Atlanta Regional Commission

Metro Atlanta Climate Action Plan

Vision

ONE **great** REGION

Mission

Foster thriving communities for all within the Atlanta region through collaborative, data-informed planning and investments.

Values

Excellence | **Integrity** | **Equity**

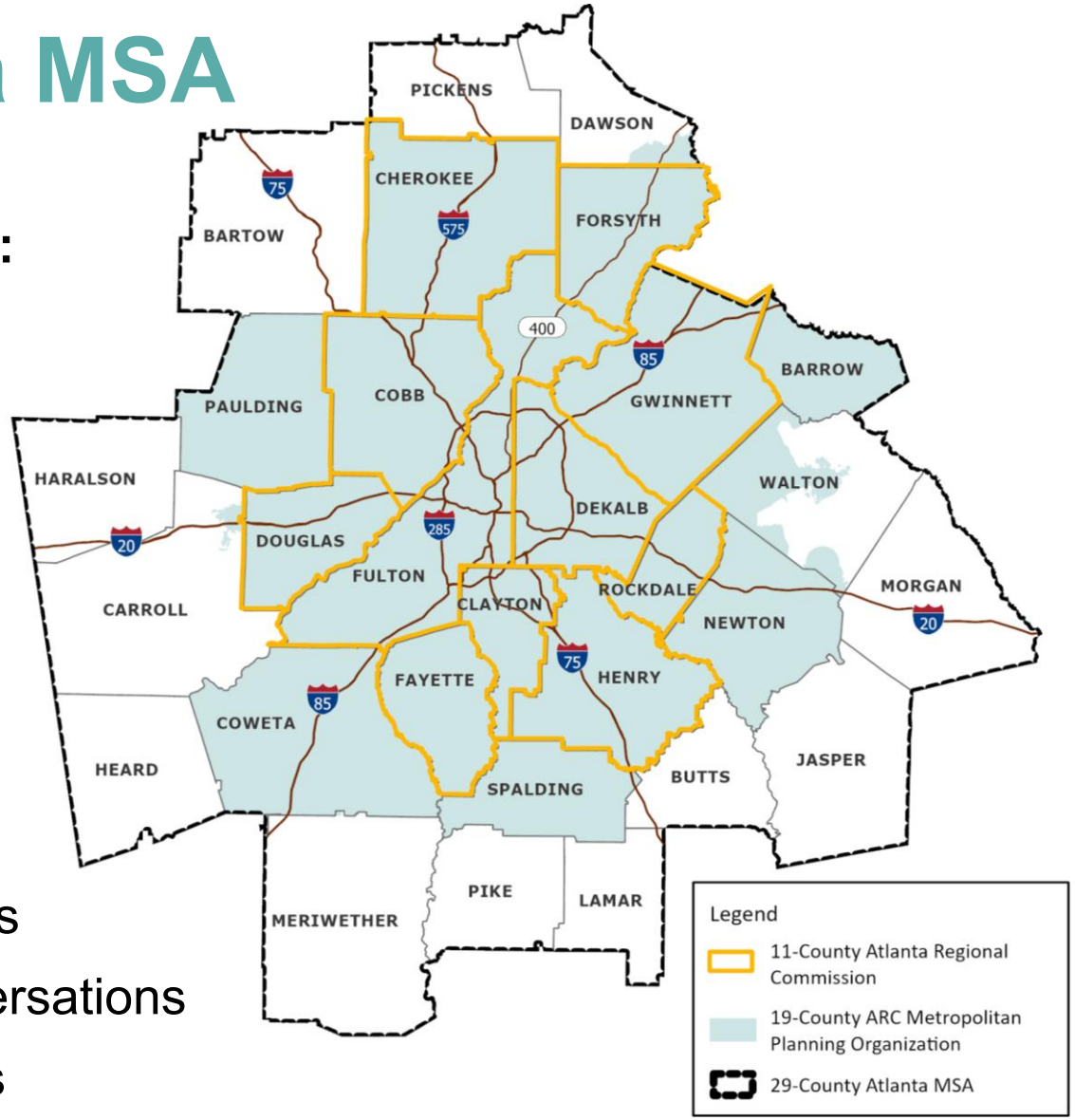
Goals

- **Healthy, safe, livable communities** in the Atlanta Metro area.
- **Strategic investments** in people, infrastructure, mobility, and preserving natural resources.
- Regional services delivered with **operational excellence** and **efficiency**.
- **Diverse stakeholders engage** and take a regional approach to solve local issues.
- **A competitive economy** that is inclusive, innovative, and resilient.

