



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

CONSULTANT TEAM

national**grid**

2022 First Quarter Results Update

Presented to the EERMC By:
EERMC Consulting Team
National Grid

Date: May 19, 2022





Outline

Portfolio Performance

Consultant Team Select Program Highlights

National Grid Sector Highlights

Update on 2022 Plan Commitments

Discussion

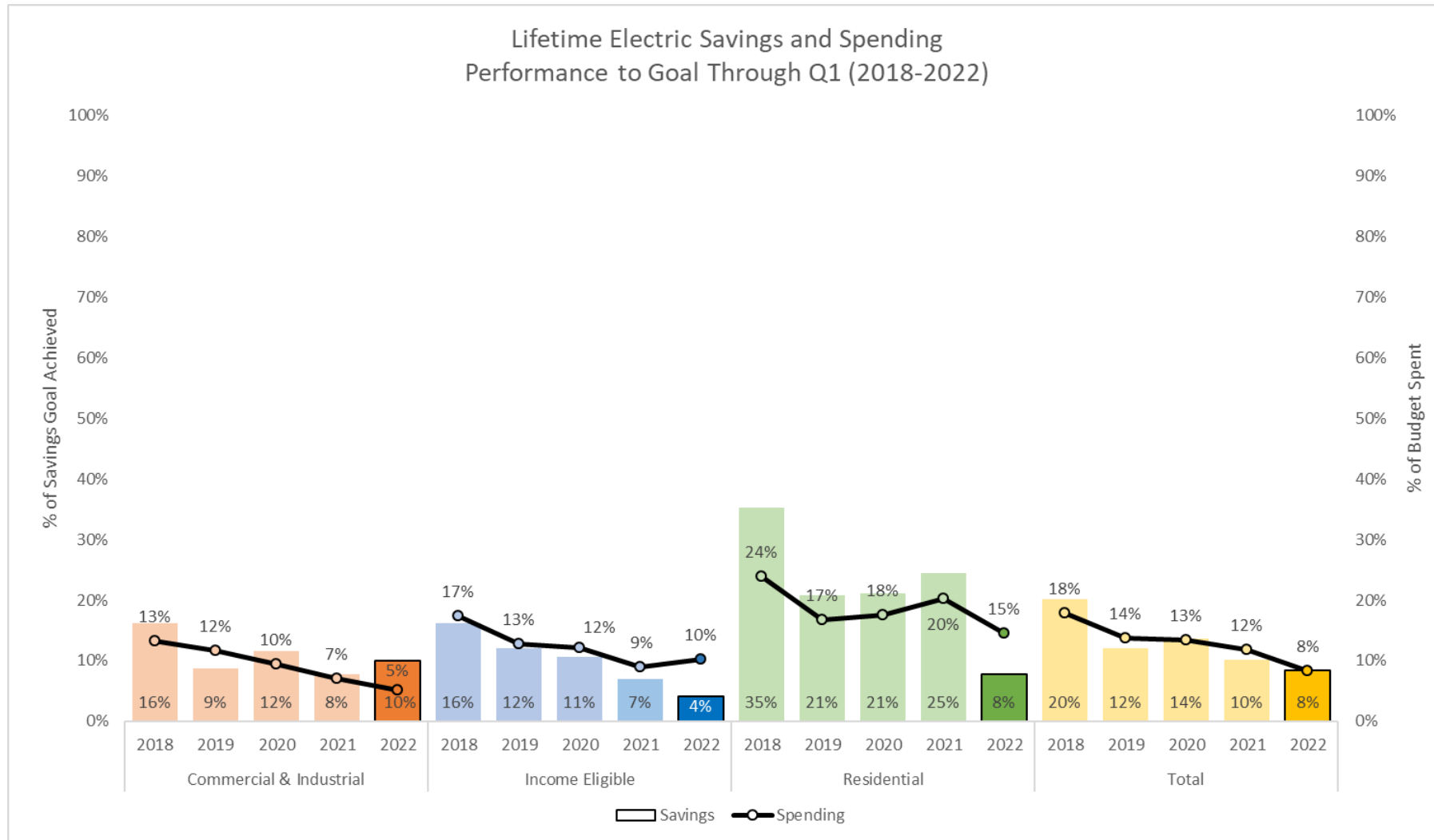


PORTFOLIO PERFORMANCE



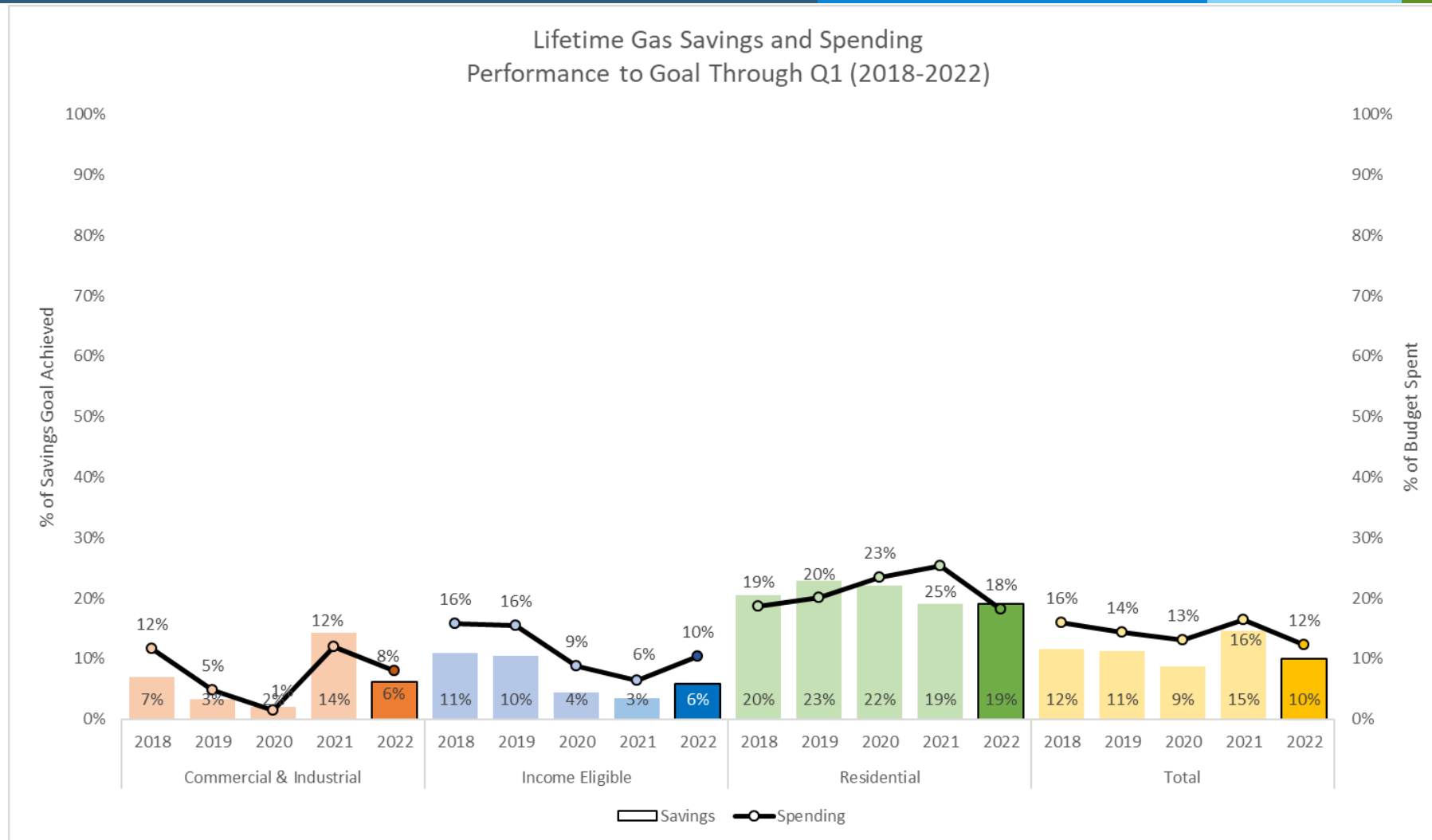


Electric Performance





Gas Performance





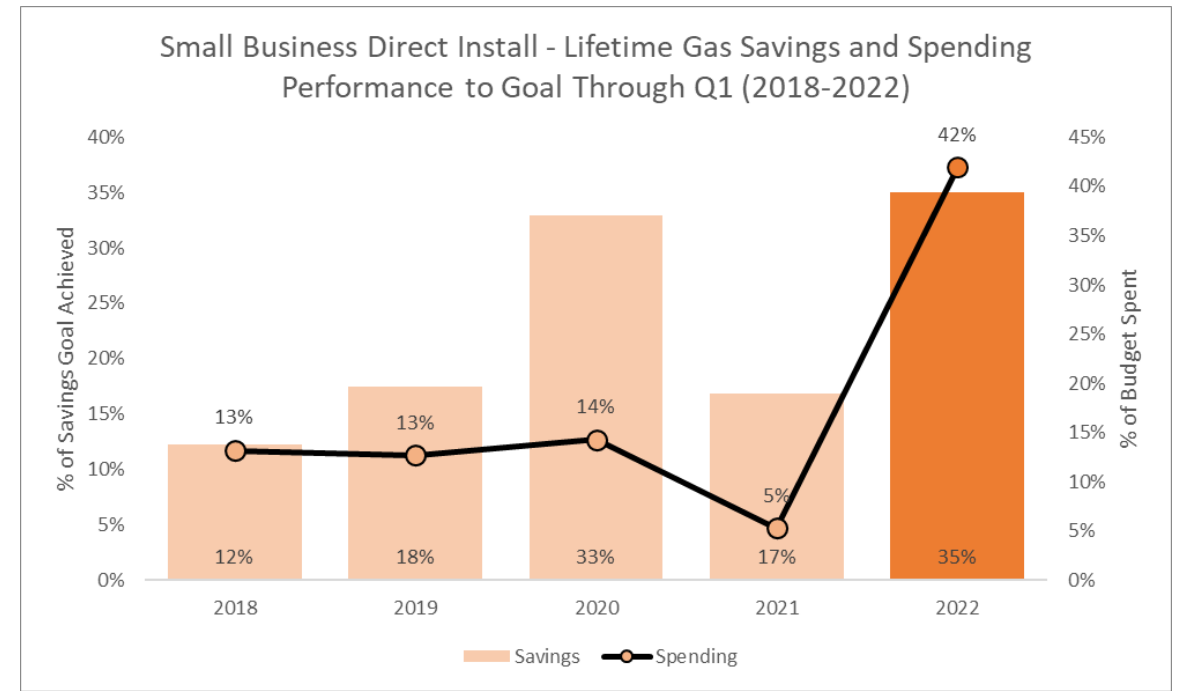
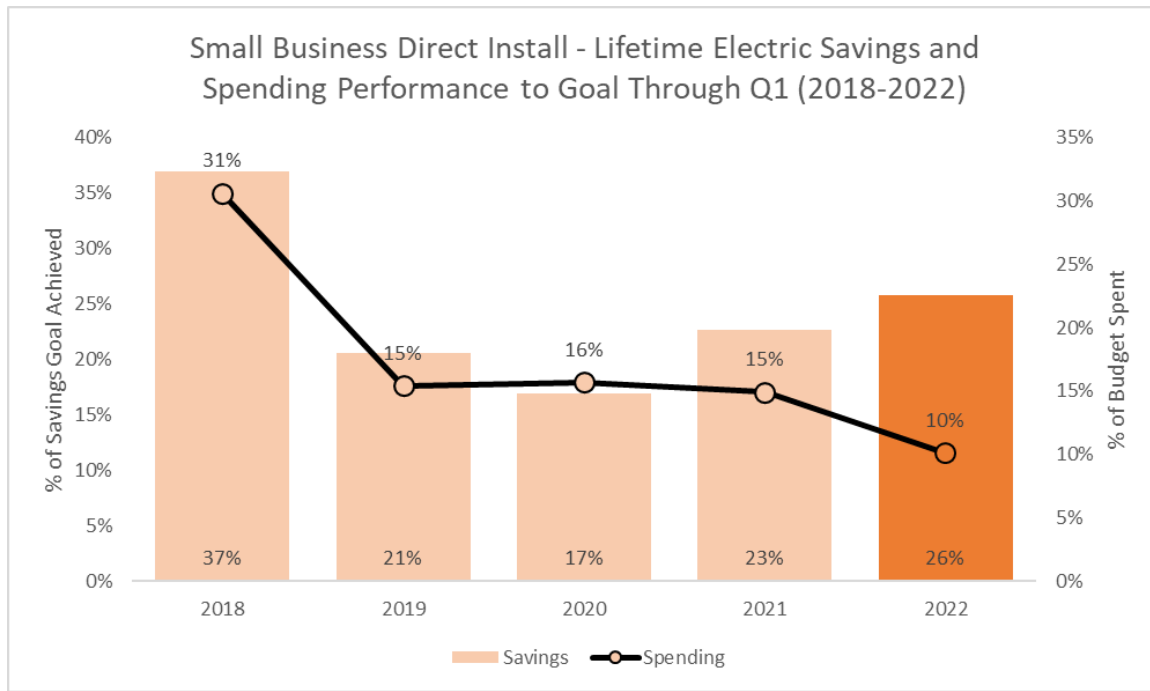
SELECT PROGRAM HIGHLIGHTS





Commercial & Industrial Updates

- Small Business programs on good pace, continuing strong performance from 2021. Gas savings heavily driven by Envelope measures





C&I Plan Deep Dive Meetings

Small Business Direct Install Implementation & Weatherization Offerings

Date: TBD

Topics:

- Supply chain delays and other implementation issues for Small Business
- Weatherization measures, incentives, and delivery strategy
- Heat pumps and other HVAC measures in small business
- Equity considerations for Small Business program delivery

Retro-commissioning (RCx)/Monitoring-based Commissioning (MBCx) and Energy Management Systems

