

# WELCOME REMARKS



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WSP Welcome

# NYCHA Electrification Summit

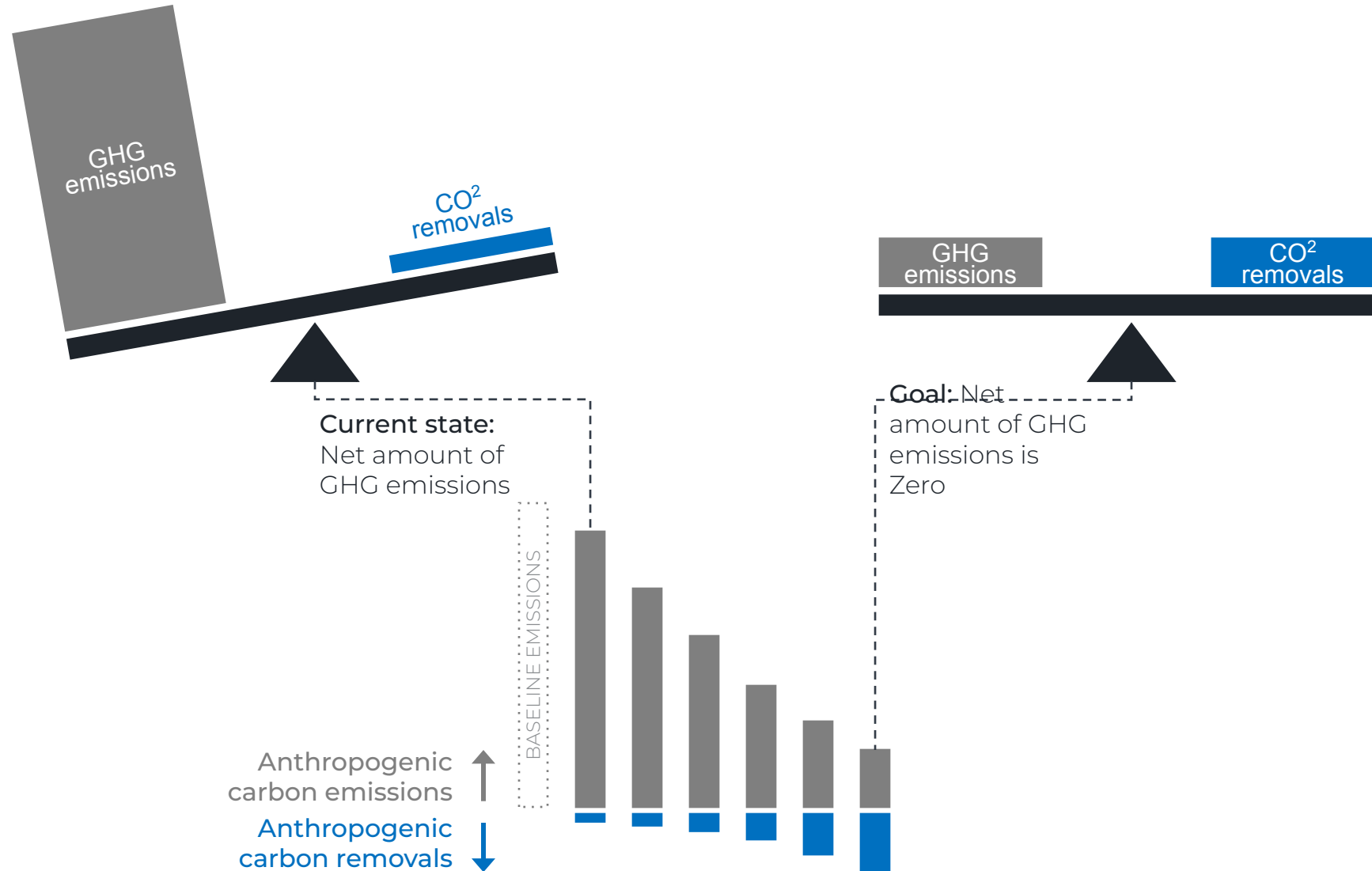


**Future Ready<sup>®</sup>** is

WSP's approach to future challenges using a forward-looking, solutions-oriented mindset and framework.