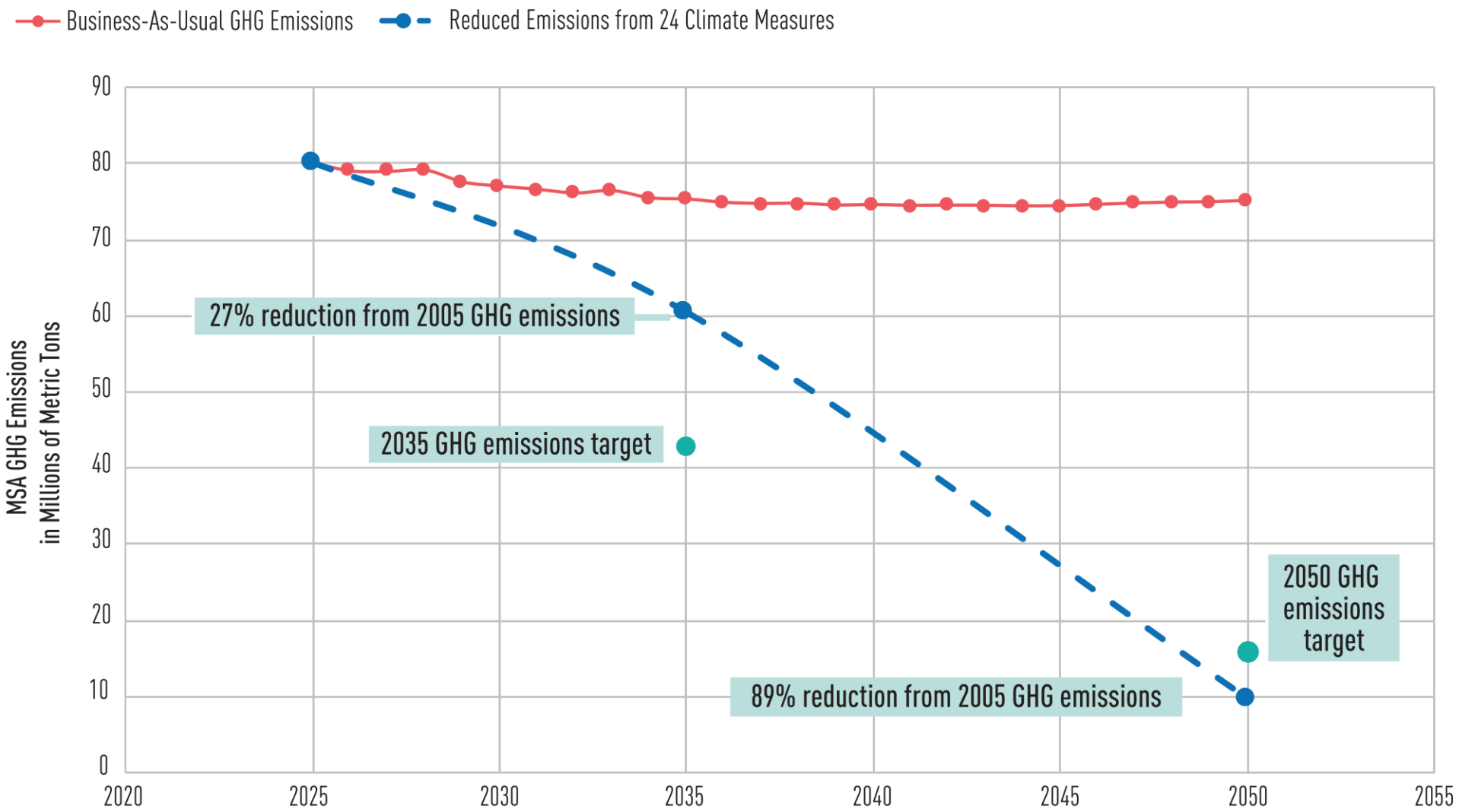
ARC Board & TAQC Joint Meeting
November 12, 2025

CPRG Planning for the Atlanta MSA

- **U.S. EPA Climate Pollution Reduction Grant funding:**
  - 81 MSAs
  - 45 states
- **ARC lead agency for Atlanta MSA CPRG:**
  - 29 counties
  - 150 cities
  - 57% of the state's population
- **Audience**
  - local governments
  - business & industry
  - schools & universities
  - non-profit organizations
  - individuals
- **Input from**
  - city & county plans
  - interagency conversations
  - community events
  - stakeholder webinars
  - online surveys



Projected GHG Emissions Reductions



- **2035 Target:** reduce GHG emissions 50% below 2005 emissions
- **2050 Target:** reduce GHG emissions 80 - 85% below 2005 emissions

Targets set according to EPA CPRG Planning Grants Program Guidance (pg. 52)

MACAP Roadmap

A roadmap for those who want to take action to mitigate climate change and see positive results in their communities.

