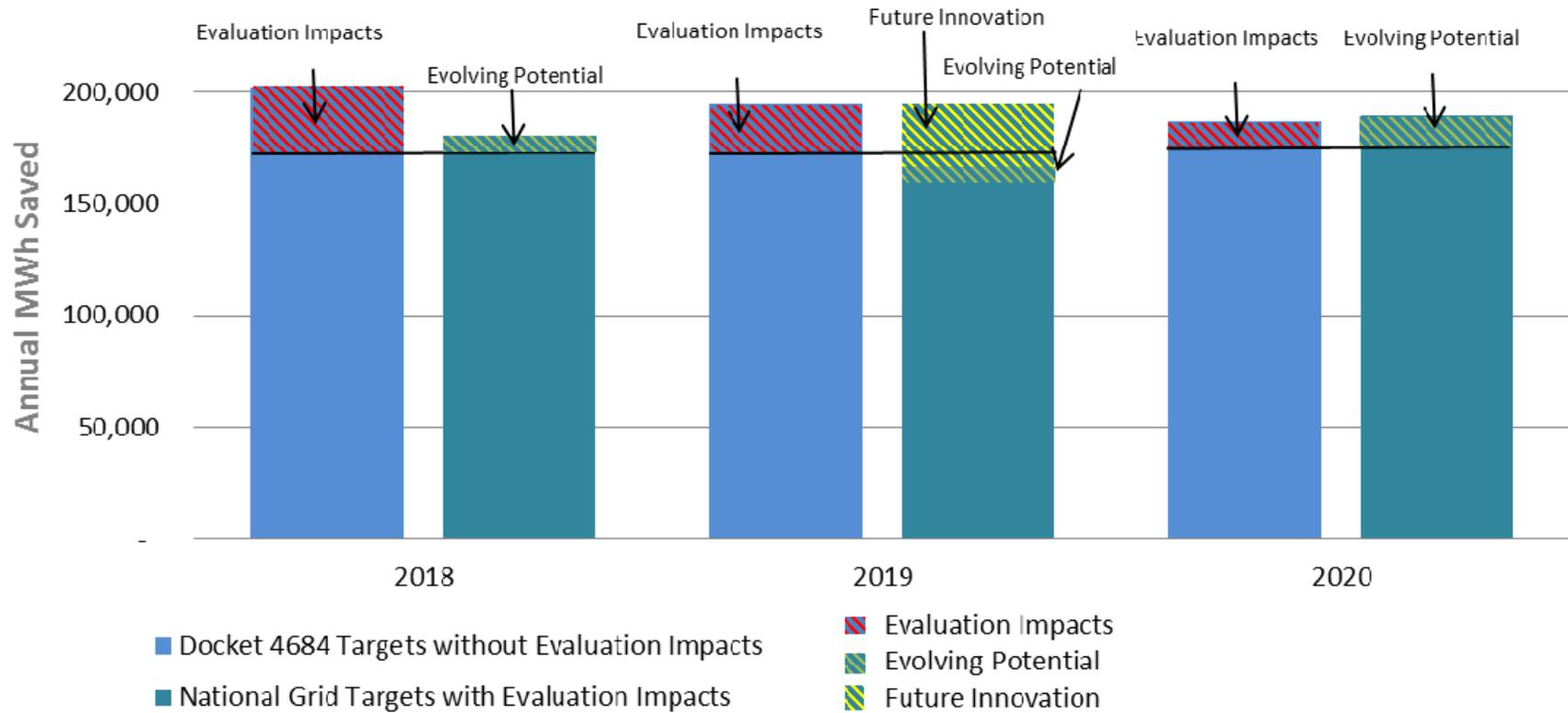
INNOVATION

PILOTS AND DEMONSTRATIONS

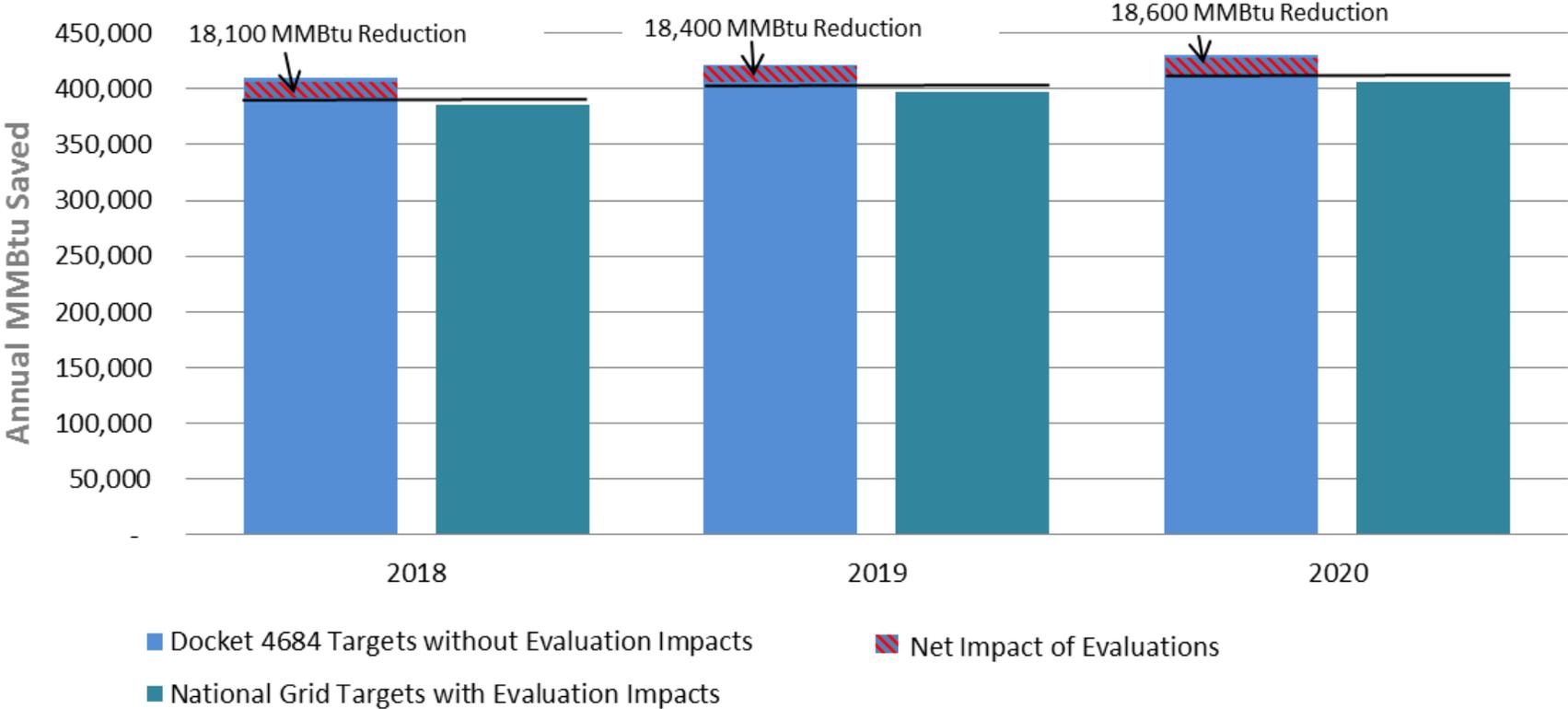
New Technologies
Go-to-market strategies
Demand Response
Comprehensive savings through Zero Energy Buildings



National Grid 3 Year Plan Goals - Electric



National Grid 3 Year Plan Goals - Gas



Achievable Potential

- Plan includes evidence from the latest research, data and studies
- Achievable potential constantly changes
 - Evaluation findings
 - Lighting transformation
 - New technologies and economics
- Commitment to future innovation
 - Assess achievable potential
 - Use latest findings and verified information
 - Rapidly adopt and market new technologies and tactics

FUNDING PLAN 2018-2020

Electric Programs	2018	2019	2020
Annual MWh Savings	179,968	194,677	189,509
Annual Peak kW Savings	29,639	35,188	34,224
Total Benefits	\$ 373,004,694	\$ 438,942,301	\$ 451,782,884
Total Funding Required*	\$ 115,547,860	\$ 124,932,991	\$ 109,090,025
Benefit Cost Ratio	2.93	2.88	3.23
EE Program Charge per kWh	\$ 0.01090	\$ 0.01390	\$ 0.01193
<i>*2018 includes \$12.5M transfer to State</i>			

Gas Programs	2018	2019	2020
Annual Dth Savings	396,113	408,100	416,089
Total Benefits	\$ 97,702,163	\$ 101,369,221	\$ 104,184,334
Total Funding Required	\$ 29,399,869	\$ 30,776,029	\$ 31,846,313
Benefit Cost Ratio	2.53	2.49	2.47
Residential EE Program Charge per Dth	\$ 0.882	\$ 0.903	\$ 0.928
C&I EE Program Charge per Dth	\$ 0.721	\$ 0.739	\$ 0.758

Foundations for Success in 2018-2020

- Build on existing success (ACEEE Ranking, #1 EE Utility Program)
- Expand access to EE for low and moderate income customers
- Prepare for the future (Pilots and Demonstrations)
- Continue to build on a Collaborative process
- With the support of stakeholders in the state, deliver on this ambitious and innovative 3 Year Energy Efficiency Plan 2018 - 2020

