



STATE OF RHODE ISLAND

**ENERGY EFFICIENCY &
RESOURCE MANAGEMENT COUNCIL**

CONSULTANT TEAM

Review of the First Draft of the 2021-2023 Energy Efficiency & Conservation Procurement Plan

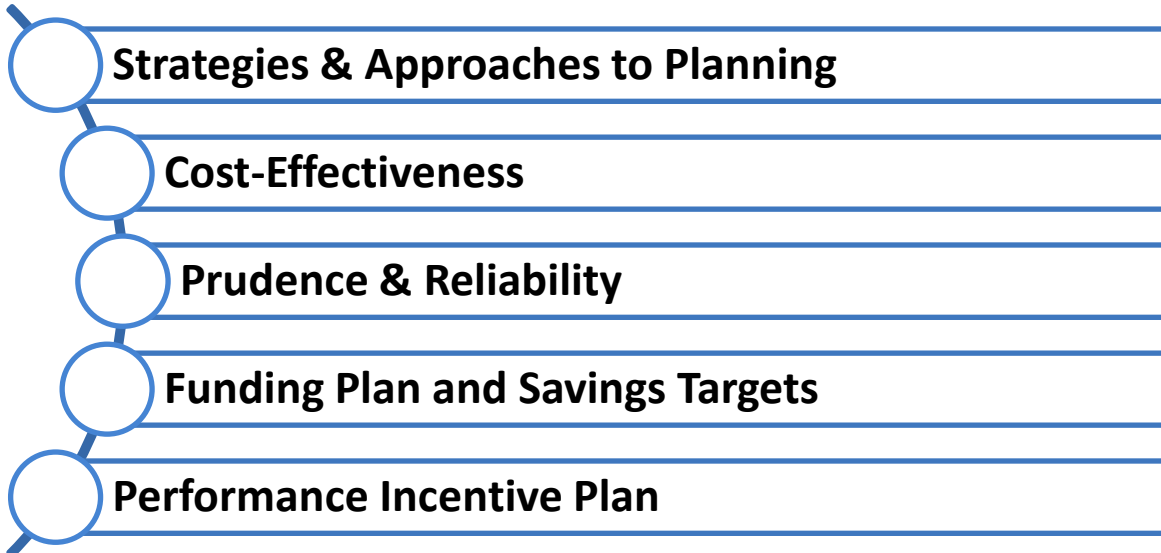
Presented By: EERMC Consultant Team

Date: June 18, 2020



The Three-Year Plan

- Due Triennially on September 1st.
- Grid is responsible for drafting and filing.
 - Grid Works closely with EERMC, C-Team, OER, and the Technical Working Group to draft the Plan.
- Primary Sections of the Plan:





Factors that Inform the Three-Year Plan

- Market Potential Study (MPS) & Resulting Targets
- Previous performance
- Program evaluations and pilots
- Evolving markets
- New and/or improved technologies
- State policy objectives



Three Year Plan and Targets

Key Efficiency Takeaways

First Draft Three-Year Plan came in below targets

This was generally expected

Closer to Low range of MPS / historical results

Largest deltas in both electric and gas are in HVAC, Envelope, and Hot Water measures

Gaps analysis covered in upcoming slides

Next steps to work with Grid & stakeholders to identify:

Opportunities to increase savings in 3YP by closing identified gaps

Documenting underlying causes of current gaps (barriers & constraints)



Notes on Gaps Analysis

Some categories could not be perfectly mapped

Grid's planned lighting measures in Three-Year Plan differ from agreed-upon MPS measure list