Date: Tuesday June 14th

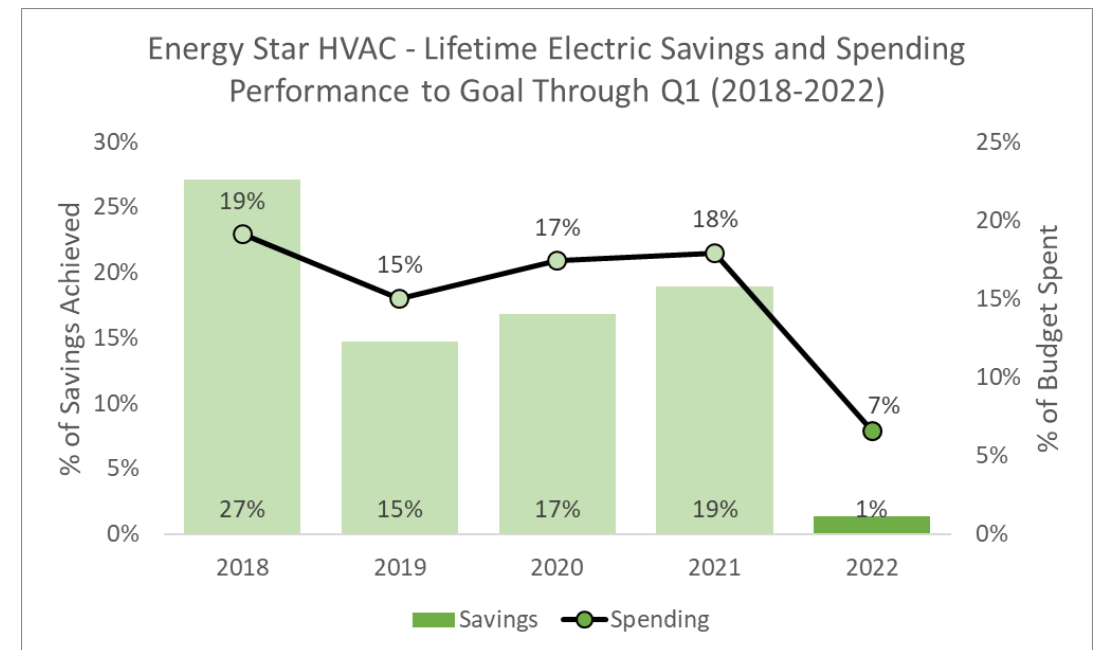
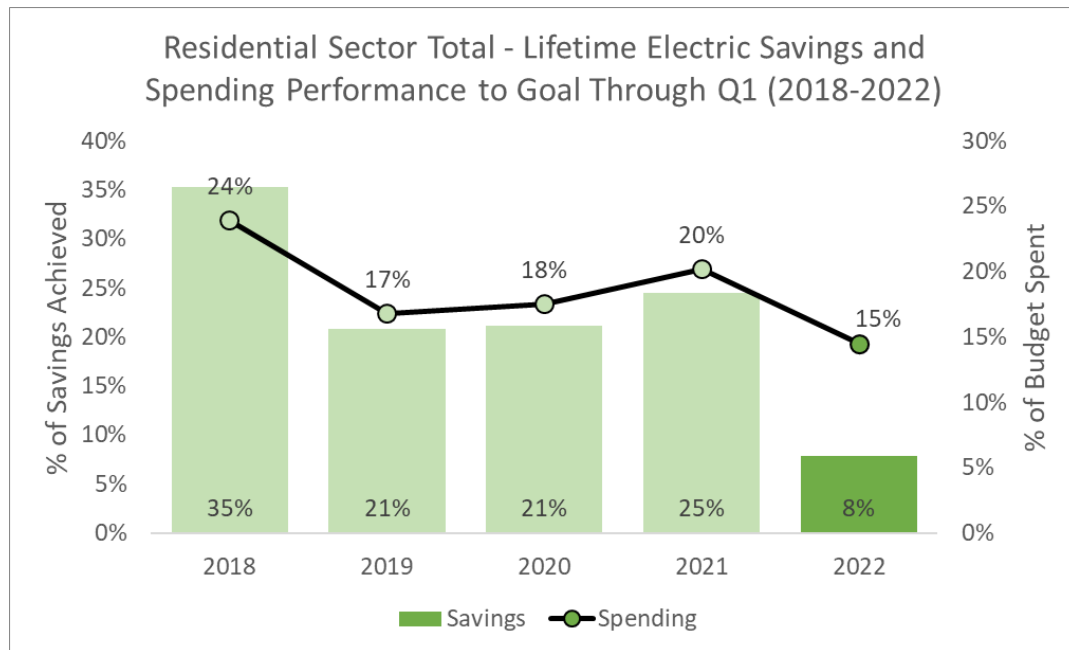
Topics:

- Current RCx offerings and customer uptake
- Provider availability and provider quality
- Coordination between Commissioning and Controls Vendors
- Landscape for MBCx and EMS providers
- Support for permanent measurement devices for MBCx and EMS type projects
- Incorporating Envelope Cx into RCx assessments



Residential Updates

- New QA/QC processes have resulted in delayed invoicing, which in turn delays when savings can be claimed
- HVAC vendor staff shortages have also delayed processing of invoices





Residential Deep Dive Meetings

Income Eligible Single Family

Date: Tuesday May 24th

Topics:

- CAP KPIs and 3rd Party Support
- Addressing Weatherization Barriers
- Maximizing Use of Funding Sources

Multifamily

Date: Thursday June 9th

Topics:

- Updates on Multifamily Vendor Enhancements
- Multifamily Census Study



NATIONAL GRID SECTOR HIGHLIGHTS





C&I Project Highlights

New Construction

- 36 active projects
 - Large zero-net energy (ZNE) high school
 - New science centers at two universities exploring electrification/ZNE
- Updating savings calculations to account for recent changes to RI Energy Conservation Code

Retrofit

- *Strategic Energy Management Plan (SEMP) Initiative*: Created library of technical assistance studies to support State SEMP
- *EnergySmart Grocer Initiative*: Grocery chain participating in Equipment & Systems Performance Optimization program undertook effort that includes improved maintenance practices, such as condenser and RTU coil cleanings and temperature setbacks

Small Business Direct Install

- Completed 31 gas weatherization projects in Q1, leveraging RGGI funds provided by OER
- Achieved 66% of total 2022 savings target, primarily due to 31,140 lifetime MMBTU of savings from weatherization



Residential Highlights

EnergyWise Single Family

- Through March, 1,978 assessments and 1,106 weatherizations have been completed

EnergyWise Multifamily

- Material lead times continue to cause significant project delays, including mechanical parts for boiler replacements as well as fixtures. The lead time for some materials is 15-20 weeks.
- Some of the Lead Vendor's staff have completed software product training for air source heat pumps with Fujitsu, Mitsubishi and LG. All of the Lead Vendor's mechanical staff completed a Combined Heat and Power (CHP) webinar presented by National Grid.

ENERGYSTAR® HVAC

- Ten remote half-day contractor trainings were held during the first quarter, providing both refresher courses and new trainings for HVAC technicians. The program now offers two types of trainings, HVAC Check and one focused specifically on Minisplit Check.
- The Enhanced Heat Pump Rebates for Residential Oil and Propane Heating Customers, which launched in 2021 and are offered through a partnership between National Grid and OER, saw significant volume in the first quarter as the program processed rebate applications that were received in late 2021/early 2022. 160 customers were served, 211 systems were installed, and 64 HEAT Loans were processed.



2022 PLAN COMMITMENTS





Select Residential 2022 Plan Commitments

Moderate Income Offering

- Commitment:
 - EnergyWise will offer a 100% weatherization incentive for moderate income customers, defined as household at or below 80% state median income.
- Update:
 - Moderate Income Weatherization is being offered using RGGI funds
 - E-mail marketing is underway
 - Following up with flyers so that every person receiving an assessment will be aware of the opportunity

Income Eligible Workforce

- Commitment:
 - Rebuild and stabilize the number of qualified AMP/weatherization and heating assessors. The IES Program will prioritize assisting CAPs to train, hire and retain assessors.
- Update:
 - 3 students coming out of the Rhode Island Builders Association trainings have been hired
 - Other assessors are working as mentors



Select 2022 C&I Plan Commitments

Large C&I Retrofit Grocery Initiative

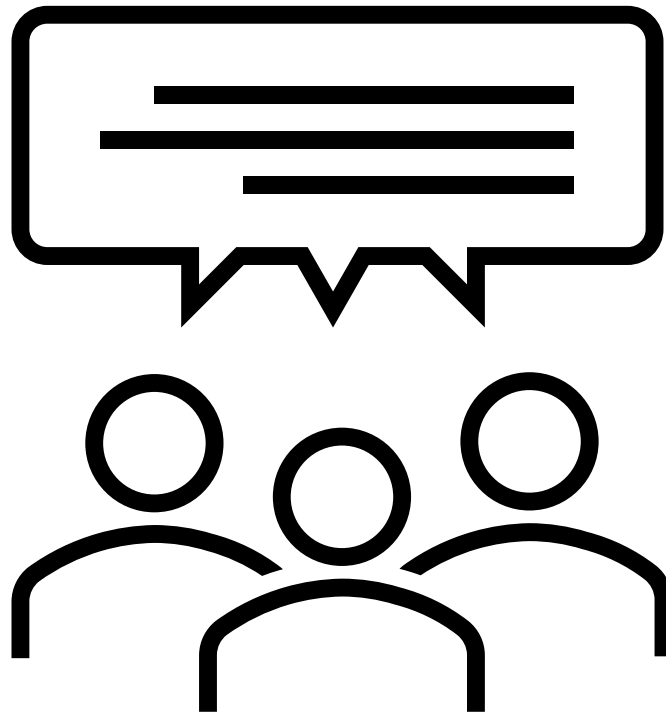
- Commitment:
 - The Company is proposing a change to the vendor's performance-based compensation structure for the 2022 program year, which would place greater emphasis on non-lighting measures and relatively less emphasis on lighting measures.
- Update:
 - The vendor contract now includes a modified compensation structure

Large C&I Retrofit LLCs

- Commitment:
 - The 2022 plan will maintain increased incentive support and special promotions for luminaires with controls and Luminaire Level Lighting Controls (LLLCs). The Company will work with its vendor and its EM&V team to try and capture more savings from LLLCs with better documentation at the distributor level.
- Update:
 - Distributors and our vendor partner are now collecting more data which allows greater visibility and more savings on some luminaire types. RI and the MA PAs are thinking about potential promotions for later in the year.