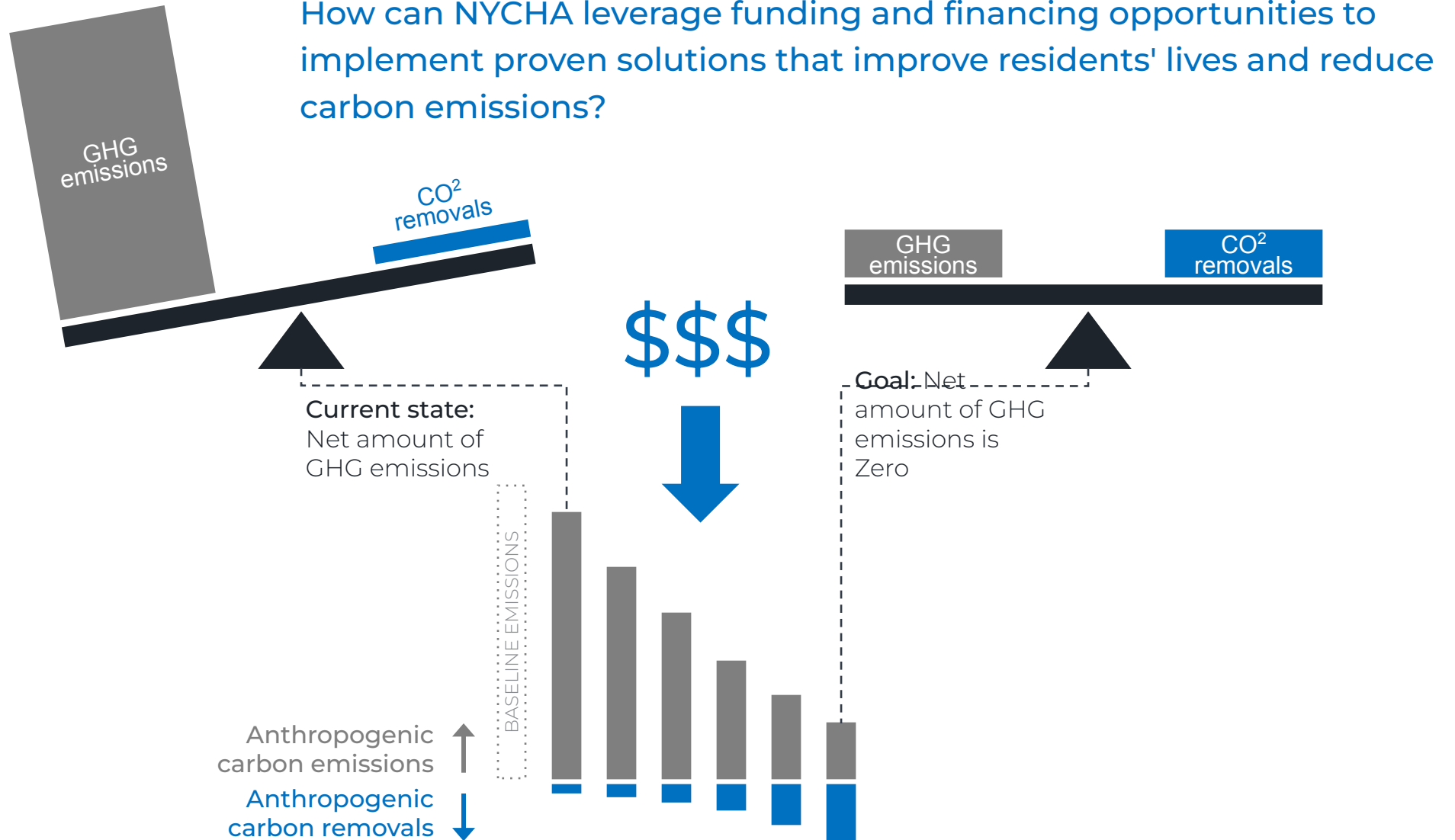
**Built Ecology** is WSP's integrative approach to creating sustainable, healthy, resilient, and equitable built environments.