- Not inherently an issue

- Need more granular data to assess impact

Income-eligible sector comparisons still being assessed

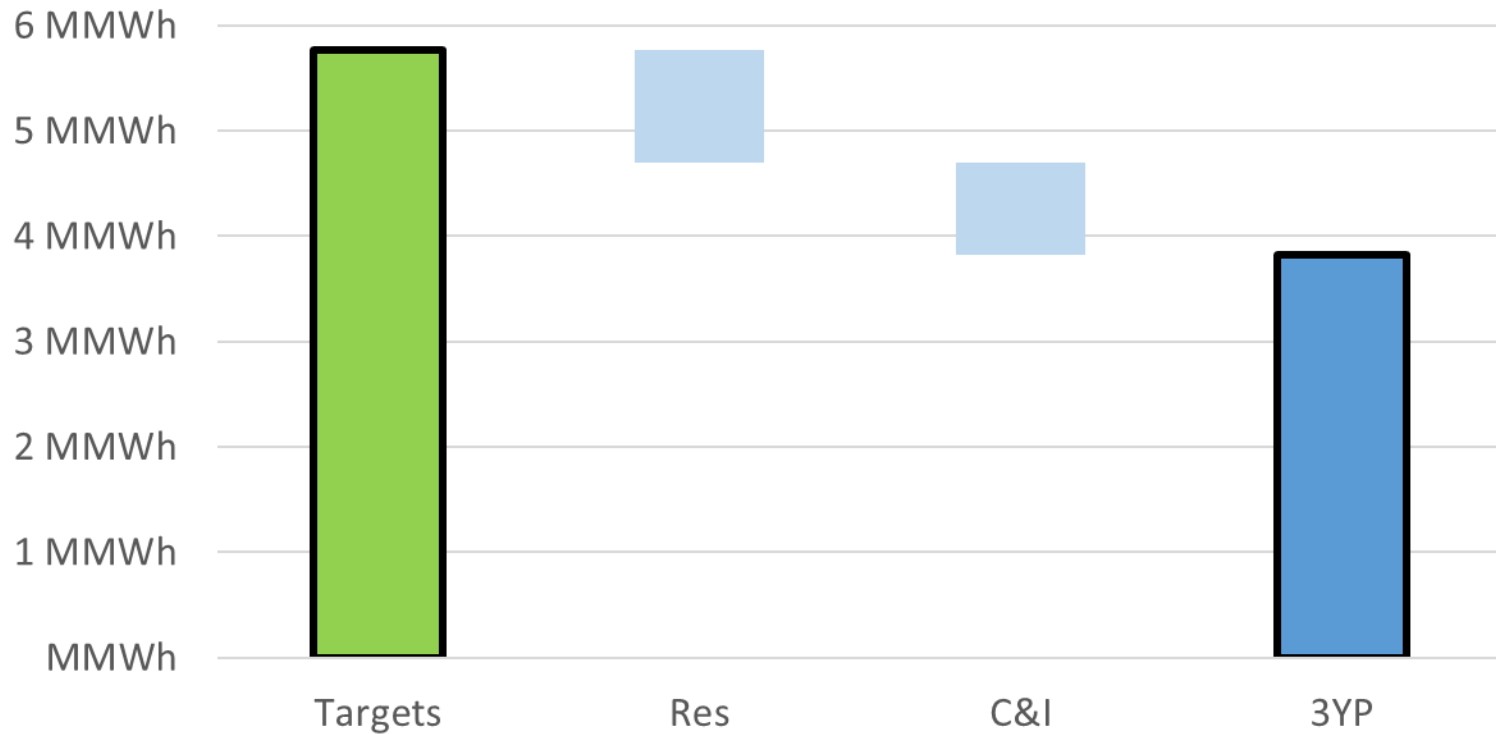


ELECTRIC HIGH-LEVEL RESULTS



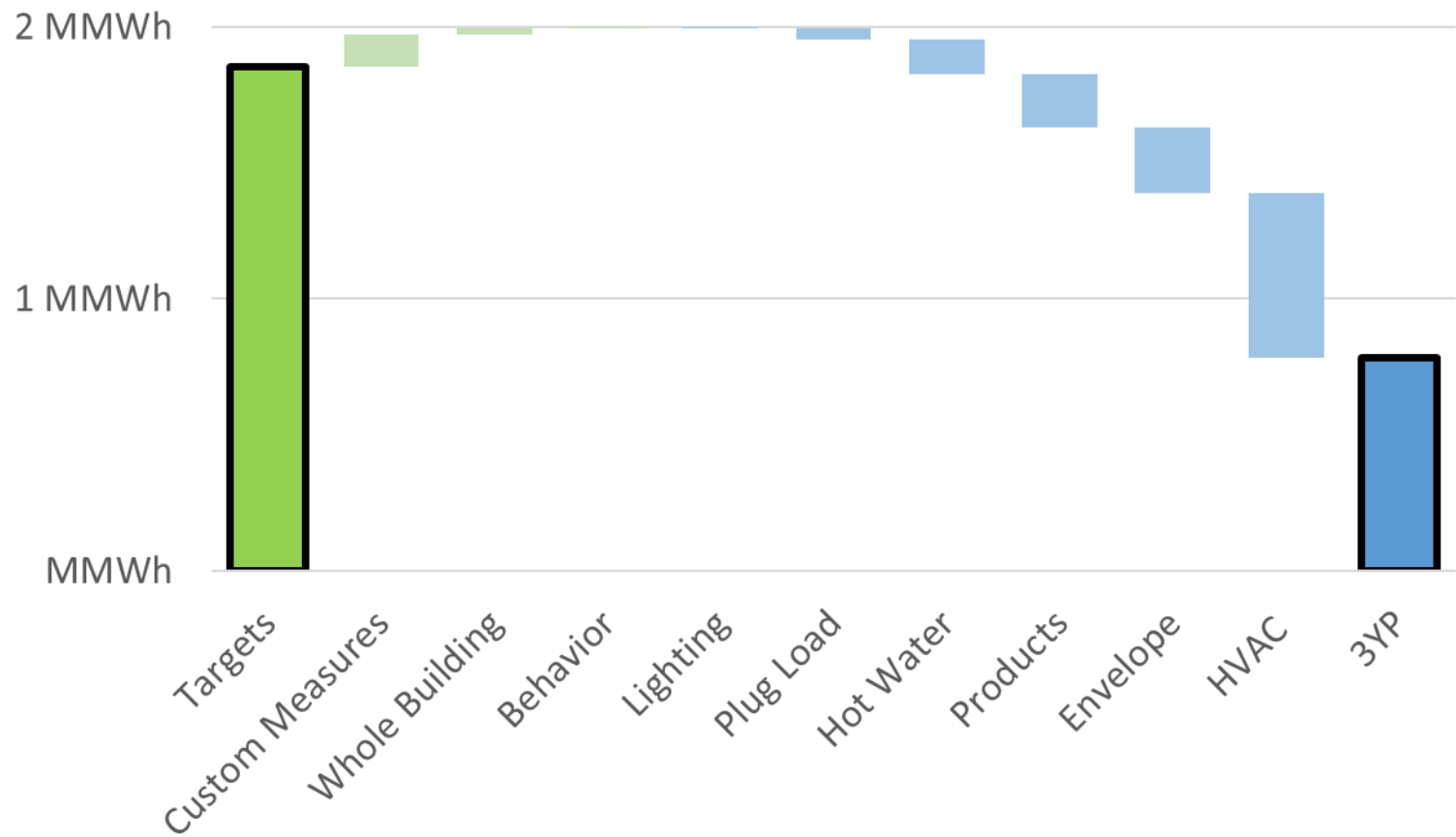


Electric Portfolio (Lifetime MWh, 2021-2023)