Council Member Discussion



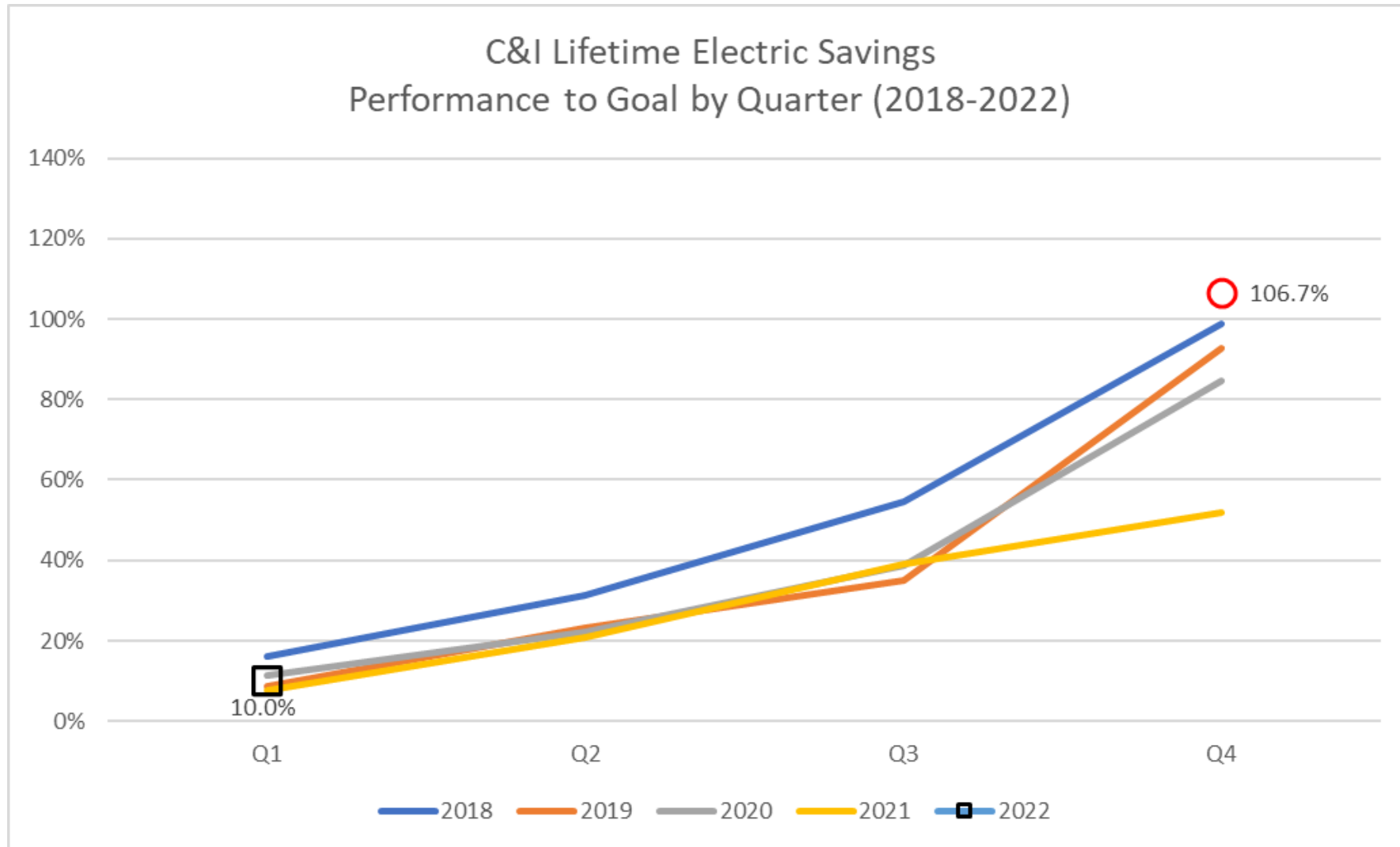


Appendix



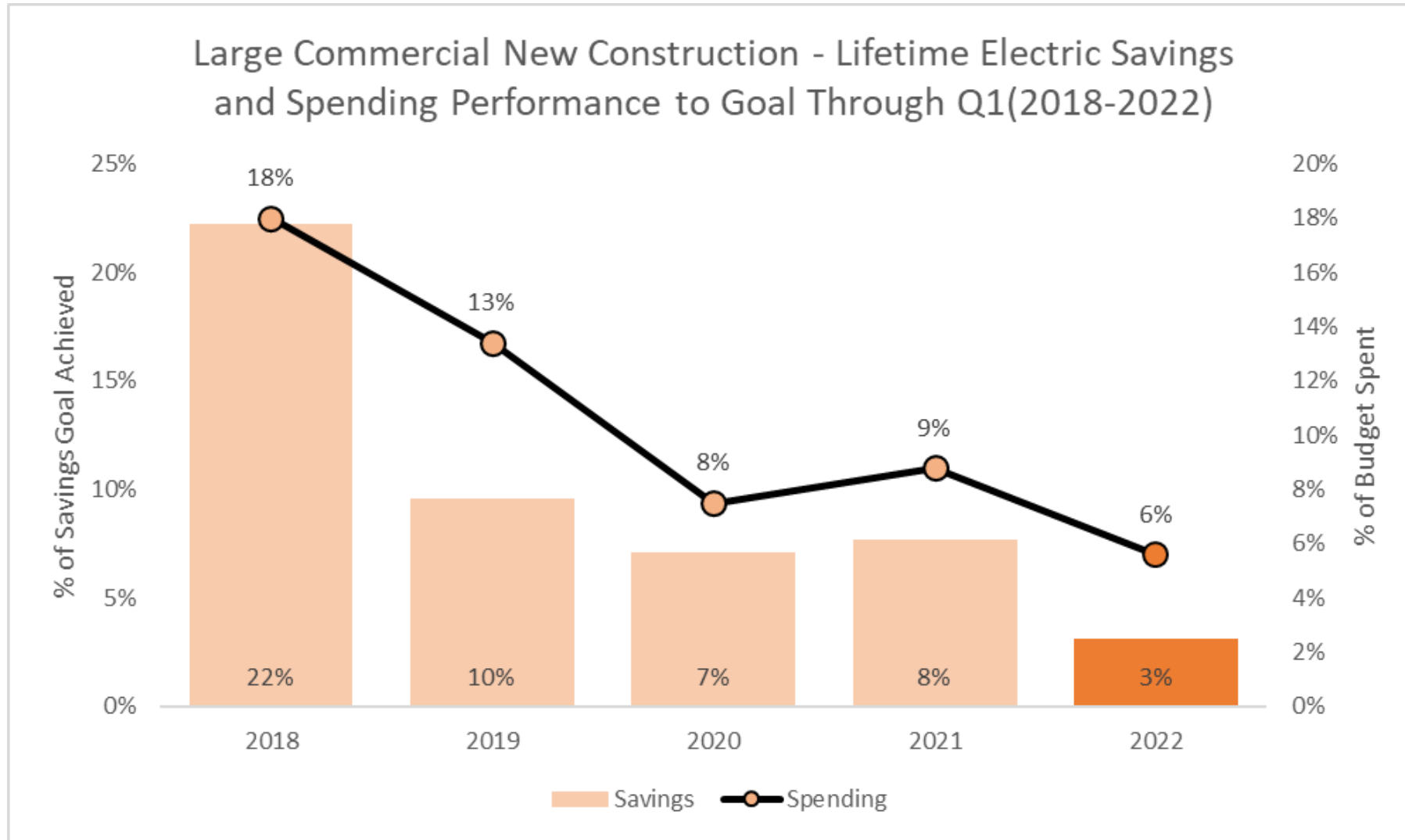


Electric C&I Forecast



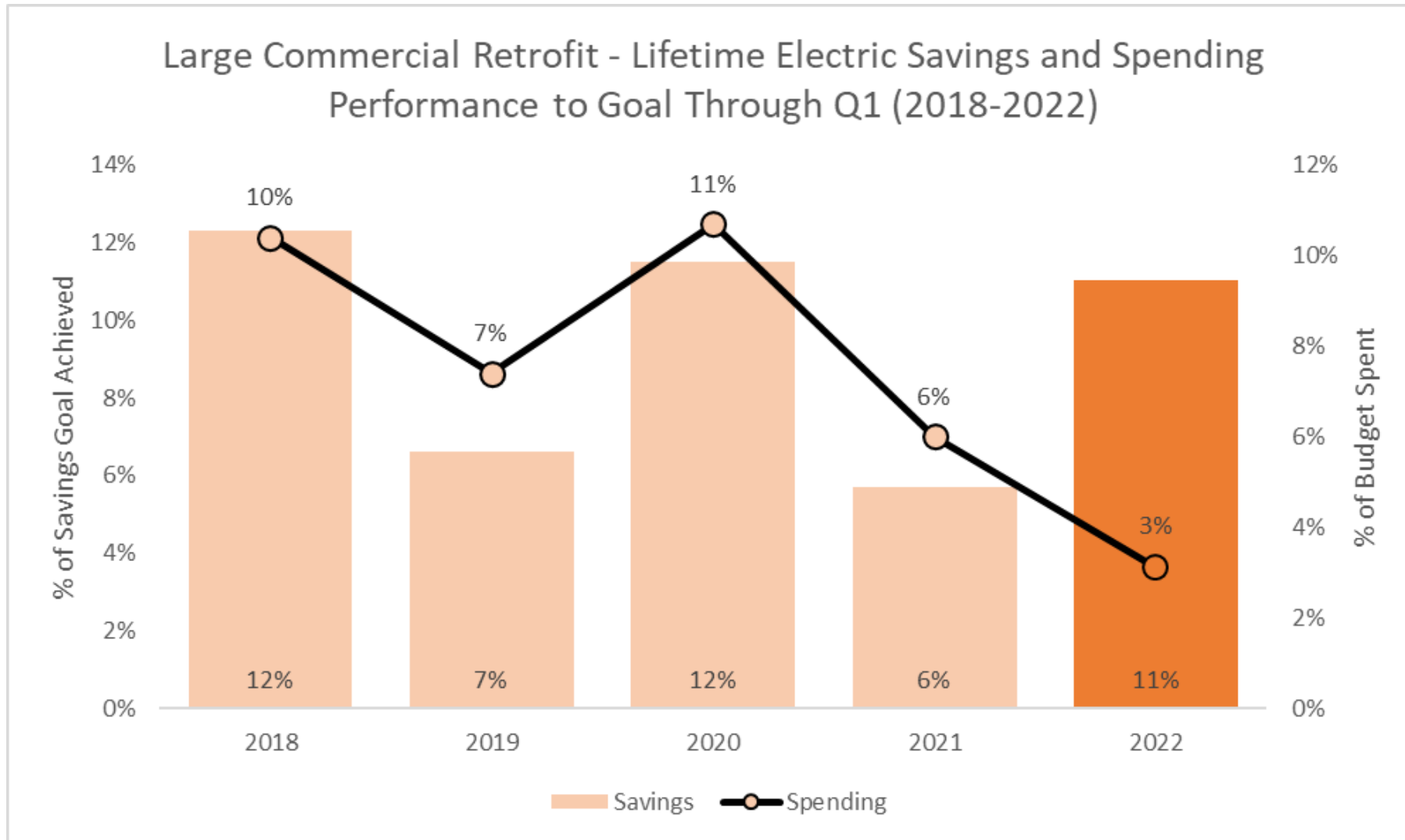


Electric C&I Programs



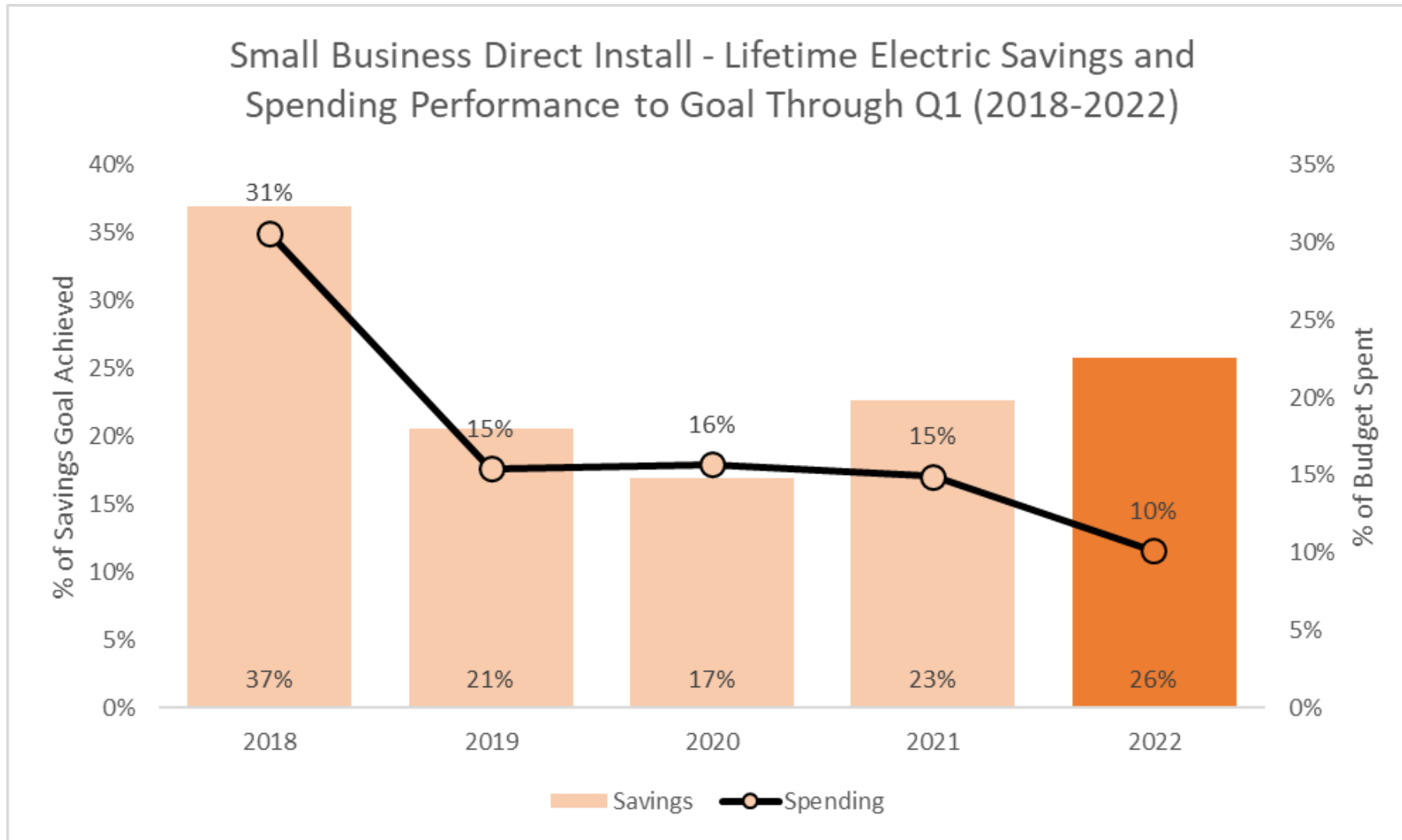


Electric C&I Programs



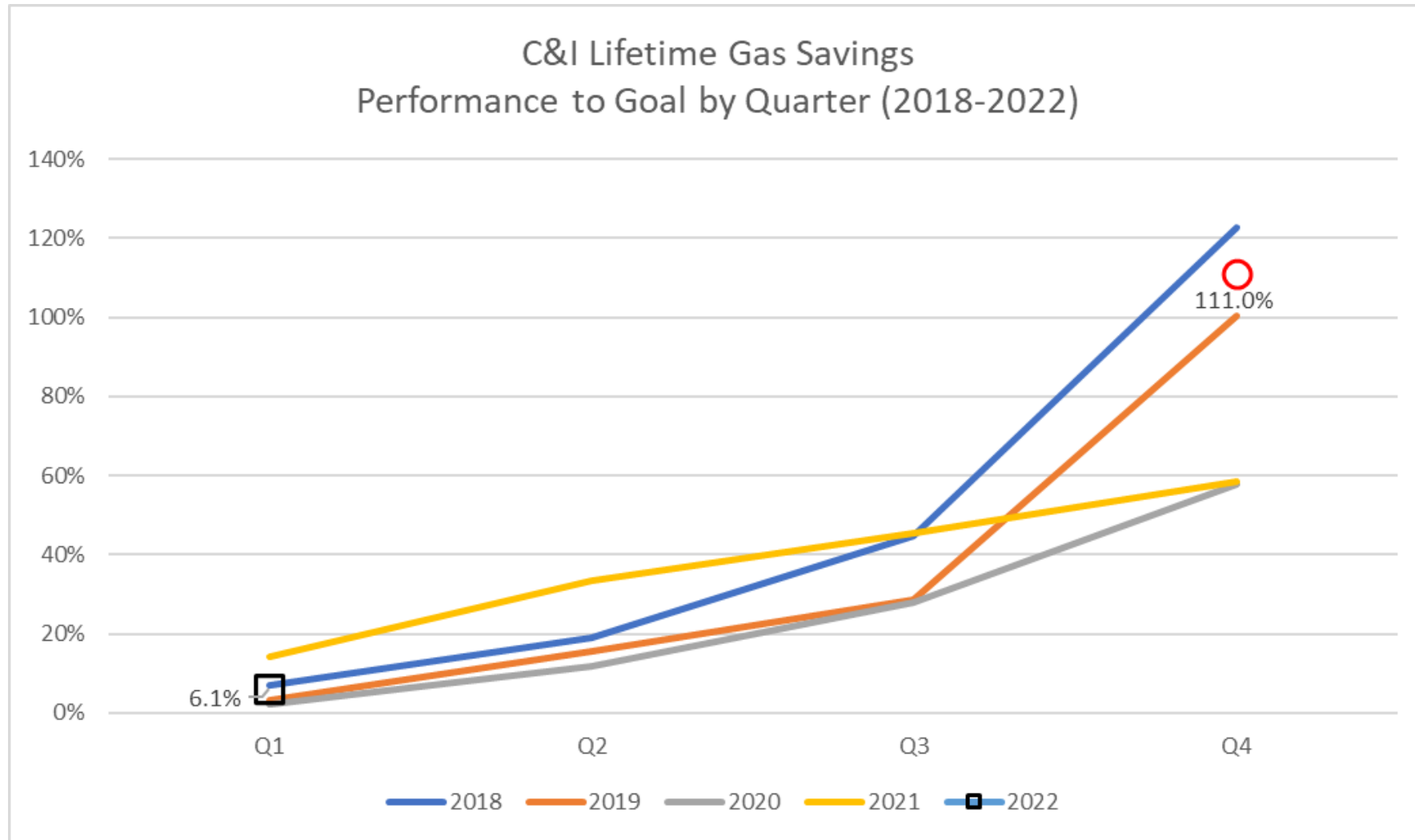


Electric C&I Programs



