

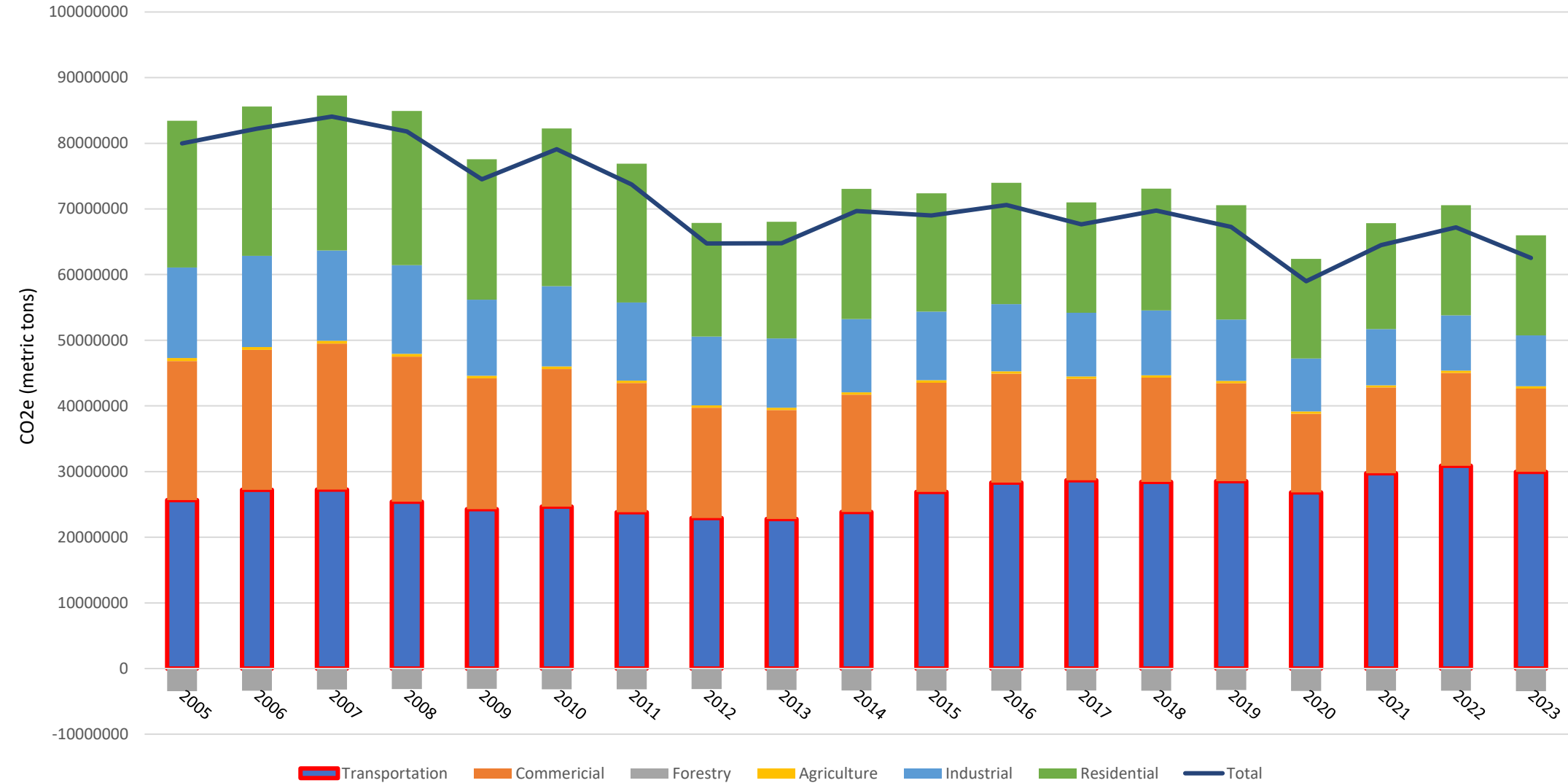
# Transportation Carbon Reduction Plan



# Transportation Carbon Reduction Plan

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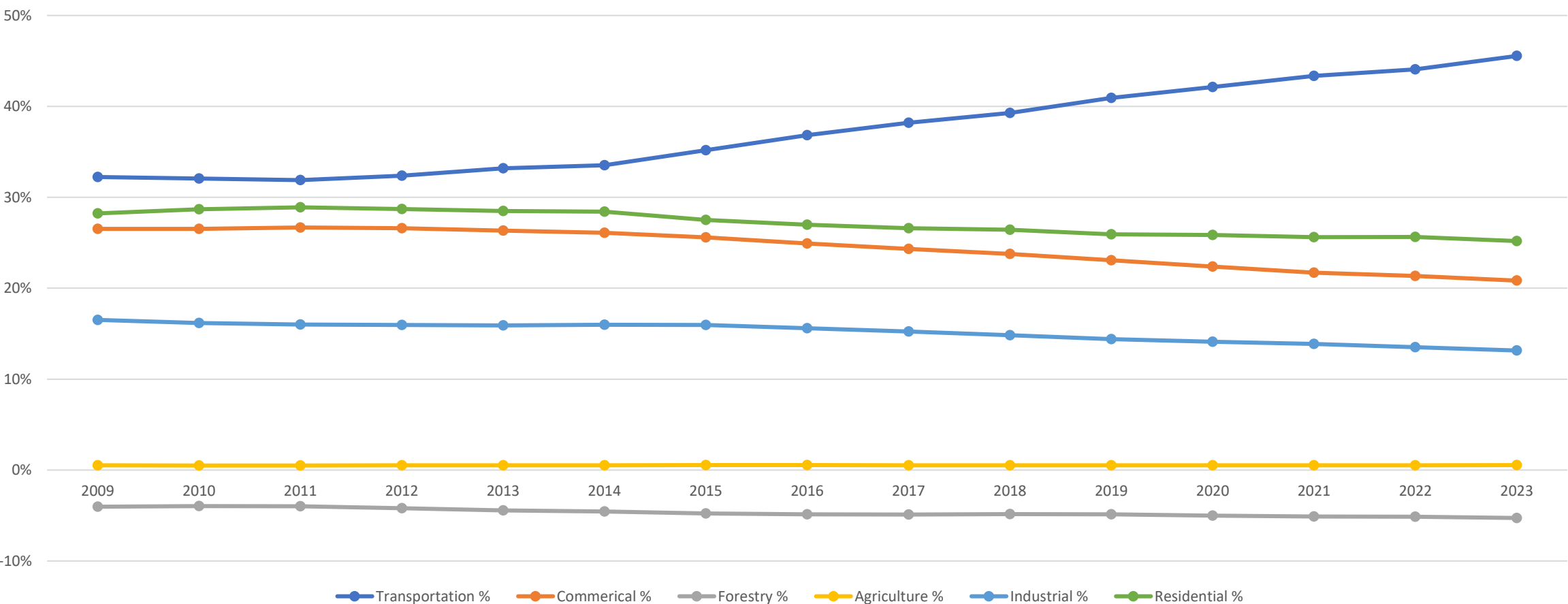
# Greenhouse Gases (GHG) Over Time by Sector



Source: Drawdown GA

# GHG Over Time by Sector (5-yr averages)

5-year Averages of % Emissions



Source: Drawdown GA

# Why This Matters

## Transportation Sector Greenhouse Gas (GHG) Emissions:

- Indicate inefficiencies and costs:
  - Individual Level (e.g. Wasted time, fuel costs, health costs)
  - For the Economy (e.g. Loss of revenue; opportunity cost)
  - In our System (e.g. Underutilized transit systems and potential)
- Lead to negative health and environmental outcomes
- Contribute to climate change

## Best projects and policies to reduce transportation sector GHGs can also:

- Acknowledge regional growth
- Support a strong economy
- Align with regional housing strategy
- Contribute to positive climate action

# A Regional Approach to Climate Action

The **climate is changing**, leading to higher temperatures and an increase in extreme weather events. At the same time, the Atlanta region is undergoing an **energy transition** to an increasingly **electric** future.

ARC is **working strategically** to help the Atlanta region prepare for these challenges and embrace new opportunities as we work to **foster**

ARC's Climate & Resilience Work Program

Guided by ARC's values of excellence, integrity, and equity.  
Fostering Healthy, Livable Communities and a Prepared Workforce



## Energy Transition

Advancing the transition to carbon-free energy available for everyone

### Regional Clean Electricity Plan

This plan, funded by a U.S. Department of Energy grant, will help local governments save money by making their buildings and operations more energy efficient, while also providing alternative energy options.