Greenhouse Gas Inventory

Comprehensive inventory of emissions by sector

Projections & Targets

Business as usual projections & near- and long-term targets

GHG Reduction Measures

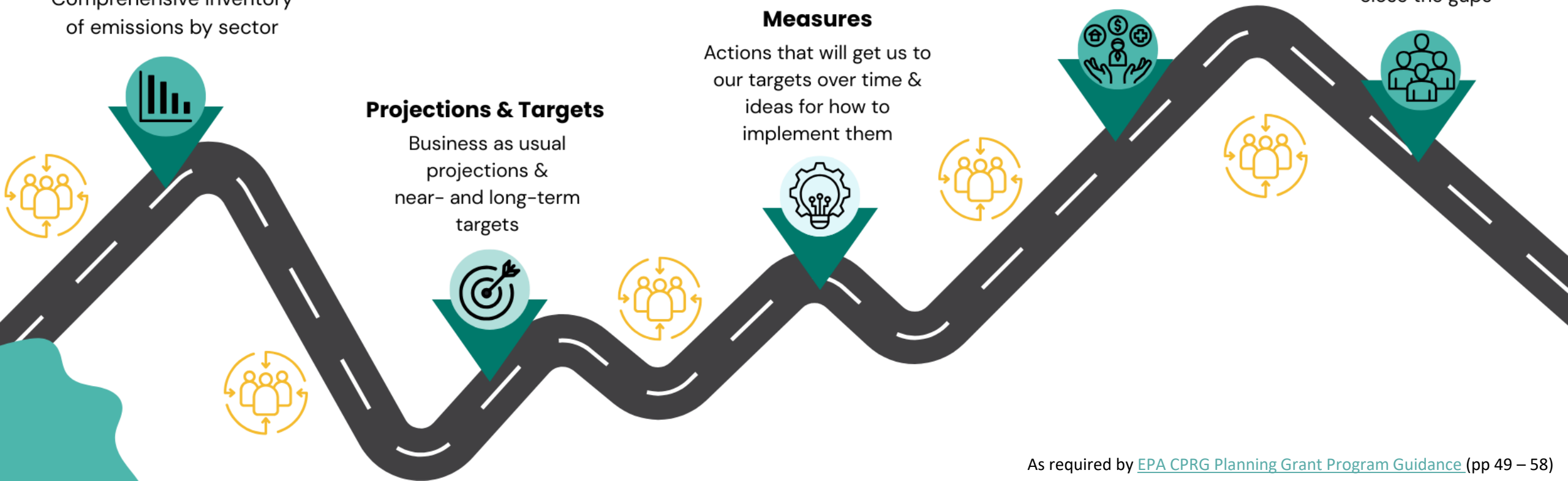
Actions that will get us to our targets over time & ideas for how to implement them