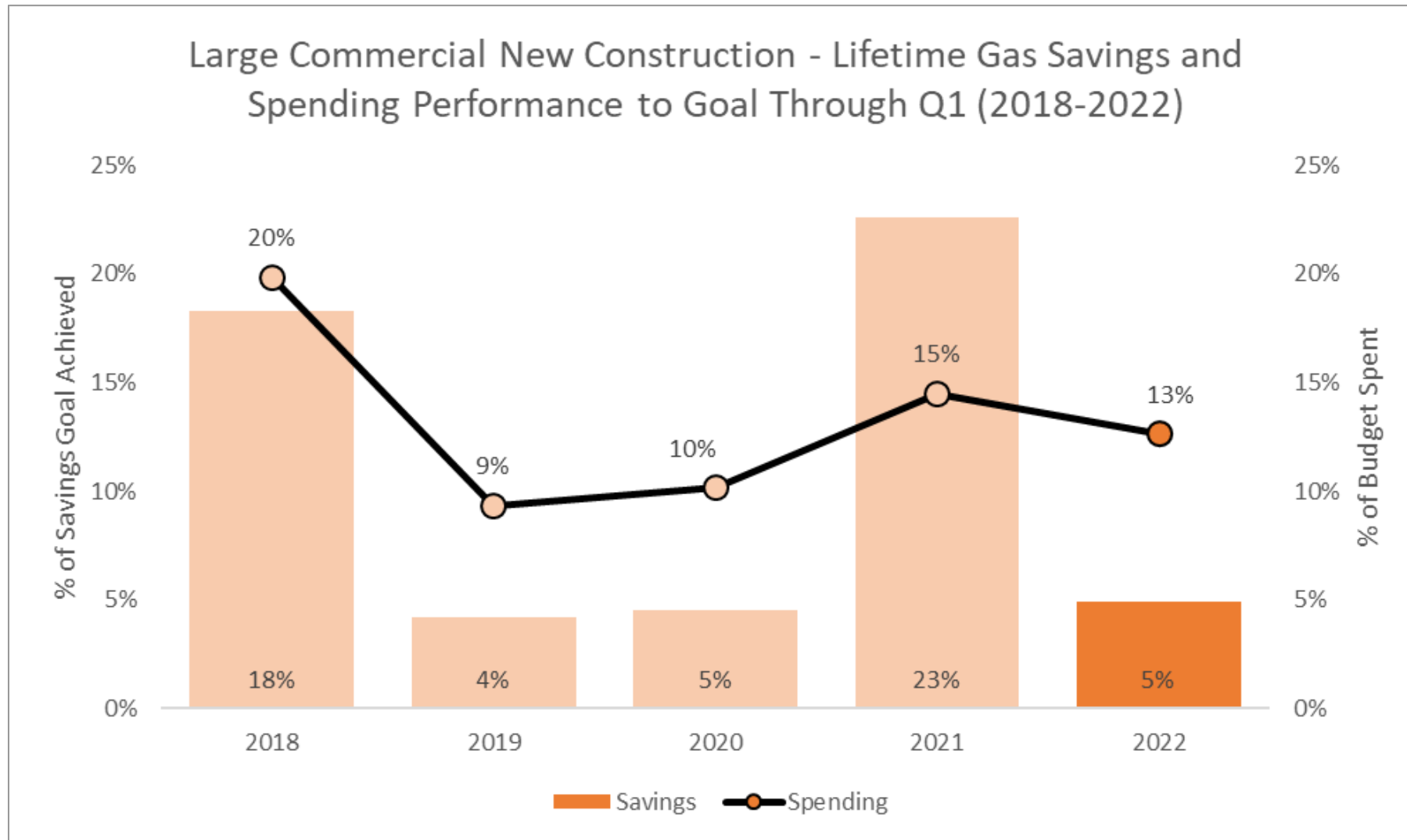


Gas C&I Forecast



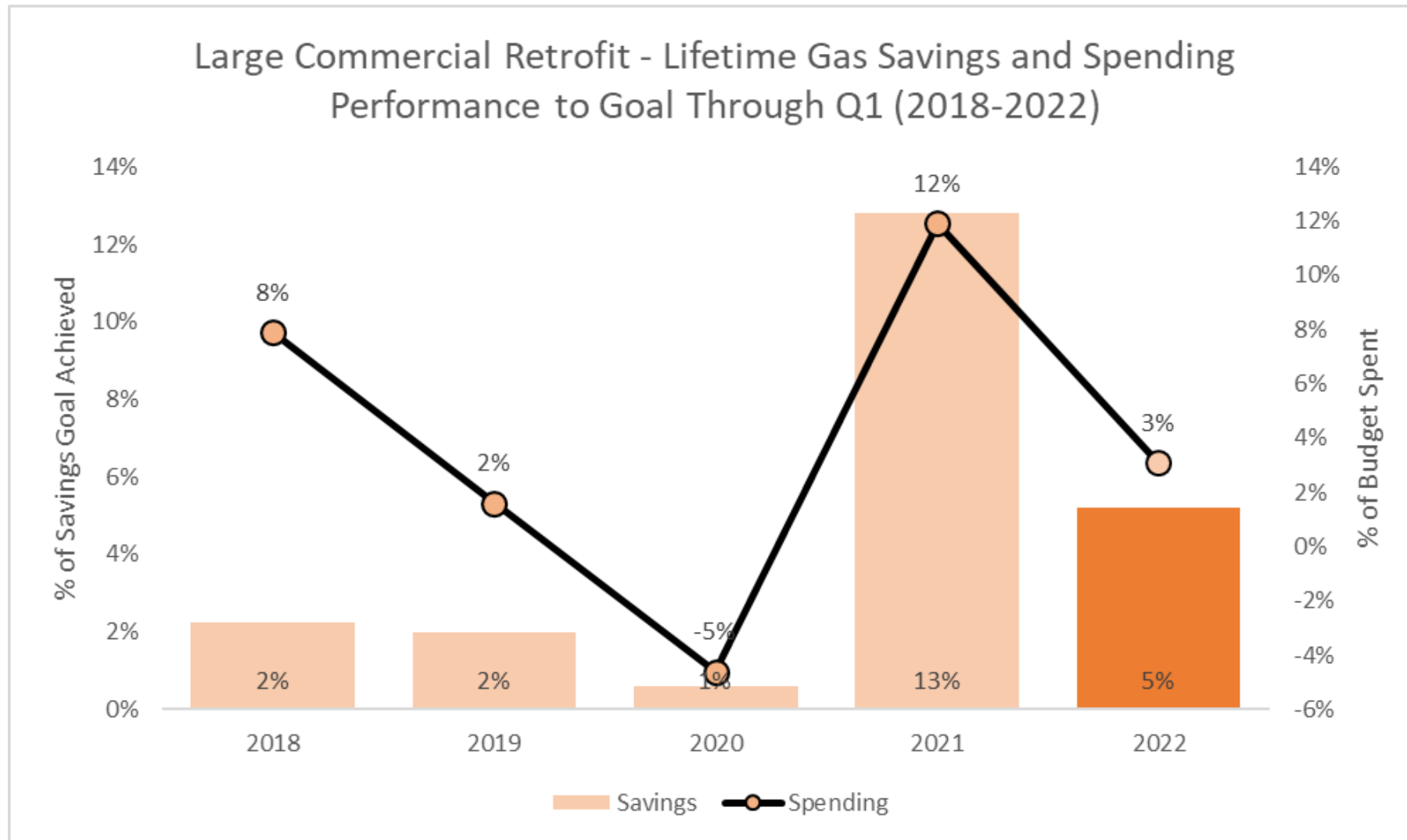


Gas C&I Programs



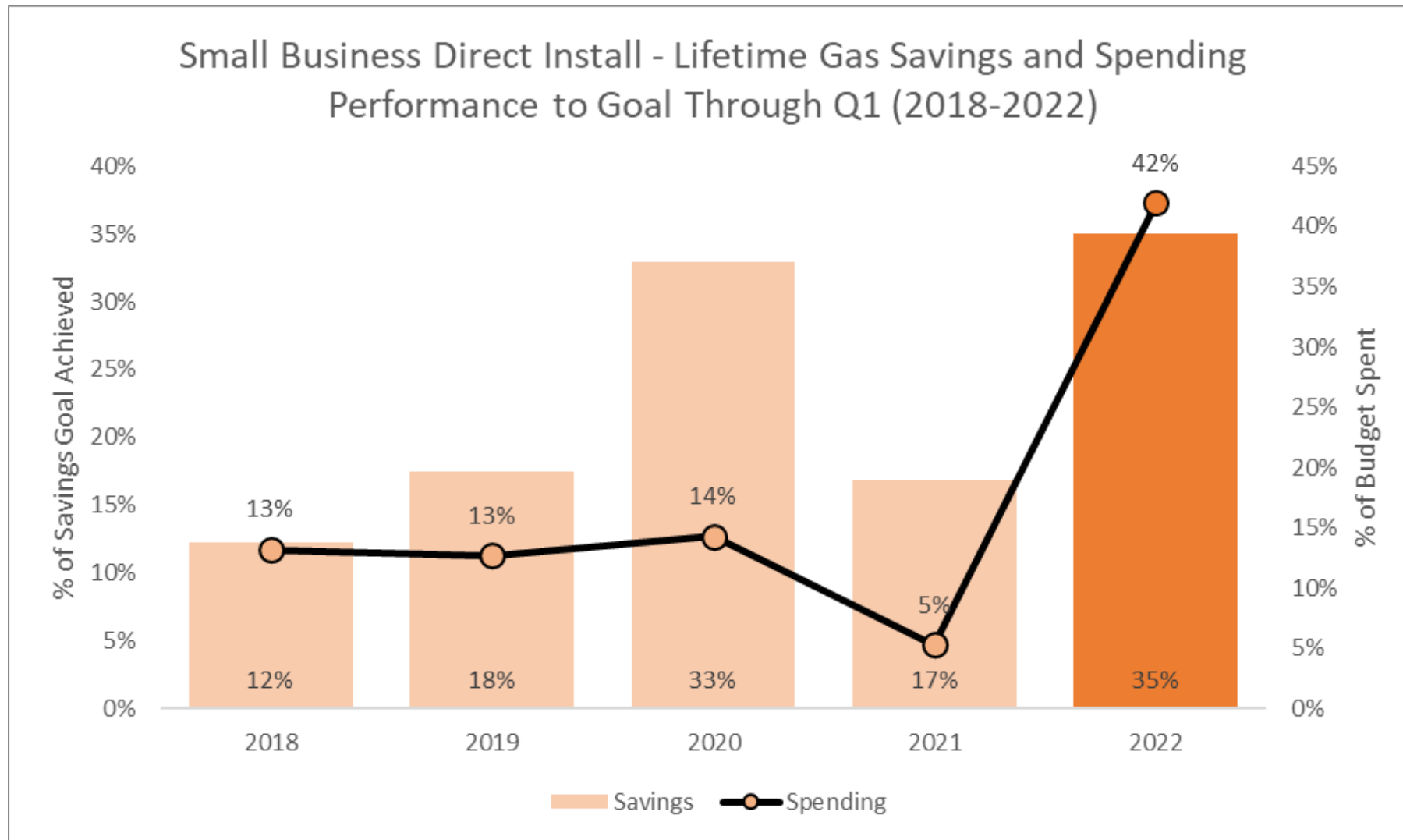


Gas C&I Programs



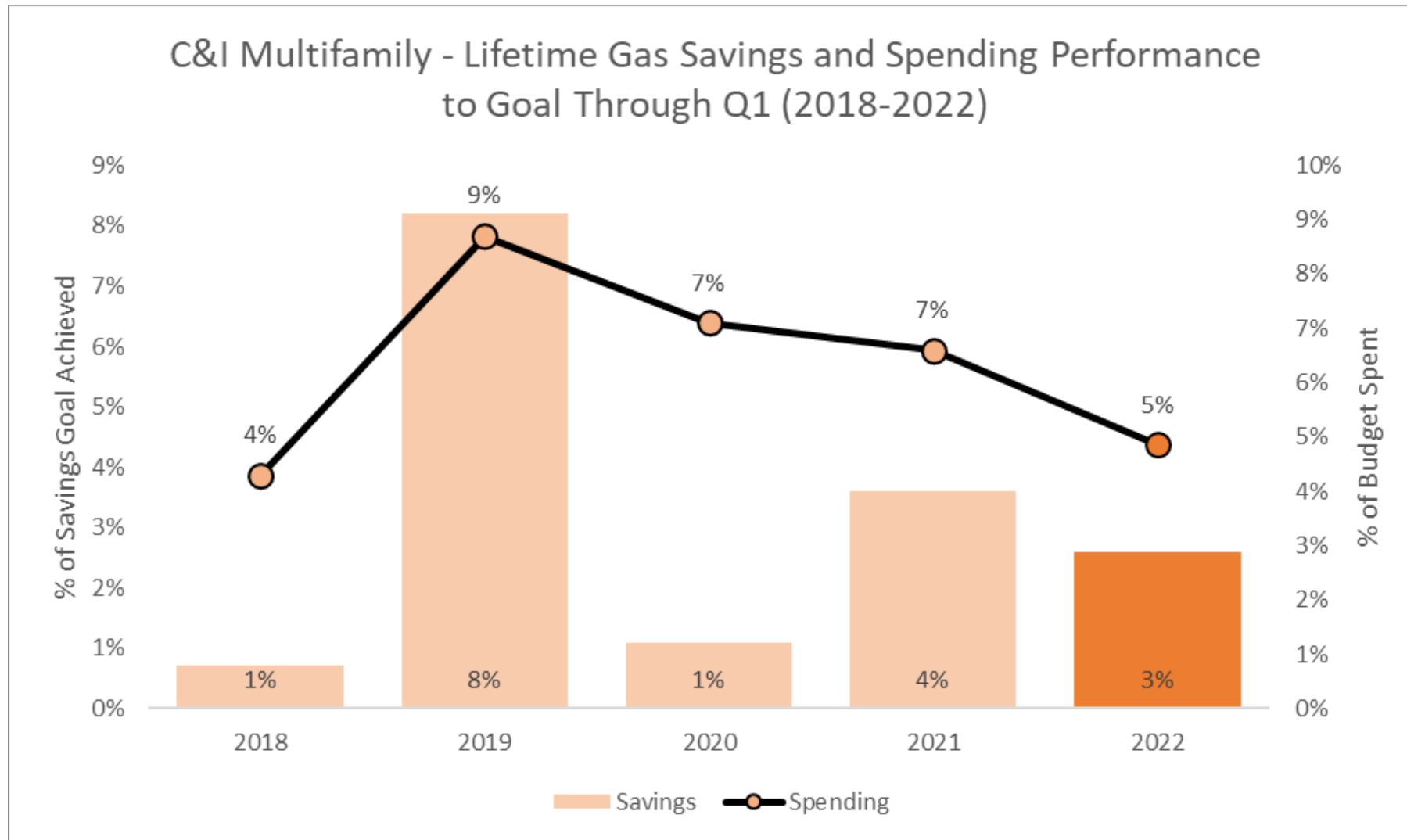


Gas C&I Programs



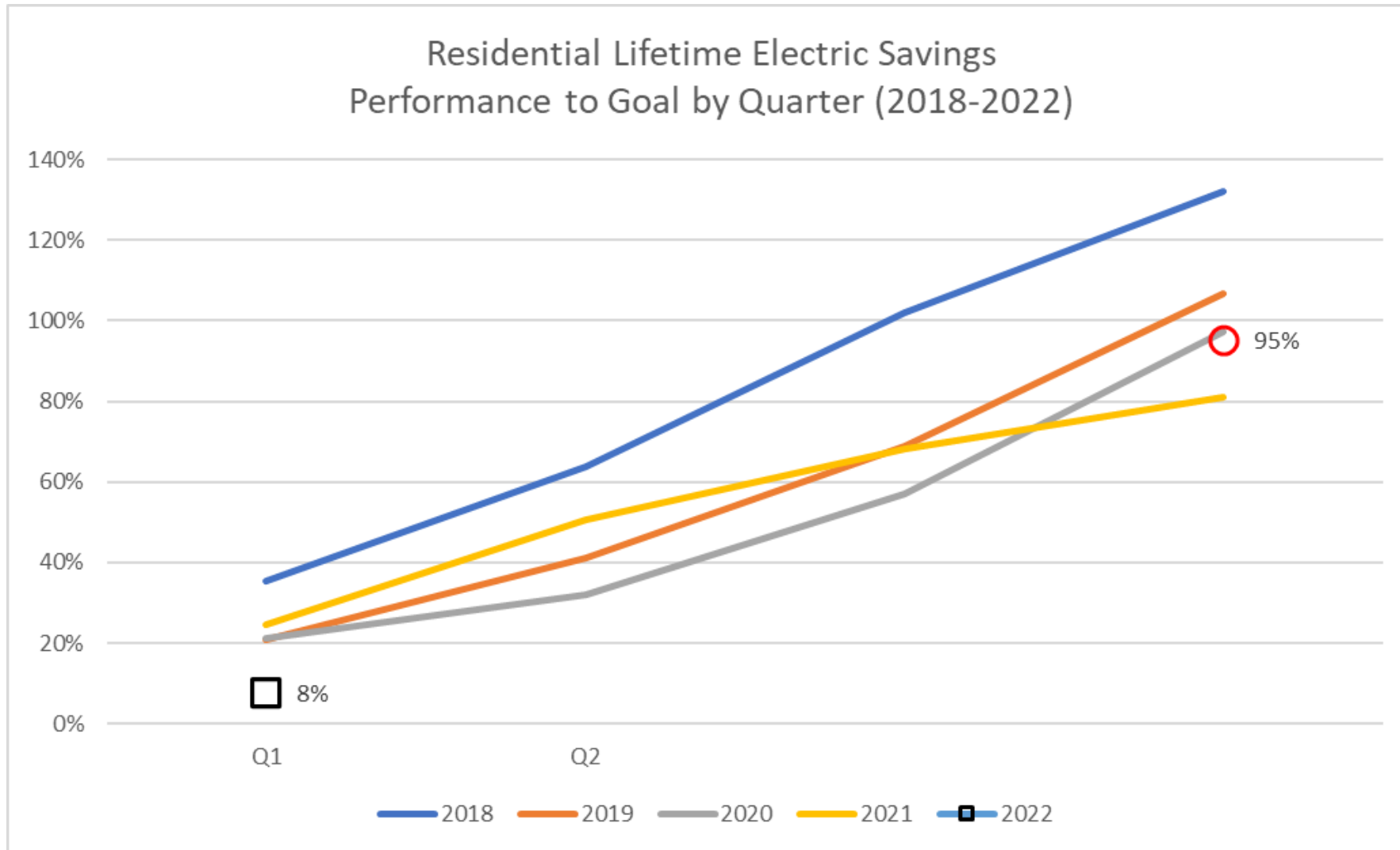


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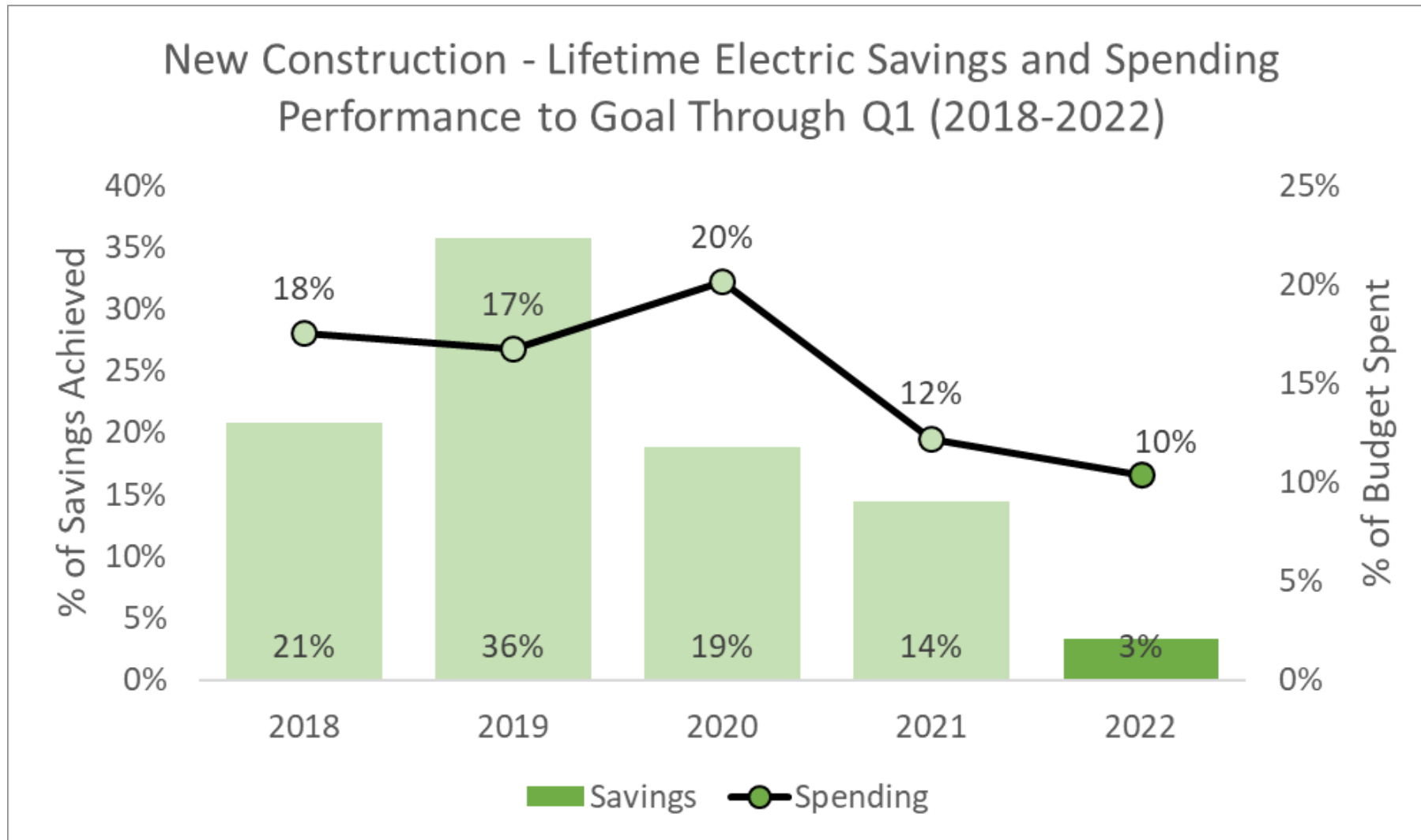


