GEORGETOWN CLIMATE CENTER

Transportation GHG Emission Outcomes from Bipartisan Infrastructure Law in New Jersey

Webinar

January 20, 2023

James Bradbury, GCC, Mitigation Program Director

Overview

- Opportunity for NJ to further decarbonize transportation
- We estimate $16.7 billion in surface transportation funding for NJ in the Bipartisan Infrastructure Law (BIL)
- A range of emissions outcomes could result from investment scenarios modeled using GCC's Transportation Investment Strategy Tool
- State policies and investment decisions will be critical to bend the curve down on transportation emissions

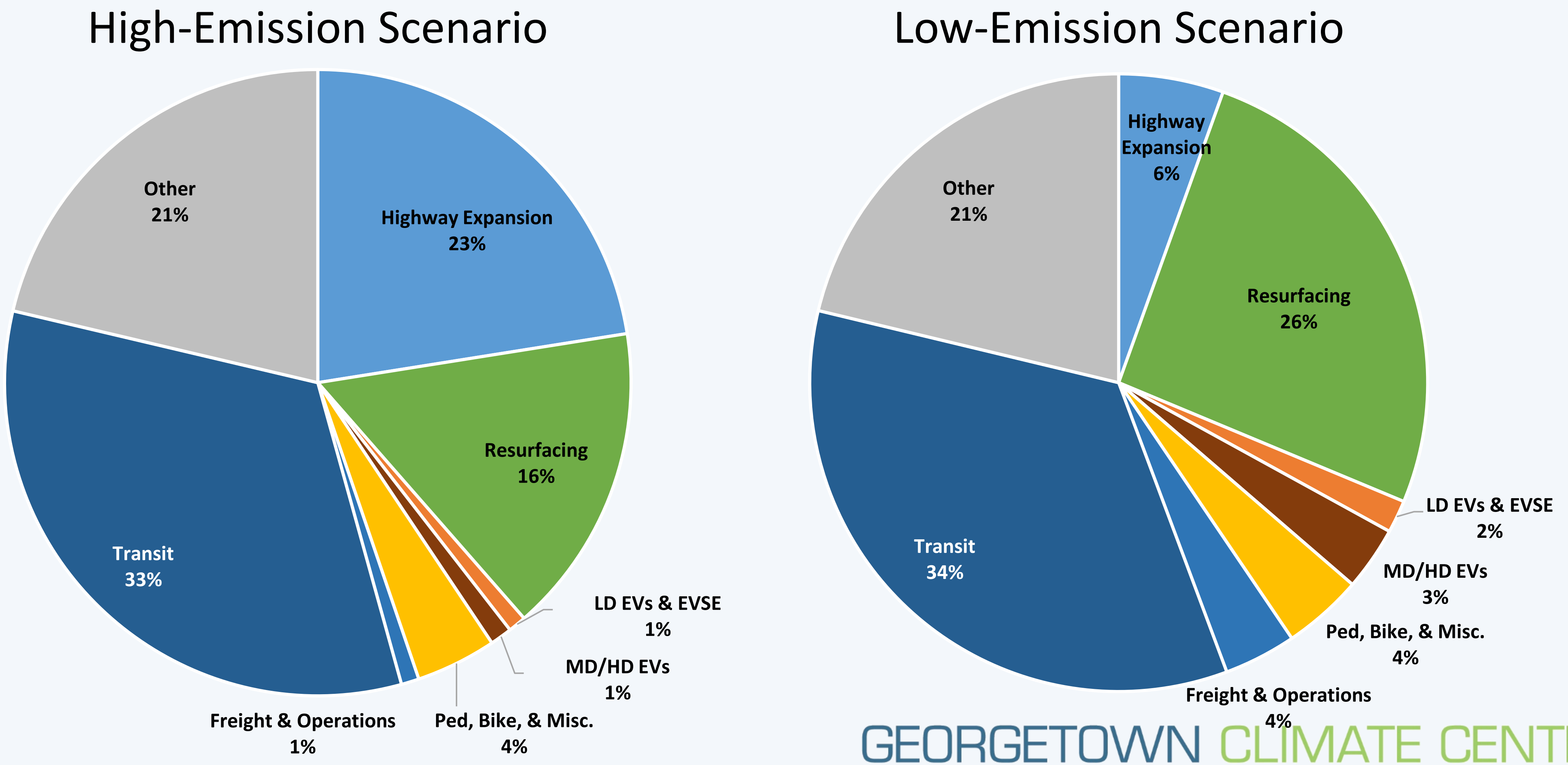
GEORGETOWN CLIMATE CENTER

Transportation & Climate Leadership in New Jersey

- Transportation accounted for 39% of statewide GHG emissions in 2019
- Estimated 87% reduction in transportation emissions needed to meet NJ 80x50 climate goal
- NJ is a leader on EV regulations and investments
- BIL is an opportunity to leverage federal funding to further shift transportation away from fossil fuel-powered vehicles

