

Second Quarter 2020 Results

RI EERMC

September 17, 2020

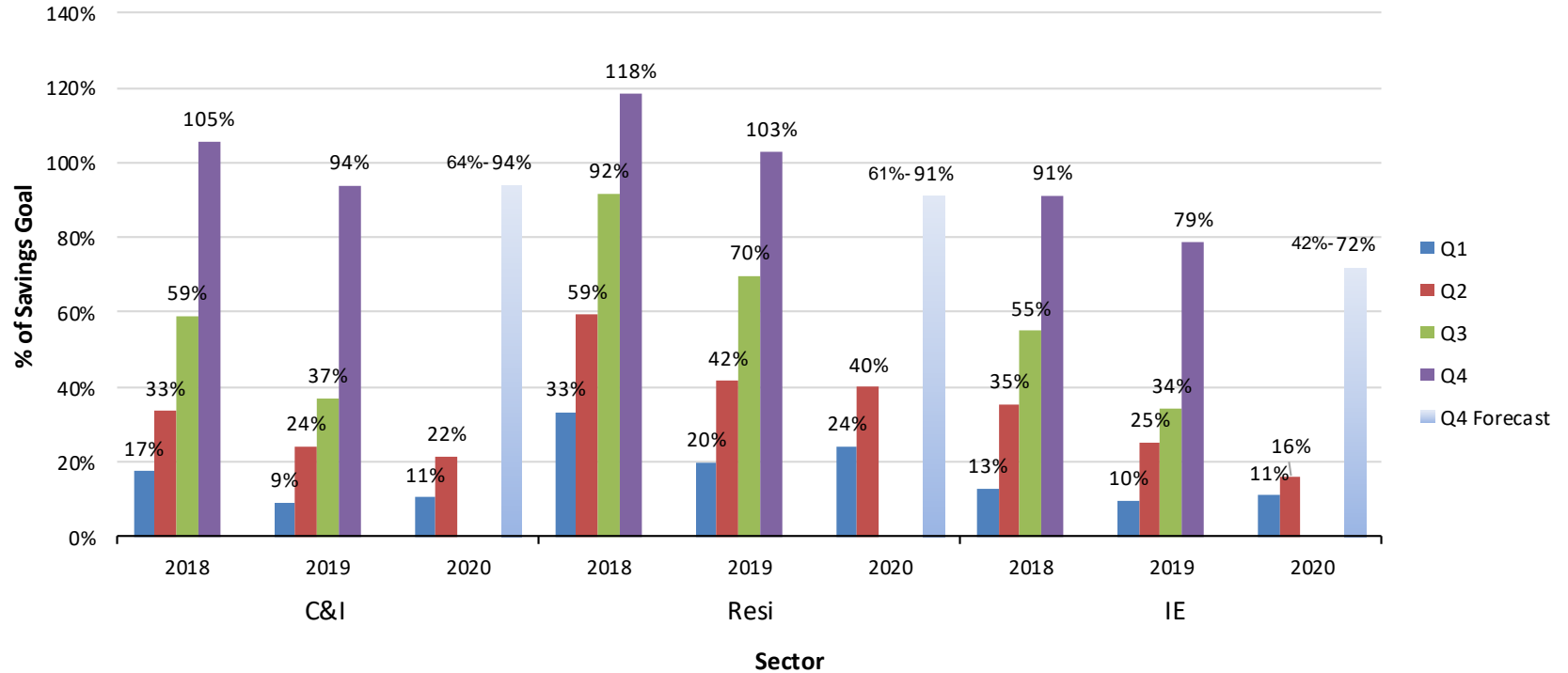
National Grid



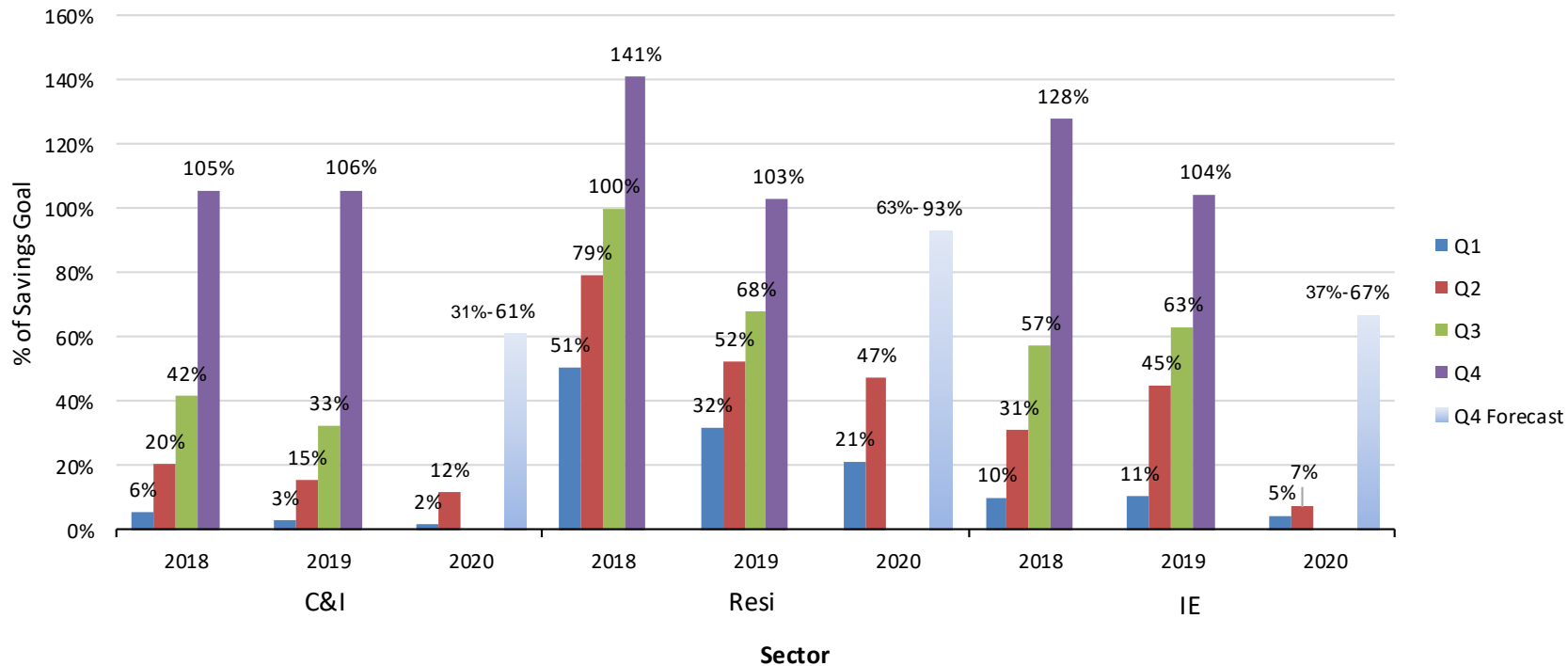
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Electric Portfolio Progress Towards Energy Savings Goals (Annual MWh) 2018-2020 by Sector by Quarter



Gas Portfolio Progress Towards Energy Savings Goals (Annual MMBtu) 2018-2020 by Sector by Quarter



Residential Q2 Overview

Market Rate



39.9%

of the annual
electric goal
(31,169 MWh)



47.3%

of the annual gas
goal (89,877 MMBtu)

Income Eligible



16.1%

of the annual
electric goal
(992 MWh)



7.3%

of the annual gas
goal (2,510 MMBtu)

Residential Highlights

01 Residential New Construction

02 EnergyWise

03 ENERGYSTAR®HVAC

04 Residential Consumer Products

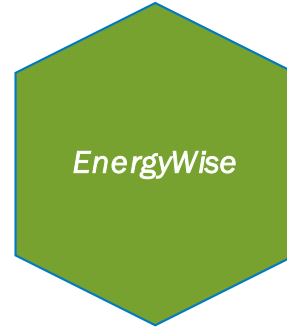
Second Quarter Highlights



2020 Success

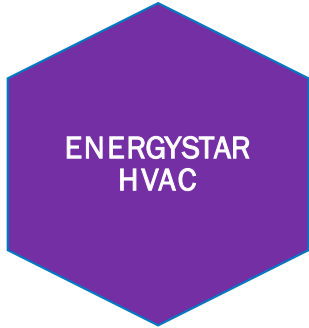
RI's first large Passive House apartment building completed (30 units)