Electric Res Forecast



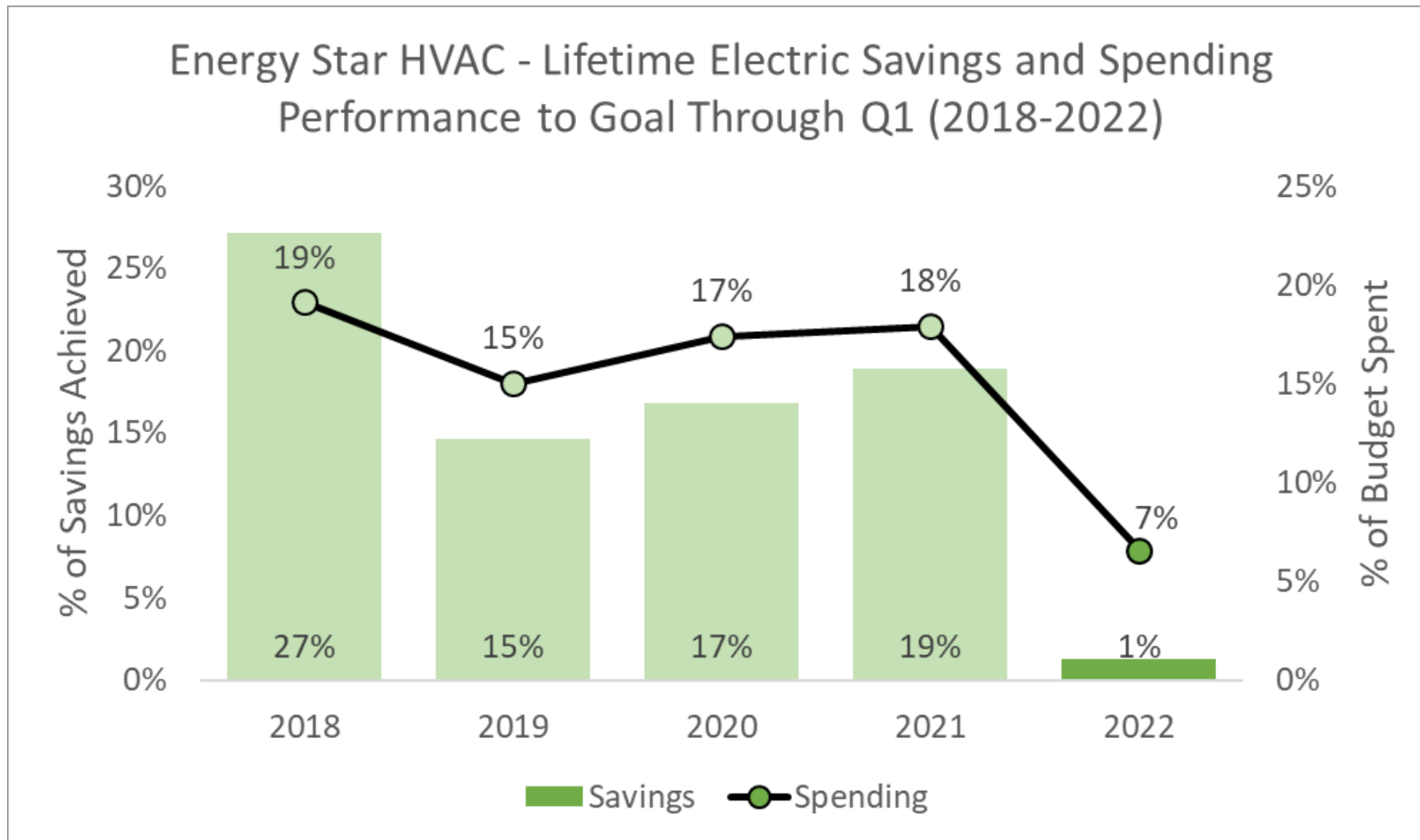


Electric Res Programs





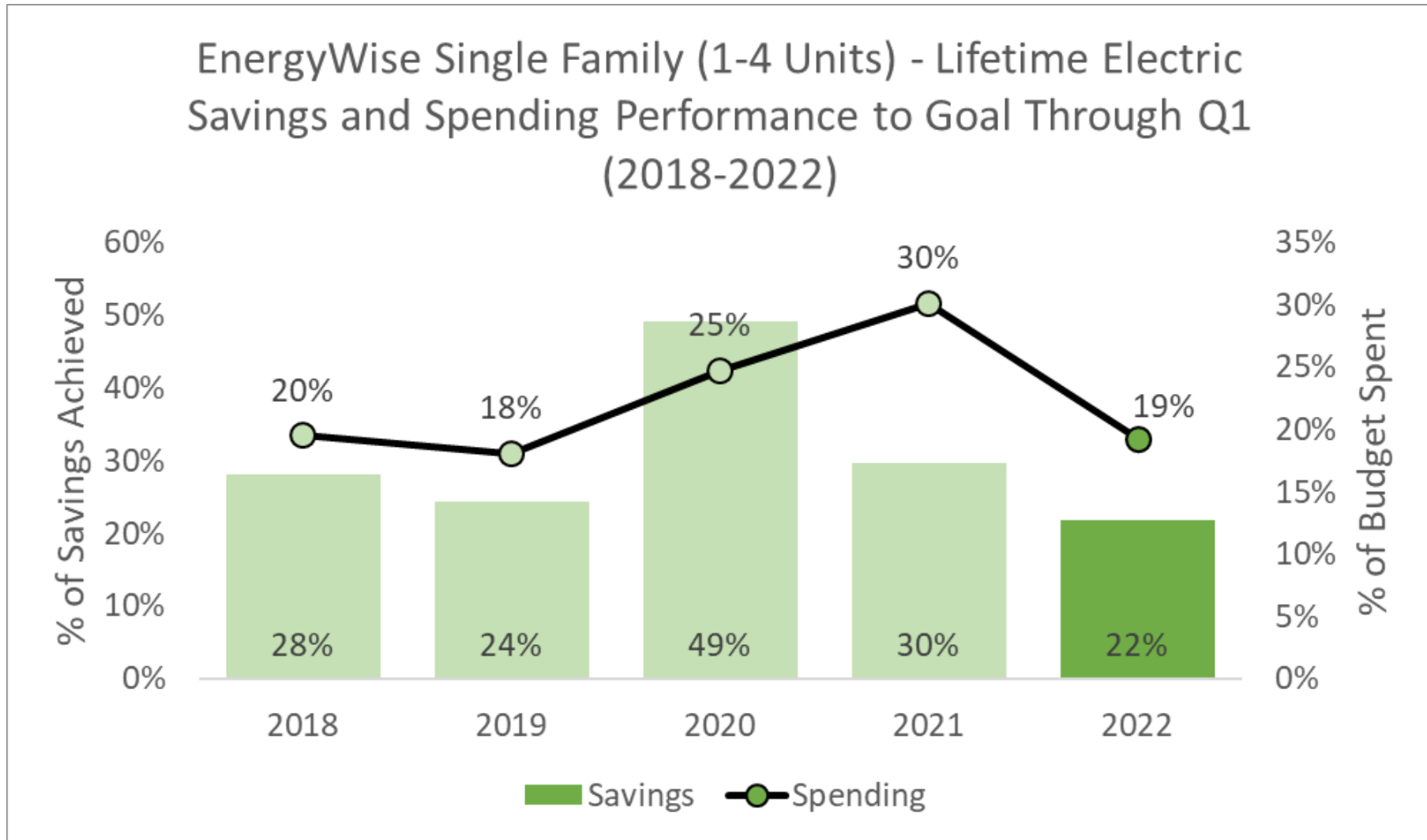
Electric Res Programs





Electric Res Programs

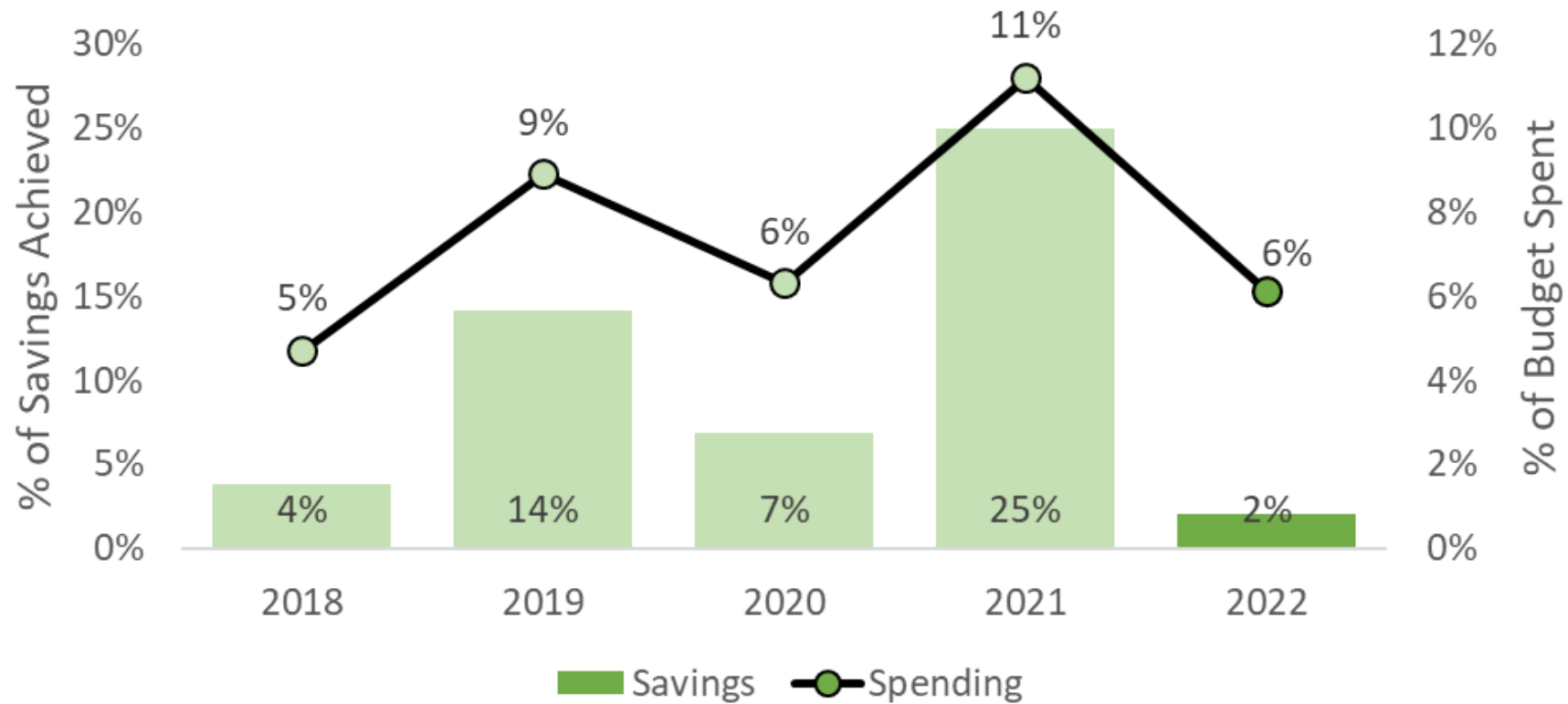
EnergyWise Single Family (1-4 Units) - Lifetime Electric Savings and Spending Performance to Goal Through Q1 (2018-2022)