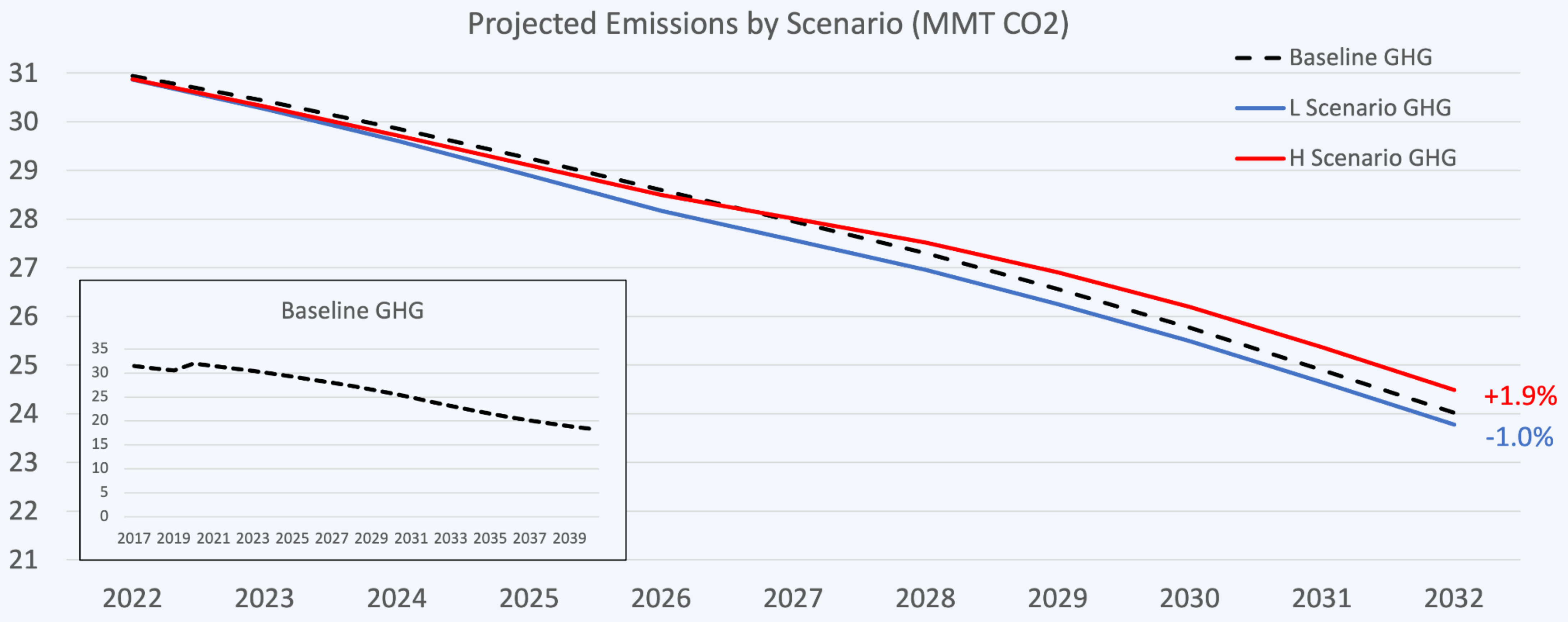
Inputs: Two illustrative/ potential investment scenarios over 5 years