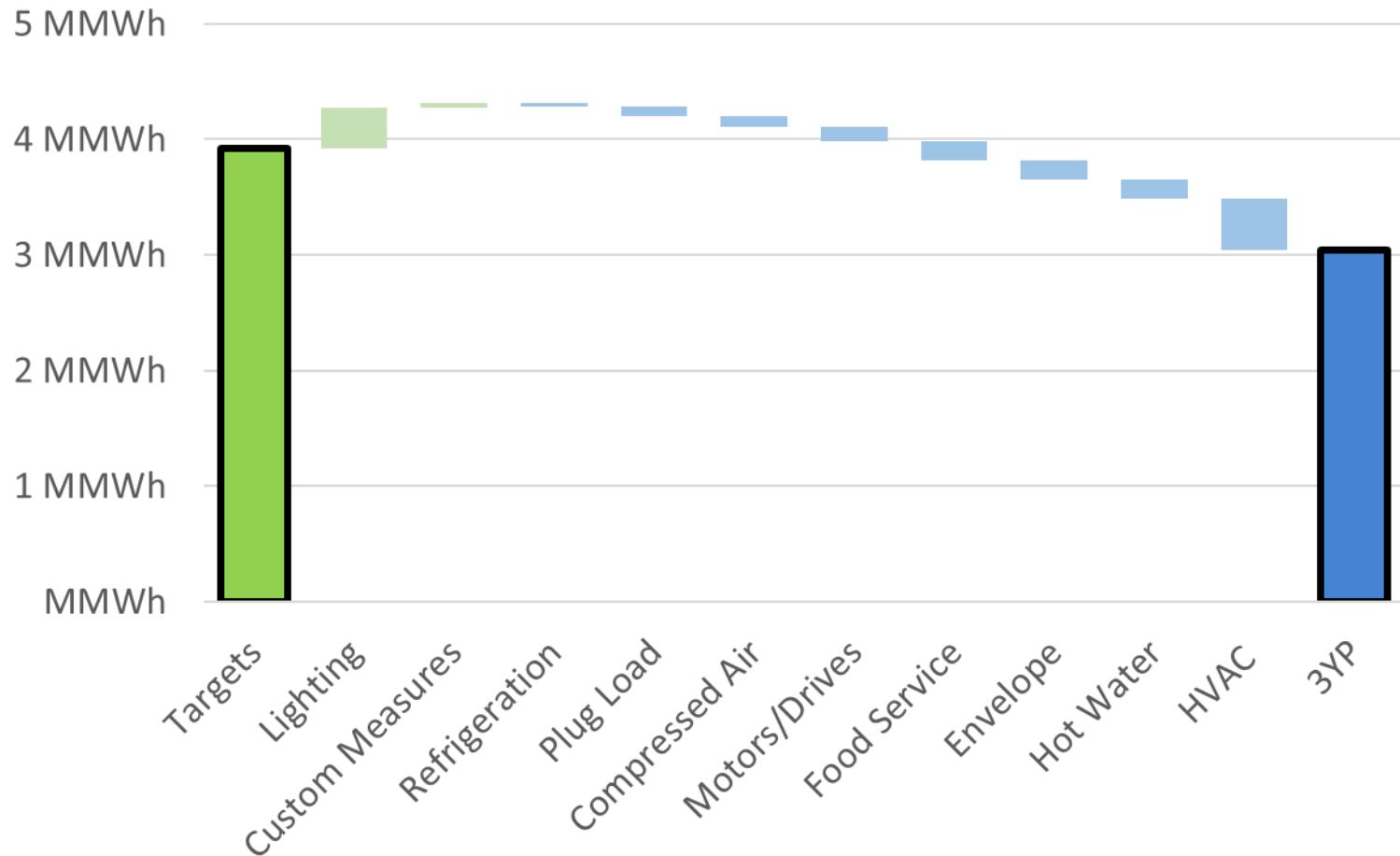


Electric Residential (Lifetime MWh, 2021-2023)





Electric C&I (Lifetime MWh, 2021-2023)