Benefits Analysis

Co-pollutant reductions, additional co-benefits, potential disbenefits

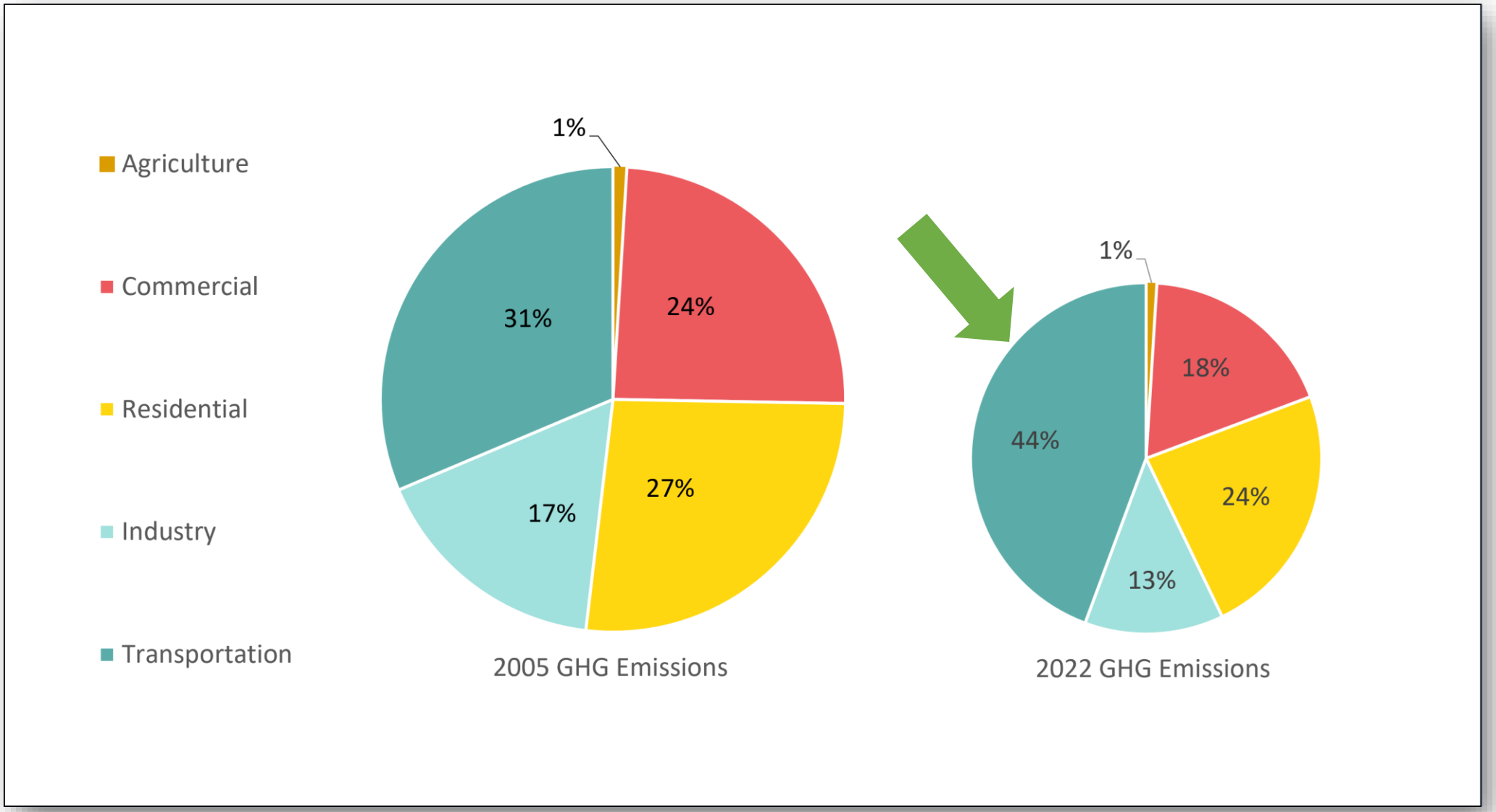
Workforce Analysis

ID potential workforce shortages and how to close the gaps



As required by EPA CPRG Planning Grant Program Guidance (pp 49 – 58)

Comprehensive Greenhouse Gas Inventory



Source: Drawdown Georgia GHG Emissions Tracker

GHG Reduction Measures

Transportation

- Increase Light-duty EVs & EV Chargers
- Switch to Medium- & Heavy-duty EVs
- Shift Modes to Reduce Vehicle Miles Travelled

Largest **short-term** GHG reductions in this sector

Buildings

- Increase Energy Efficiency of Existing Buildings
- Electrify Buildings
- Adopt More Efficient Codes & Green Building Standards

Largest **long-term** GHG reductions + **lowest net costs** in this sector

Industry

- Increase Building Energy Efficiency
- Electrify Buildings and Industrial Processes
- Improve Efficiency of Processes
- Limit Non-CO_2 GHG Emissions by Improving Processes
- Convert Waste Heat-to-Energy

GHG Reduction Measures

Energy

- Increase Urban Scale Solar
- Increase Rooftop Solar and Battery Storage
- Encourage Electricity Demand Response
- Convert Landfill Gas-to-Energy
- Convert Wastewater Gas-to-Energy

