

# Third Quarter 2019 Results

**RI EERMC**

November 21, 2019



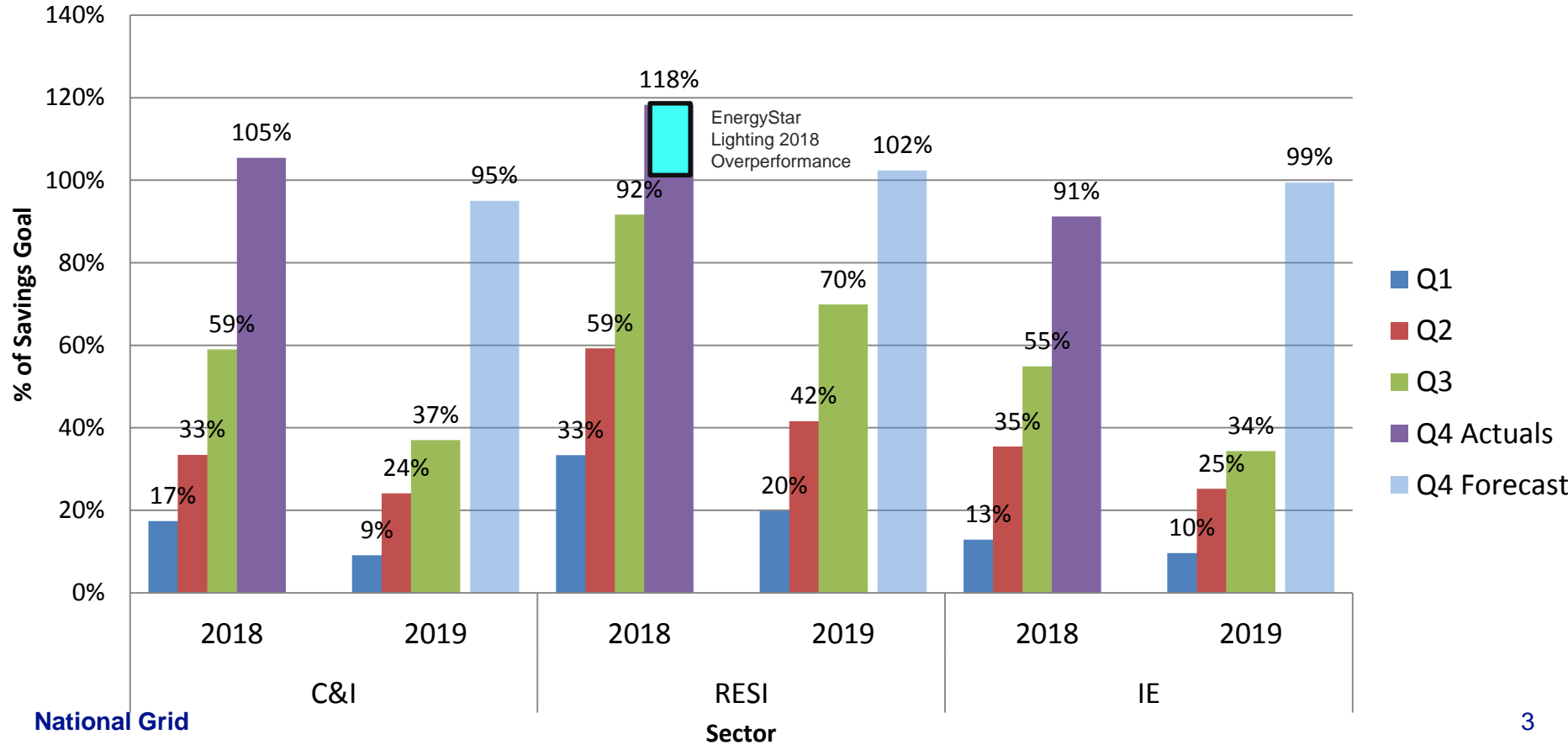
# Summary

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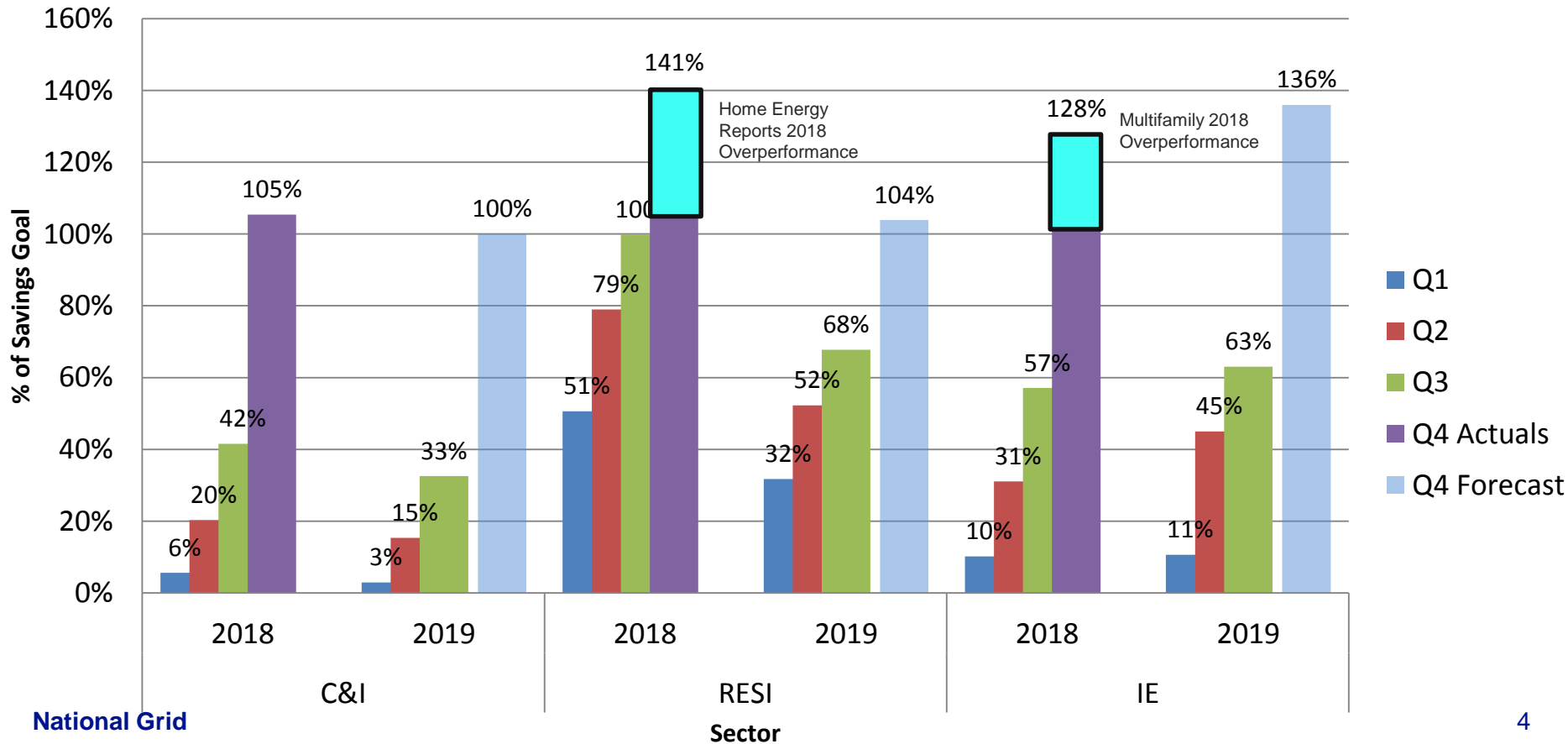
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# Electric Portfolio Progress Towards Energy Savings Goals (Annual MWh), 2018 and 2019 by Sector by Quarter



# Gas Portfolio Progress Towards Energy Savings Goal (Annual MMBtu), 2018 and 2019 by Sector by Quarter



# Residential Q3 Overview

## Market Rate



**69.9%**

of the annual  
electric goal  
(64,066 MWh)



**67.8%**

of the annual gas  
goal (130,156  
MMBtu)

## Income Eligible



**34.3%**

of the annual  
electric goal  
(2,389 MWh)



**63.0%**

of the annual gas  
goal (18,696 MMBtu)

# Residential Highlights

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**01** Connected Solutions

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**02** EnergyWise

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**03** Residential New Construction

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**04** HVAC/Electrification of Heat

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# Q3 Highlights



Connected  
Solutions

## 2019 ConnectedSolutions Completed

3,100 thermostat participants

1.8 MW of average active demand  
response savings over 12 summer  
events

32 battery participants



EnergyWise

**17 Independent Insulation  
Contractors** awarded  
Department of Energy Home  
Performance with ENERGY  
STAR® Century Award