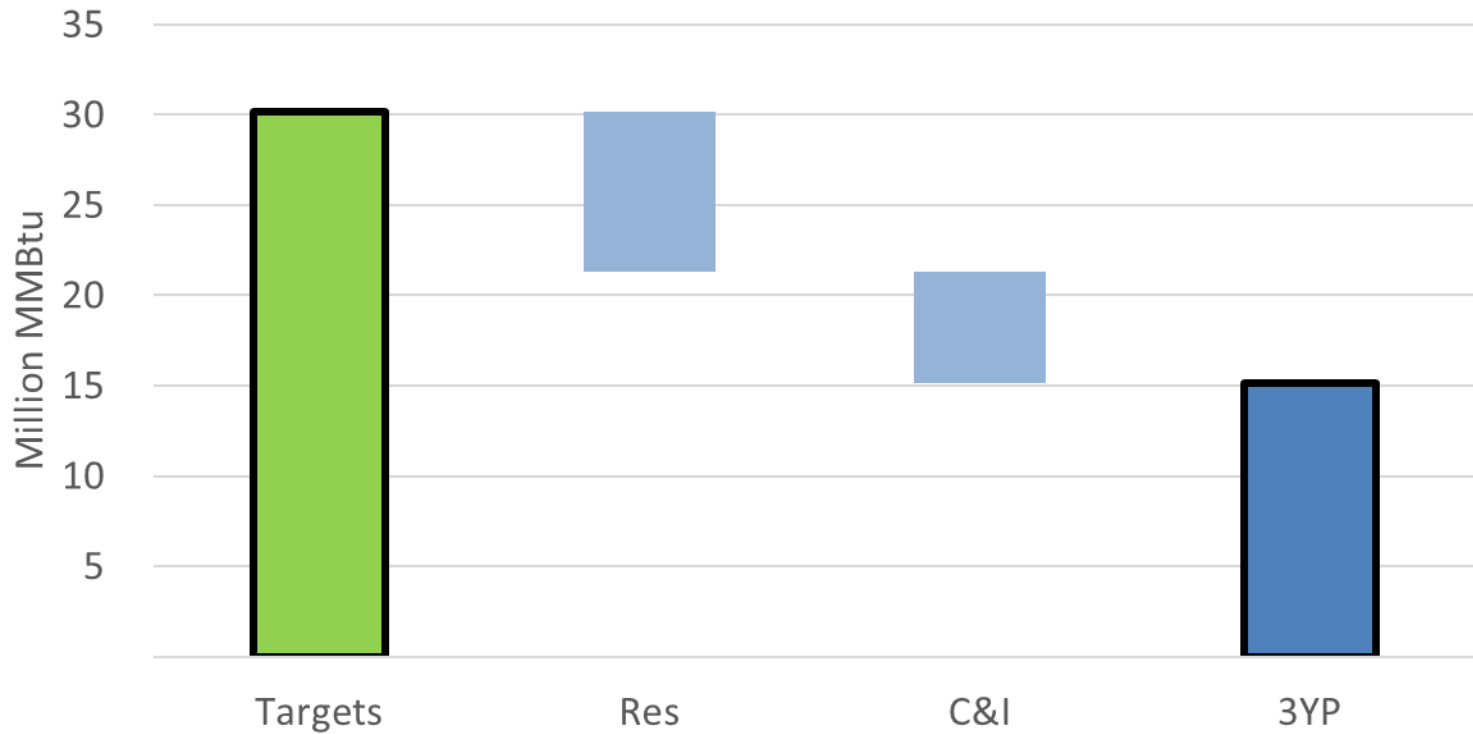


GAS HIGH-LEVEL RESULTS



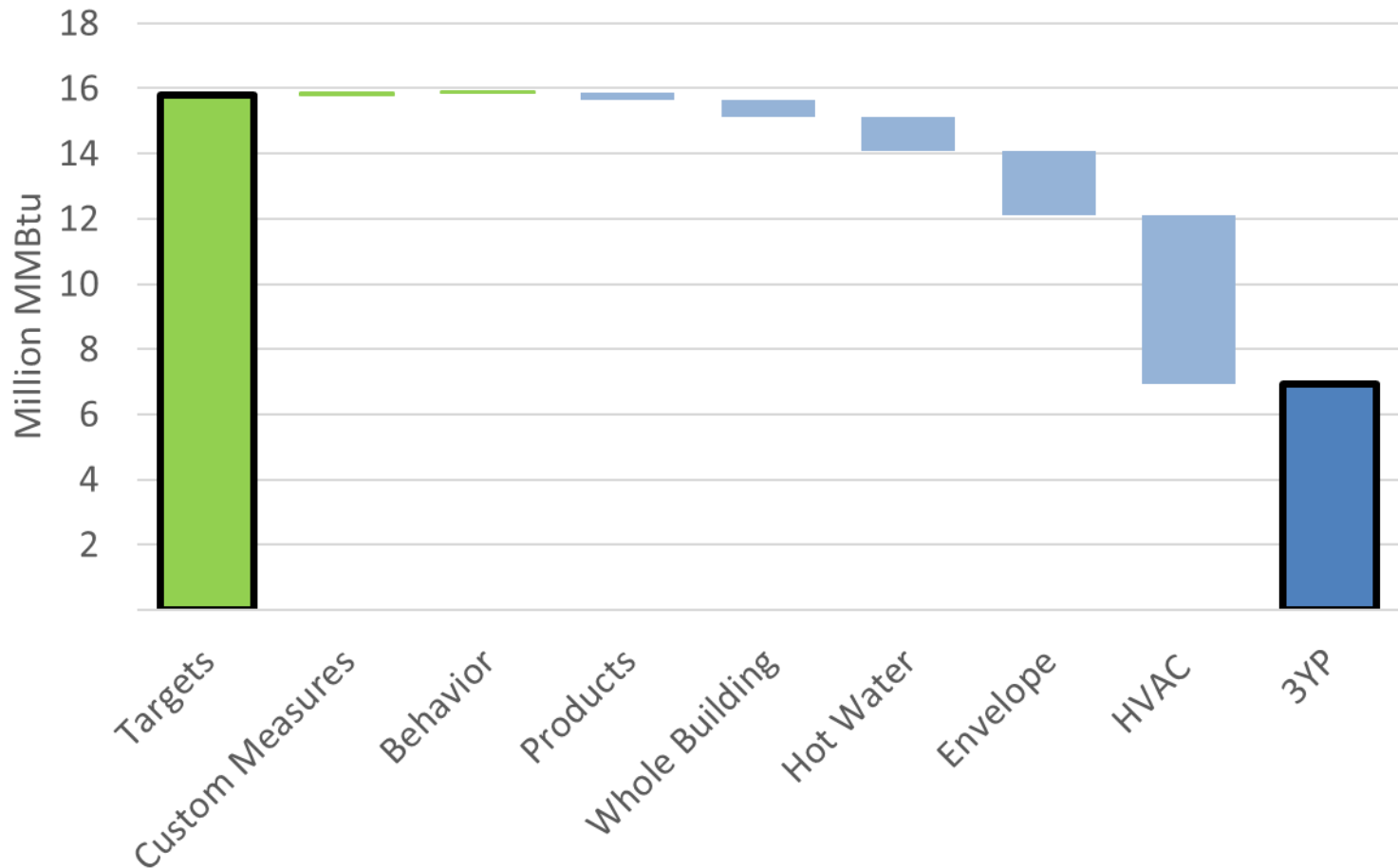


Gas Portfolio (Lifetime Million MMBtu , 2021-2023)



