



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

CONSULTANT TEAM

nationalgrid

2021 Fourth Quarter Results Update

Presented to the EERMC By:
EERMC Consulting Team
National Grid

Date: March 17, 2021





Outline

Program Performance and Forecast

Consultant Team Select Program Highlights

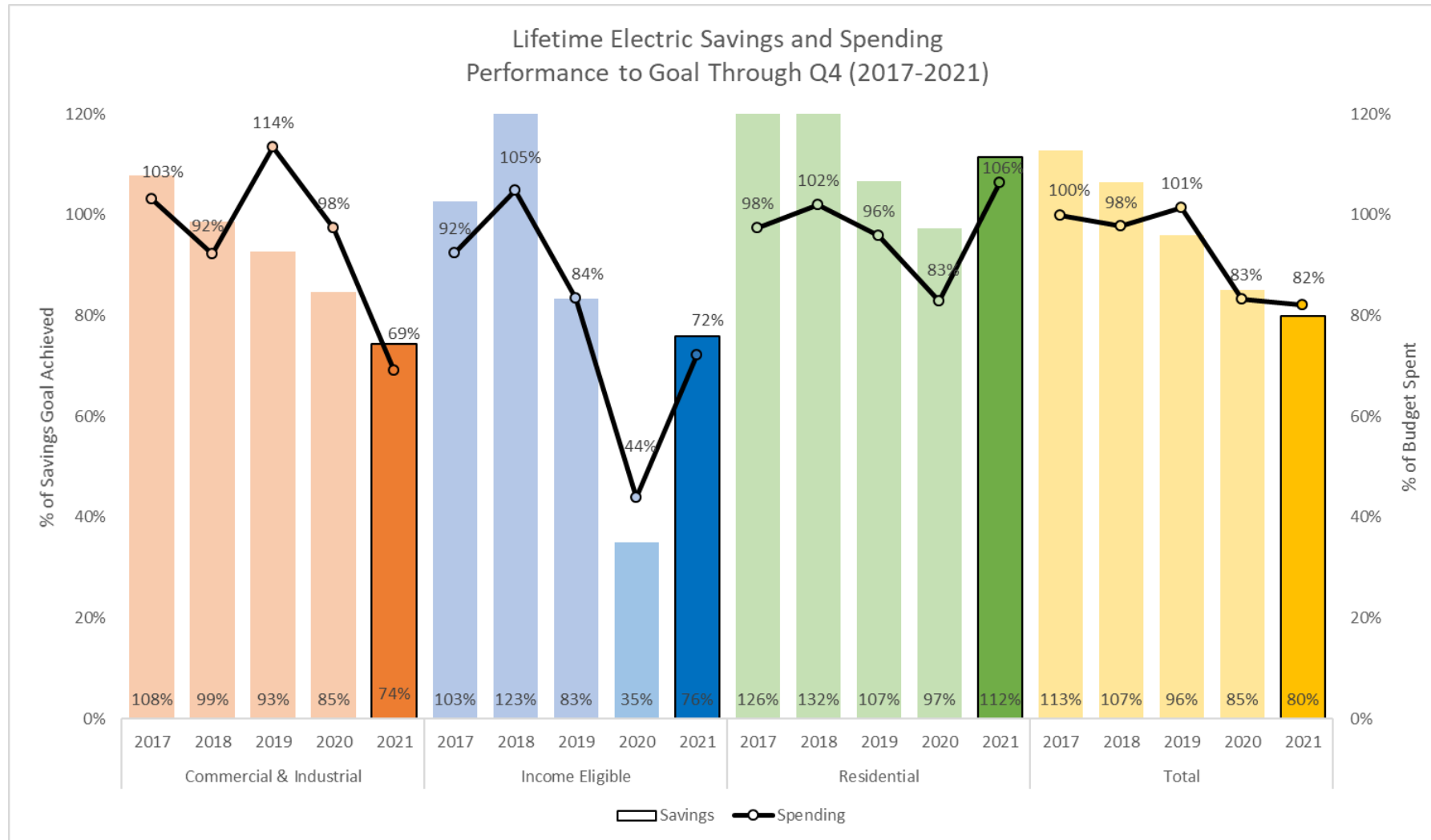
National Grid Sector Highlights

Update on 2021 Plan Commitments

Discussion

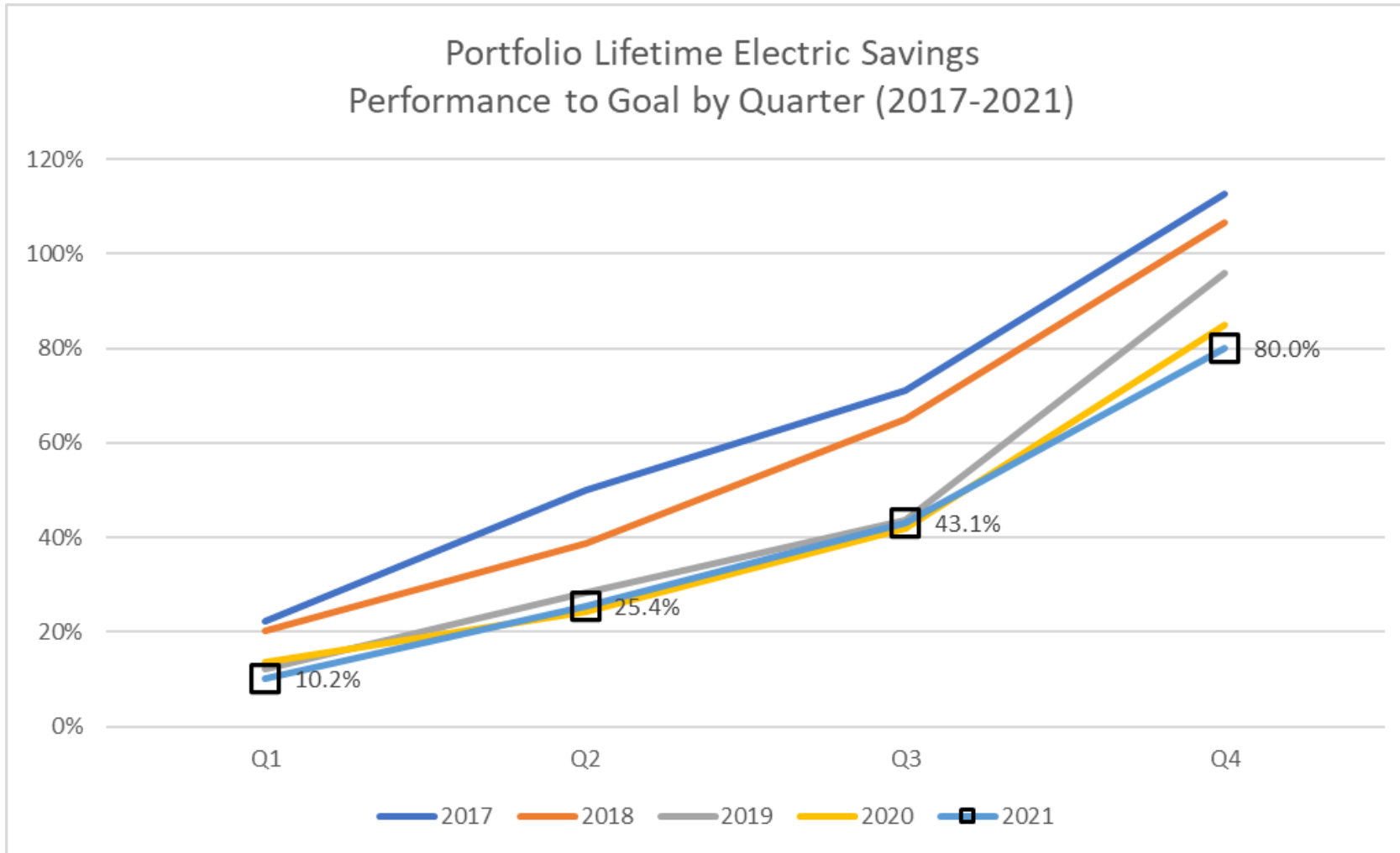


Electric Performance





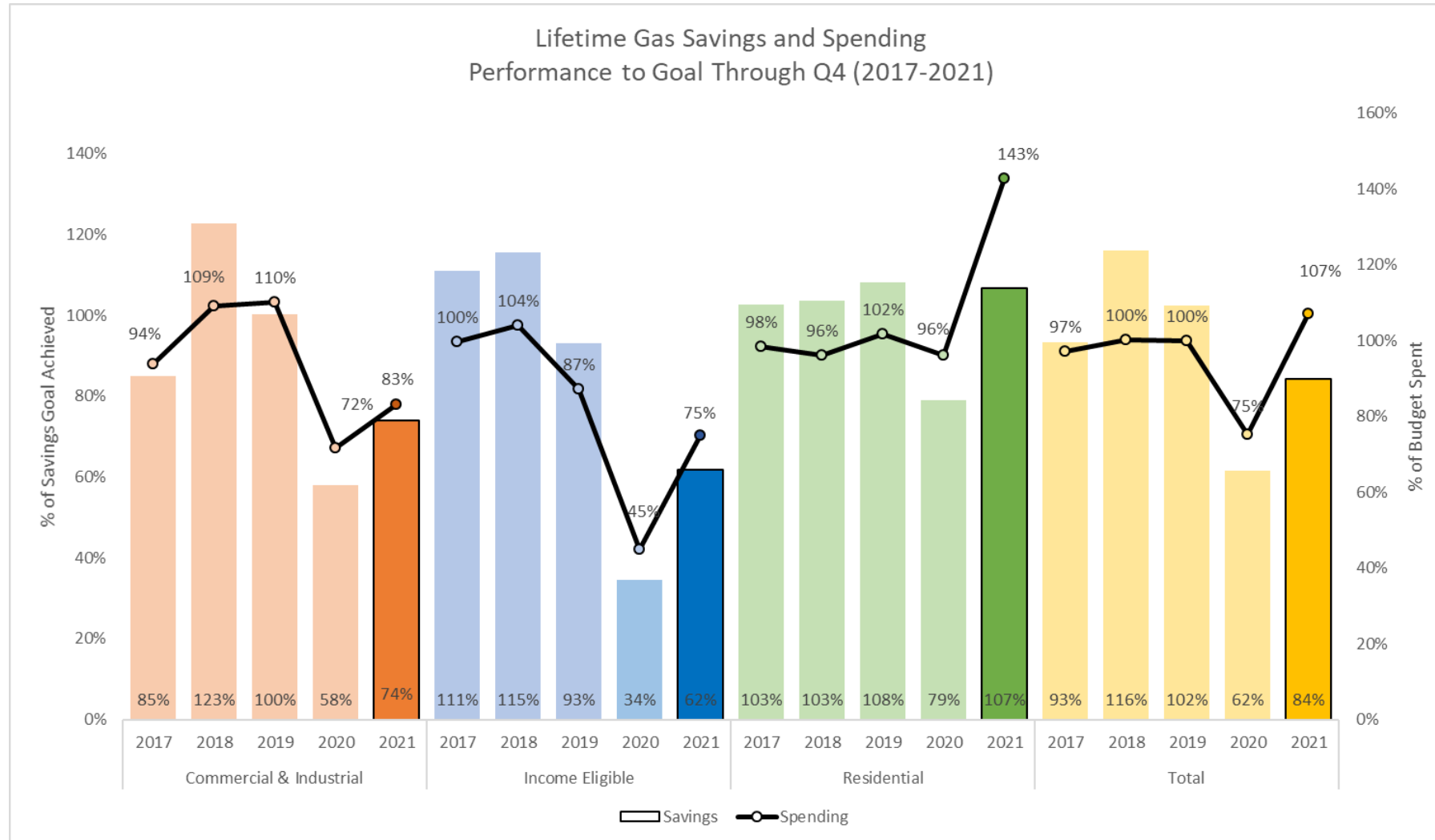
Electric Performance



Versions of this chart for each sector are available in the Appendix

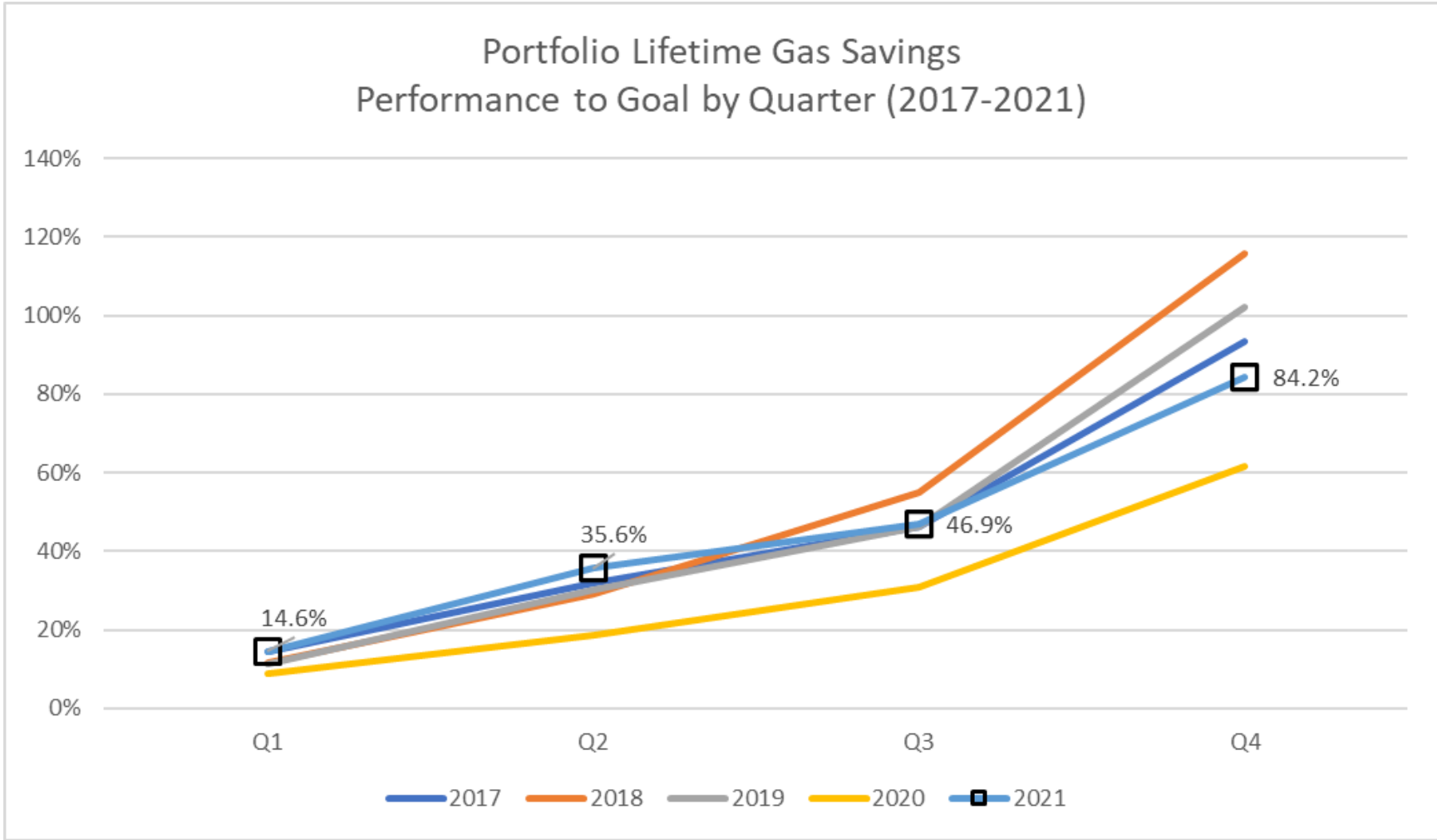


Gas Performance





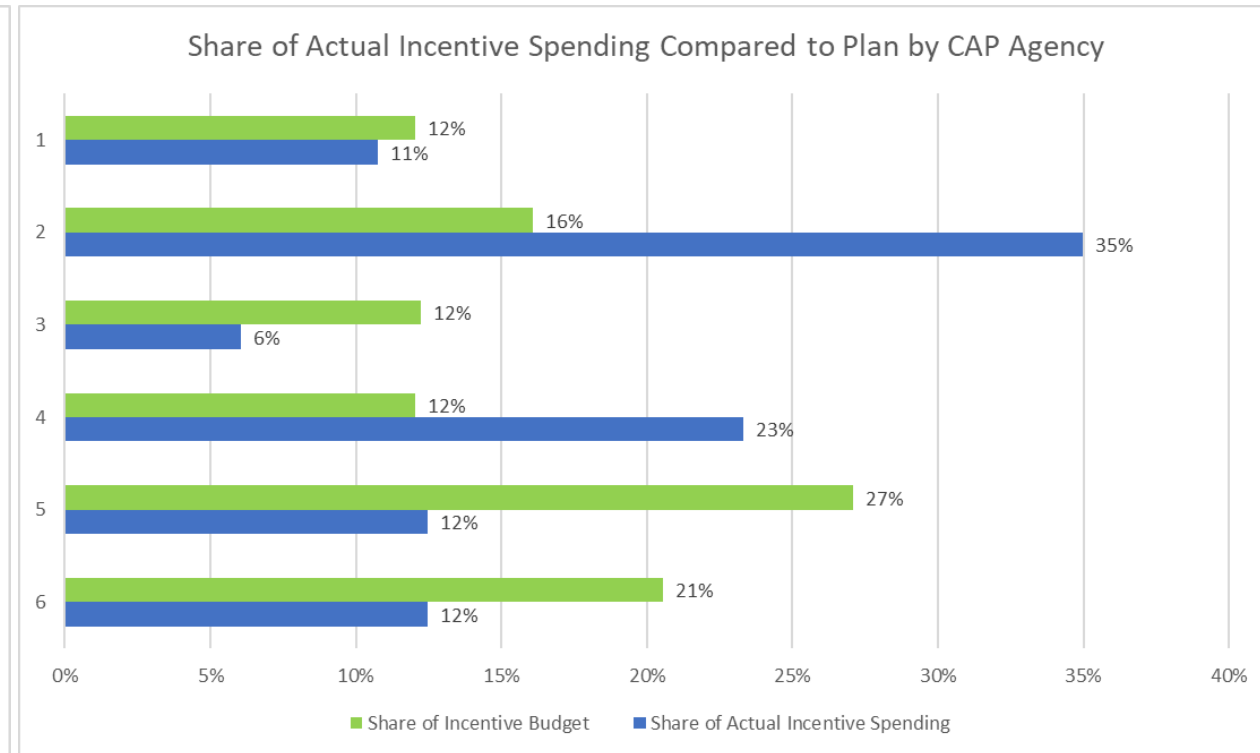
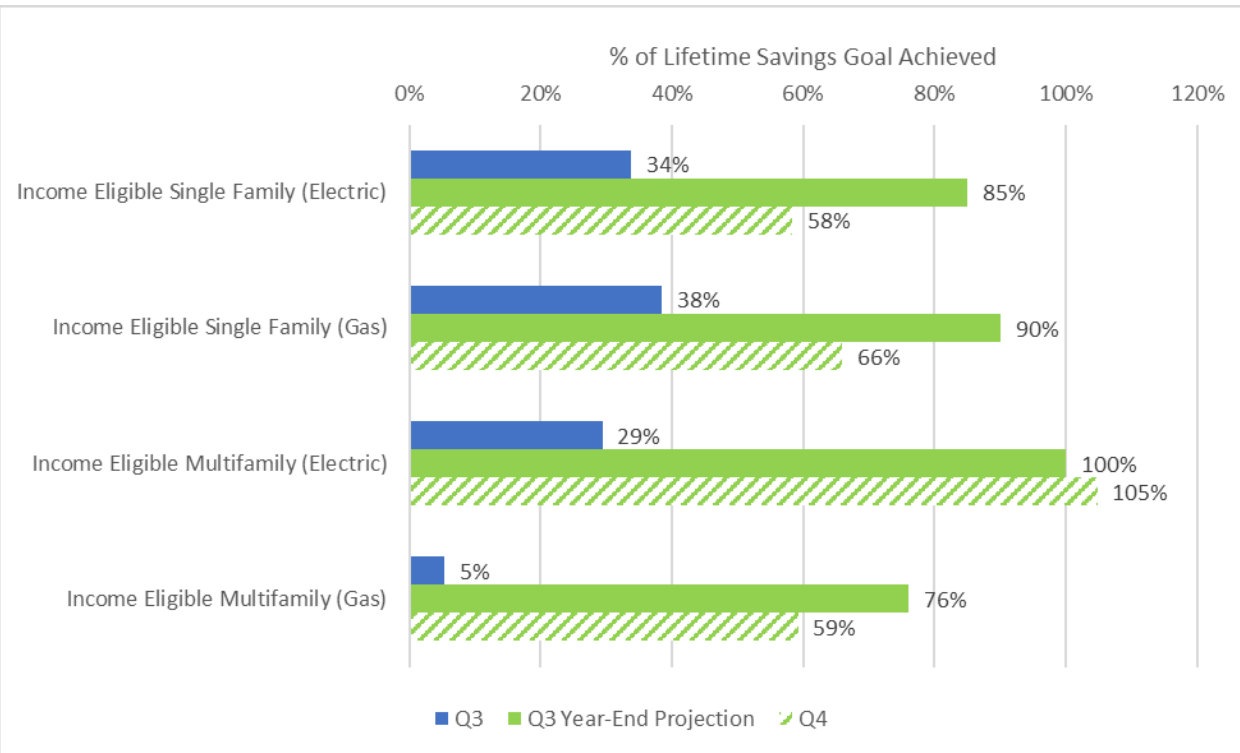
Gas Performance & Forecast