BIL includes $599 billion for transportation - NJ share is ~ $16.7 billion



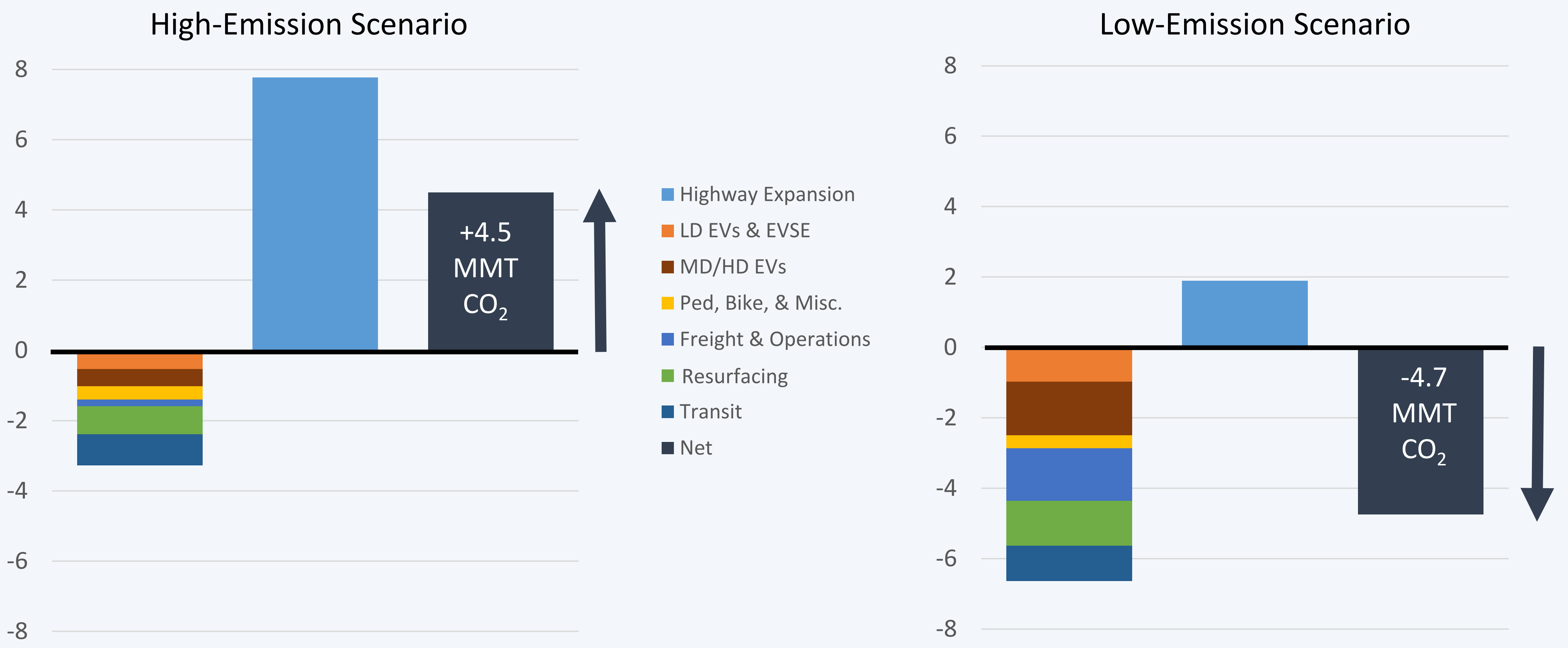
GEORGETOWN CLIMATE CENTER

BIL Results for NJ: Potential to bend the curve down, but investment decisions matter



GEORGETOWN CLIMATE CENTER

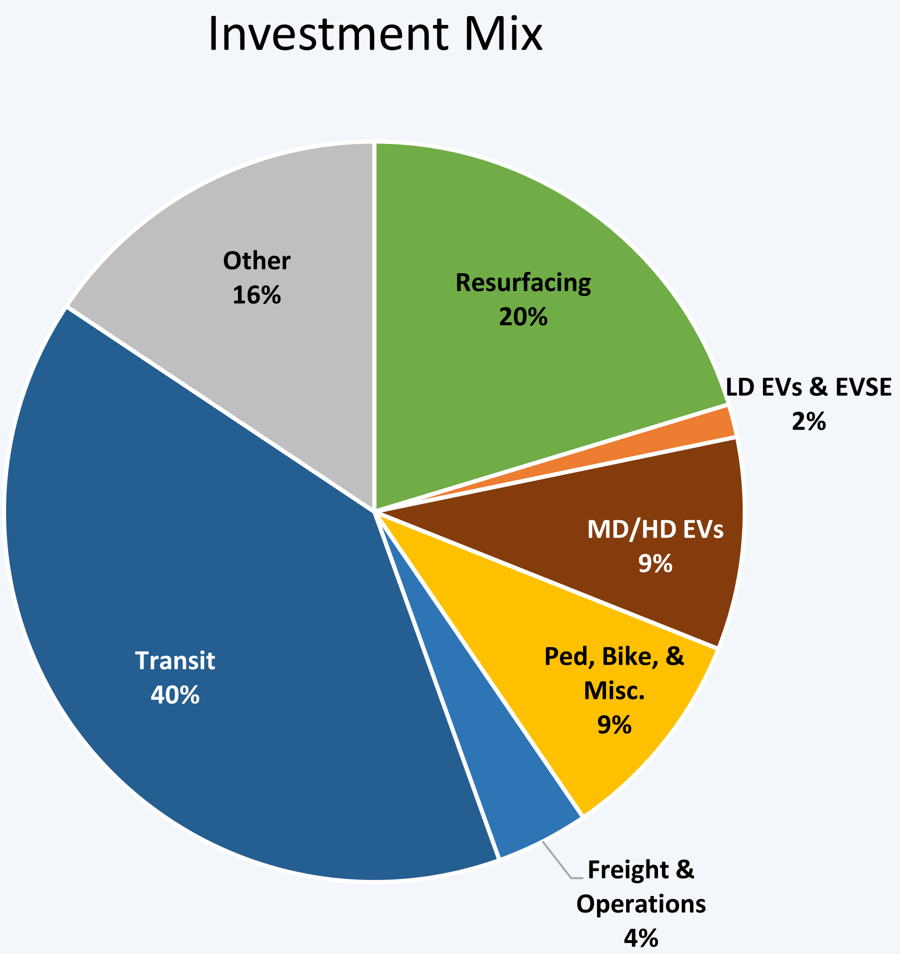
BIL long-term: Percentage of funding invested in highway expansion vs. other strategies is main driver of emissions outcomes