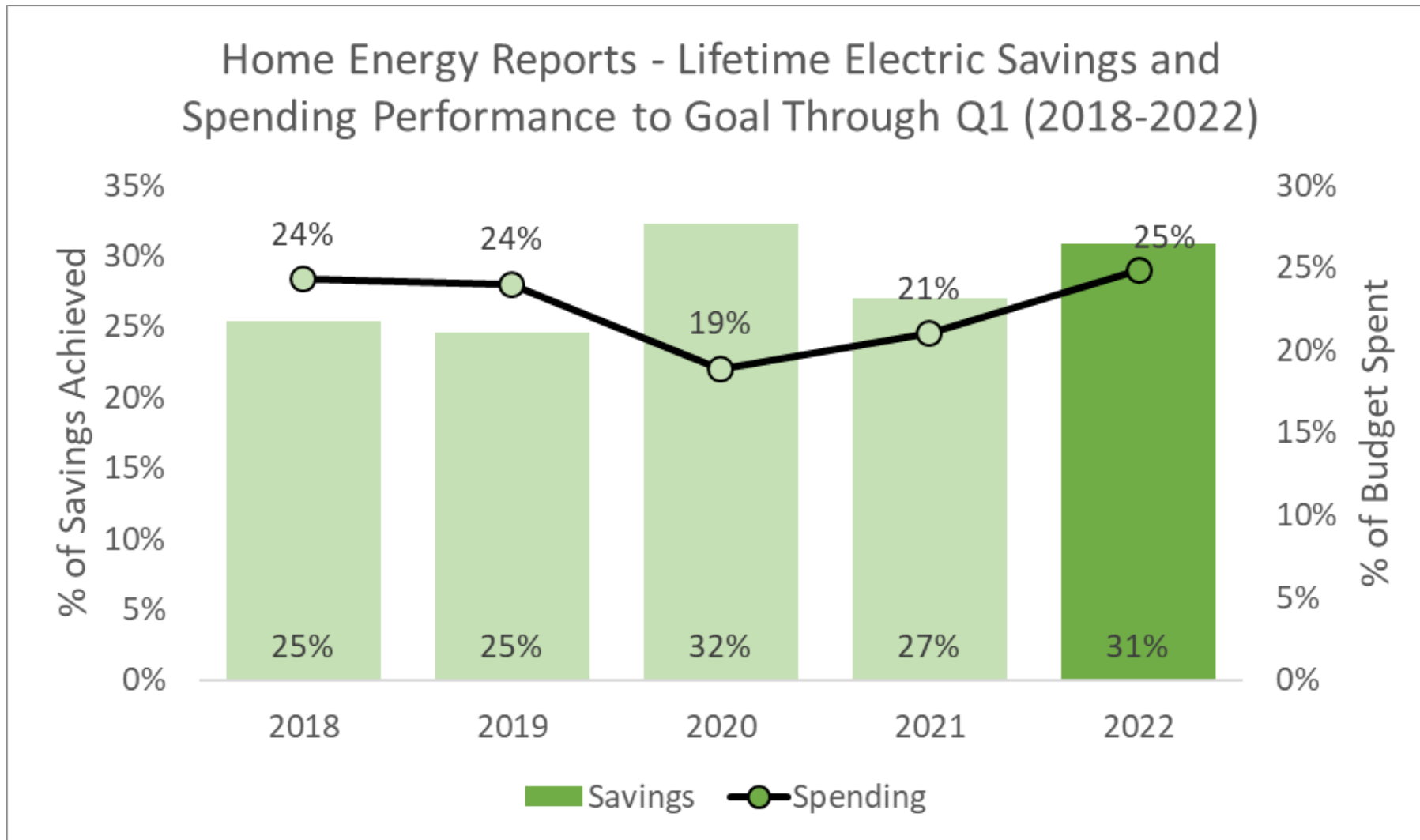
Electric Res Programs

EnergyWise Multifamily (5+ Units) - Lifetime Electric Savings and Spending Performance to Goal Through Q1 (2018-2022)





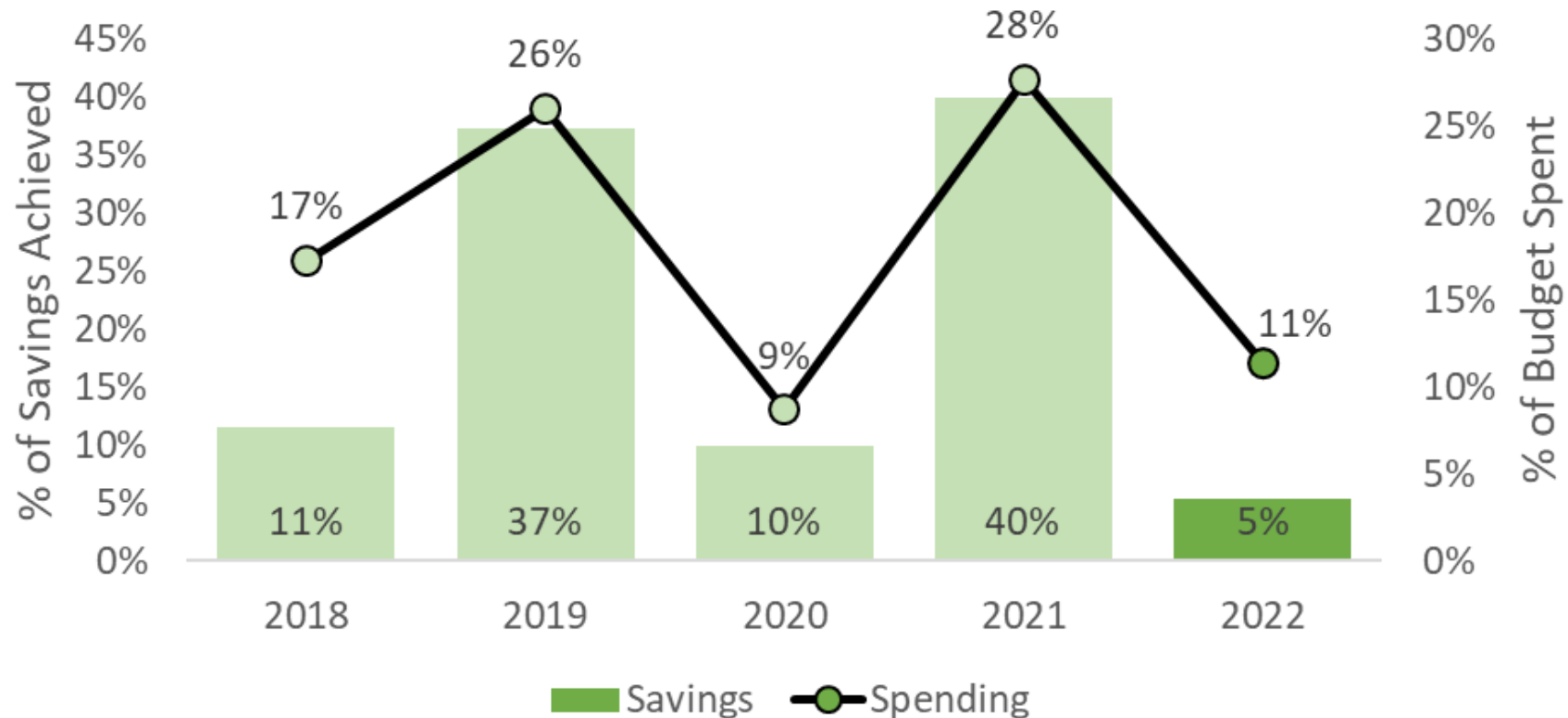
Electric Res Programs





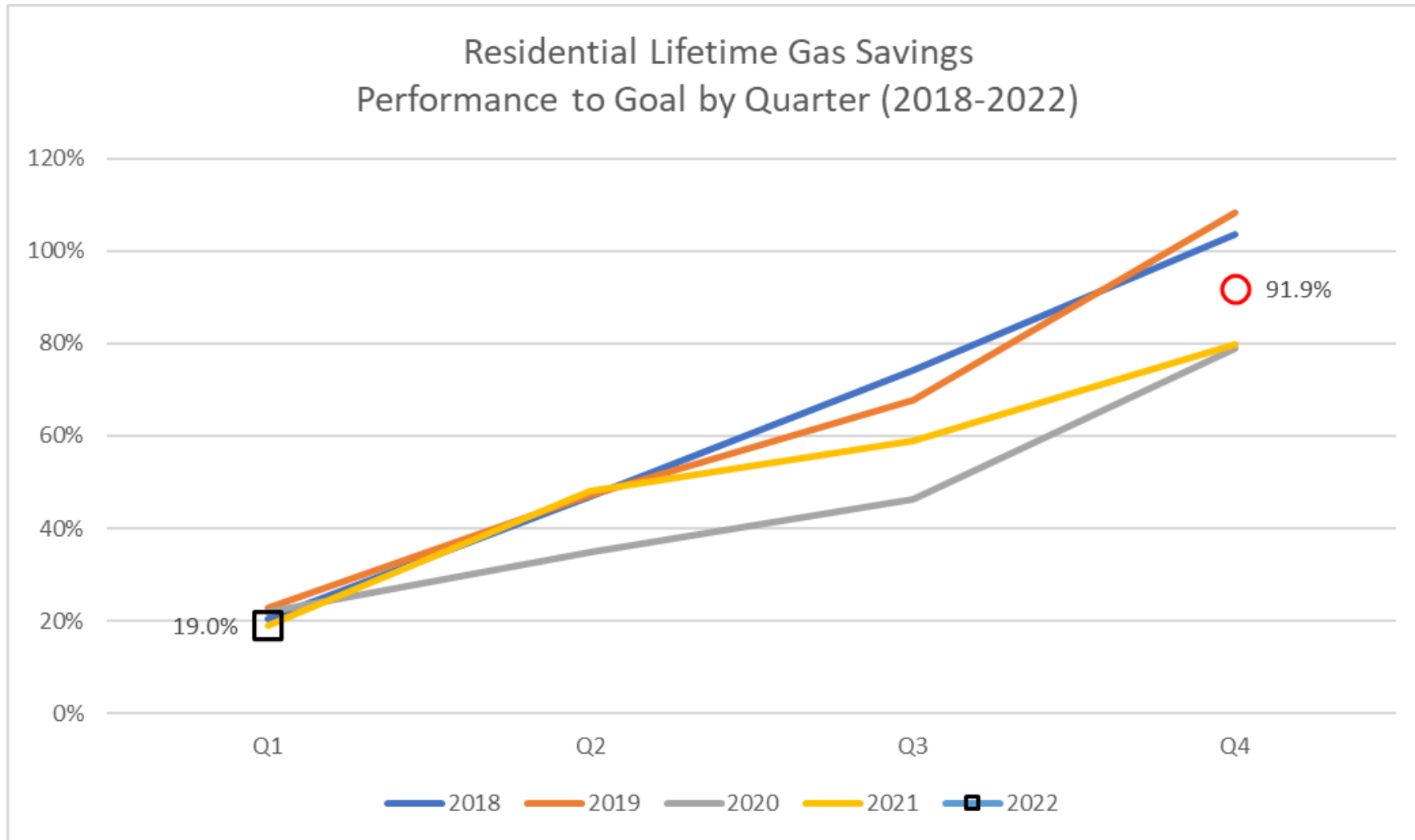
Electric Res Programs

Residential Consumer Products - Lifetime Electric Savings and Spending Performance to Goal Through Q1 (2018-2022)