Waste & Materials

- Reduce Construction & Demolition Waste
- Increase Composting

Trees & Greenspace

- Add Trees & Green Infrastructure
- Protect & Restore Forests

Cross-Sector

- Accelerate Adoption at the Local Level

This sector **absorbs GHG** emissions + has **low net costs**

GHG Reduction Measure Details

Description of the Measure, including relevant background information and specific actions that local governments, businesses, individuals, and others can take to implement the measure

Geographic Scope of where the measure can be implemented

GHG Emissions Reductions in 2035 and 2050 and associated **Co-Pollutant Reductions in 2035 and 2050** that may be achieved through implementing the measure compared to the Business-As-Usual scenario

Net Cost that may be required to implement the measure

Primary Co-Benefits that may be achieved along with reducing GHG emissions

Implementation Details, including **Key Implementation Partners**, example **Implementation Milestones and Timelines,** and potential **Metrics to Track Progress**

Opportunities for Action by Sector

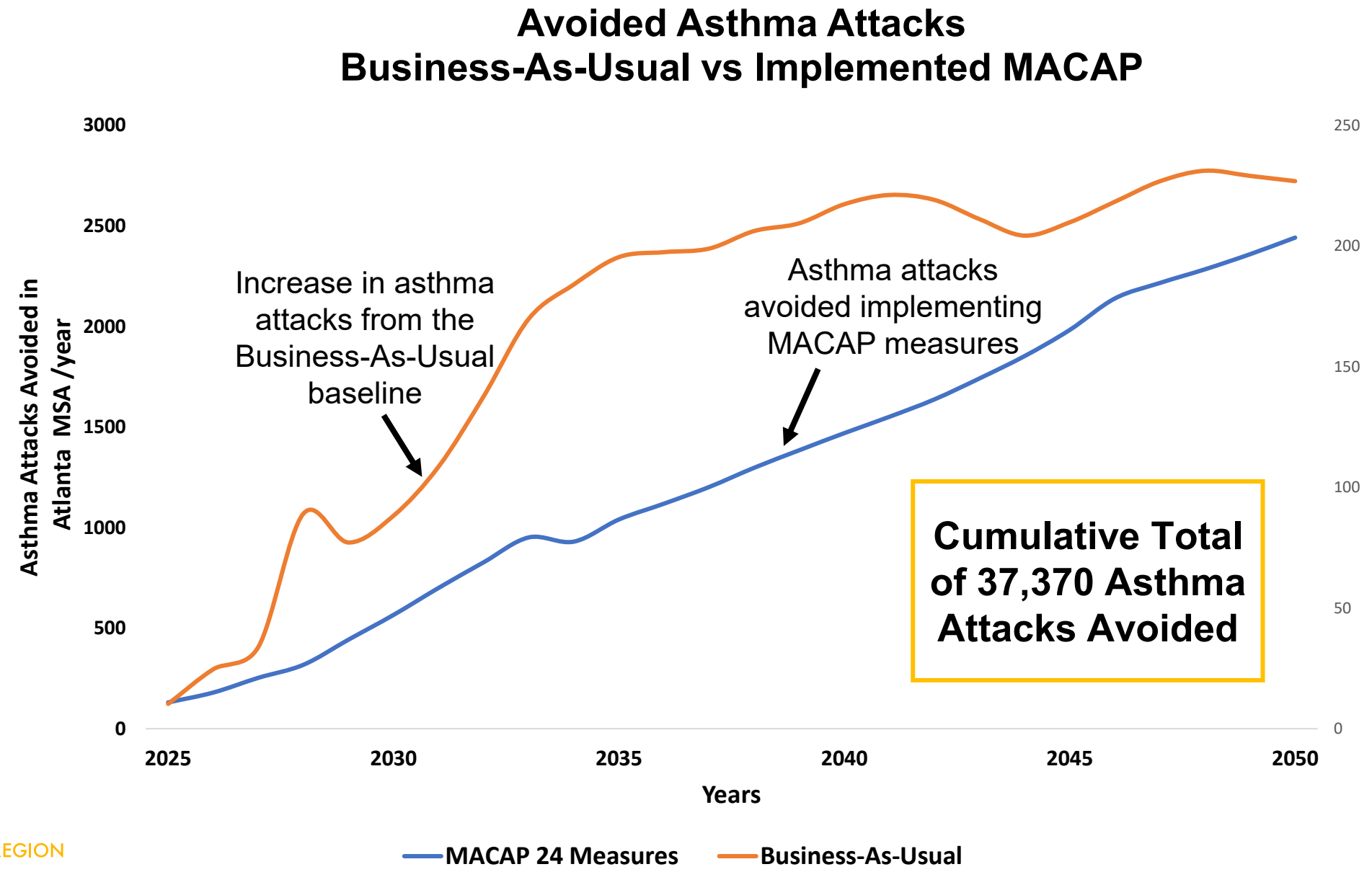
- **Funding Opportunities** that may be available to support implementation of the measure
- **Technical Assistance & Additional Information** available from local and national organizations and plans
- **Recommended Policy Actions** to help increase the rate of implementation and realization of benefits of the measures
- **Examples of Successful Projects and Programs** within the Atlanta MSA