Plan to develop four-story affordable housing apartment



Virtual Home Energy Assessments launched April 6th

1,102 Market Rate
723 Income Eligible



Enhanced incentives for emergency replacement of heating equipment

Developed virtual contractor trainings and inspections



Increased incentive for refrigerator recycling to \$125

Continuation of lighting promotions on Marketplace

C&I Q2 Overview

New Construction



18.7%

of the annual
electric goal
(1,840 MWh)

Retrofit



22%

of the annual
electric goal
(16,066 MWh)

Small Business



20.7%

of the annual
electric goal
(2,385 MWh)



23.1%

of the annual gas
goal (10,486 MMBtu)



8.6%

of the annual gas goal
(14,059 MMBtu)



35.3%

of the annual gas
goal (891 MMBtu)

Commercial and Industrial Highlights

01 Large Commercial New Construction

02 Large Commercial Retrofit

03 Small Business Direct Install

04 Commercial and Industrial Pilots, Assessments,
and Demonstrations

05 Codes and Standards

Large Commercial New Construction

New Construction Highlights:

- 1,840 Annual MWh and 10,486 Annual MMBtu achieved
- In accordance with State Strategic Energy Management Planning (SEMP), vendor teams have undergone health and safety training and are auditing State facilities
- Completion of a project with 1,000 exterior LED light installations, with estimated savings over 1 million kWh
- In Q1, an RI based supermarket chain completed construction on a Warwick location
 - Comprehensive project measures saved 174,893 kWh and 21,552 therms

Challenges:

- Many customer energy efficiency projects are on hold or have been withdrawn due to the economic impacts of COVID-19

Large Commercial Retrofit

Retrofit Highlights

- A textile manufacturer -
 - Updated process control measures and installed VFDs (variable frequency drive) to reduce fan circulation and exhaust motors during non-production
 - Will realize over 309,000 kWh and 2,200 MMBtu of energy savings
- A major industrial customer –
 - Utilizing a Steam IQ system to monitor their steam traps, the most advanced ultrasonic steam trap monitoring system available

Challenges

- Many projects are on hold due to COVID impacts
 - Large hotel, large hospital, and large textile manufacturer projects are on hold due to lack of capital and cost-cutting measures

Small Business Direct Install Program

Small Business Direct Install Highlights:

- 100% incentive offering established in April to spur participation and improve efficiency in small business establishments
- National Grid began offering virtual audits due to restrictions to on-site visits to customer locations
 - 17 virtual audits completed
- 113 contracts were signed between May 1st and June 31st
- In Q1, LED lighting upgrades and WiFi thermostats were installed in a Cranston retail plaza's commons areas and tenanted spaces
 - Project captured 20,000 annual kWh and 660 annual therms
 - Part of RISE's efforts to work closely with property managers

Commercial and Industrial Pilots, Assessments, and Demonstrations

- **Zero Net Energy** – National Grid organized two Online Zero Net Energy Forums addressing both Residential and Commercial & Industrial sectors
 - 106 attendees at May 19th Design Forum, and 239 attendees at June 2nd Policy Forum
 - Launched ZNE website that outlines pilot program details and information to assist design teams
- **Updated internal protocol** for considering, documenting, and testing innovations
 - Intended to be flexible and scale to the level required to vet a given innovation
- **Completed procurement and scoping processes** for 3 demonstration projects:
 - Network Lighting Controls & HVAC
 - Comprehensive Kitchen Exhaust
 - Air Absorption Cleaning system

Codes and Standards

Home Building Industry Outreach

- Delivered monthly trainings through RIBA's new Contractor Development Program; topics included air leakage testing, HVAC and IAQ, and Zero Energy



Commercial Stretch Code Support

- Provided guidance to the project team for an extension of an early-childhood school in Providence on necessary upgrades to meet RI Stretch Code