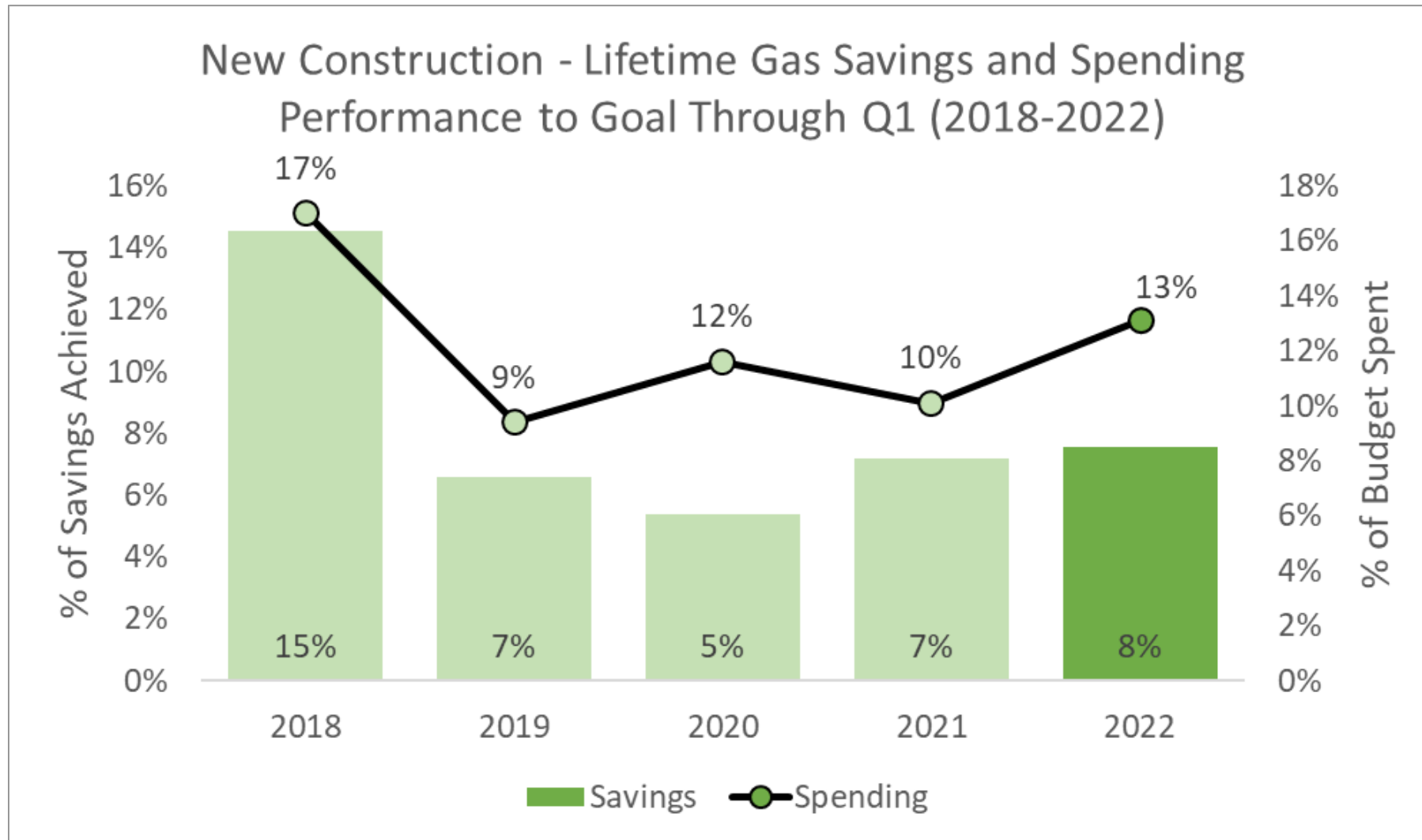


Gas Res Forecast



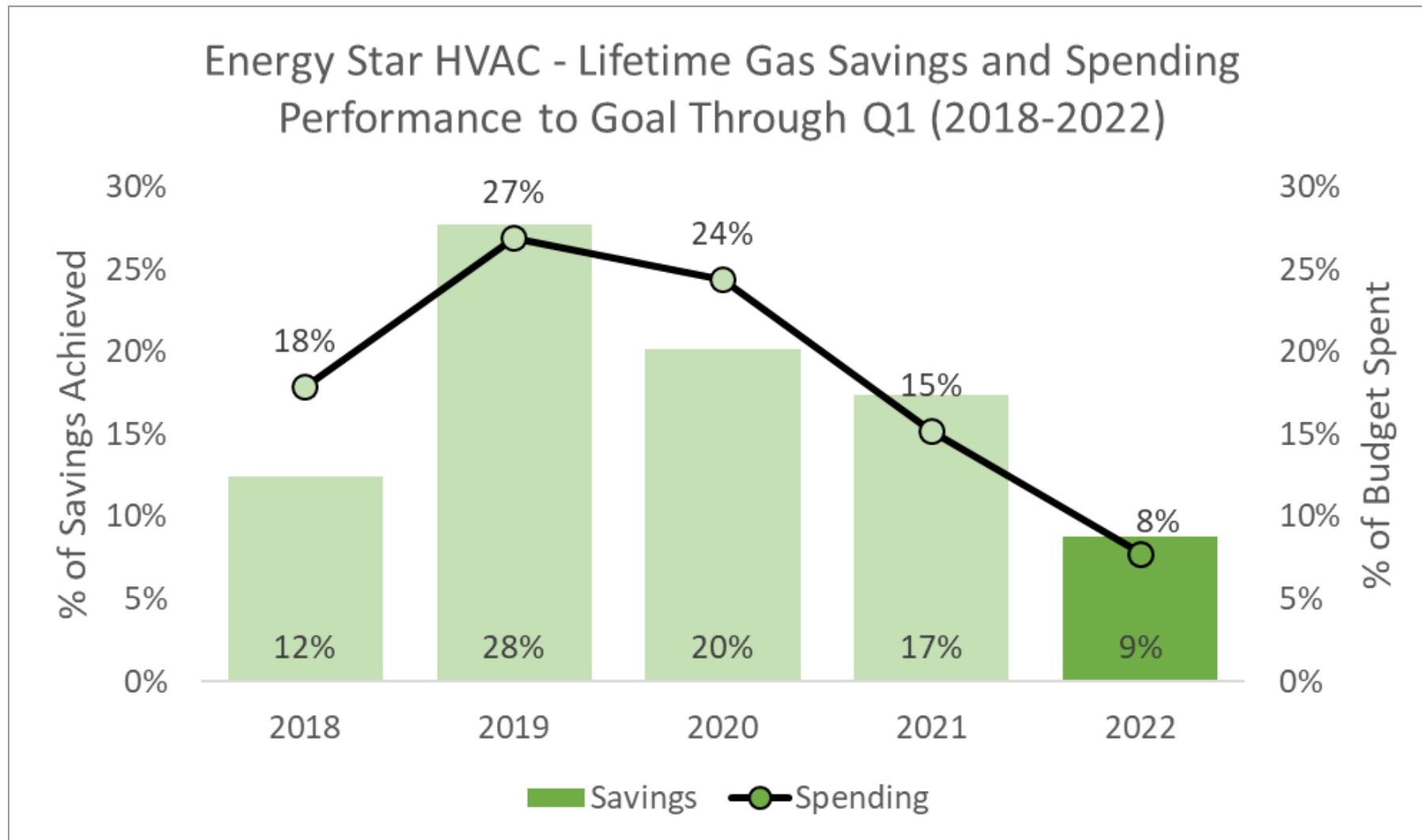


Gas Res Programs





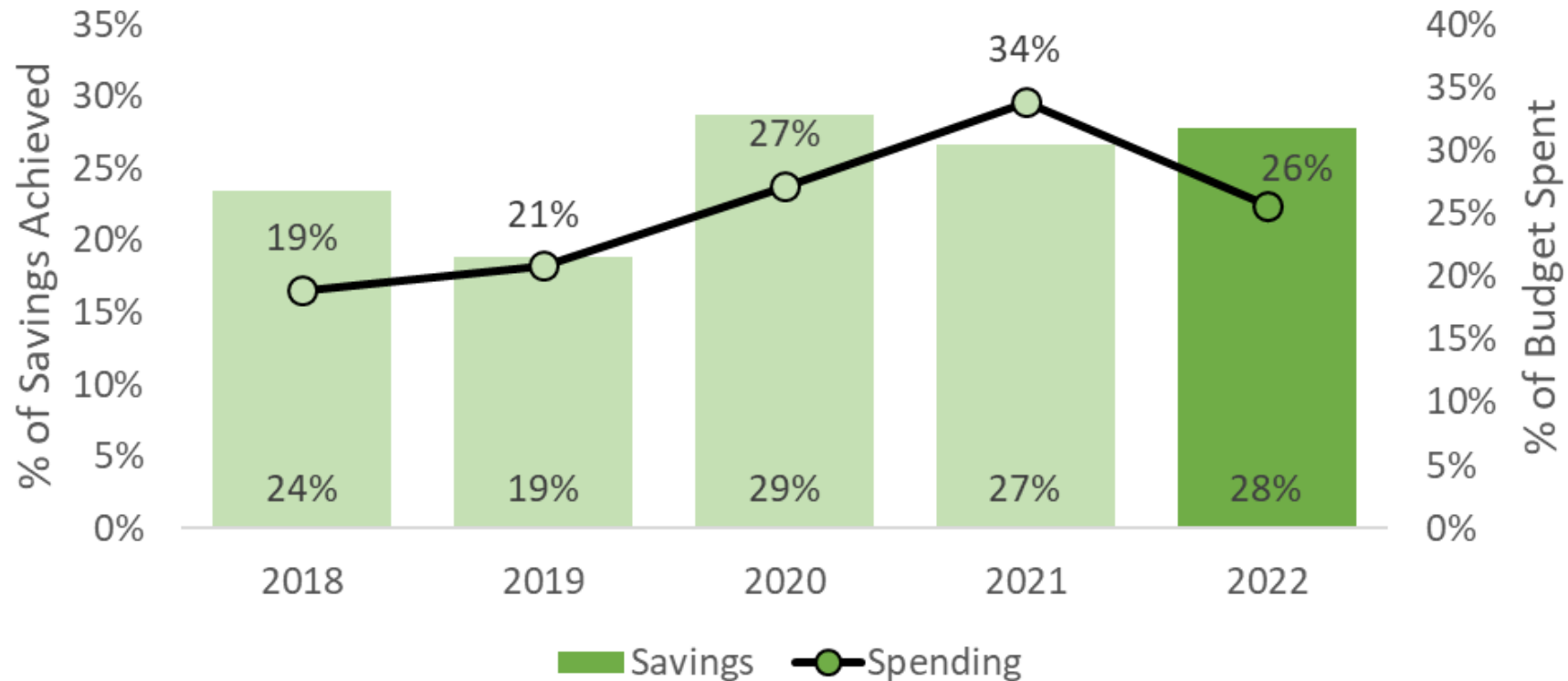
Gas Res Programs





Gas Res Programs

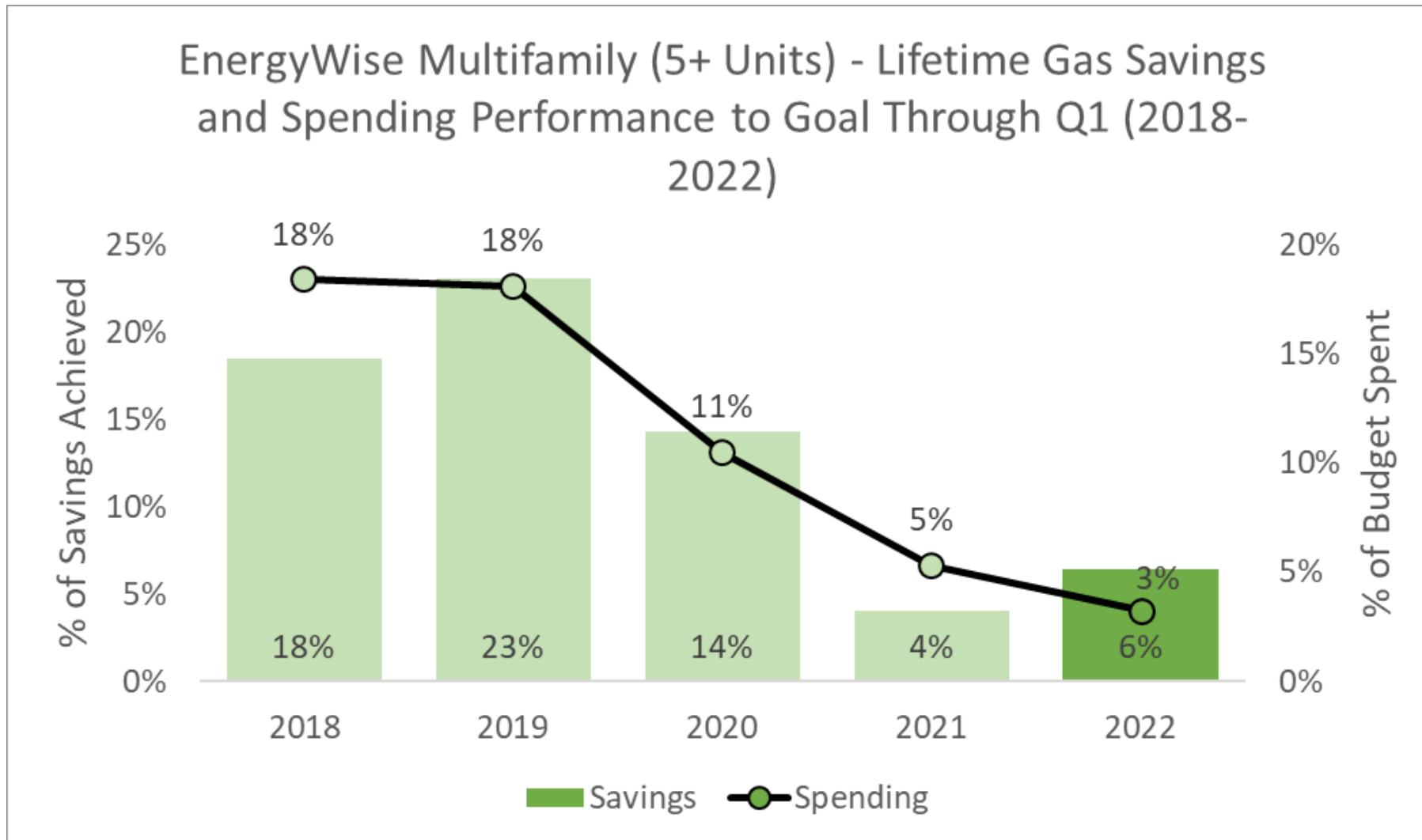
EnergyWise Single Family (1-4 Units) - Lifetime Gas Savings and Spending Performance to Goal Through Q1 (2018-2022)





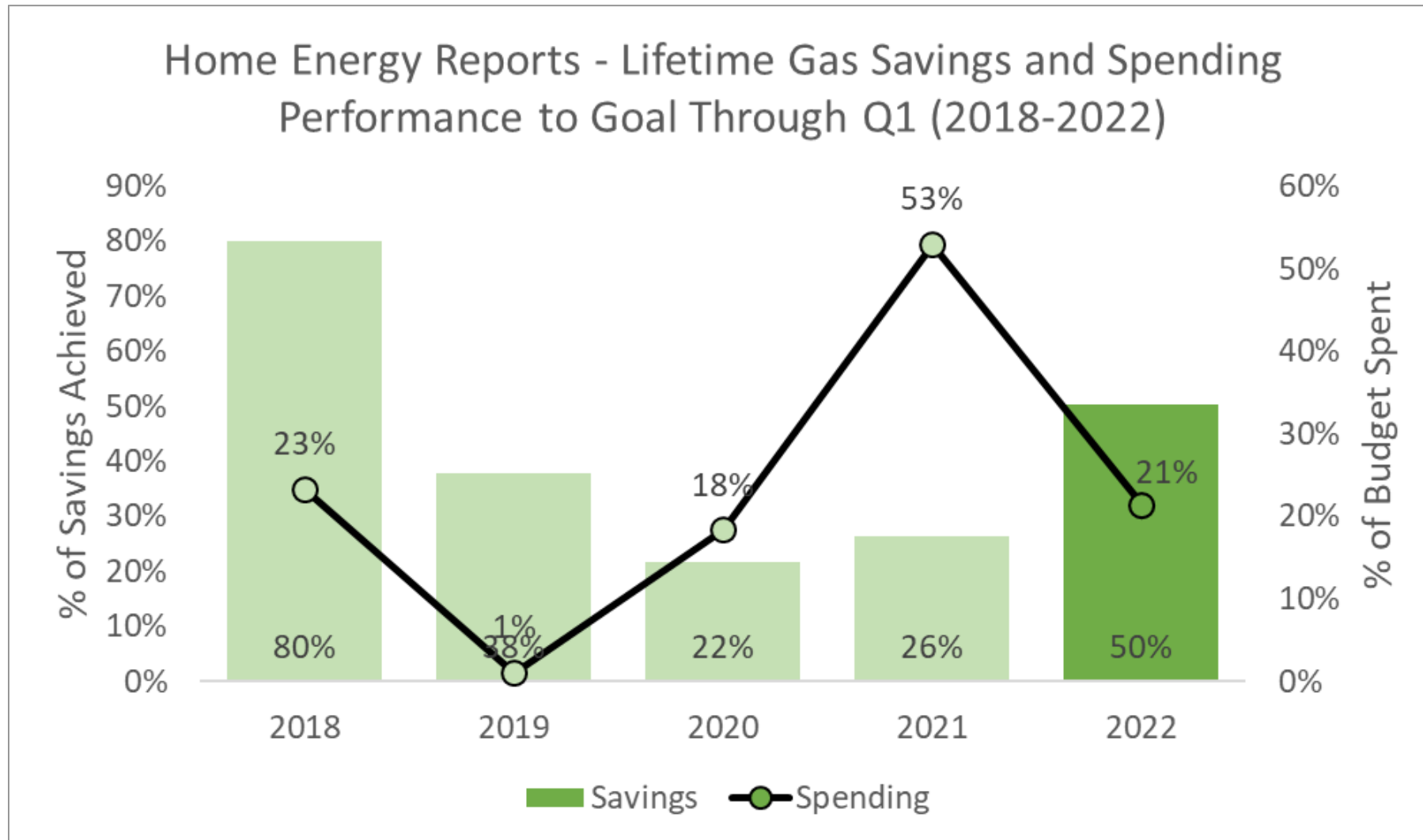
Gas Res Programs

EnergyWise Multifamily (5+ Units) - Lifetime Gas Savings and Spending Performance to Goal Through Q1 (2018-2022)