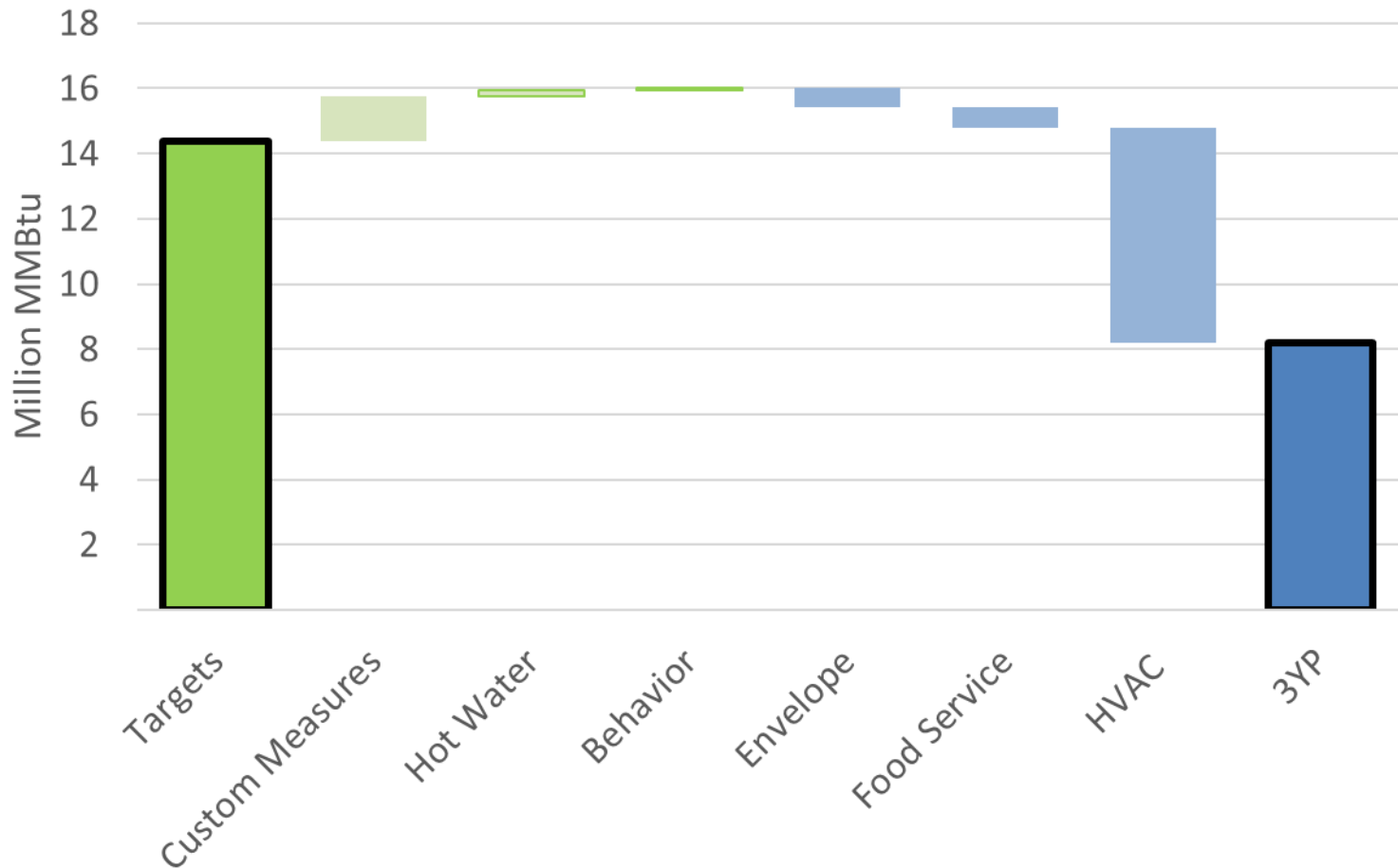


Gas Residential (Lifetime Million MMBtu , 2021-2023)





Gas C&I (Lifetime Million MMBtu , 2021-2023)