Versions of this chart for each sector are available in the Appendix



Income Eligible Updates



3 of 4 Income Eligible programs fell well short of goal

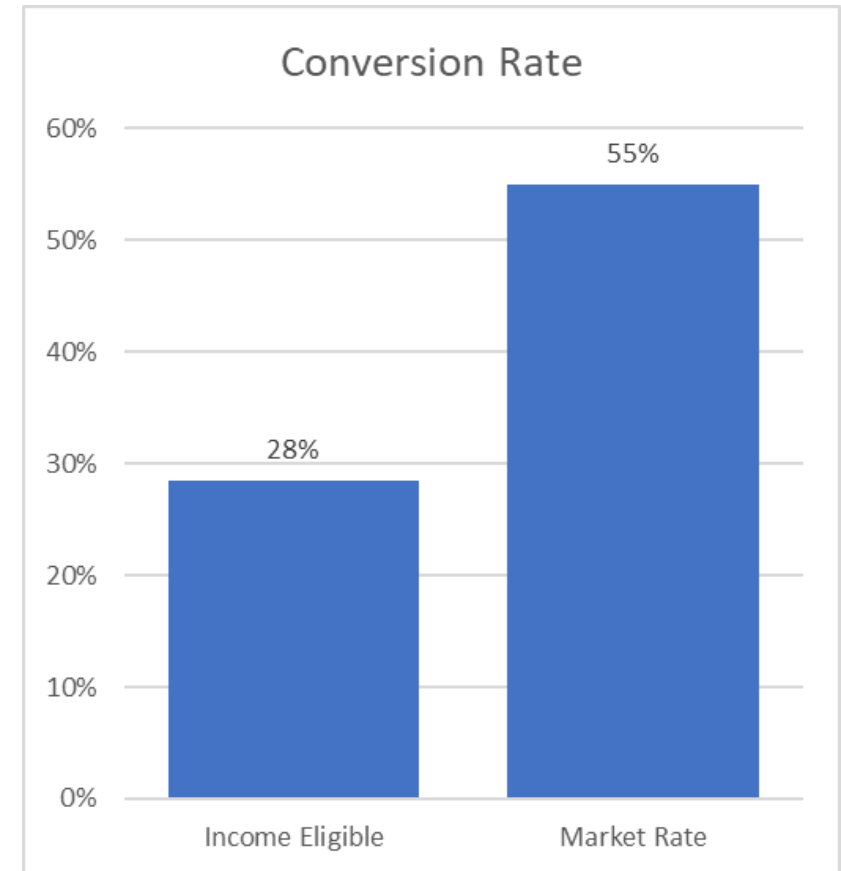
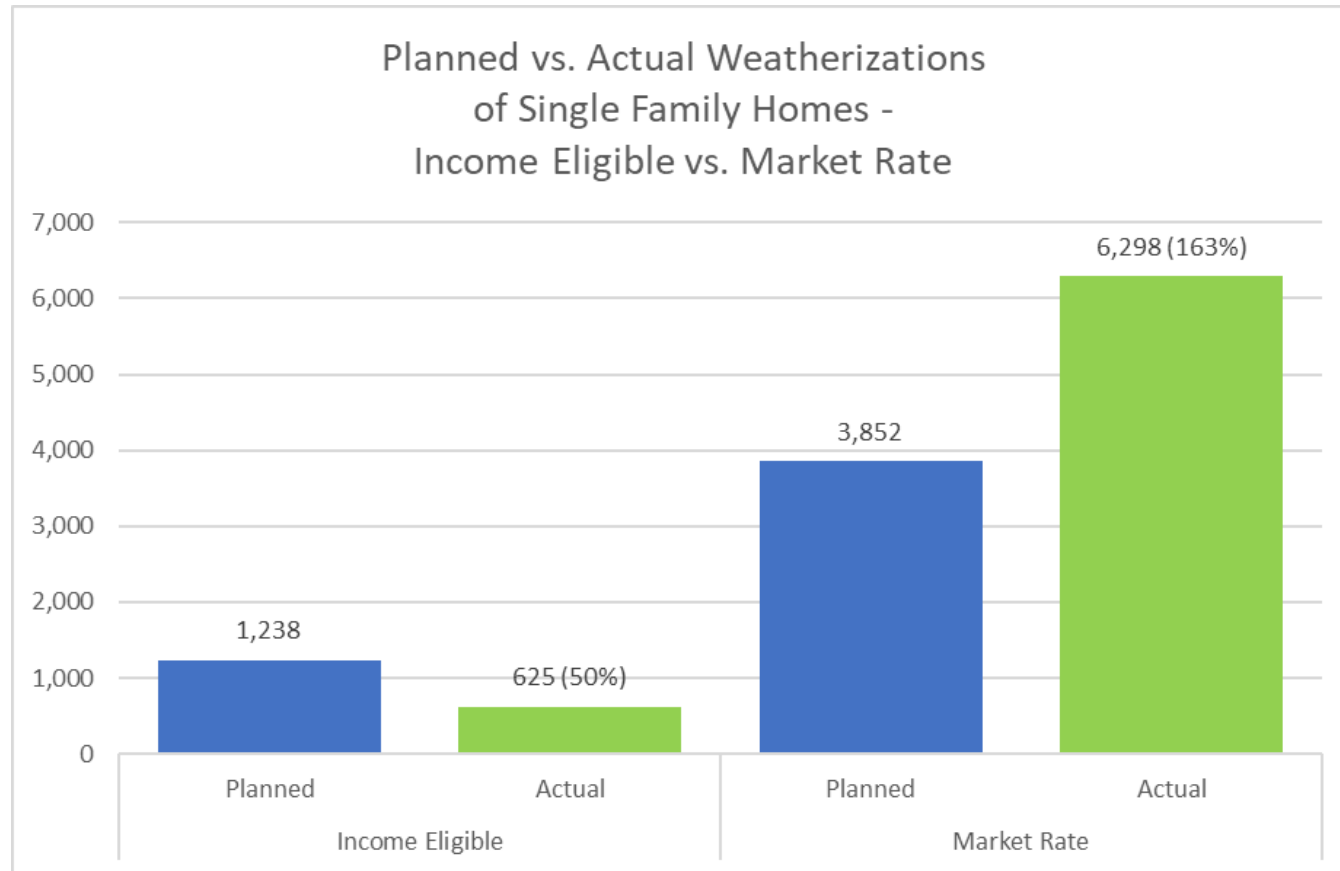
Large disparity in CAP spending compared to planned budgets

3rd straight year IE SF Electric failed to achieve even 80% of goal

3rd party support system not yet yielding meaningful improvements

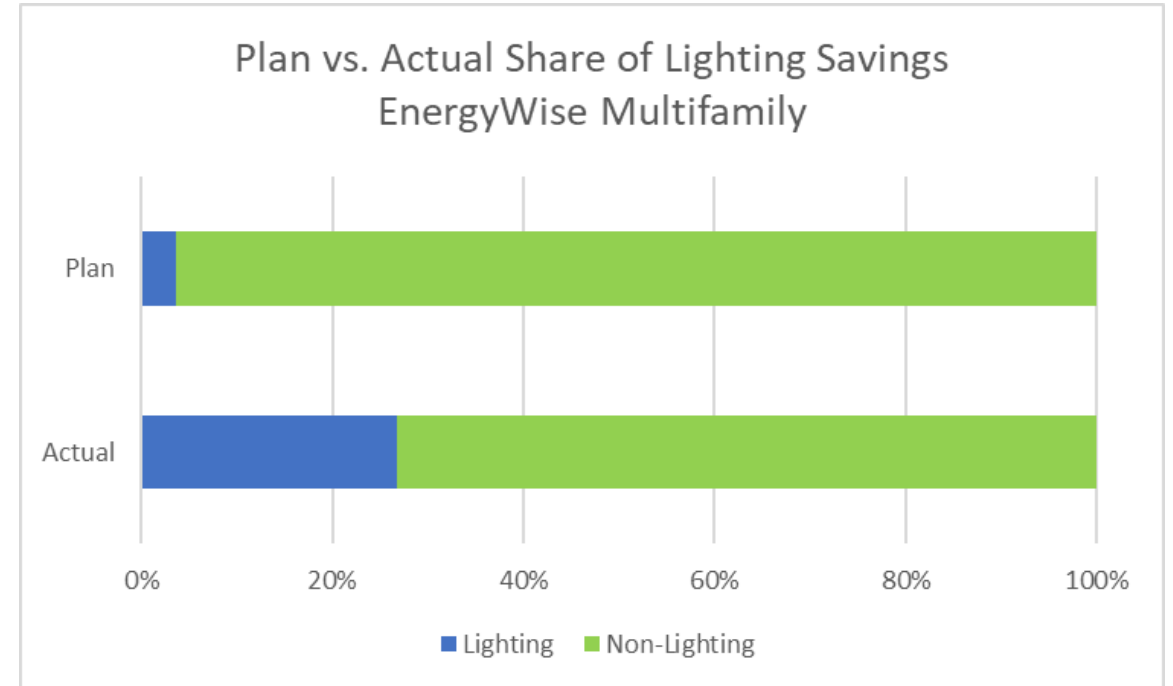
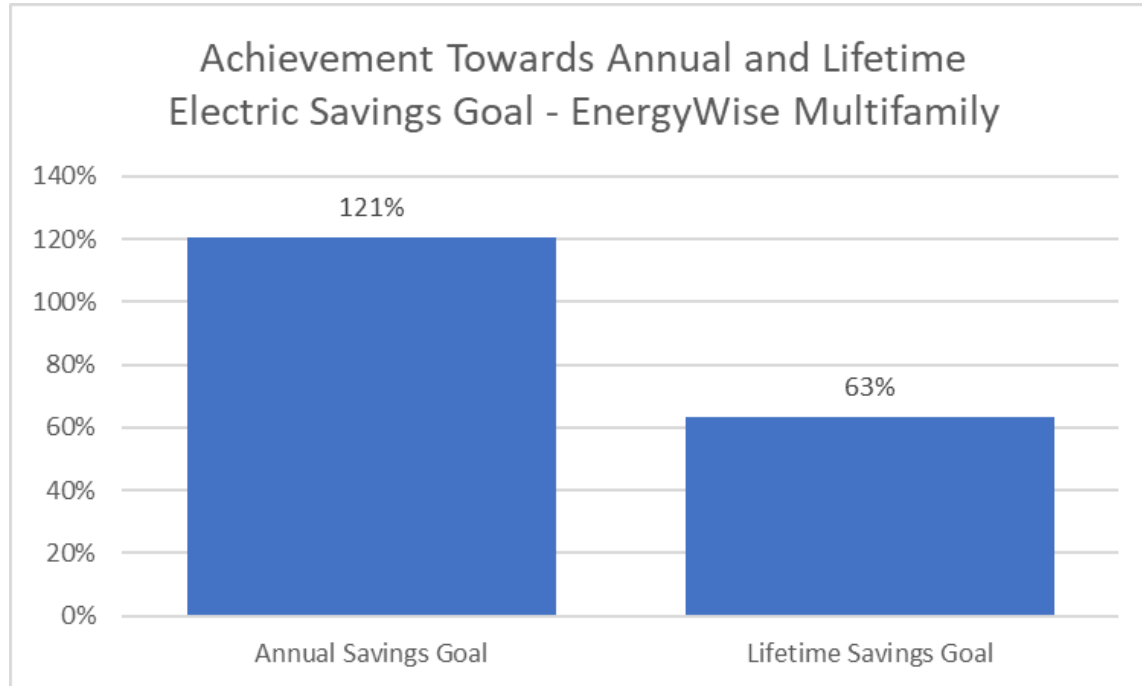


Weatherization Rates and Completions





EW Multifamily Reliance on Lighting



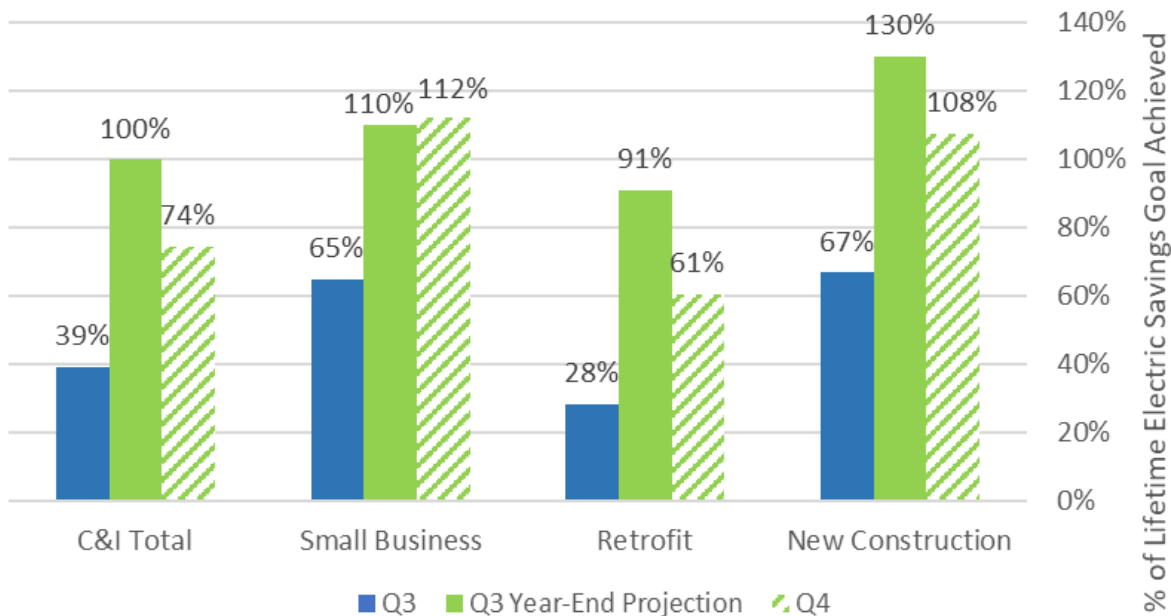
Difference in achievement towards annual and lifetime savings goals attributable to an over-reliance on lighting measures with low claimable savings measure lives



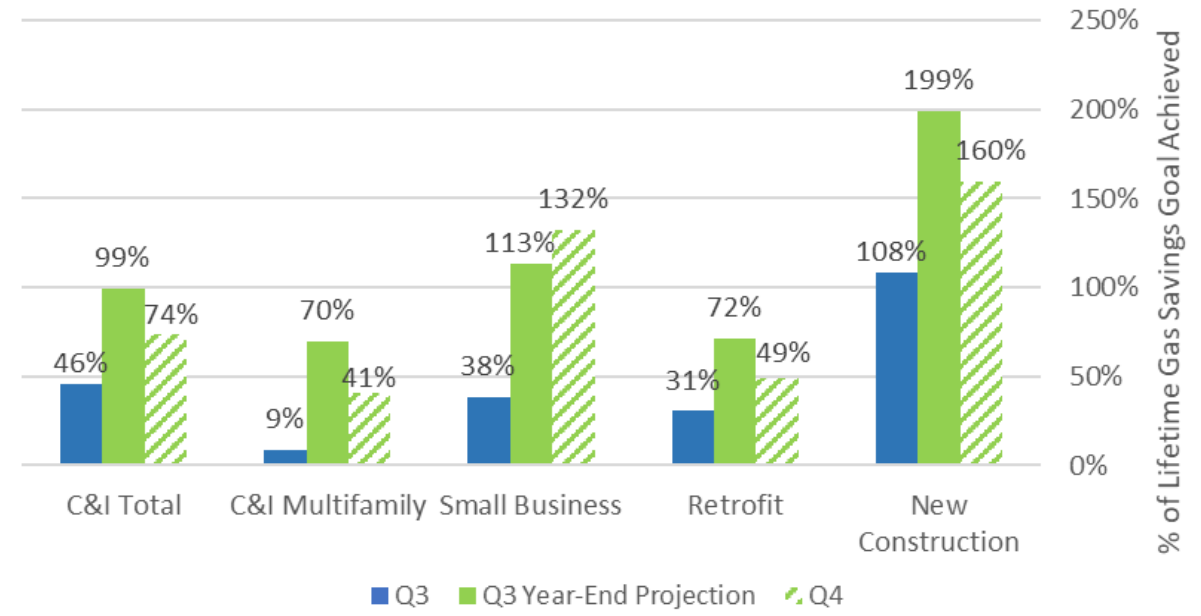
Commercial & Industrial Updates

Great performance for Small Biz and New Construction for both fuels, but Retrofit significantly short of goal and Q3 year-end forecasts