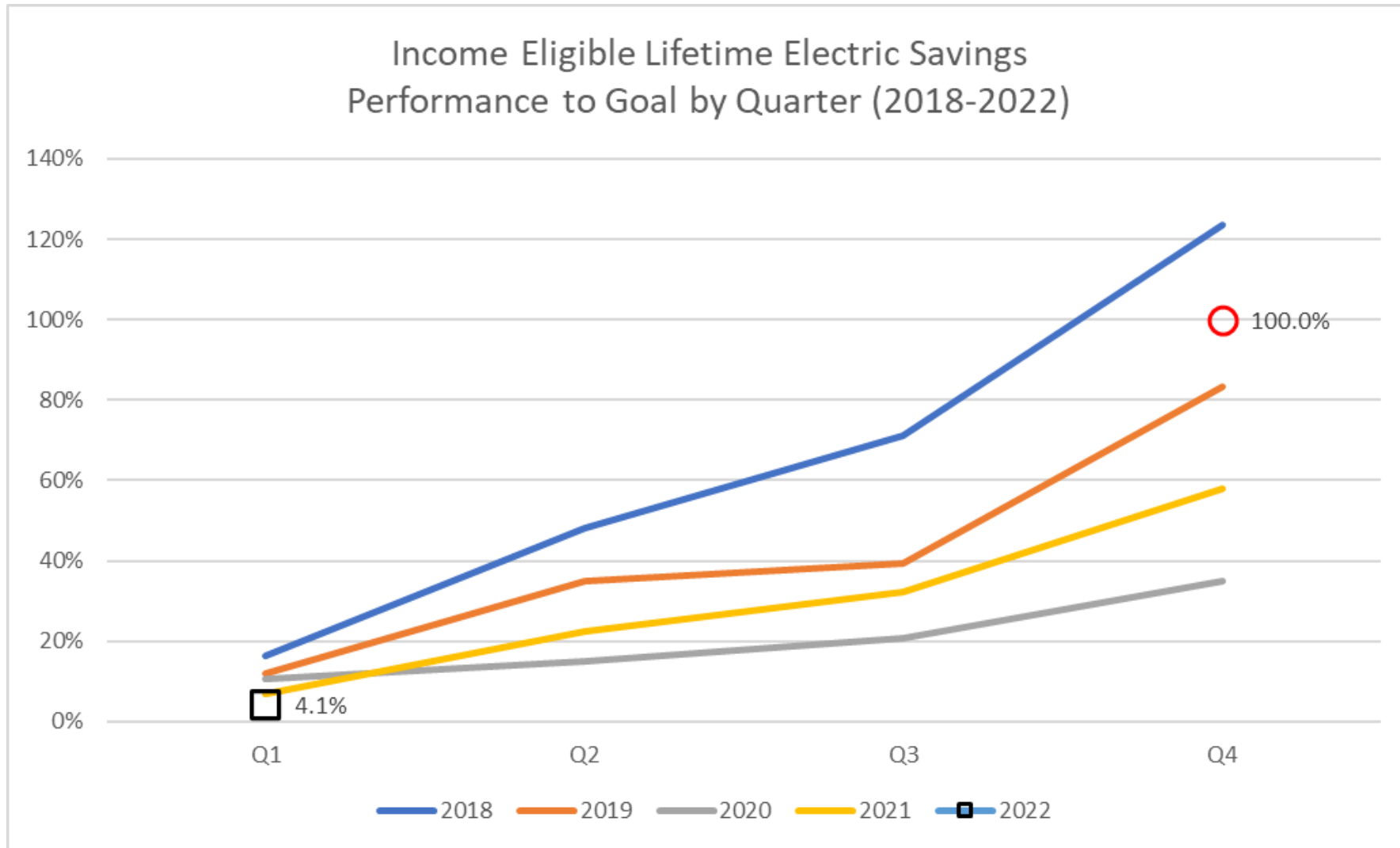


Gas Res Programs



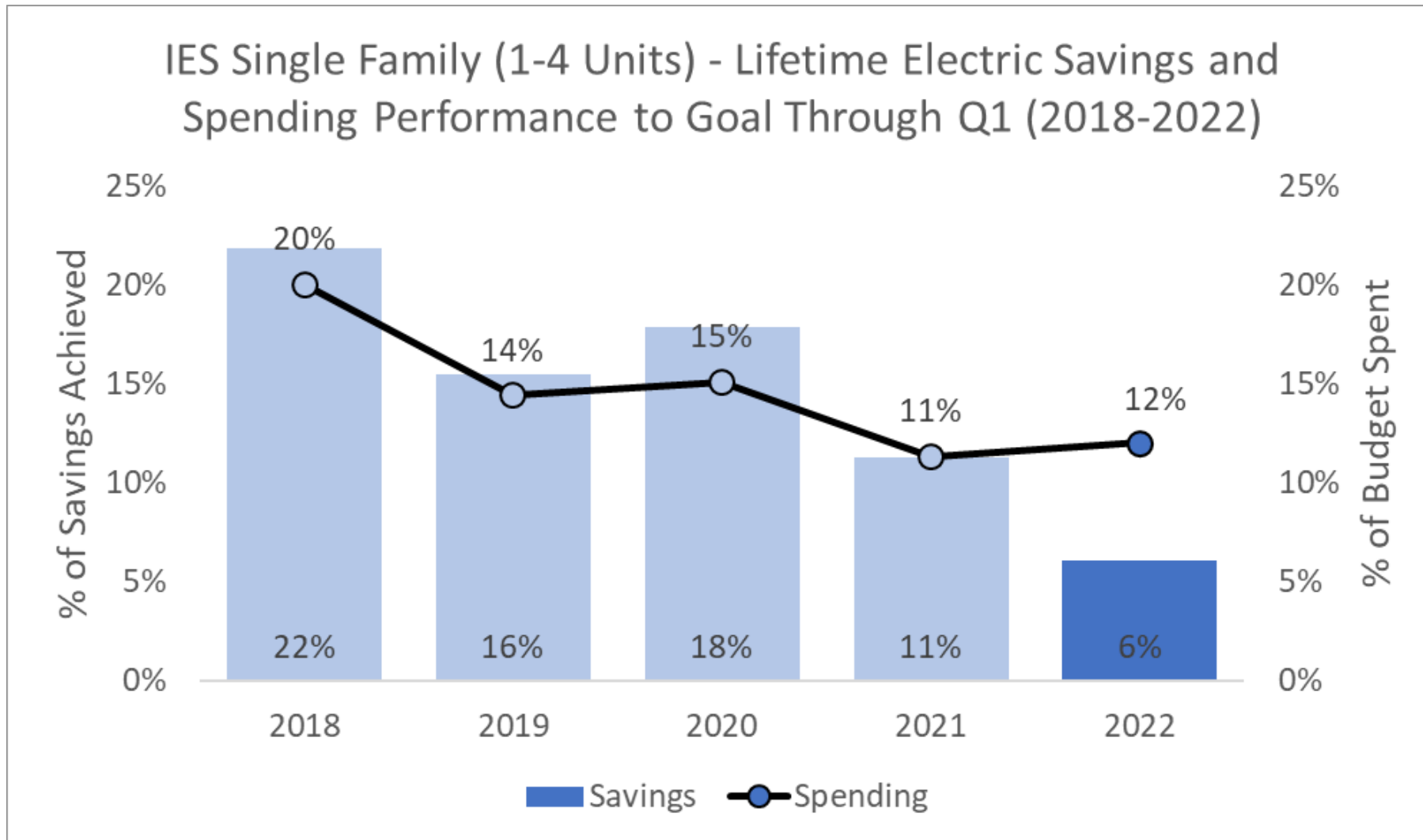


Electric IE Forecast



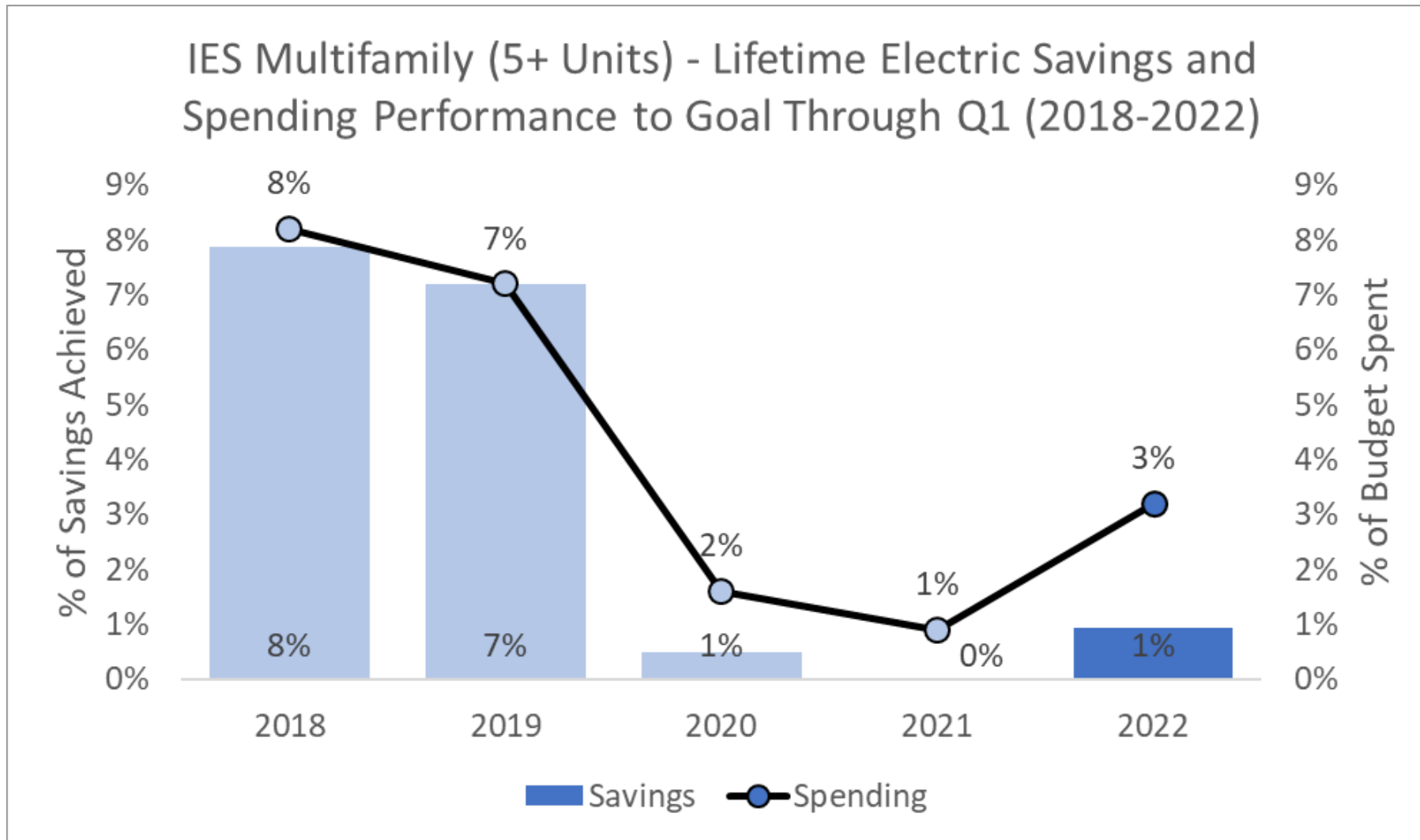


Electric IE Programs



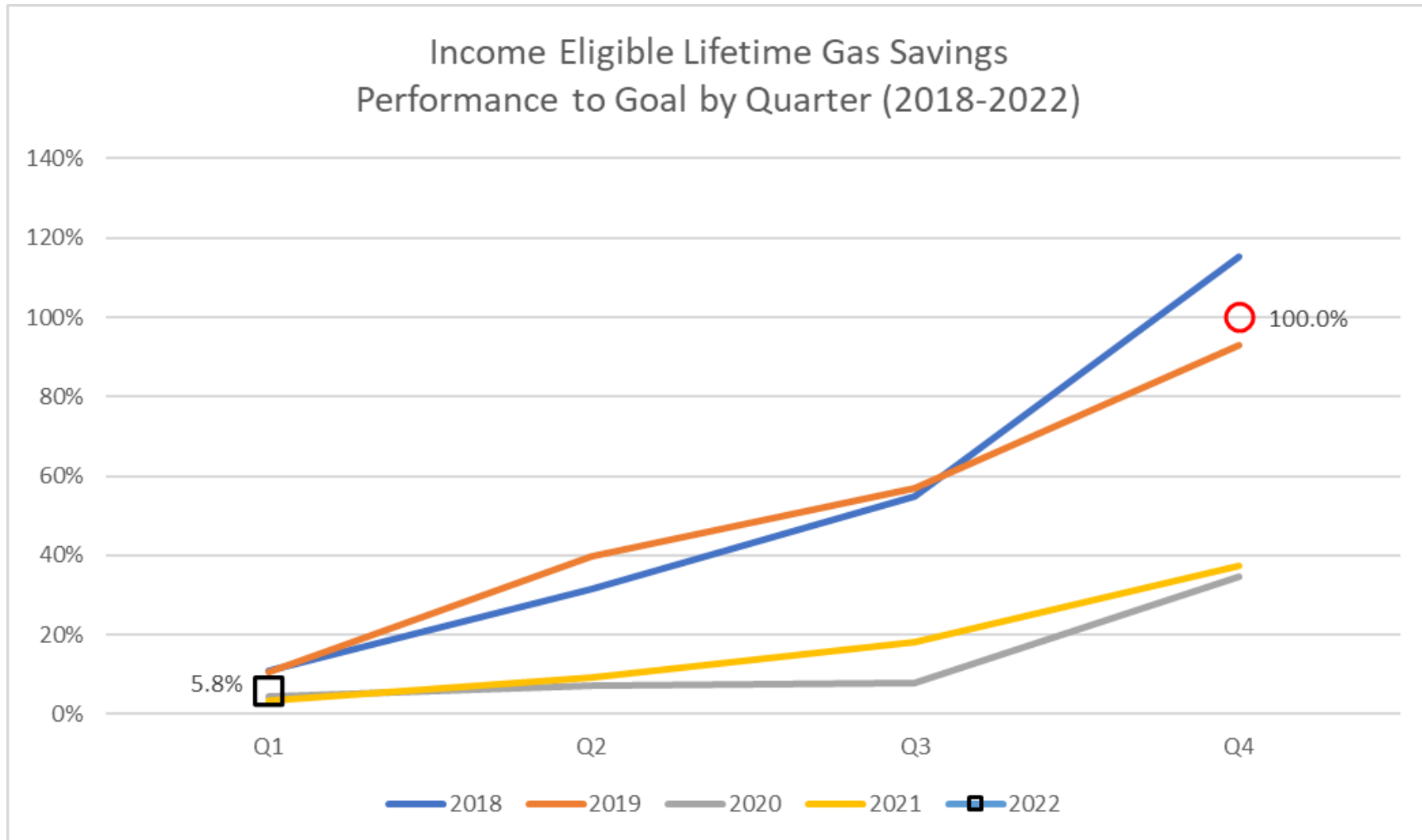


Electric IE Programs



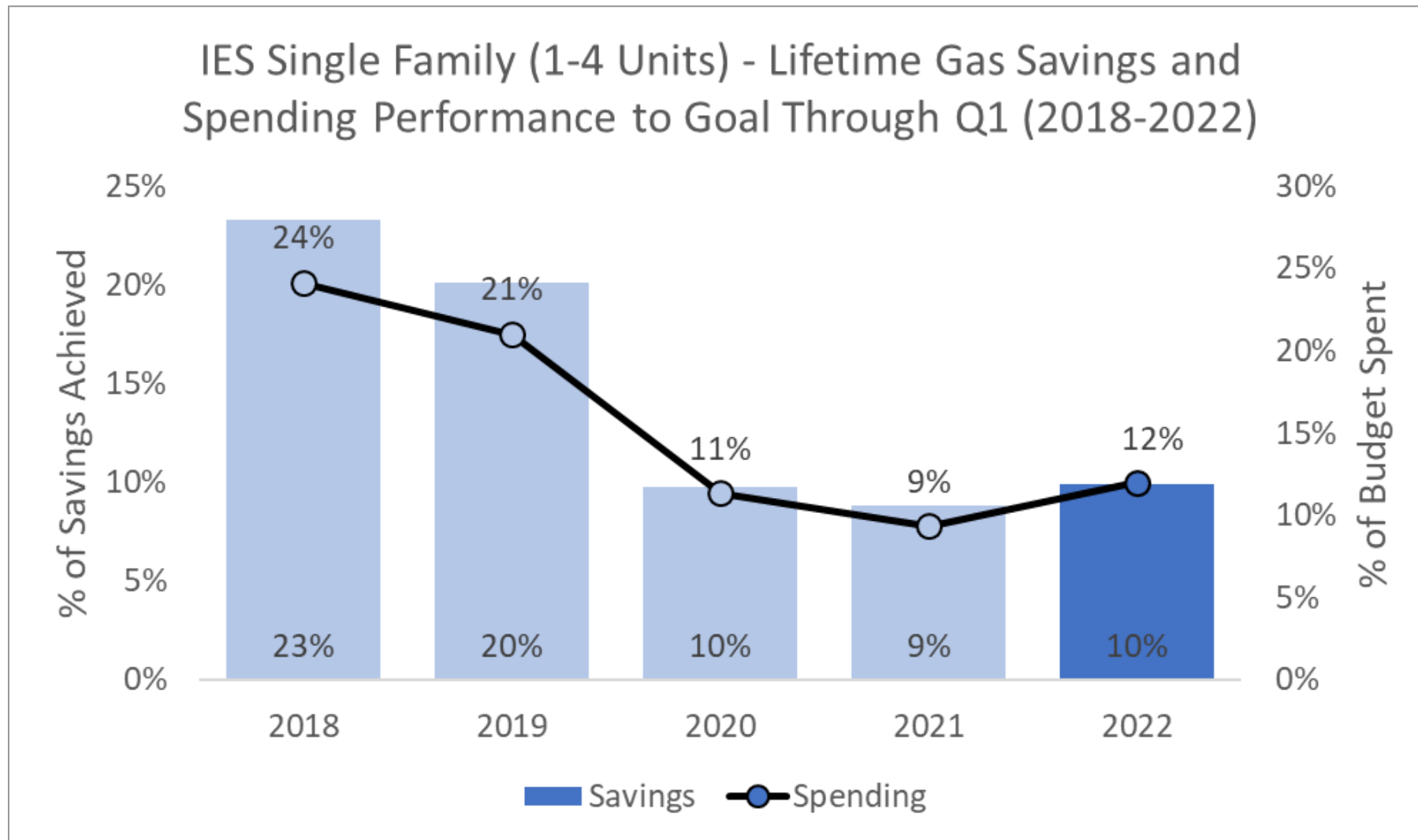


Gas IE Forecast





Gas IE Programs





Gas IE Programs

IES Multifamily (5+ Units) - Lifetime Gas Savings and Spending Performance to Goal Through Q1 (2018-2022)

