

# Key Takeaways

## Transportation

**Total Investment:** \$214 million

**Actions:**

- Replace diesel vehicles with electric school buses, transit buses, garbage trucks, and emergency vehicles
- Expand EV charging network statewide
- Improve freight efficiency at NC ports and corridors

**GHG Reductions:**

- **By 2030:** 64,997 MTCO<sub>2</sub>e
- **By 2050:** 1,164,767 MTCO<sub>2</sub>e

## Electricity

**Total Investment:** \$389.8 million

**Actions:**

- Promote solar, geothermal, and onshore wind energy
- Deploy microgrids for community resilience

**GHG Reductions:**

- **By 2030:** 1,473,836 MTCO<sub>2</sub>e
- **By 2050:** 7,369,183 MTCO<sub>2</sub>e

## Buildings

**Total Investment:** \$242 million

**Actions:**

- Retrofit low-income rural homes with insulation, HVAC upgrades, and whole-home strategies
- Improve energy efficiency in state-owned buildings through audits, upgrades, and training

**GHG Reductions:**

- **By 2030:** 668,508 MTCO<sub>2</sub>e
- **By 2050:** 5,201,358 MTCO<sub>2</sub>e

## Waste

**Status:** Identified as needing funding

**Actions:**

- Divert food waste via donation programs and composting
- Reduce landfill methane emissions with gas collection systems and covers

**GHG Reductions:**

- **By 2030:** 1,271,127 MTCO<sub>2</sub>e
- **By 2050:** 781,359 MTCO<sub>2</sub>e

## Industry

**Status:** Identified as a gap

**Challenges:**

- Need for financial incentives to support electrification and low-carbon fuels
- Workforce development required for system maintenance

## Natural Working Lands

**Total Investment:** \$421 million (across four states: NC, SC, VA & MD)

**Actions:**

- Restore coastal habitats and peatlands to protect seashores from erosion and enhance flood resilience
- Promote sustainable forestry and restore agricultural and forest lands to reduce soil erosion

**GHG Offsets**

- **By 2030:** 3,362,249 MTCO<sub>2</sub>e
- **By 2050:** 28,027,178 MTCO<sub>2</sub>e