Barriers



Near-Term Economic Impacts



Impacts from COVID-19



Workforce



Technology & Supply



Access to Capital



Consumer Awareness

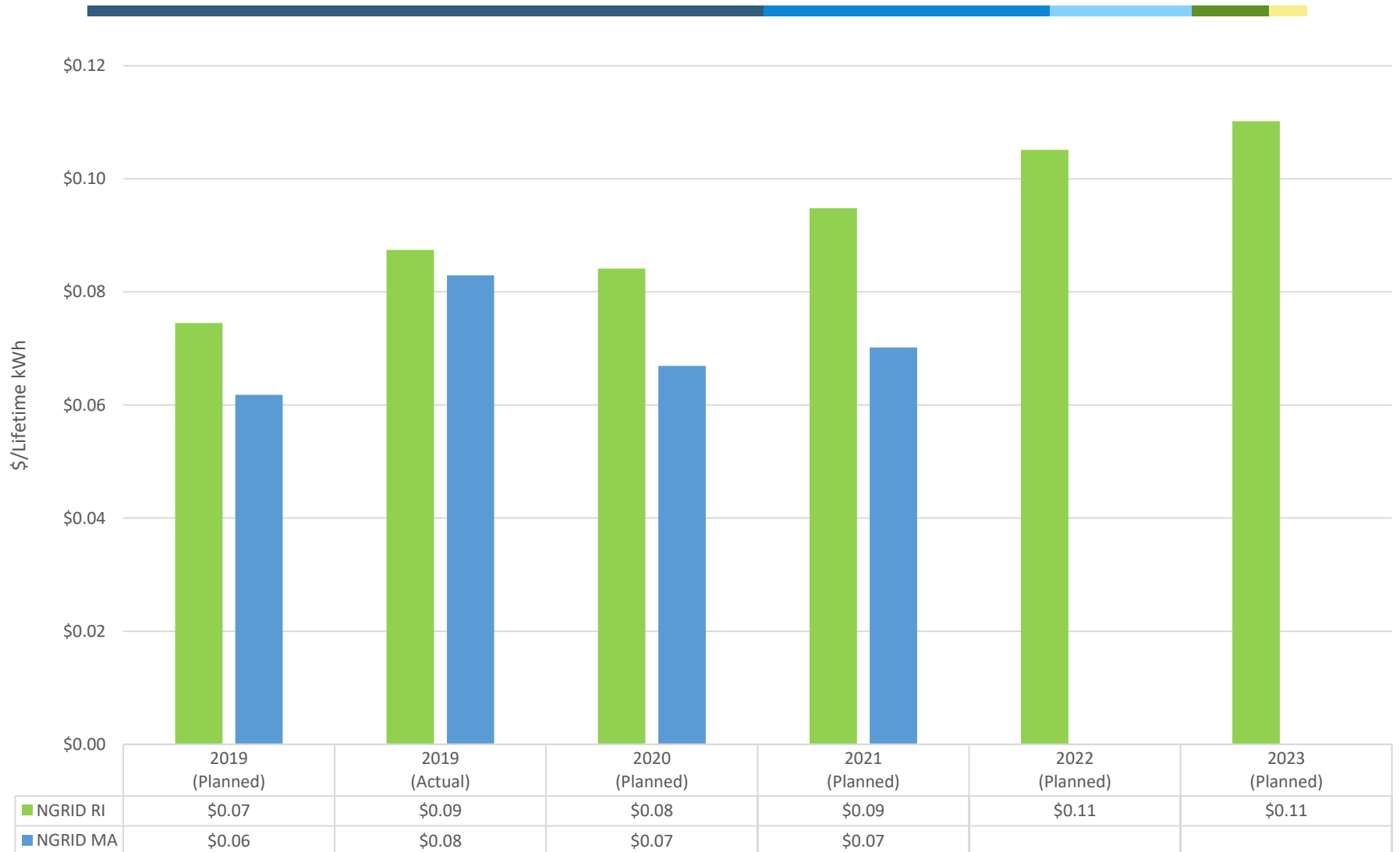


Others?



Electric Portfolio Cost to Achieve

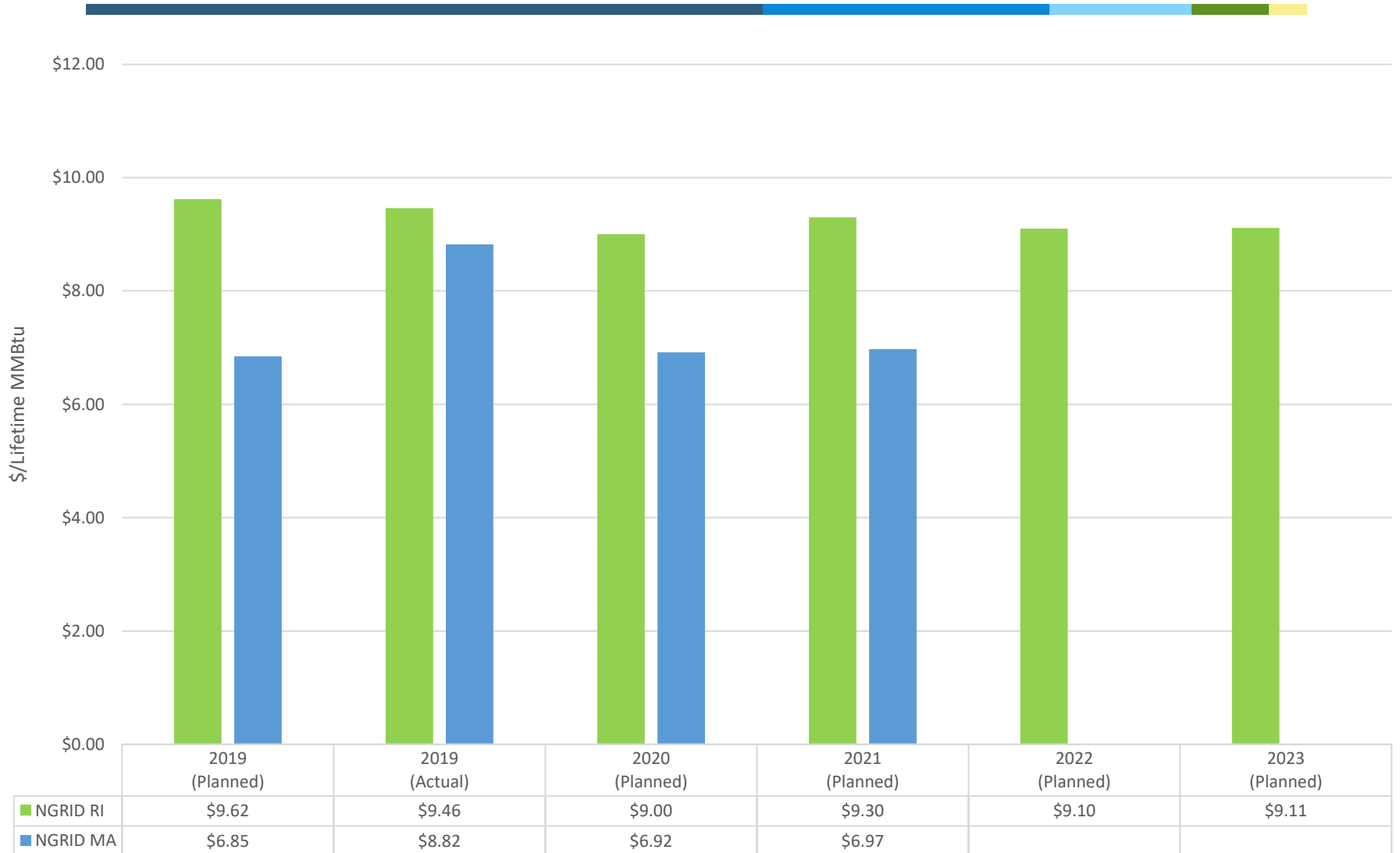
(Total Expenditures/Lifetime kWh)





Gas Portfolio Cost to Achieve

(Total Expenditures/Lifetime MMBtu)





Next Steps

-
- Comments on First Draft by **Friday 7/3**
 - Second/Final Draft Distributed by **Thursday 8/13**
 - Council to Vote on Final Draft on **Thursday 8/20**
 - National Grid to file Plan with PUC by **Tuesday 9/1**
 - C-Team, OER, Division will have continuous ongoing engagement with National Grid staff throughout the process

*Timeline based on National Grid's current schedule. This timeline could change if the Company elects to use the PUC's option of a joint Three-Year and 2021 Annual Plan filing.



QUESTIONS?