Q3 Year-End Projections vs. Q4 Actuals - Commercial & Industrial Electric



Q3 Year-End Projections vs. Q4 Actuals - Commercial & Industrial Gas

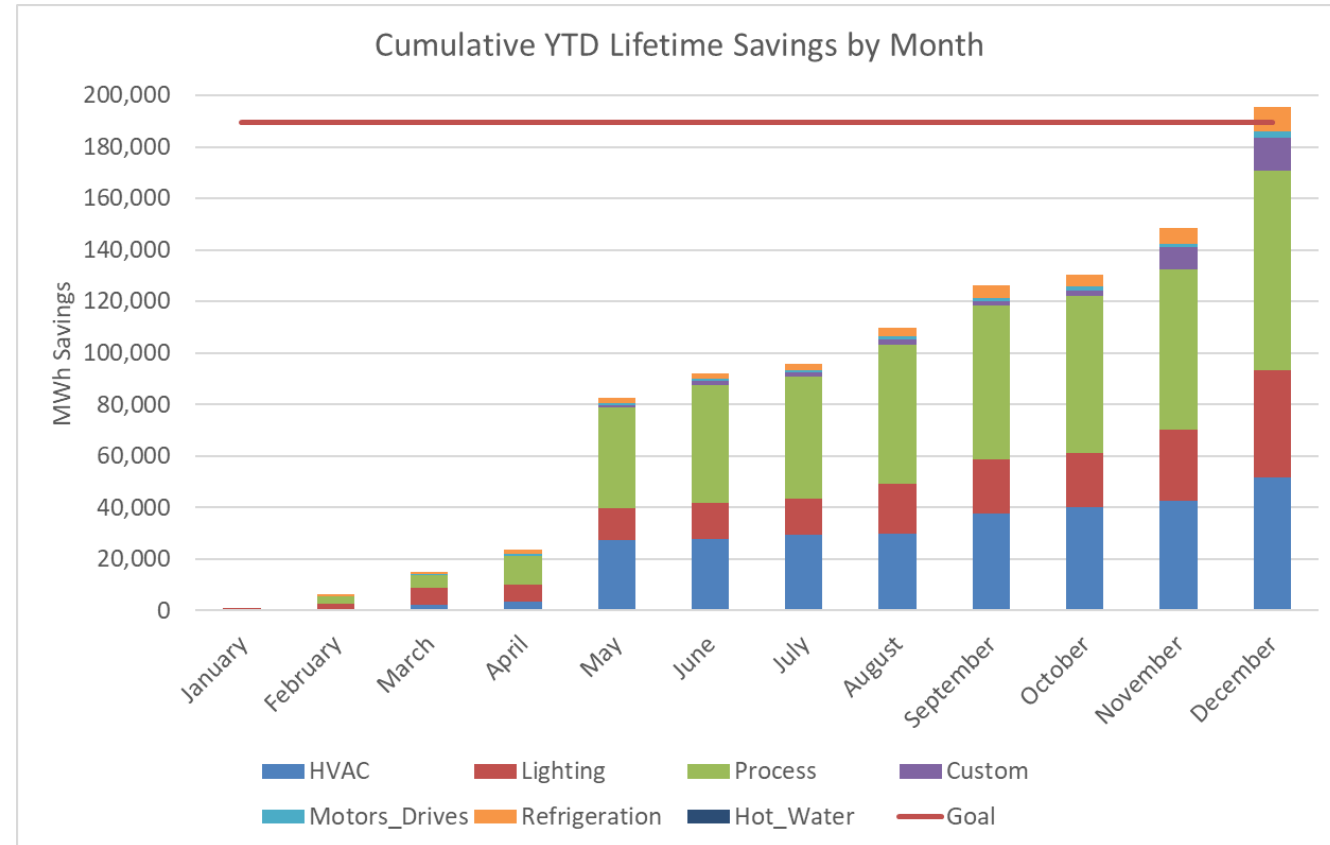




Commercial & Industrial Updates

Still some claimable lighting savings available, but the emphasis remains on capturing more non-Lighting savings opportunities

C&I New Construction program achieved savings across many end uses, and its Lifetime MWh savings goal was exceeded by 5.5 percentage points



Residential Highlights

EnergyWise

Single Family:

- Began designing the Regional Greenhouse Gas Initiative Moderate Income offering in conjunction with the Rhode Island Office of Energy Resources

Multifamily:

- Started updating the Multifamily Program Brochure, HEAT Loan Application, and website pages
- Coddington Cove Apartments agreed to be featured in a case study illustrating the program participation process and the benefits of installed measures

ENERGYSTAR® HVAC:

- Launched the HVAC Check reporting portal V2.0
- Offered 22 HVAC Check trainings, which resulted in 74 contractors being included on the list of approved contractors
- Developed a weekly newsletter for HVAC companies, contractors, technicians, distributors, and other trade allies

C&I Project Highlights

New Construction:

- 30 new buildings and major renovations likely to participate in new four-pathway structure, including warehouses to support e-commerce, a major mixed-use development project, and several buildings at Quonset Business Park

Industrial Initiative:

- 89 Electric and 30 Gas projects with annual savings of over 17,000 MWh and 27,000 MMBTU in 2021
- Manufacturer installed 50 HP booster pump for chilled water loop, reducing consumption from 250 HP pumps, reducing energy use by 55% (1,000 annual MWh) and 131 kW of demand.

EnergySmart Grocer Initiative:

- Installed coffin case freezers with glass lids and self-contained medium temperature case with doors at 12 locations of a national grocer chain. Yield of 93 gross annual MWh in savings
- Implemented performance lighting and night covers at Pawtucket supermarket. Gross annual savings: 50 MWh and 84 MMBtu.




Small Business Direct Install Program:

- Two family-owned restaurant projects. Savings: 2.2 net annual MWh and 11.4 net annual MMBtu
- New LED's and DHW controls for Providence Boys & Girls Club at zero cost to customer. Savings: 52.7 gross annual MWh and 195 gross annual MMBtu.



2021 Plan Commitments

- C-Team compiled all 111 commitments made in the 2021 Plan narrative
- Tracking methods, metrics, and timelines developed in collaboration with National Grid, OER, and the Division
- Items that are Incomplete/Ongoing will be incorporated included in the 2022 Plan Commitments track

 Complete	95
 Incomplete/Ongoing	14
 Not Complete	2



Select Residential 2021 Plan Commitments

Income Eligible

- Commitment:
 - “The Company aims to increase renter participation to effectively improve the equitable share of program resources.”
- Update:
 - National Grid developed a strategy for completing 2-3 higher density housing units/month
 - National Grid completed weatherization in 106 units in 2-4 family homes, for an average of ~9/month

ConnectedSolutions

- Commitment:
 - “In 2021, the program will develop new initiatives to increase enrollment in smart thermostat-based demand response.”
- Update:
 - National Grid ran a 4th of July WiFi Thermostat promotion on their Marketplace platform
 - Over 550 thermostats were sold, with approximately 20% of those customers signing up to participate in ConnectedSolutions



Select C&I 2021 Plan Commitments

New Construction

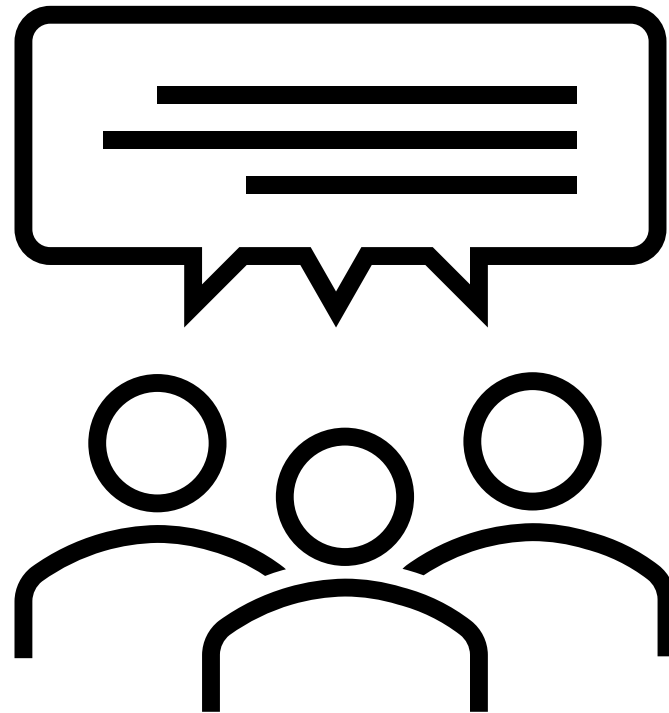
- Commitment
 - “The Company will offer two new pathways, Zero Net Energy Ready (ZNER) and Whole Building Energy Use Intensity to drive deeper, more comprehensive savings by using EUI as a tool.”
- Update:
 - New Construction program exceed both electric and gas lifetime savings goals in 2021.

C&I Retrofit Initiatives

- Commitment:
 - “In 2021, the Company will launch a new Telecommunications Initiative to serve cable data companies through technical assistance and incentives, delivering savings from non-lighting as highlighted in the Market Potential Study.”
- Update:
 - The Company has clarified program processes and plans to ramp up activity in 2022.