Co-Benefits Analysis: Reduced Co-Pollutants

Co-Pollutants 2050	Transportation (Thousand MT)	Buildings (Thousand MT)	Industry (Thousand MT)	Energy (Thousand MT)	Waste & Materials (Thousand MT)	Trees & Greenspace (Thousand MT)
Carbon Monoxide (CO)	30.2	0.02	0.001	0.001	-0.001*	-0.004*
Particulate Matter 2.5 ($PM_{2.5}$)	0.6	7.2	0.4	0.1	-0.1*	-0.0007*
Particulate Matter 10 (PM_{10})	1.5	7.8	0.5	0.1	-0.1*	-0.001*
Nitrogen Oxides (NO_x)	2.1	0.02	0.001	0.0001	-0.001*	16.7
Sulfur Oxides (SO_x)	-0.05*	0.001	0	-0.0001*	-0.002*	-0.001*
Volatile Organic Compounds (VOCs)	9.2	3.8	-0.1*	0.1	-0.03*	-1.3*
Total Reductions	**43.6**	**18.8**	**0.8**	**0.25**	**-0.1***	**15.4**

** A negative value indicates an increase in co-pollutant.*

Co-Benefits: Avoided Asthma Attacks



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Additional Co-Benefits

- Improved Air Quality
- More Transportation Options
- Better Health & Wellbeing
- Lower Costs
- Increased Safety & Resilience
- Protection of Natural Resources
- Strengthened Local Economy