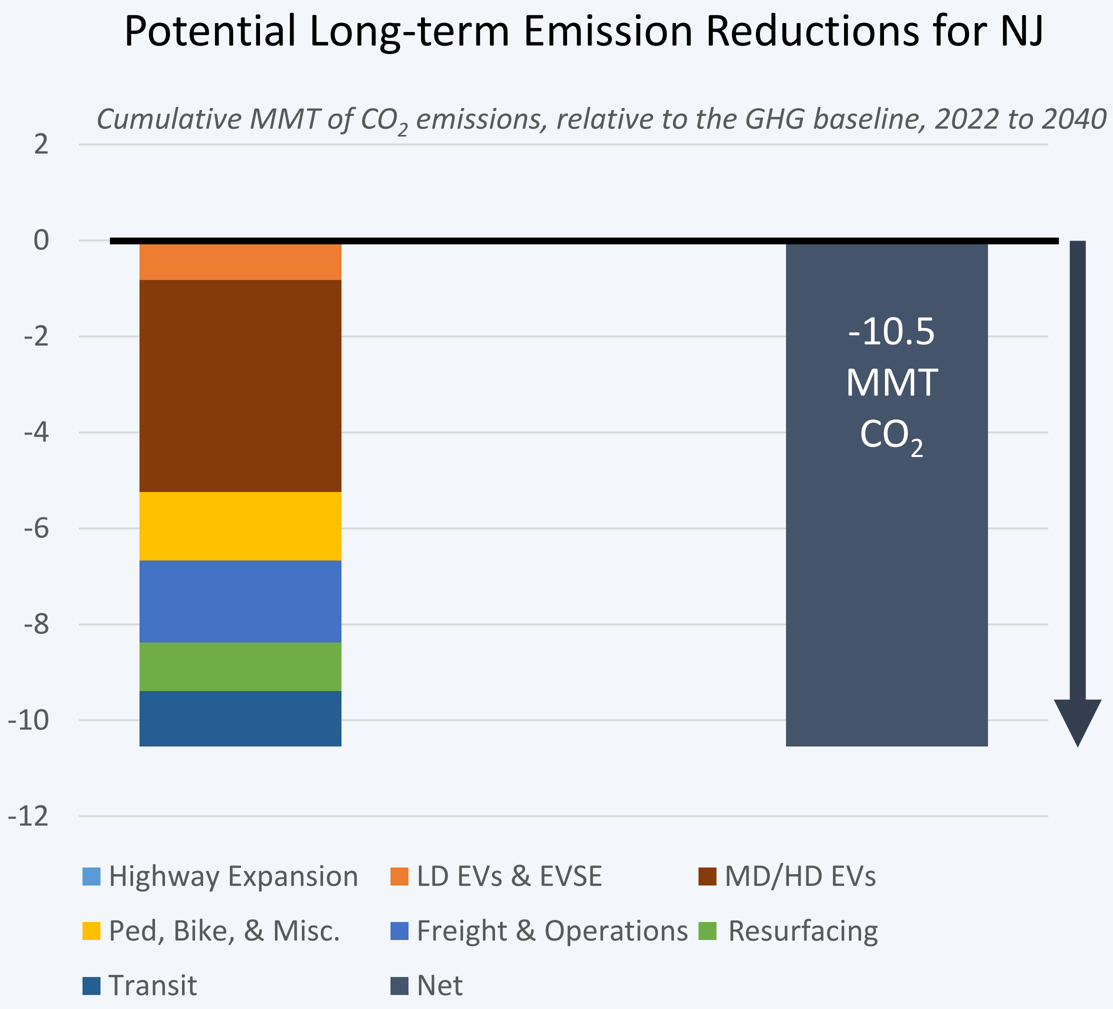


Note: Charts show cumulative MMT of CO_2 emissions, relative to the GHG baseline, 2022 to 2040.