Council Member Discussion



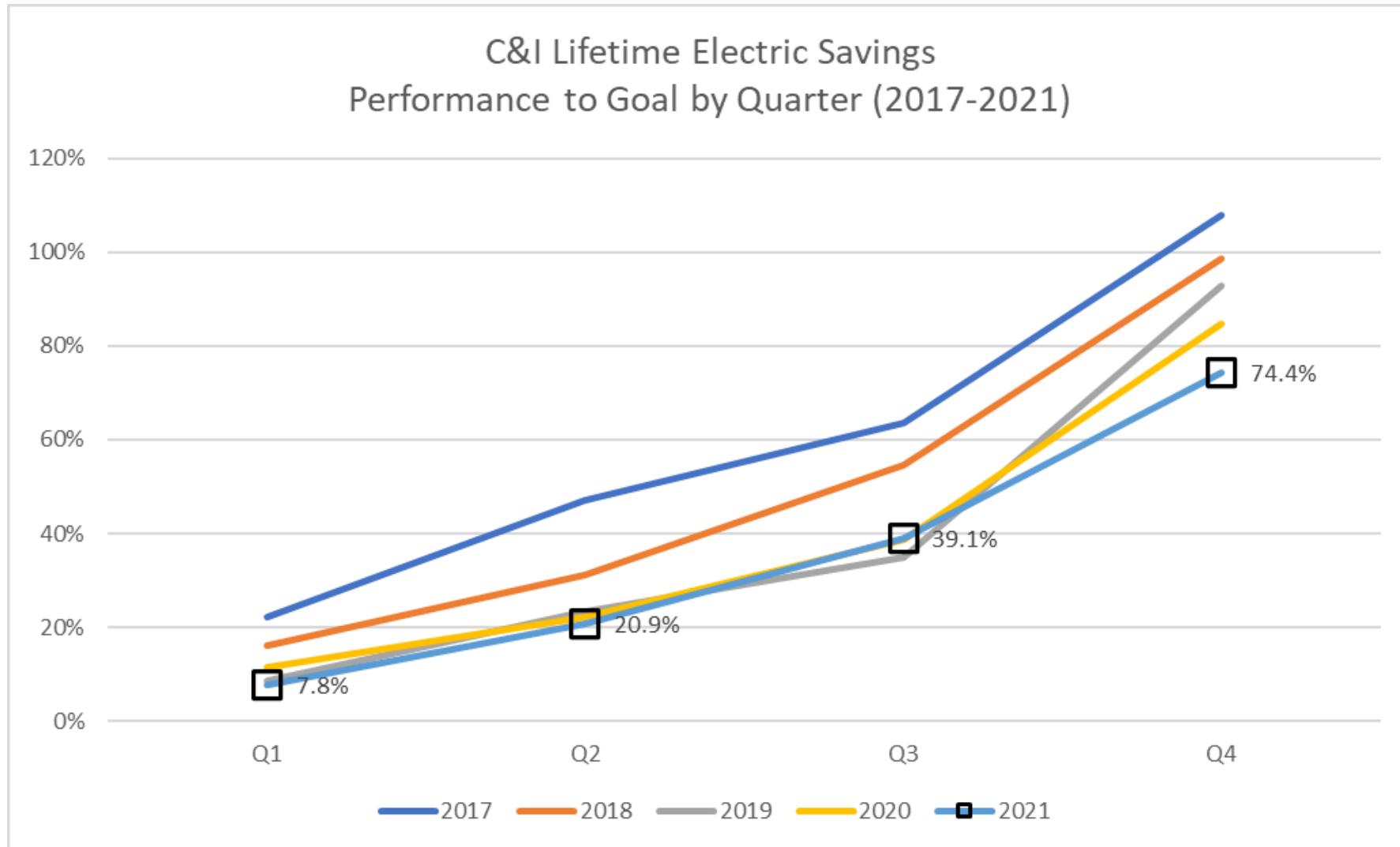


Appendix



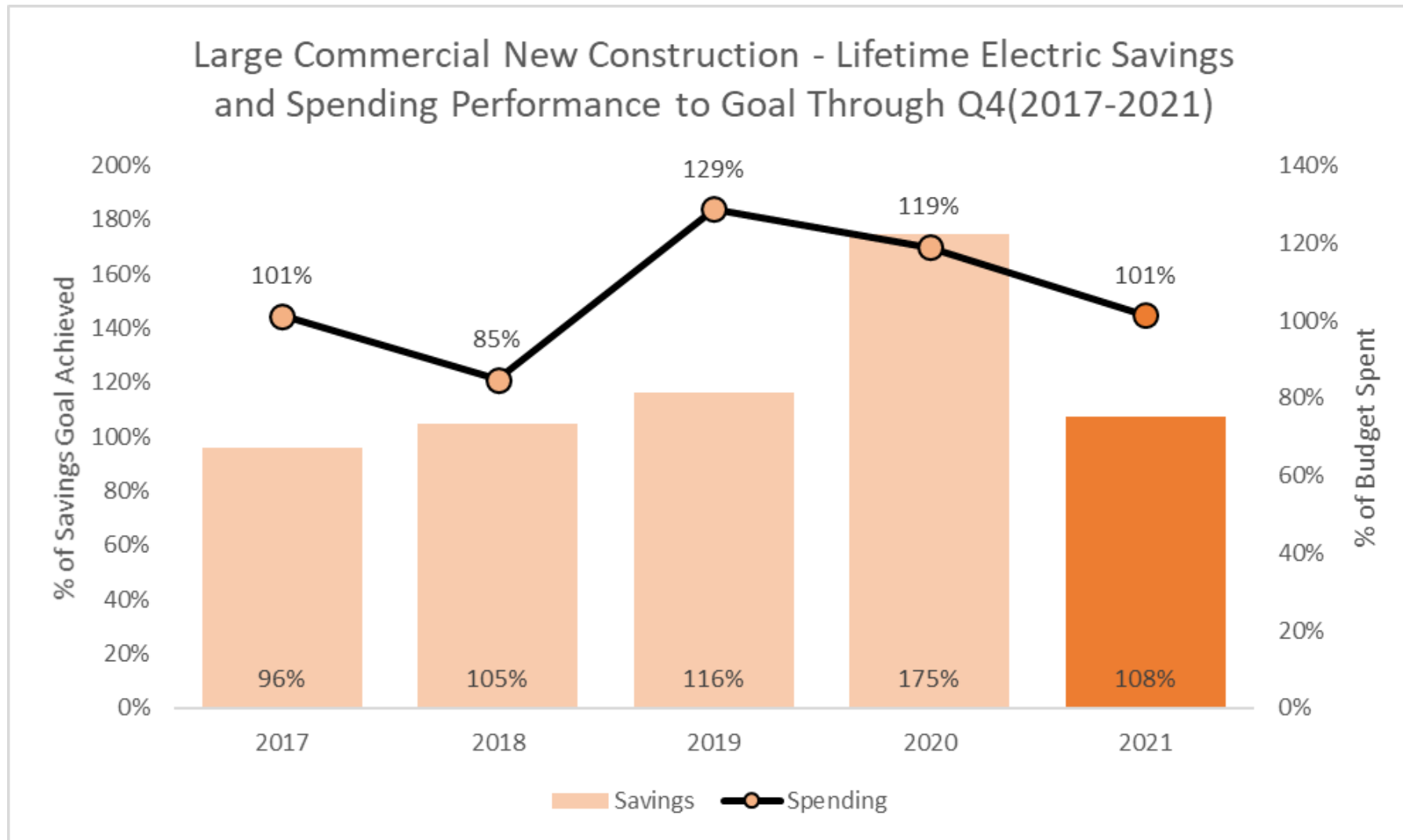


Electric C&I Forecast



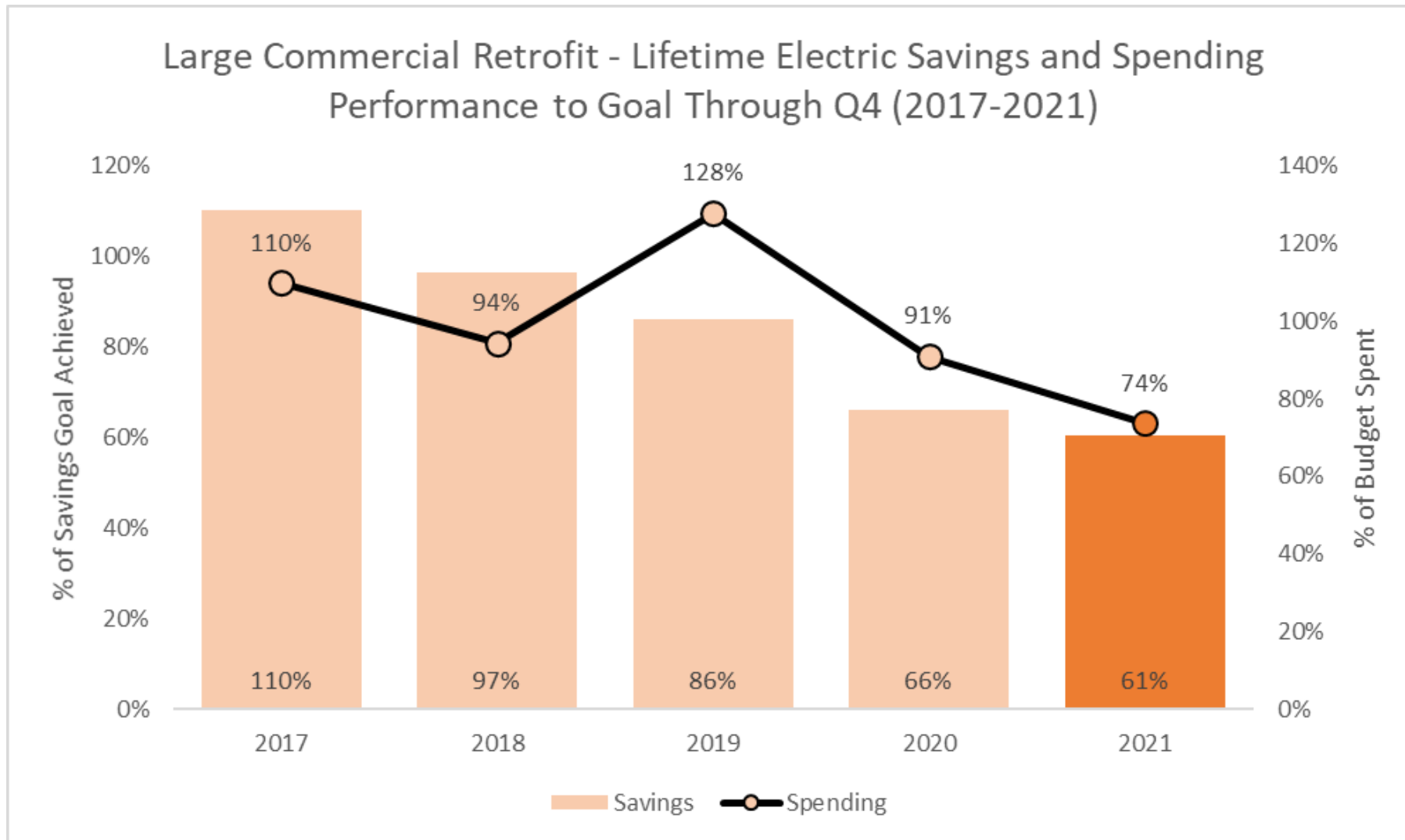


Electric C&I Programs



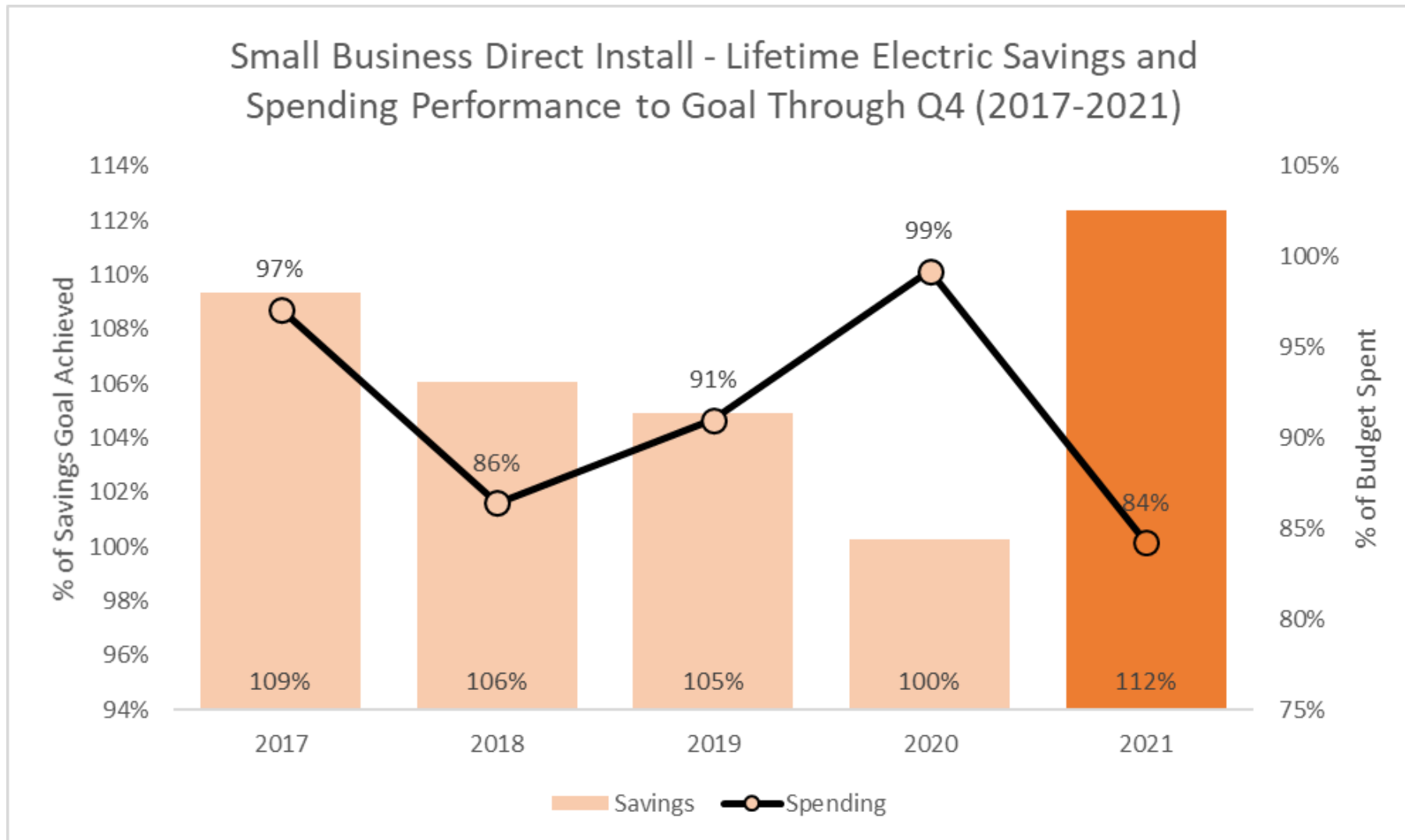


Electric C&I Programs



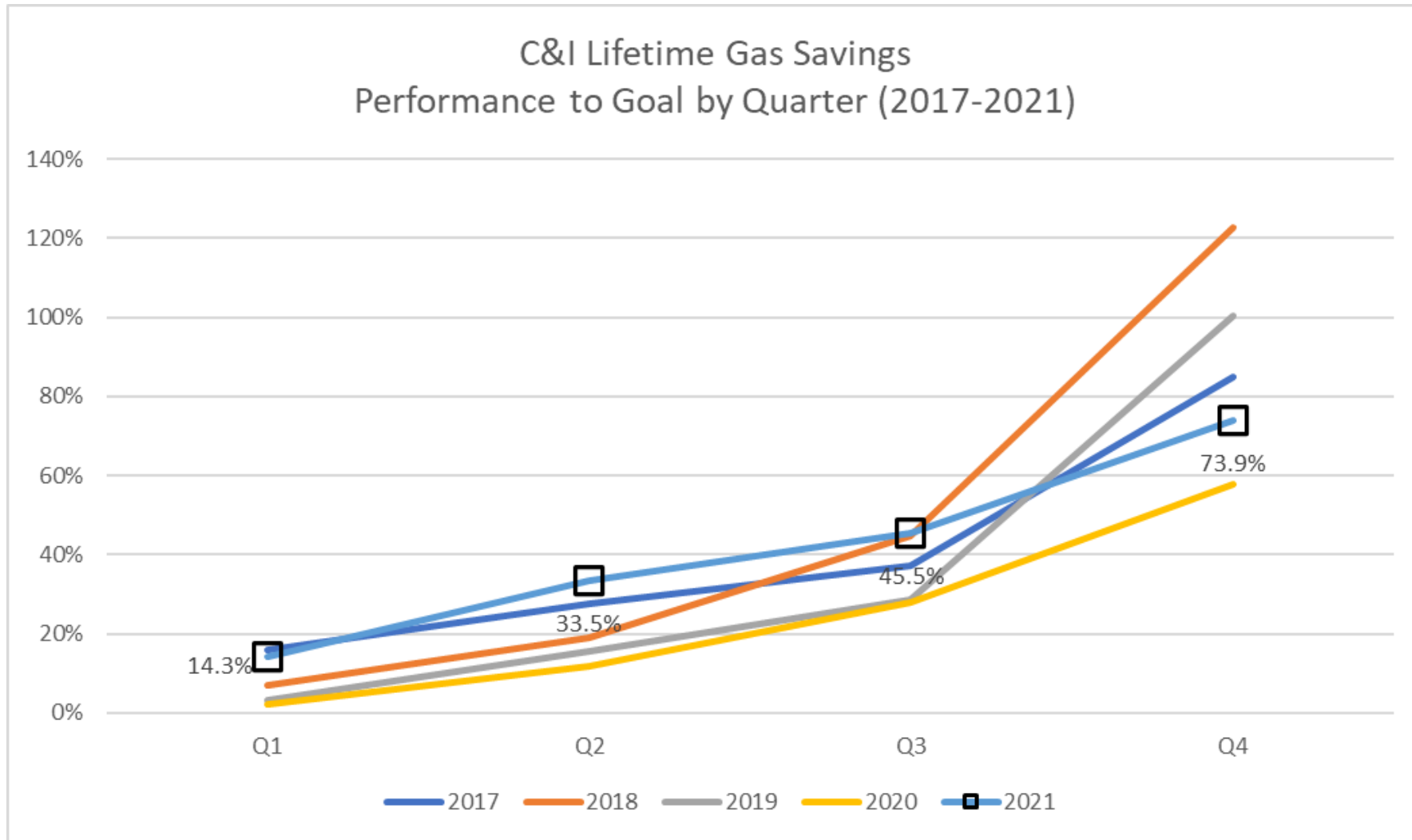


Electric C&I Programs



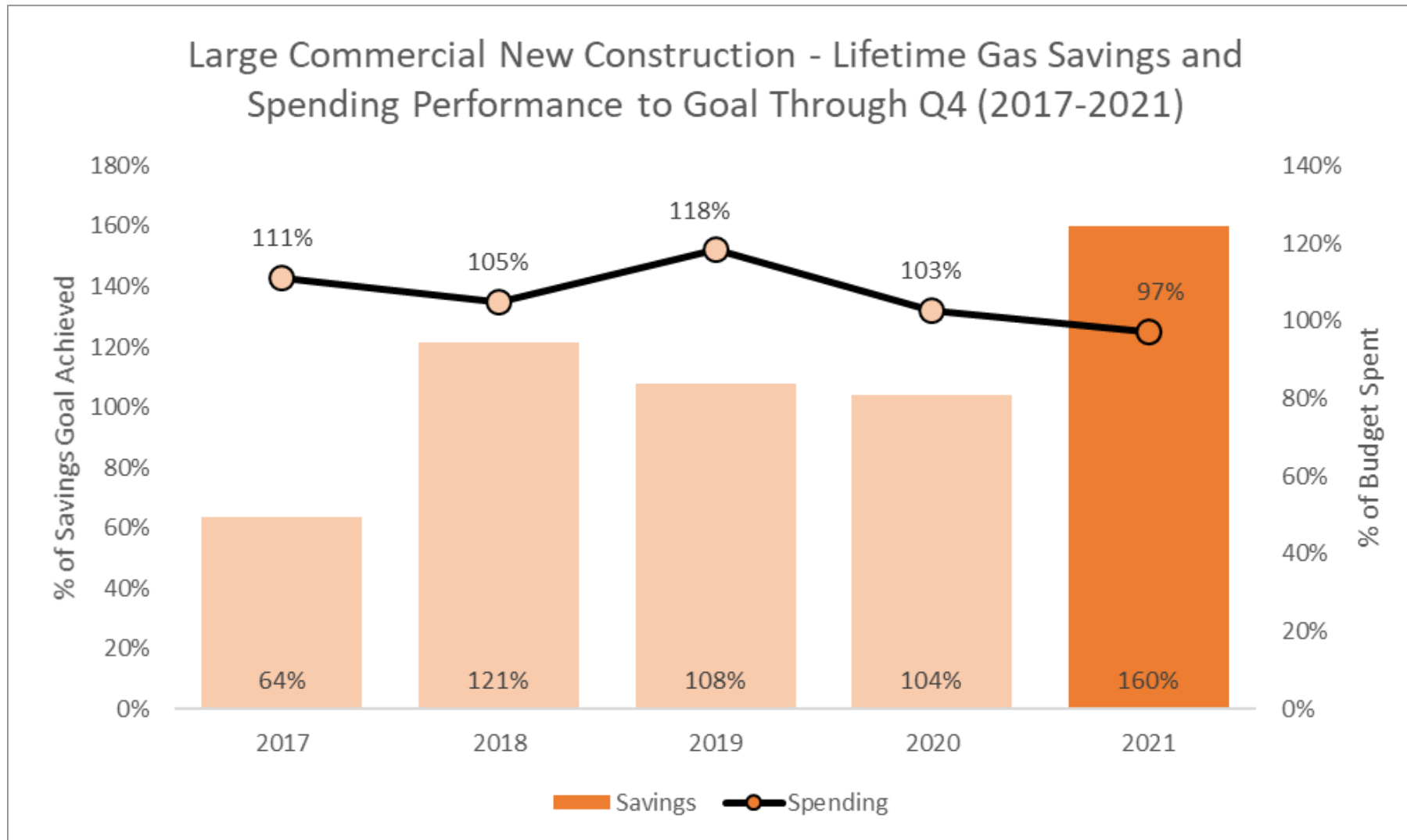


Gas C&I Forecast



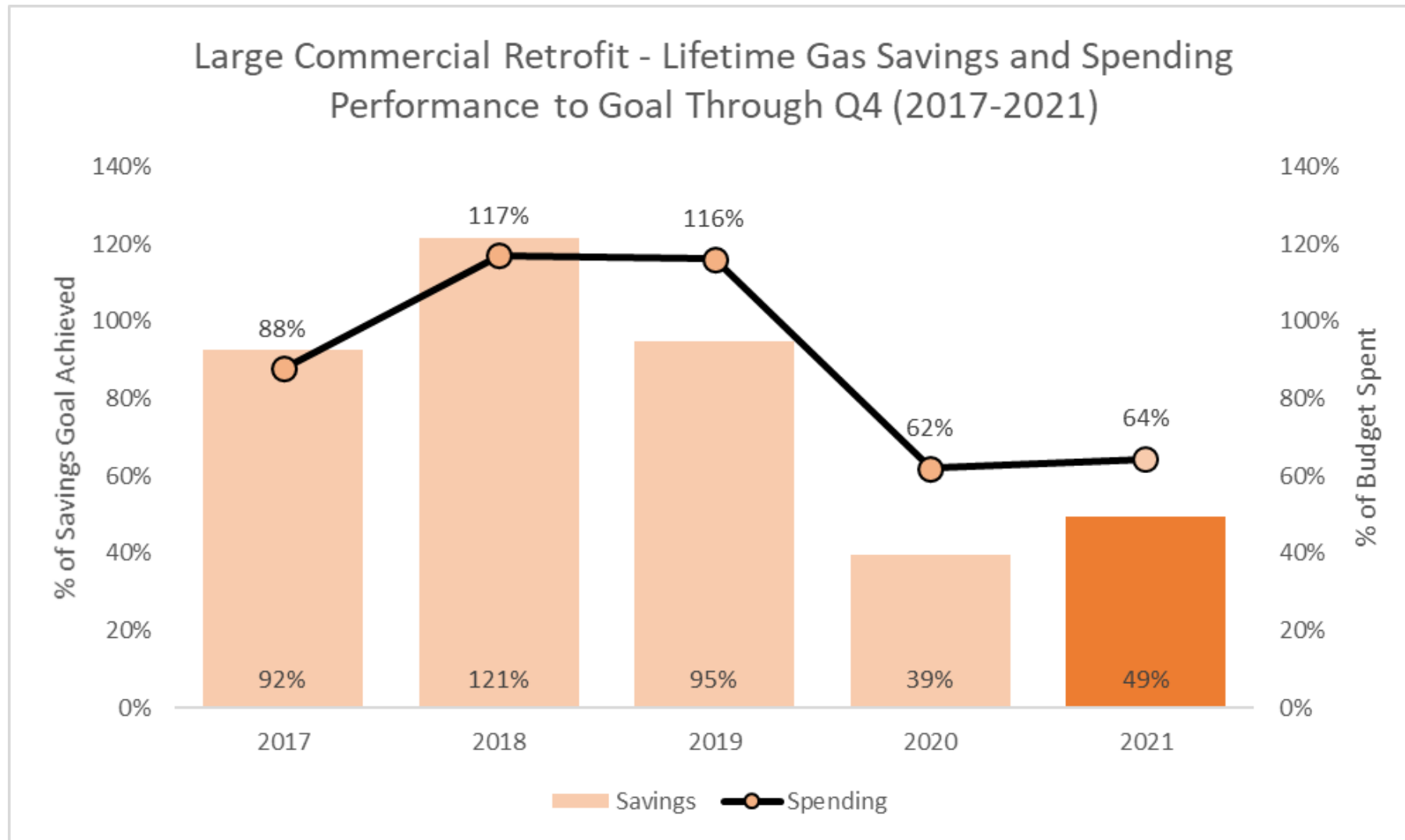


Gas C&I Programs



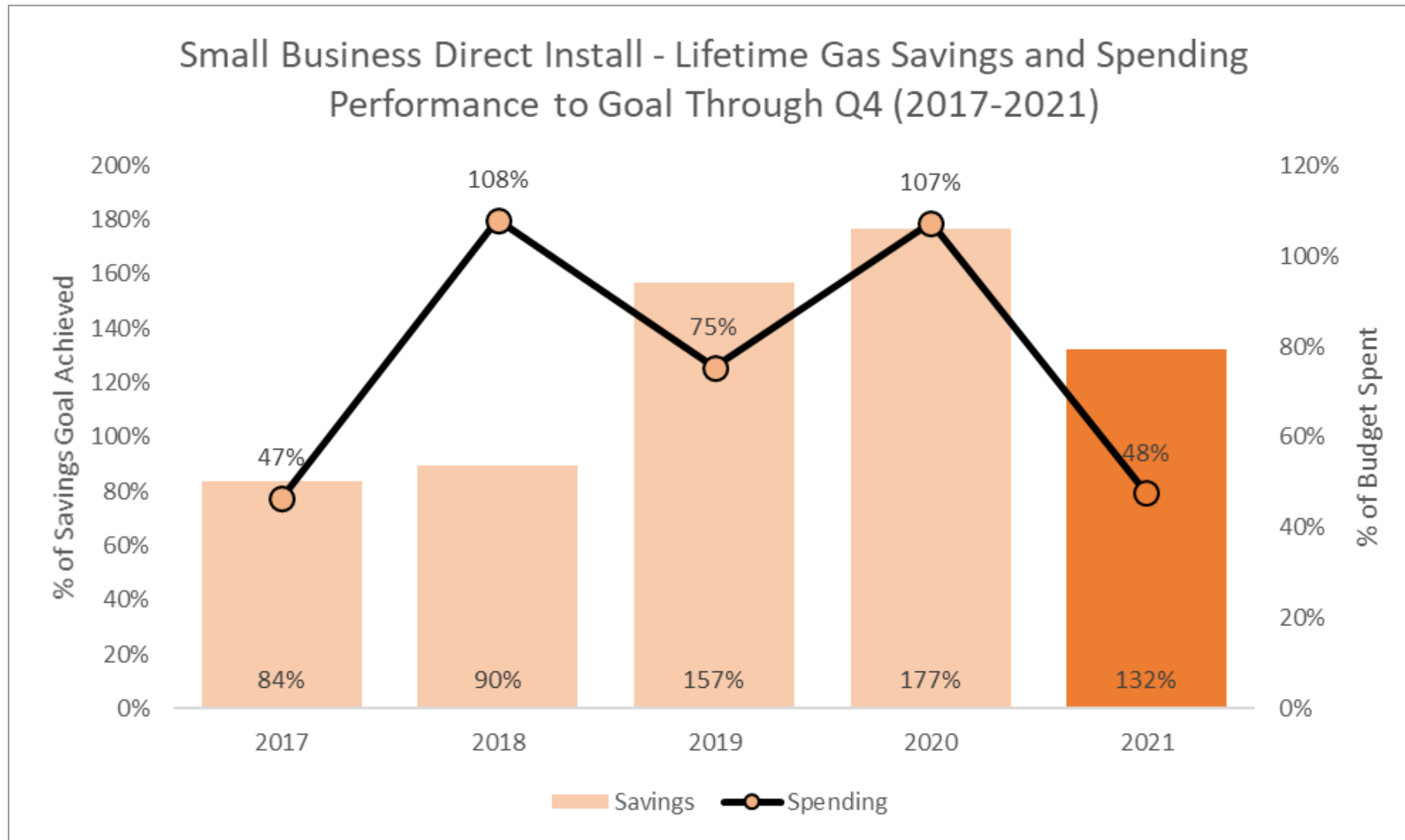


Gas C&I Programs