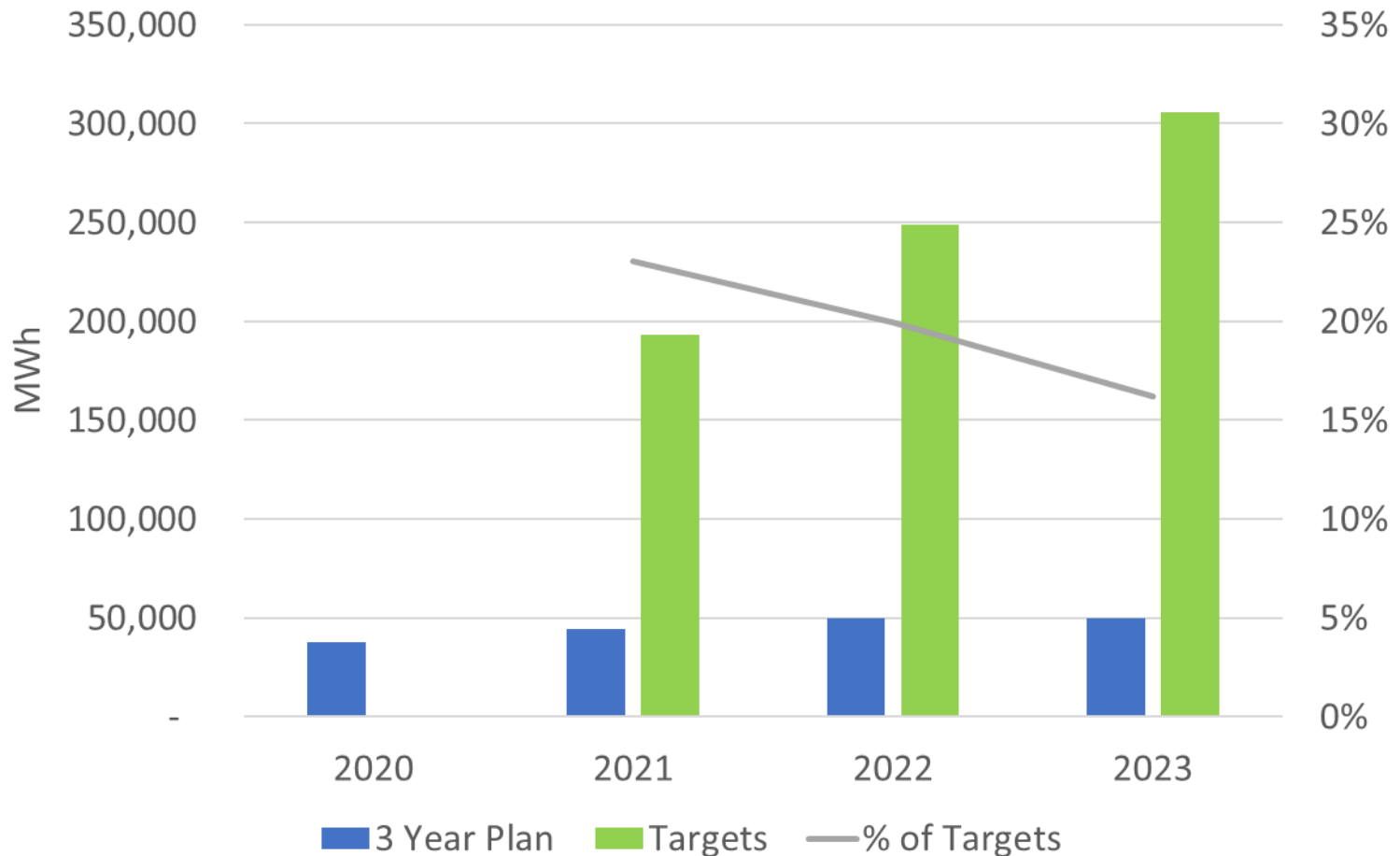
The deepest savings opportunity identified in the RI MPS