# Navigating the transition to Net Zero.



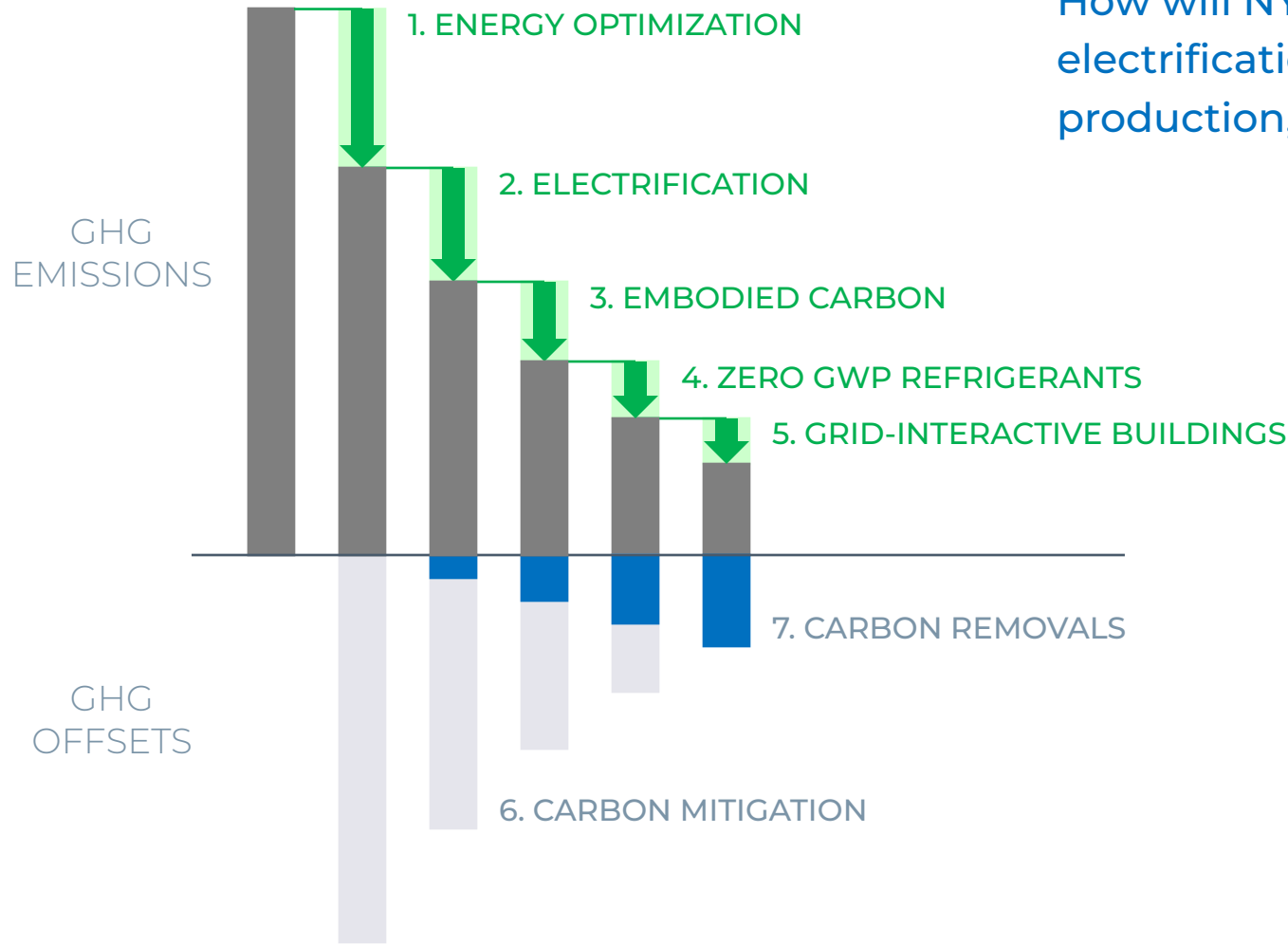
# Navigating the transition to Net Zero.

How can NYCHA leverage funding and financing opportunities to implement proven solutions that improve residents' lives and reduce carbon emissions?



# Levers for driving the transition to Net Zero.

How will NYCHA drive energy efficiency, electrification, renewable energy production, and other Net Zero levers?