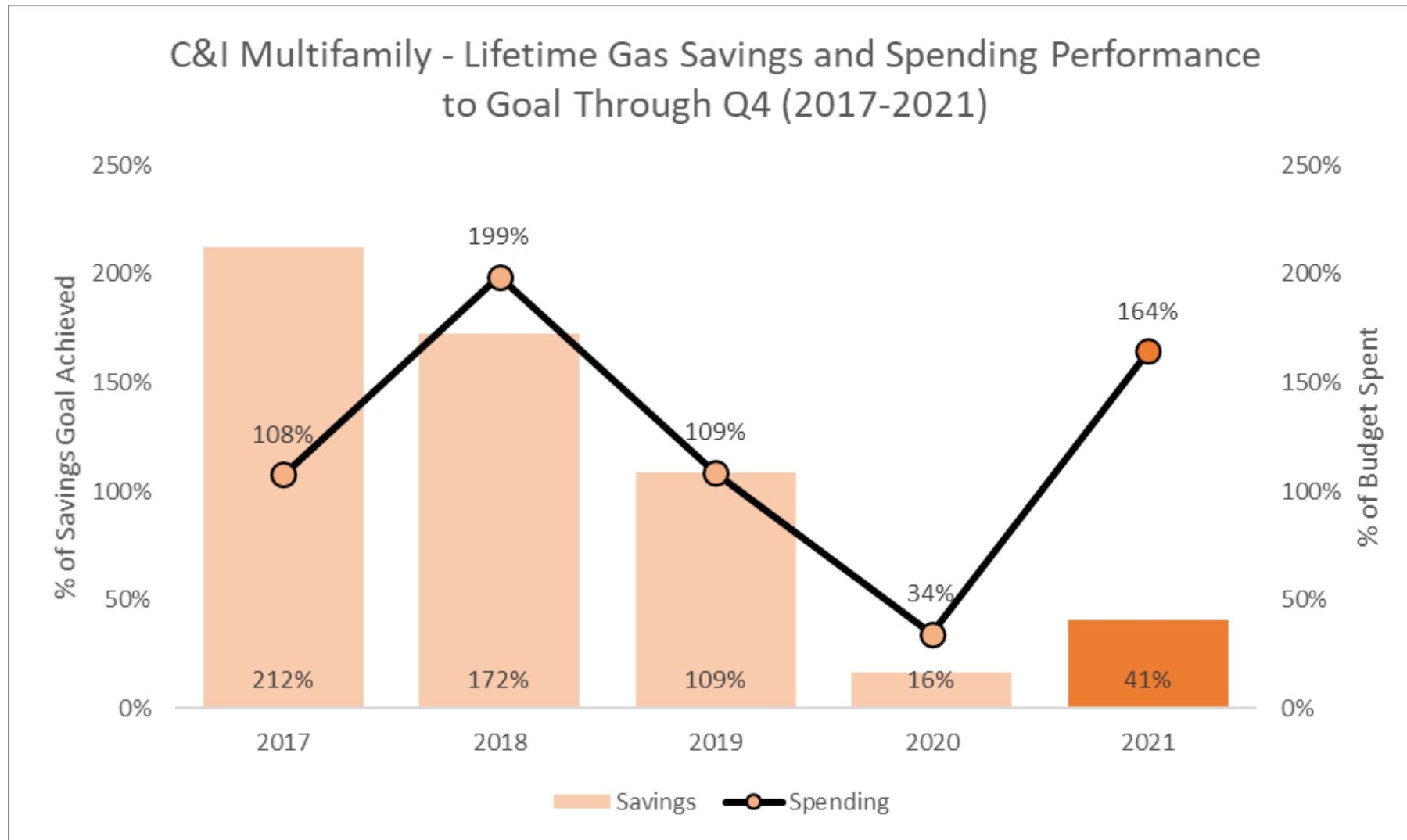


Gas C&I Programs



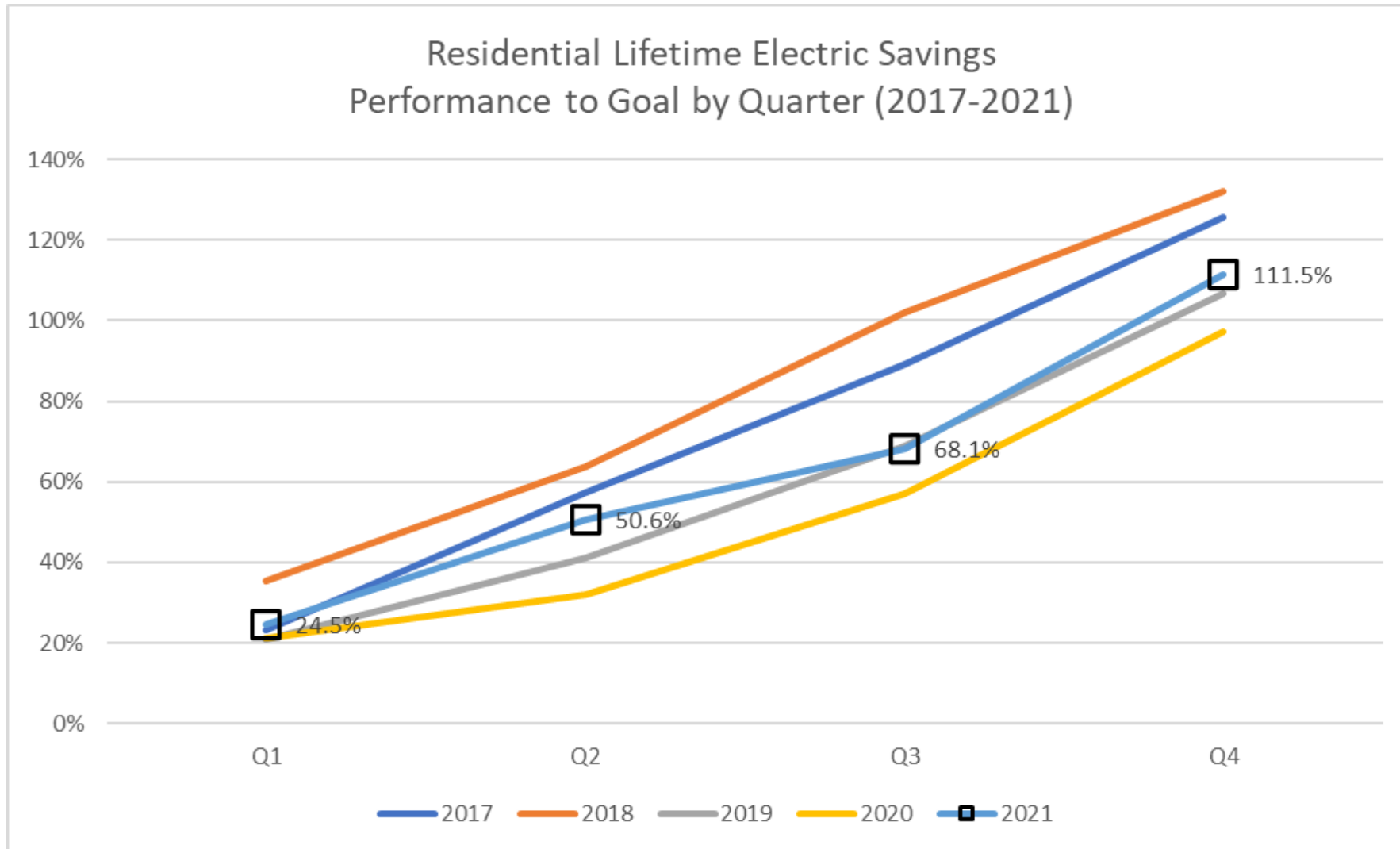


Gas C&I Programs



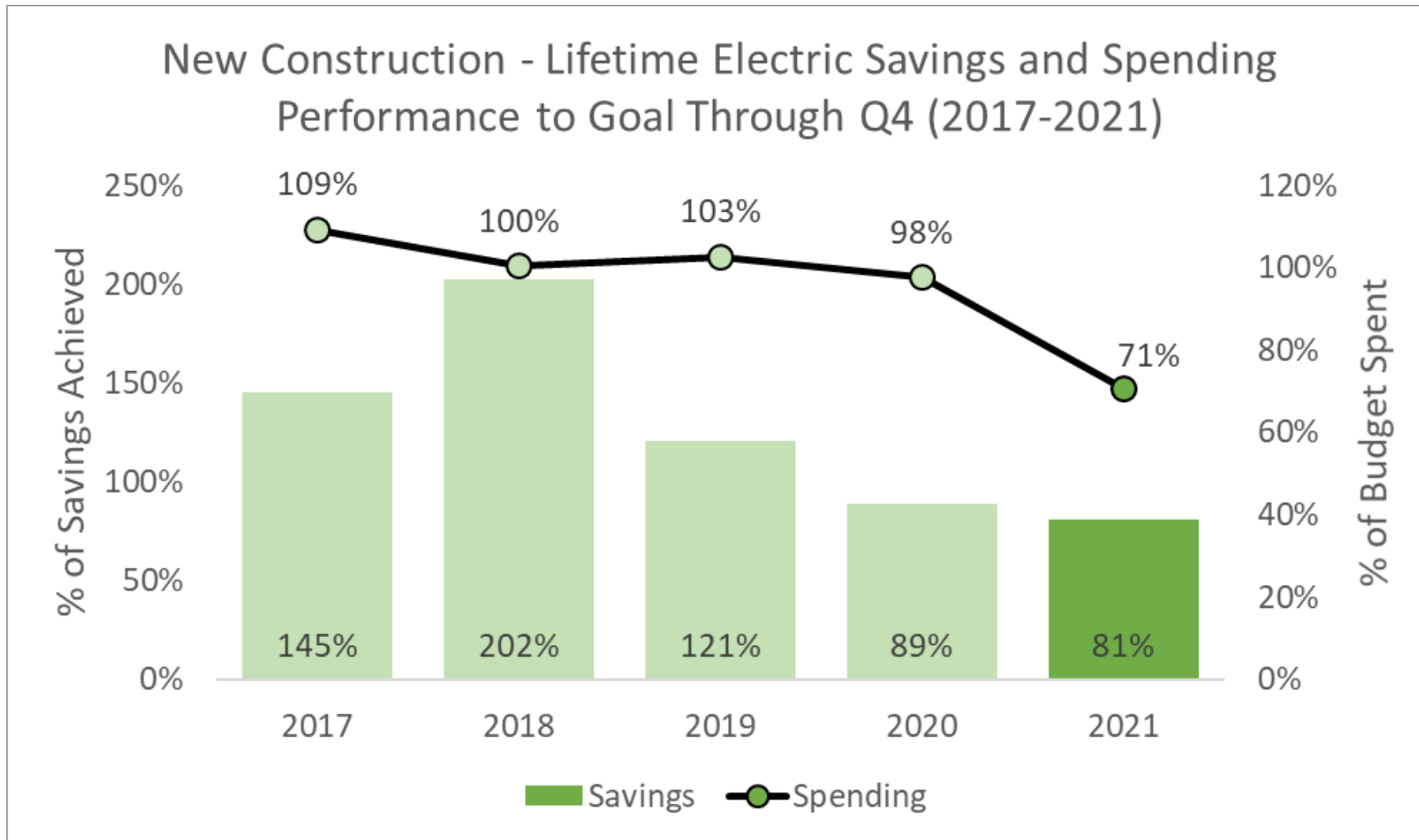


Electric Res Forecast



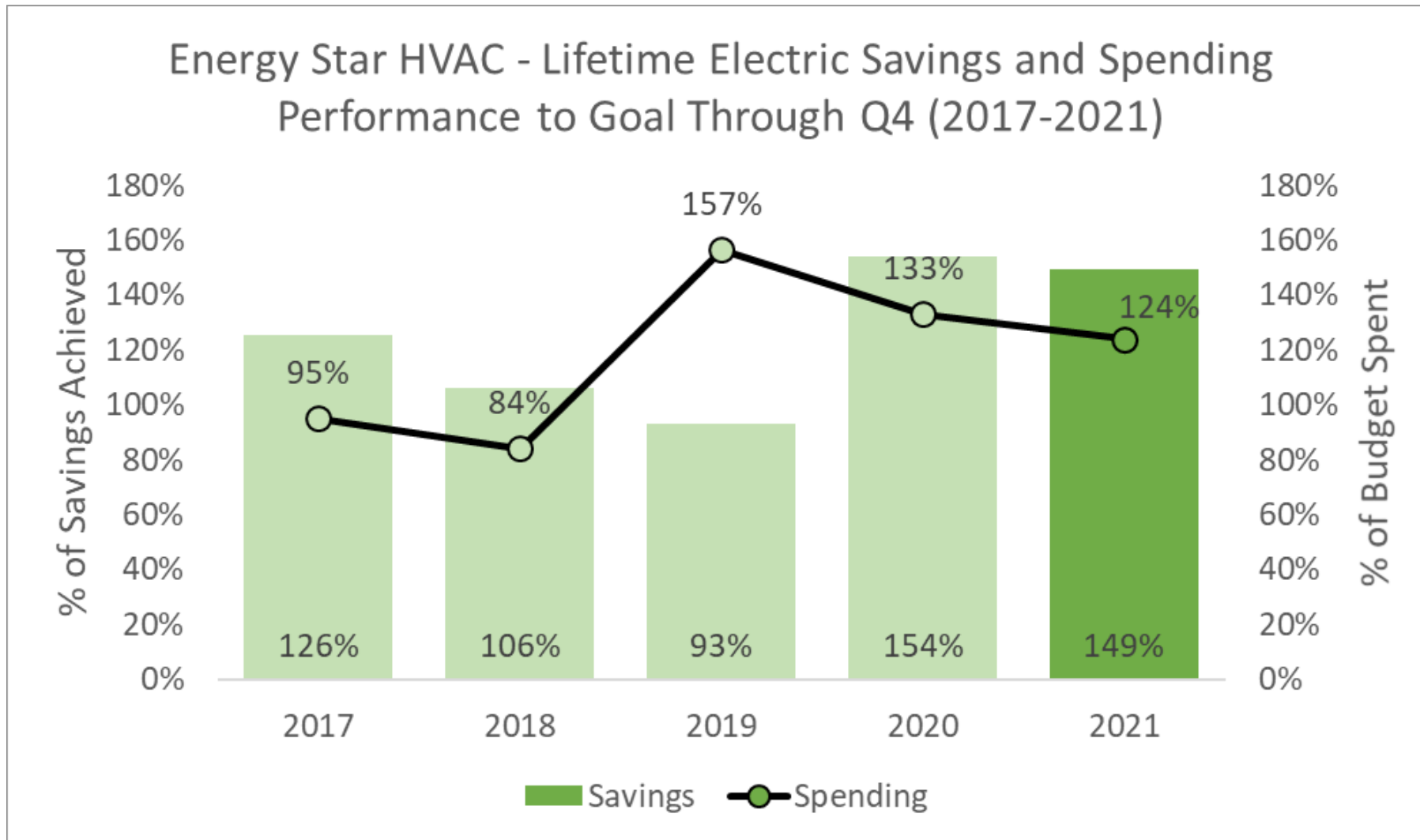


Electric Res Programs





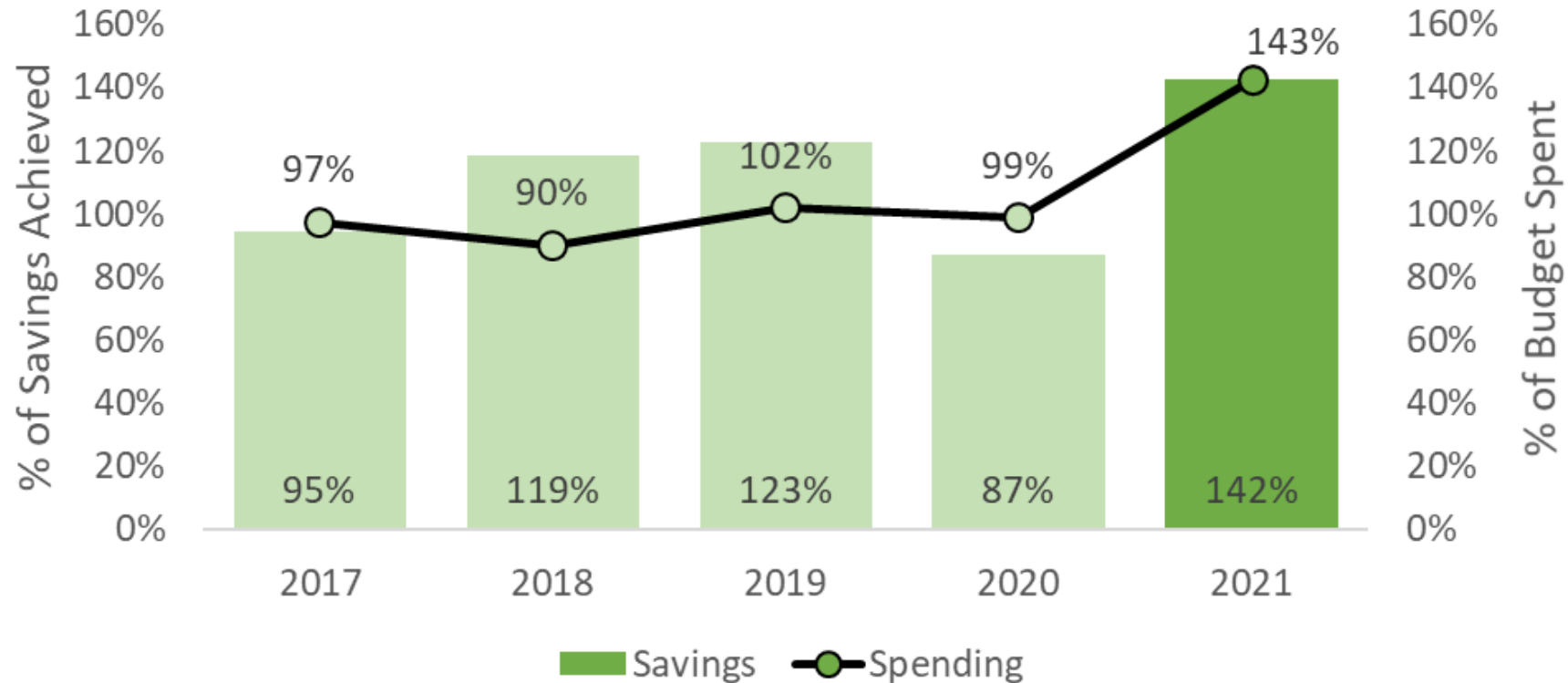
Electric Res Programs





Electric Res Programs

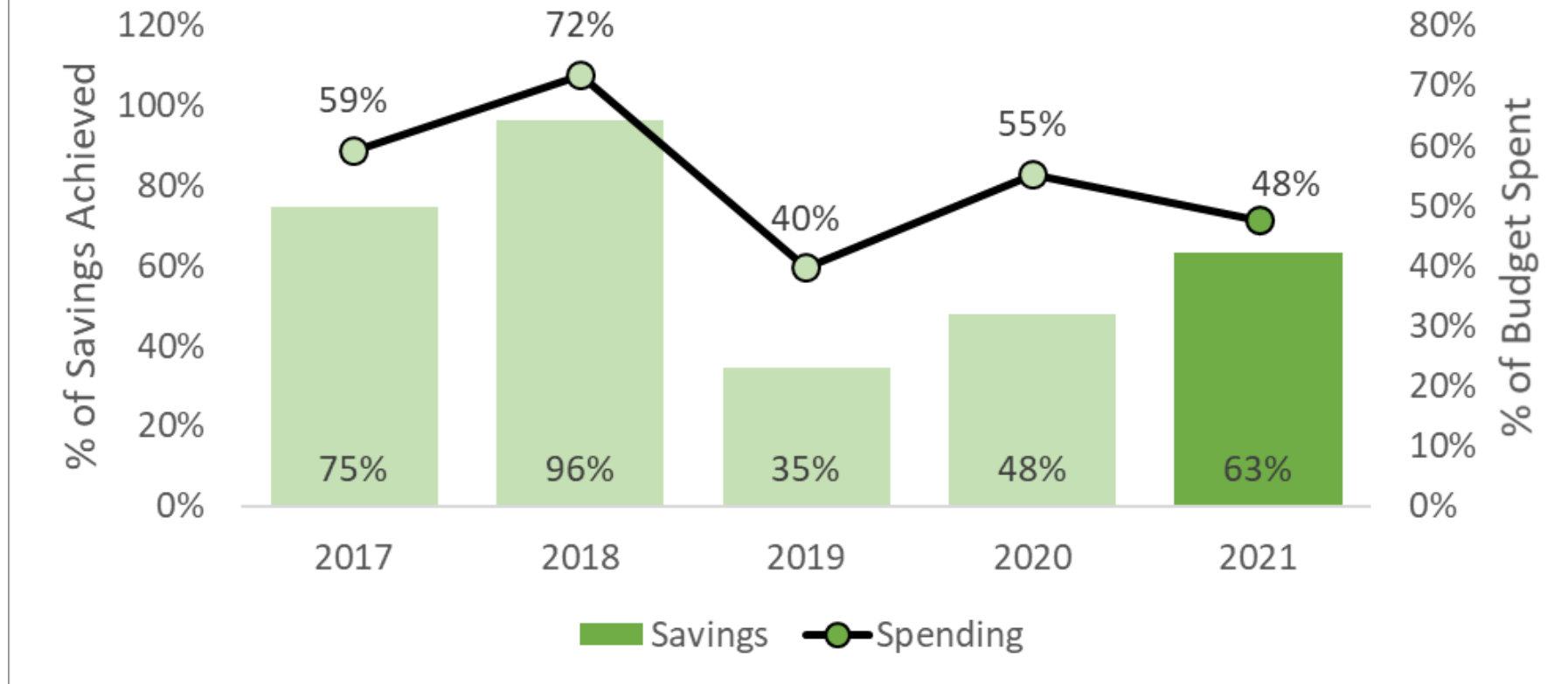
EnergyWise Single Family (1-4 Units) - Lifetime Electric Savings and Spending Performance to Goal Through Q4 (2017-2021)





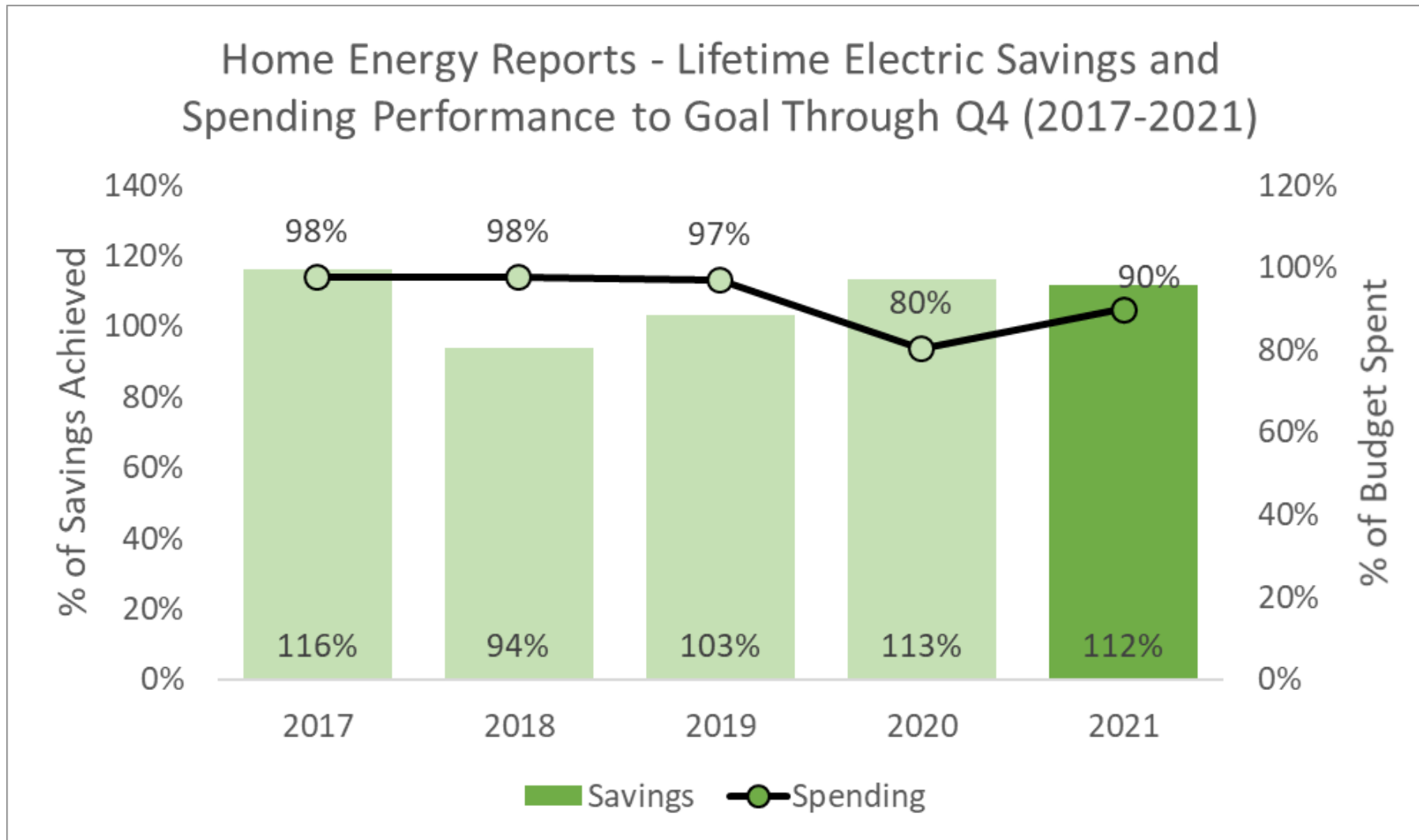