APPENDIX 1: FOCUSING IN ON HVAC



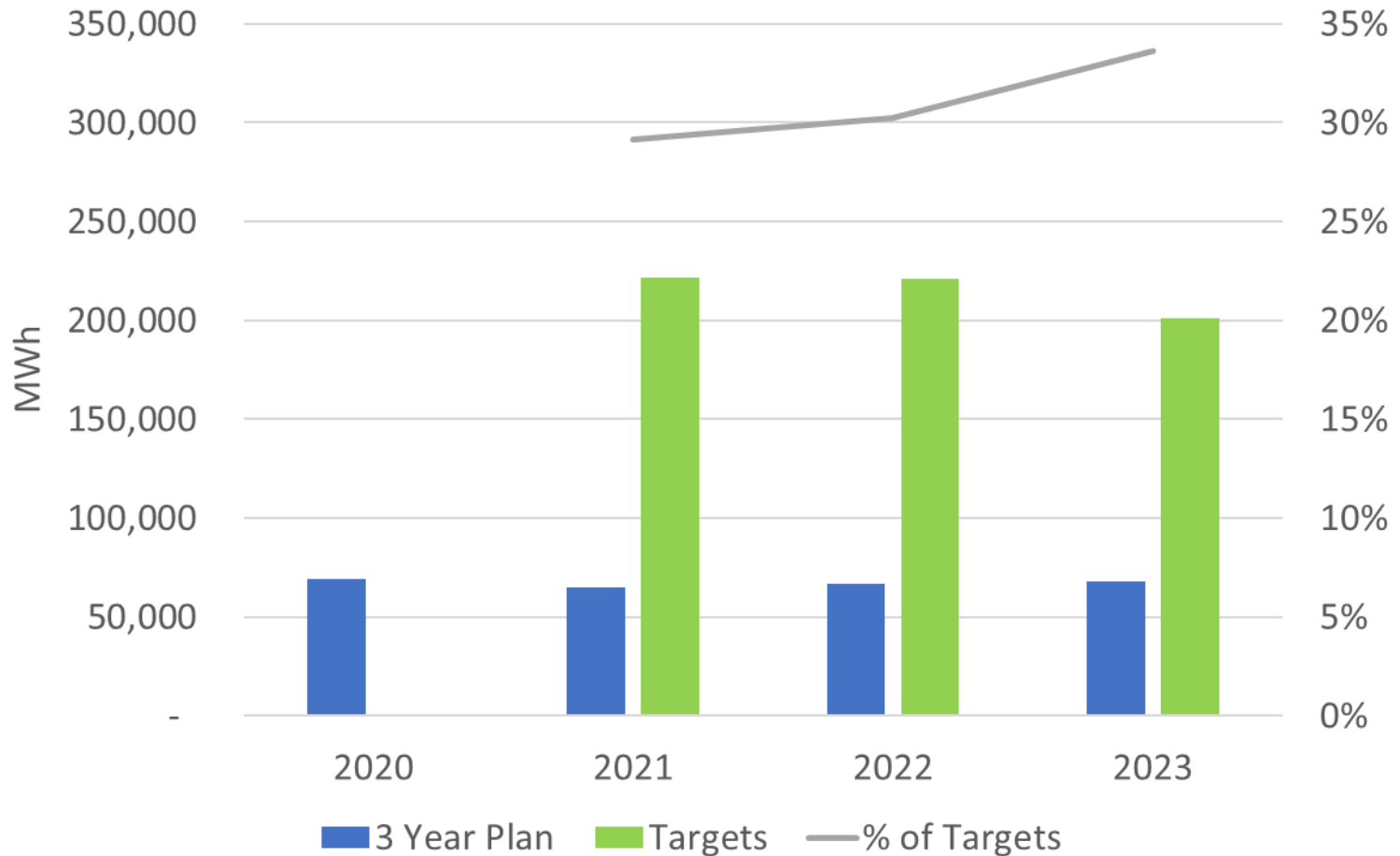


Electric Residential HVAC (Lifetime MWh)



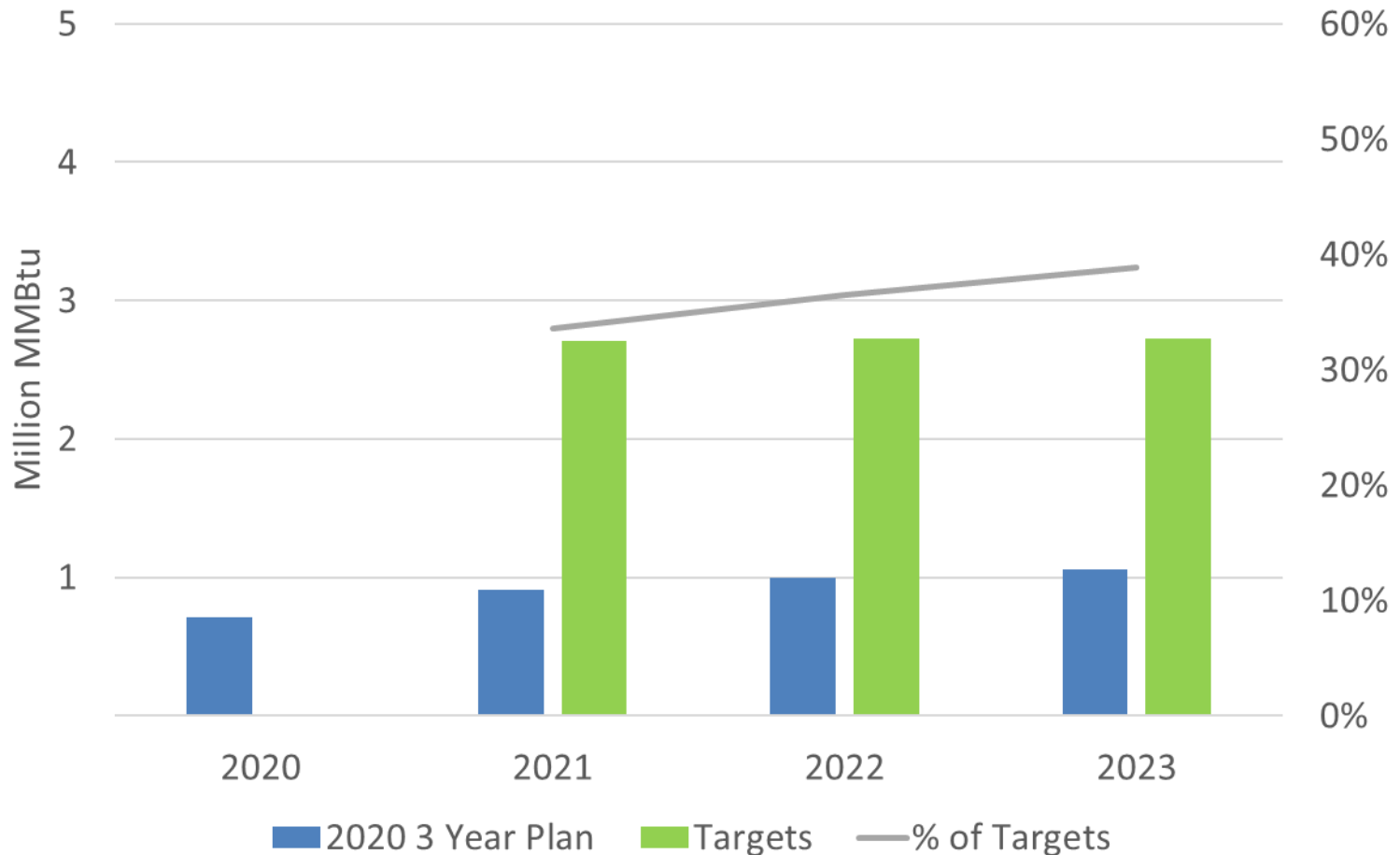


Electric C&I HVAC (Lifetime MWh)





Gas Residential HVAC (Lifetime Million MMBtu)





Gas C&I HVAC (Lifetime Million MMBtu)