GEORGETOWN CLIMATE CENTER

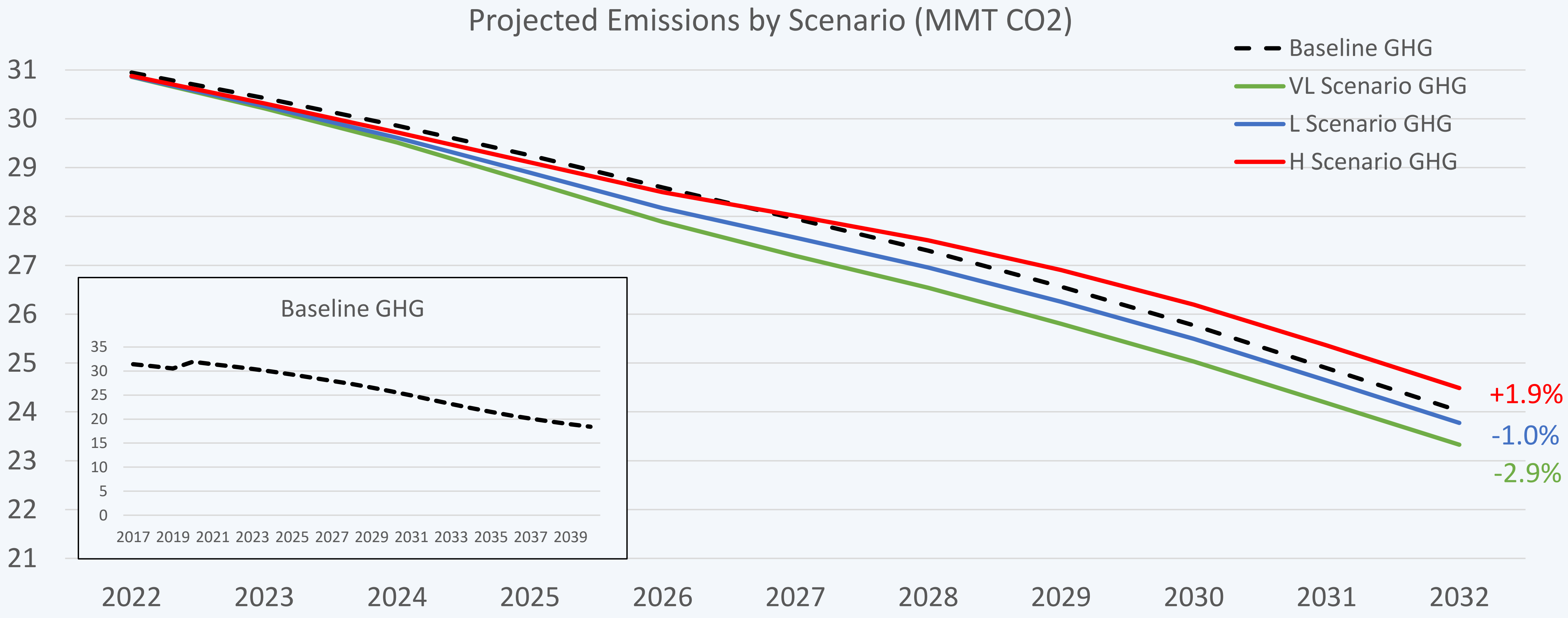
Very low-emission scenario: could potentially double long-term reductions





GEORGETOWN CLIMATE CENTER

BIL Results for NJ: 5% range in emissions outcomes, in 2032



GEORGETOWN CLIMATE CENTER

Policy Considerations

- Transportation investment decisions affect emissions outcomes
- The BIL presents an opportunity to reduce emissions, particularly if the whole investment portfolio is aligned with climate goals
- DOTs could start accounting for GHG emissions when making investment decisions
- Climate-minded transportation project proposals could bring in additional federal funding through competitive federal grant programs

Thank you!

For more information, please visit: georgetownclimate.org

Connect with us on social media:

@Climate_Center

@GeorgetownClimate

Contact:

james.bradbury@georgetown.edu

GEORGETOWN CLIMATE CENTER