Electric Res Programs

EnergyWise Multifamily (5+ Units) - Lifetime Electric Savings and Spending Performance to Goal Through Q4 (2017-2021)





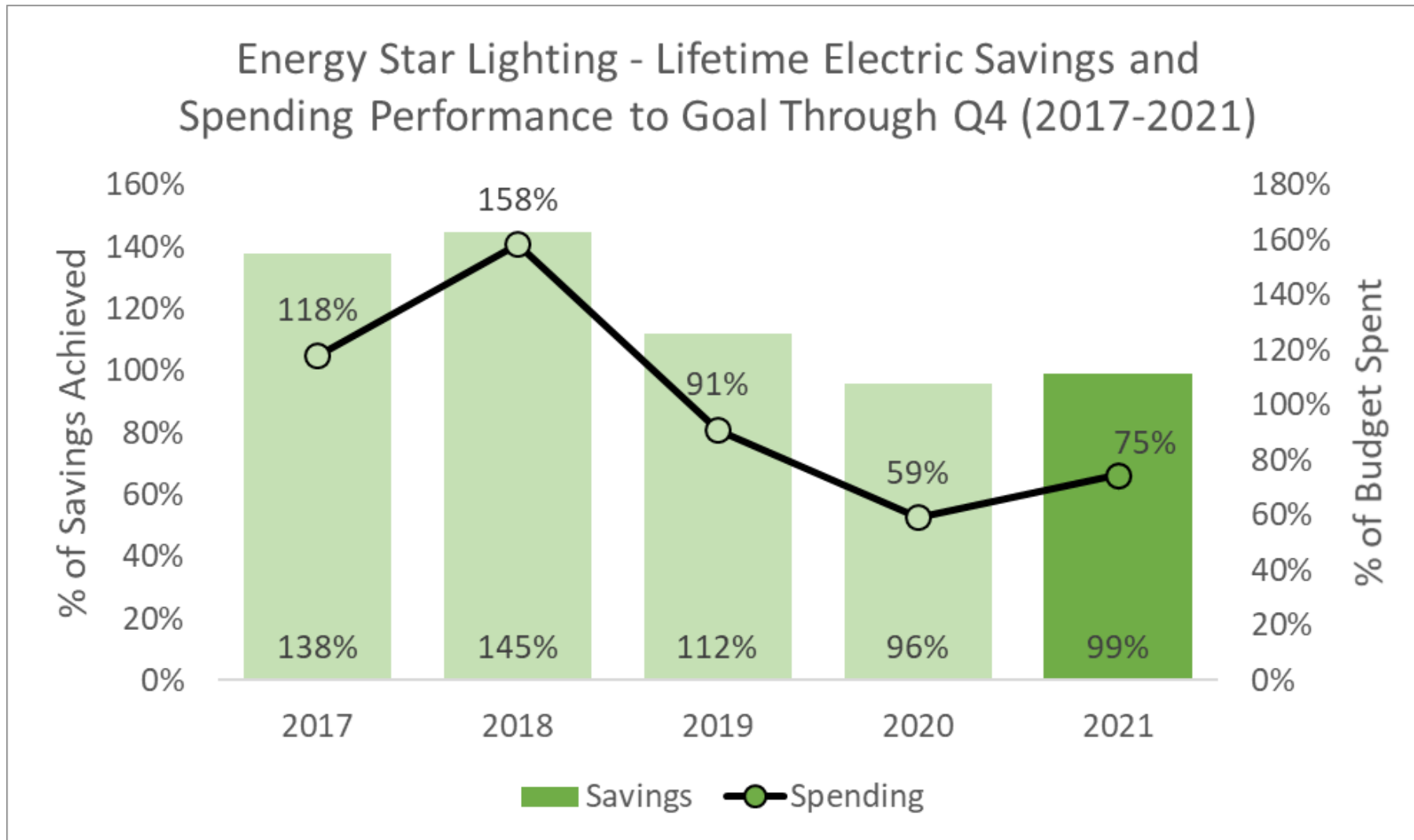
Electric Res Programs





Electric Res Programs

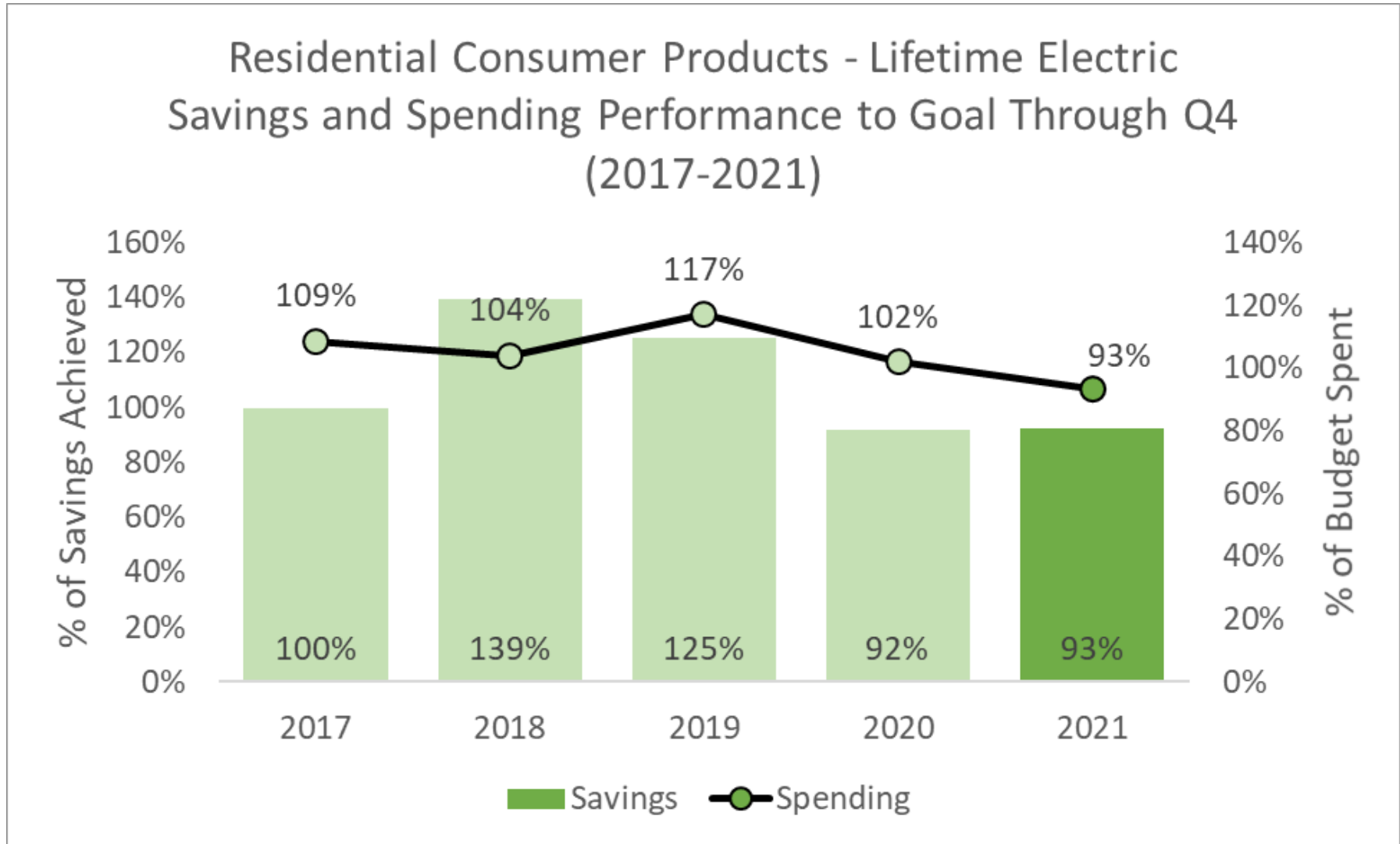
Energy Star Lighting - Lifetime Electric Savings and Spending Performance to Goal Through Q4 (2017-2021)





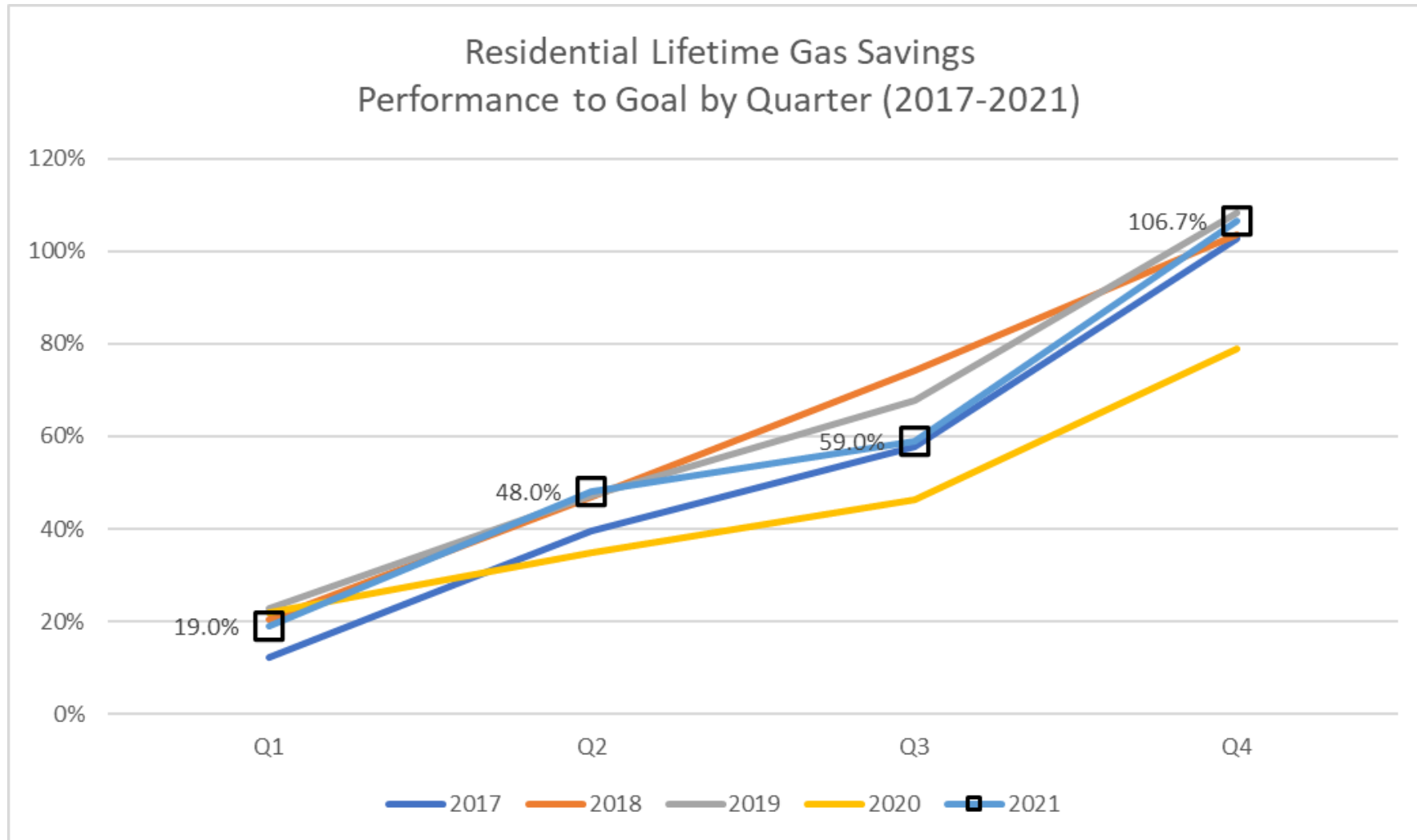
Electric Res Programs

Residential Consumer Products - Lifetime Electric Savings and Spending Performance to Goal Through Q4 (2017-2021)