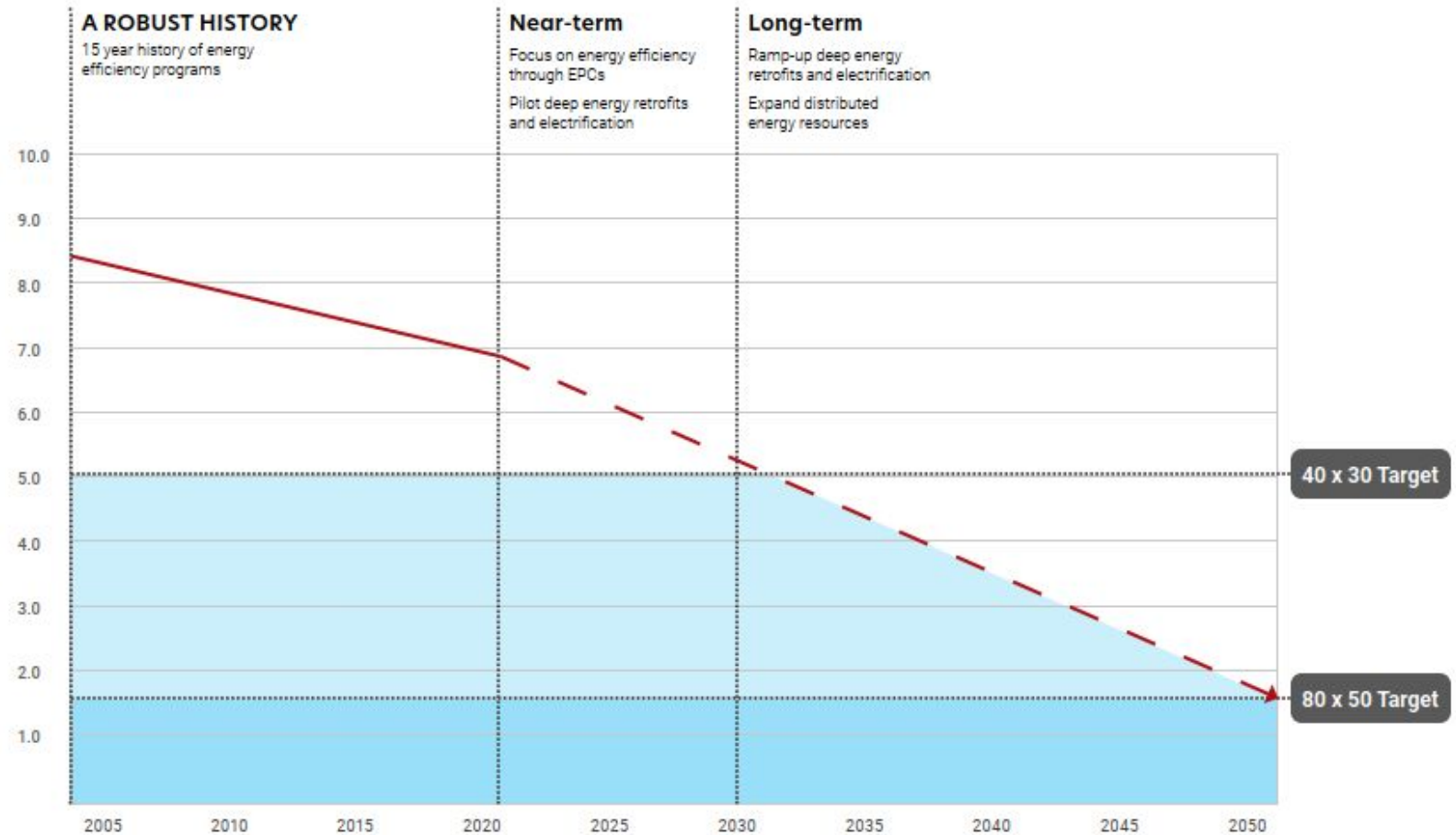


# NYCHA's Carbon and Energy Strategies

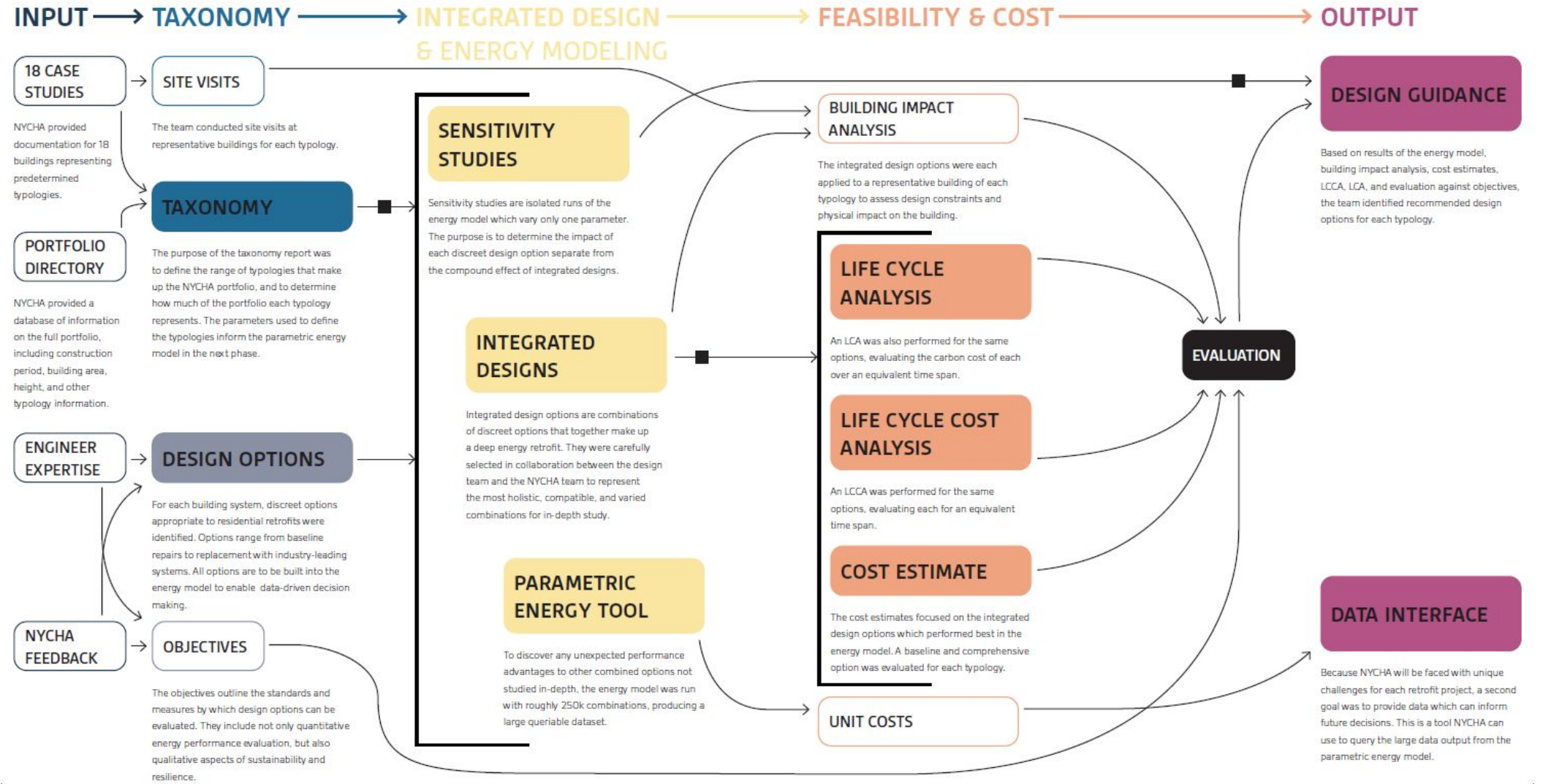
Achieving 80x50 requires multiple strategies

**NYCHA historical and target emissions graph, BAU, 80x50 scenarios**  
 Thousand metric tons of carbon dioxide equivalent (MtCO<sub>2</sub>e)

- Implement NYCHA's GHG reduction roadmap
- Advance electrification and deep energy retrofits
- Expand distributed energy resources
- Expand electric vehicle program