Workforce Analysis:
Metro Atlanta Leads in Green Jobs

76%

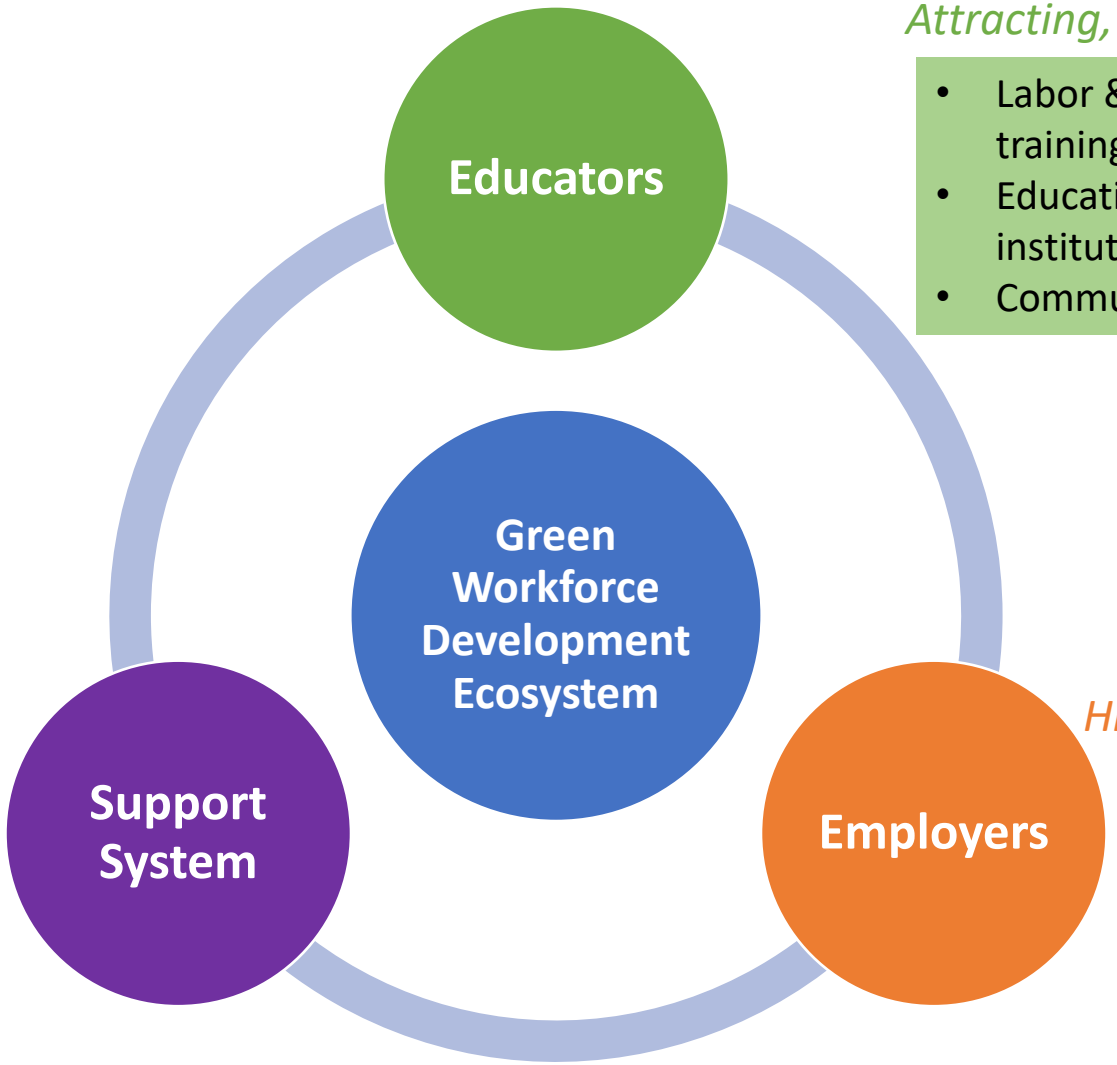
Metro Area	Total Clean Energy Jobs	Renewable Generation	Storage/Grid	Clean Fuels	Energy Efficiency	Clean Vehicles
Atlanta MSA	53,145	4,991	2,615	314	41,386	3,839
Athens-Clarke	1,118	316	23	<10	687	85
Augusta	3,541	750	464	<10	2,088	231
Brunswick	448	65	<10	<10	<10	308
Columbus	1,328	96	171	<10	917	142
Dalton	1,450	1,087	18	<10	243	100
Gainesville	1,361	78	28	<10	796	456
Savannah	2,178	152	112	<10	1,699	212

Source: E2 Clean Jobs Georgia 2024 Factsheet

Workforce Analysis: Example Green Jobs

TRANSPORTATION	BUILDINGS	INDUSTRY
Software developers	Insulation workers	Manufacturing/Industrial engineers
Electrical engineers	Heating, air conditioning, ventilation (HVAC), and refrigeration mechanics and installers	Machine operators
Electrical, electronic, & electromechanical assemblers	Plumbers, pipefitters, and steamfitters	Robotics technicians
Electricians	Construction laborers	CNC machinists/operators
Cement masons & concrete finishers	Energy auditors	Industrial production managers
E-bike mechanics & technicians		Welders

Workforce Analysis: Green Workforce Ecosystem



Attracting, supporting, developing, launching

- Labor & workforce training programs
- Educational institutions
- Community colleges
- Universities
- Technical institutes
- Trade schools
- K- 12

Economic development, supportive policy, supplemental services

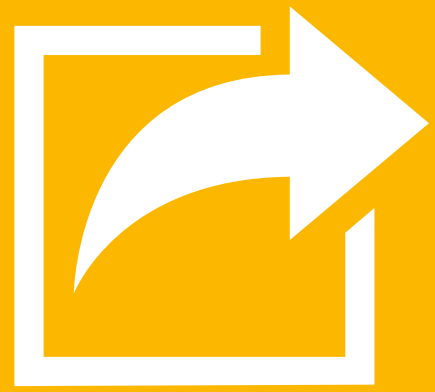
- Federal, state & local governments
- Utilities
- Consumers
- Local resource organizations
- Nonprofits

Hiring, training, redeploying, retaining

- Large/small industry
- Contractors/businesses
- Trade associations

Next Steps

- Plan Adoption (November 2025)
- Plan Submittal to EPA (December 2025)
- MACAP Implementation Roadshow
  (March – December 2026)
- Development of Metrics & Tracking Implementation
  (2026 onwards)
- Status Report Submittal to EPA (September 2027)
- Incorporating into ARC Plans & Programs (ongoing)



Thank you

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