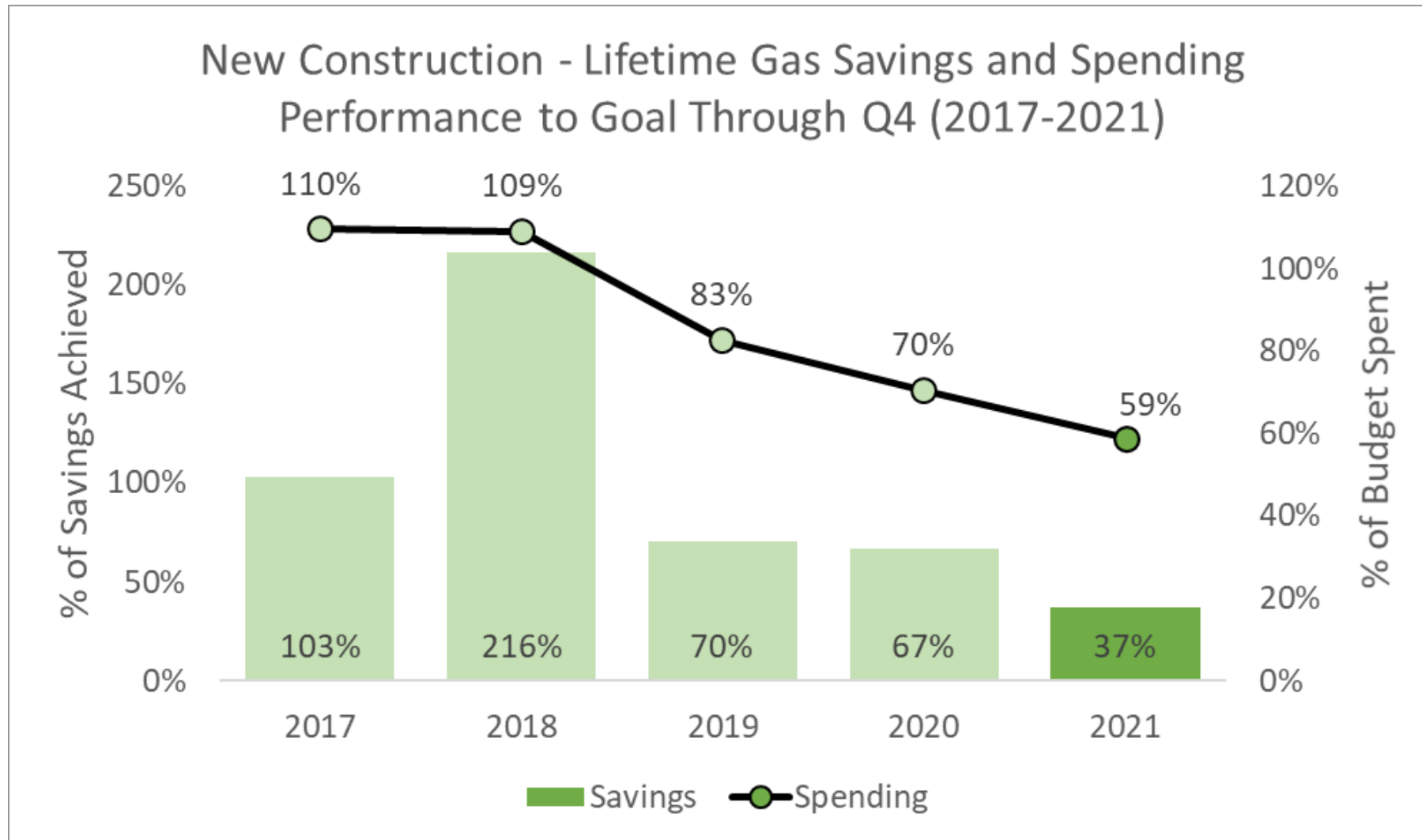


Gas Res Forecast



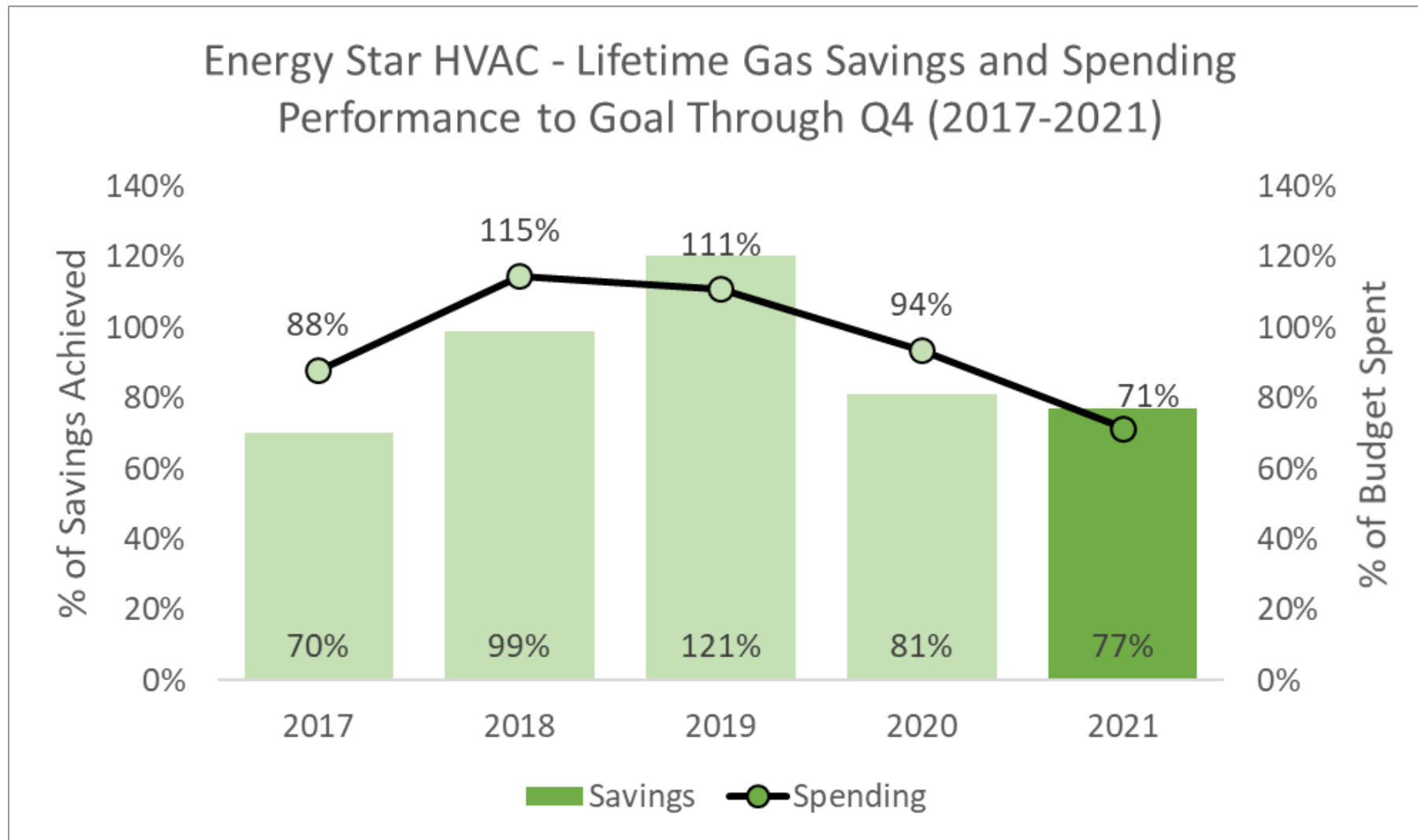


Gas Res Programs





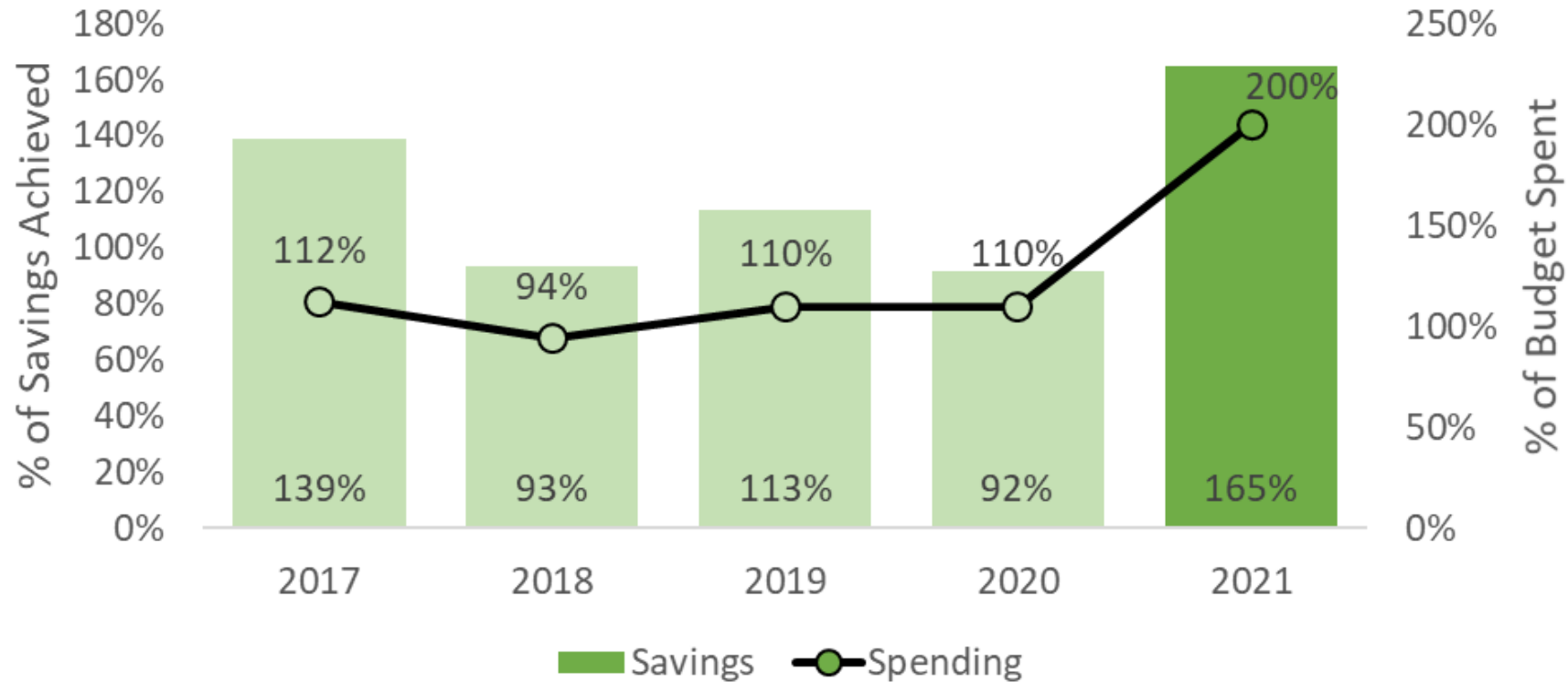
Gas Res Programs





Gas Res Programs

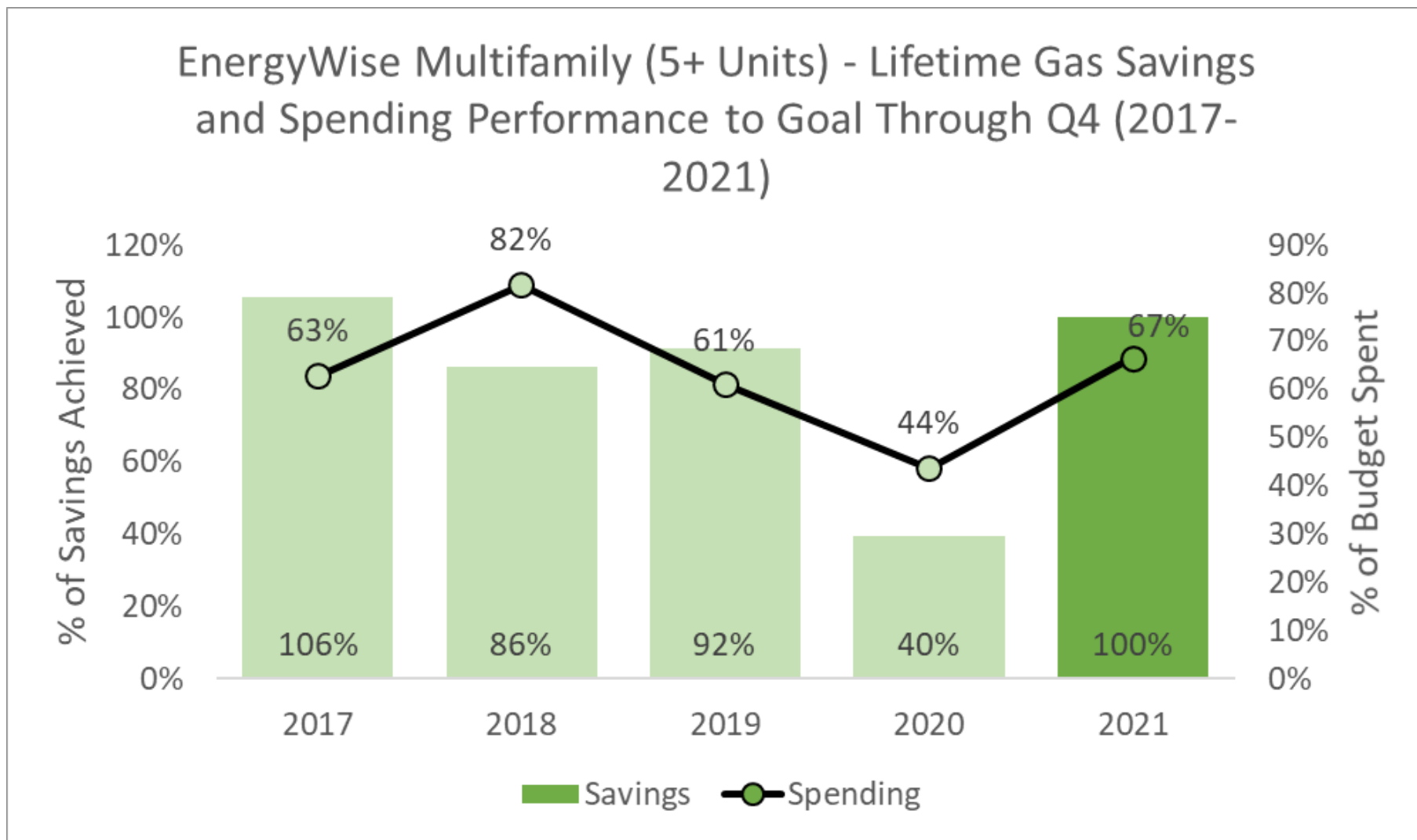
EnergyWise Single Family (1-4 Units) - Lifetime Gas Savings and Spending Performance to Goal Through Q4 (2017-2021)





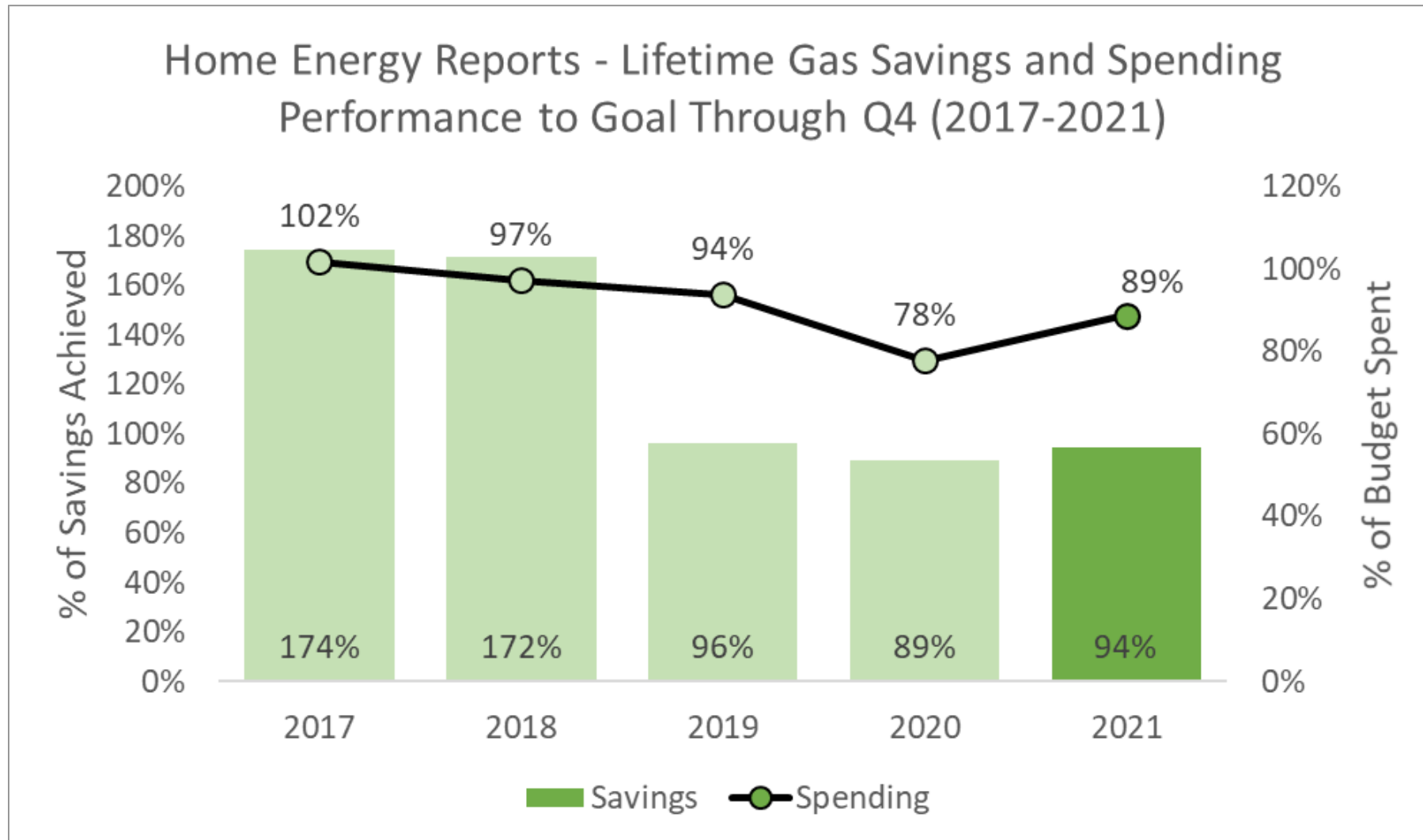
Gas Res Programs

EnergyWise Multifamily (5+ Units) - Lifetime Gas Savings and Spending Performance to Goal Through Q4 (2017-2021)