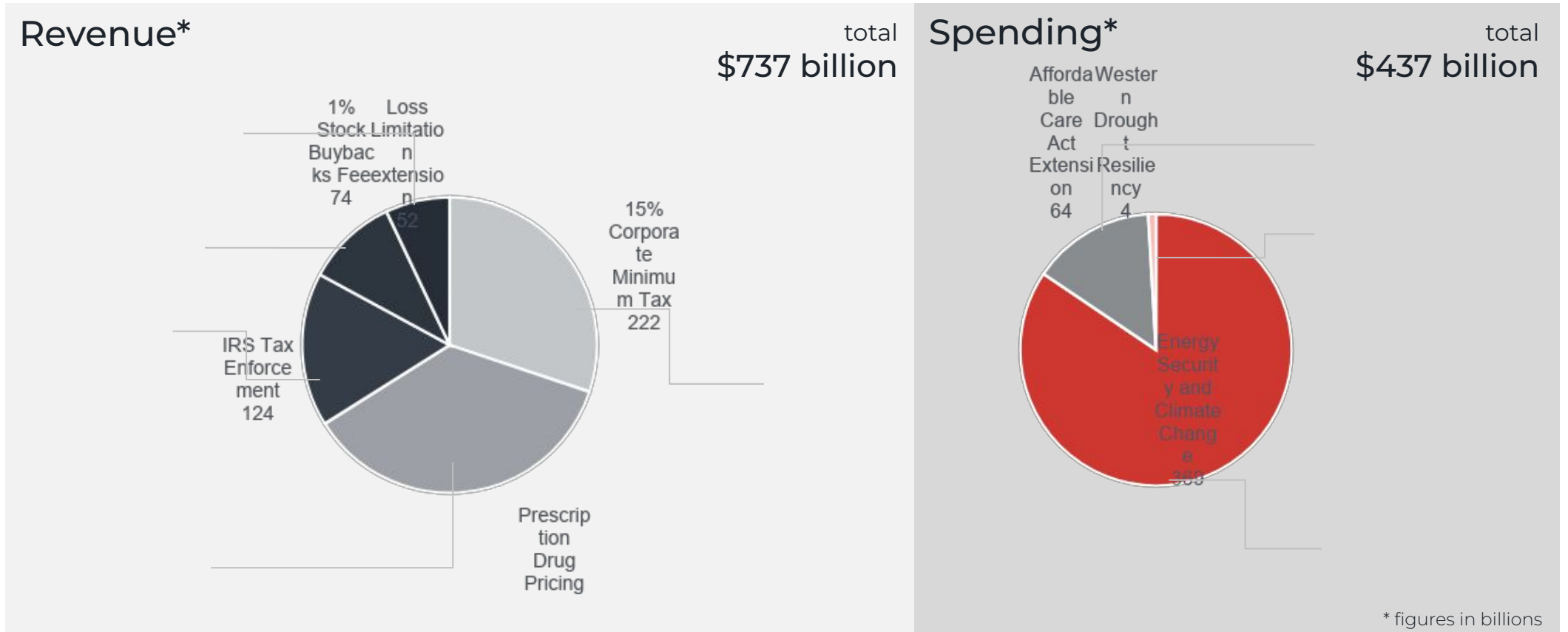
# NYCHA Integrated Design Scenarios





# Inflation Reduction Act

The Inflation Reduction Act of 2022 is a broad sweeping income generating and public investment bill. Along with provisions for healthcare and tax rates, direct investment into energy efficiency, clean energy, and permitting reform is expected to save American households over \$2,000 a year and reduce carbon emissions 40% by 2030.



White House [www.whitehouse.gov/briefing-room/statements-releases/2022/08/15/by-the-numbers-the-inflation-reduction-act/](https://www.whitehouse.gov/briefing-room/statements-releases/2022/08/15/by-the-numbers-the-inflation-reduction-act/)  
 Senate Democrats [www.democrats.senate.gov/imo/media/doc/inflation\\_reduction\\_act\\_one\\_page\\_summary.pdf](https://www.democrats.senate.gov/imo/media/doc/inflation_reduction_act_one_page_summary.pdf)

## IRA's 4 Types of Policy Instruments

The IRA includes four broad levers that will drive the U.S. towards significant GHG reductions by 2030.



## Improving Energy Efficiency, Water Efficiency And Climate Resilience Of Affordable Housing

**\$4,000,000,000** for loans and grants, with \$837,500,000 in supporting funds, to improve **energy or water efficiency**, enhance indoor air quality or sustainability, implement the use of zero-emission electricity generation, low-emission building materials or processes, energy storage, or building electrification strategies, or address climate resilience, of eligible properties (through September 30, 2028)

Eligible properties are those pursuant to the Affordable Housing Act

Eligible recipients are owners or sponsors



## Improving Energy Efficiency, Water Efficiency And Climate Resilience Of Affordable Housing

- **\$42,500,000** through September 30, 2028 for energy and water **benchmarking** for affordable housing, along with associated **data analysis and evaluation** at the property and portfolio level, and the development of **information technology systems** necessary for the collection, evaluation, and analysis of such data

# Provisions Of Interest

## Title V COMMITTEE ON ENERGY AND NATURAL RESOURCES

### Subtitle A — Energy (p. 583)

#### Part 2 — Residential Efficiency And Electrification Rebates

- Sec. 50121. **Home Energy Performance-based, Whole-House Rebates.** (p. 584)
- Sec. 50122. **High-efficiency Electric Home Rebate Program.** (p. 593)
- Sec. 50123. **State-Based Home Energy Efficiency Contractor Training Grants.** (p. 604)

#### Part 3 — Building Efficiency And Resilience

- Sec. 50131. Assistance For Latest And Zero Building Energy Code Adoption. (p. 606)

#### Part 4 — DOE Loan And Grant Programs

- Sec. 50141. Funding For Department Of Energy Loan Programs Office. (p. 608)
- Sec. 50142. Advanced Technology Vehicle Manufacturing. (p. 612)
- Sec. 50144. Energy Infrastructure Reinvestment Financing. (p. 614)