Residential  
New  
Construction  
/Zero Energy

## Sheridan Small Homes Project

Combination of RISD  
graduate student designs and  
ONE Neighborhood Builders



Air Source  
Heat Pump  
Goal –  
EnergyStar  
HVAC

## Surpassed Goal

Through Q3 have  
installed ASHP in 171  
homes. Goal of reaching  
85 homes

# C&I Q3 Overview

## New Construction



35%

of the annual  
electric goal  
(3,832 MWh)

## Retrofit



33%

of the annual  
electric goal  
(24,063 MWh)

## Small Business



63%

of the annual  
electric goal  
(7,692 MWh)



32%

of the annual gas  
goal (24,063 MMBtu)



33%

of the annual gas  
goal (49,114 MMBtu)



87%

of the annual gas  
goal (2,231 MMBtu)



# Commercial and Industrial Highlights

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- 01** Large Commercial New Construction

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  - 02** Large Commercial Retrofit

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  - 03** Small Business Direct Install

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  - 04** Commercial and Industrial Pilots, Assessments, and Demonstrations

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  - 05** Codes and Standards

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# Large Commercial New Construction

## New Construction Highlights:

- A large industrial facility is in the process of adding 5 new buildings
  - Completed in 2019, fume mitigation, LED lighting, performance lighting, and compressors
  - Projected 2019 savings: 647,000 annual kWh
- Barrington Middle School Comprehensive Design
  - Project Details: building design assistance, energy efficient building envelope, high efficiency lighting and controls, high efficiency HVAC and controls, variable frequency drives for hot water pumps, hood controls, condensing boilers and domestic hot water
  - Projected savings for 2019: 431,000 annual kWh



Barrington Middle School

# Large Commercial Retrofit

## Retrofit Highlights

- A Market – Newport Grocery Store
  - Implemented a comprehensive energy efficiency plan including upgrading store lighting, HVAC, kitchen equipment, refrigeration equipment, and backend refrigeration system
  - Overall refrigeration savings amounted to ~158,000 annual kWh
- **Dave’s Marketplace – Cumberland**
  - After undergoing a major energy efficiency overall earlier in the year, Dave’s Marketplace identified the need to add 6 stand-alone coffin cases with lids
  - The projected savings amount to over 22,000 annual kWh



# Small Business Direct Install Program

## Small Business Direct Install Highlights:

- Rhode Island Society for the Prevention of Cruelty to Animals (SPCA) – Riverside
  - The project included a complete retrofit of the interior and exterior lighting with controls, and 5 WiFi thermostats
  - The project will save ~24,300 annual kWh, and save SPCA ~\$3,650 in annual energy costs
  
- Stateline Nissan – East Providence
  - Conducted a major lighting retrofit
  - Projected savings for 2019: ~107,000 annual kWh
  - ~\$16,000 savings in annual energy costs



Before



After

# Commercial and Industrial Pilots, Assessments, and Demonstrations

- **Connected Solutions** – Preliminary results from the Commercial Connected Solution target dispatch program indicated 40 MW of active demand response curtailment was achieved from 115 customer accounts participating during one event over the summer. Final performance value will not be validated until 4<sup>th</sup> quarter and Year-End Report.
- **Zero Energy Builds** – The Company held a Zero Energy Forum on November 15<sup>th</sup>, at the Tiverton Public Library. The interactive workshop included national and local, design and development experts. Highlights include New England Zero Energy Buildings, concept-to-finish lessons learned, processes, technologies, policy and financing approaches. Work continues with engaging the building community with information and education on Zero Energy Buildings.

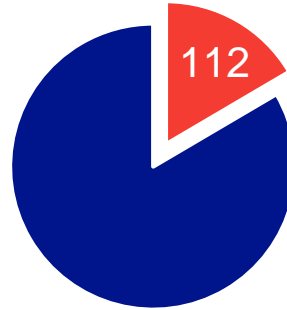
# Codes and Standards

**Code Compliance / Green Workforce Support Highlight:**  
*Q3 marks over 100 students engaged this year*



Exposing future architects and engineers to *real projects*

2019 YTD Trainees



A small but important piece of our code compliance support initiative



*Hands-on training for vo-tech students*