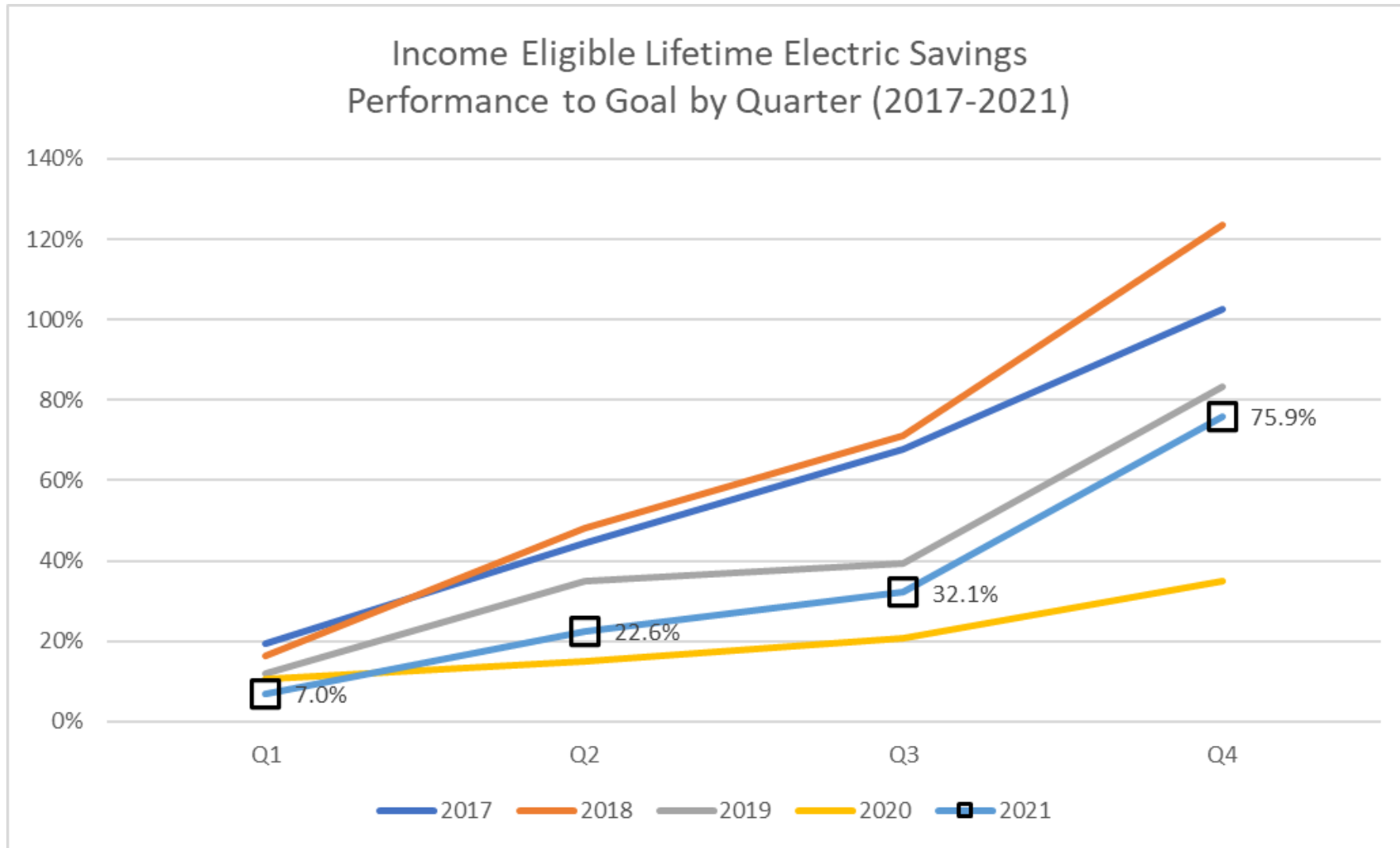


Gas Res Programs



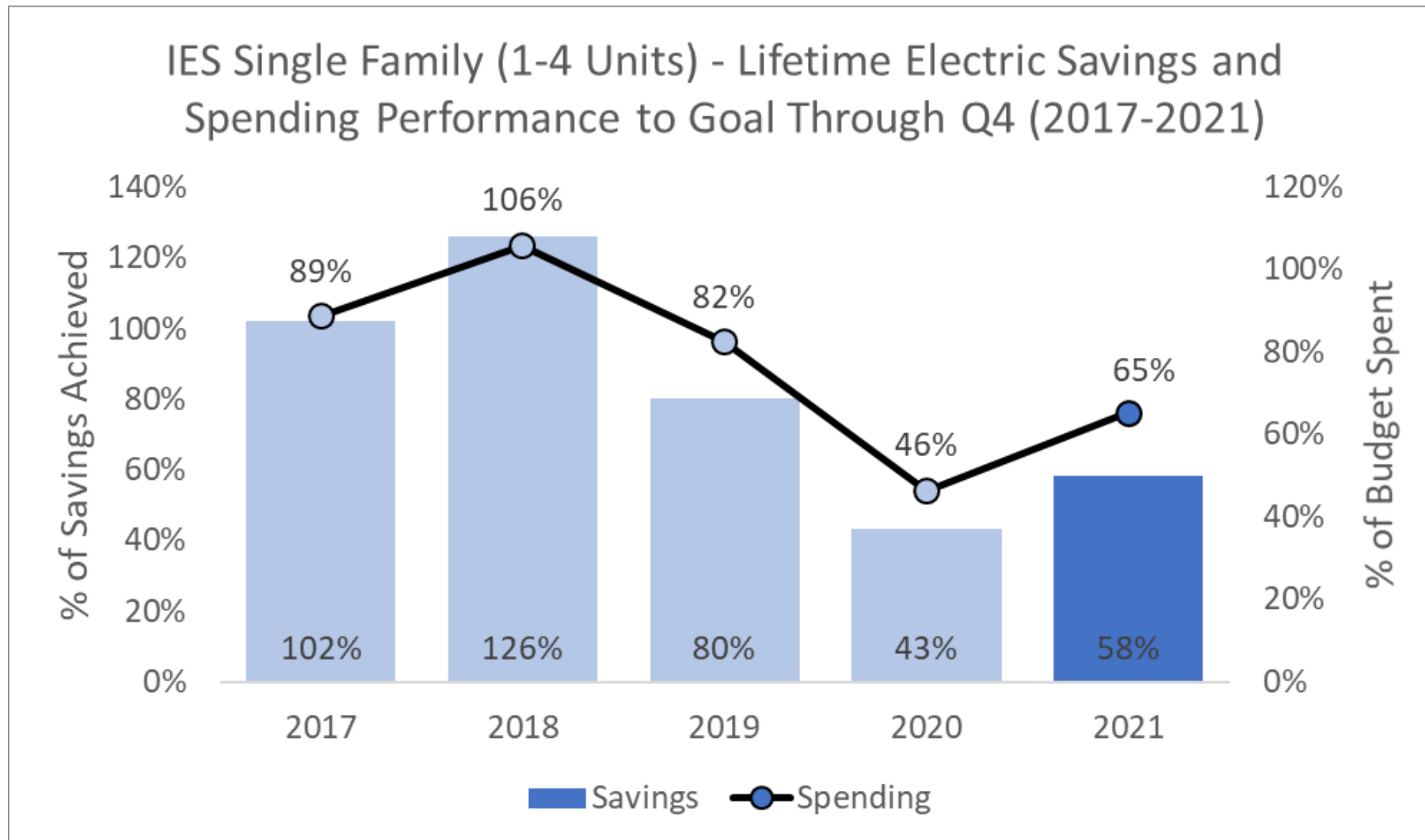


Electric IE Forecast



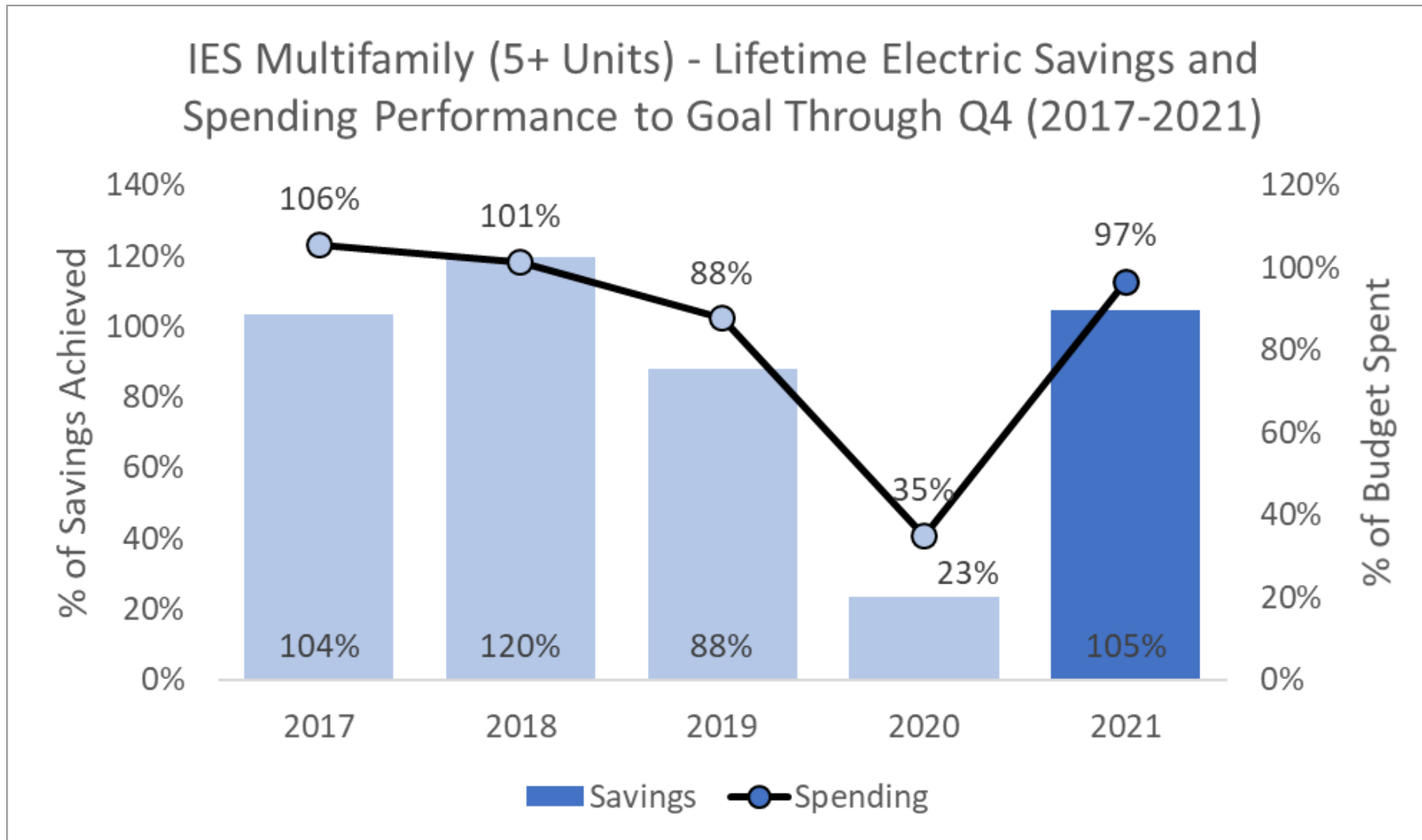


Electric IE Programs



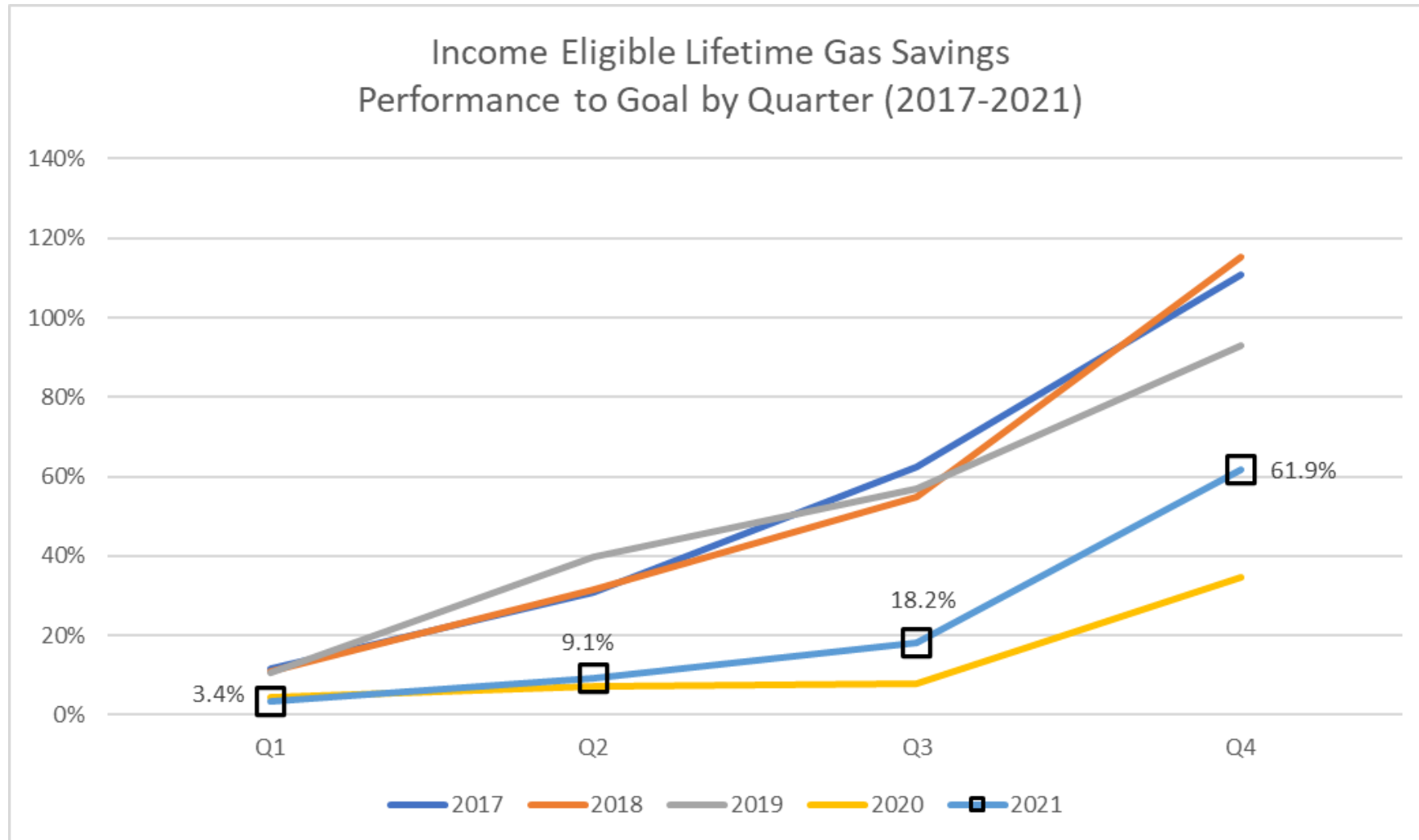


Electric IE Programs



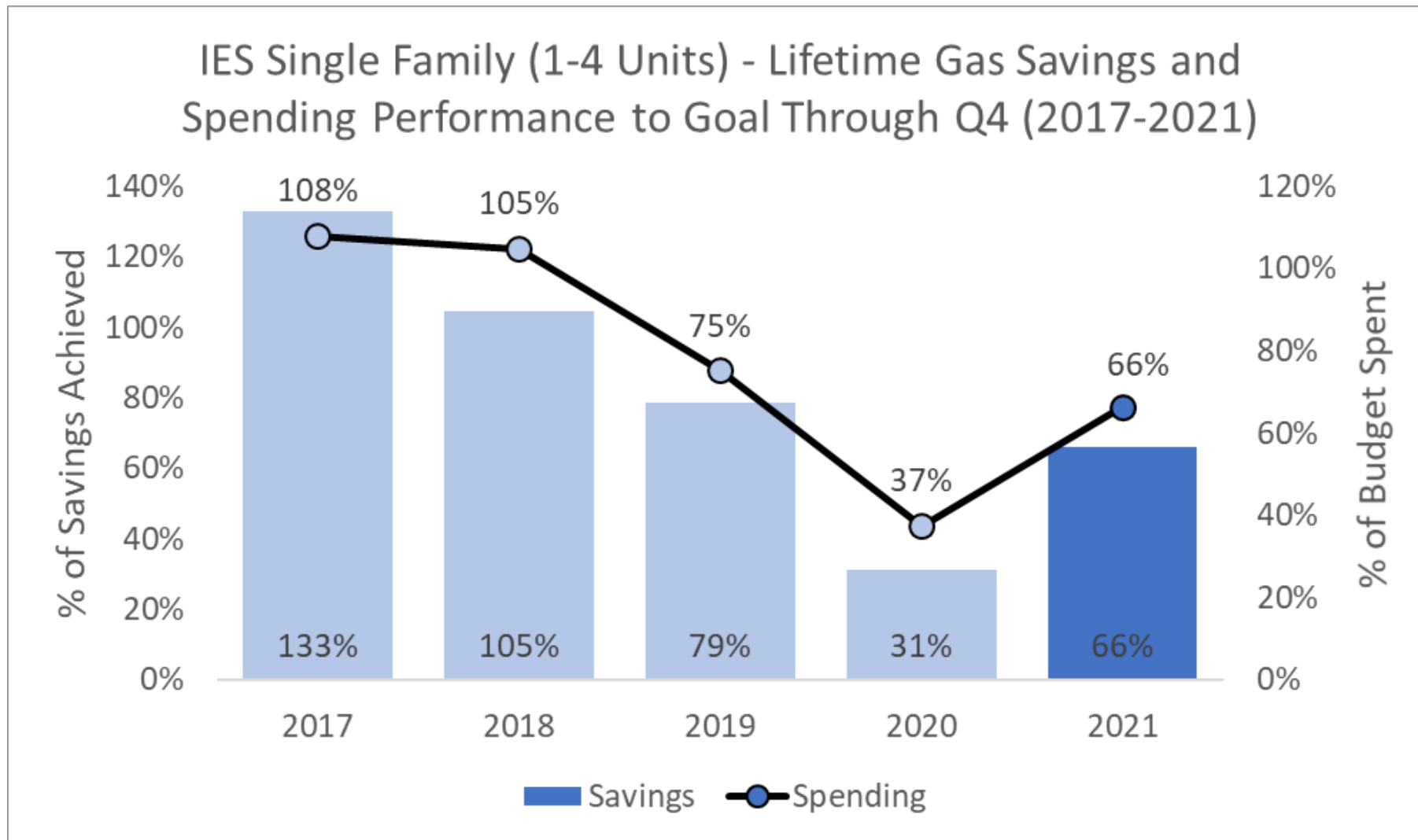


Gas IE Forecast





Gas IE Programs





Gas IE Programs