*Status: Ongoing – Project ends June 2027.*

### Clean Tech Academy

ARC has received a 5-year, \$2 million federal grant that will enable Goodwill of North Georgia to train 250 people to become EV technicians.

*Status: Ongoing- approximately half of the total job training participants have completed training. Cohorts continue through 2026 while credentialed job seekers enter into employment opportunities.*

### Sustainable Freight Cluster Plans

Sustainability-focused freight cluster plans seek to provide local jurisdictions and CIDs with actionable recommendations for improving freight sustainability. Potential solutions may include shifting to zero-emissions vehicles, providing electric vehicle chargers at workplaces, and shifting from single-occupant vehicle commutes..

*Status: Ongoing – Gateway 85 CID and South Fulton CID plans kicked off in late December 2025/early January 2026.*

### Georgia Energysshed

ARC is working with Georgia Tech to develop an integrated model of metro Atlanta's energysshed, which includes any power generation facility and related transmission and distribution infrastructure to meet our region's energy needs. Simulations will assess the impact of potential energy futures within the energysshed.

*Status: Paused – Completed Year 2 of 3.*



## Resilience

Enhancing the resilience of our communities, infrastructure, and natural systems to climate change and extreme weather events

### Transportation Resilience Improvement Plan

Through FHWA's PROTECT grant, ARC will use a data-informed approach to identify transportation infrastructure at risk due to current and future flood and extreme heat events, develop a resilience improvement plan, and incorporate outcomes into transportation planning and policies.

*Status: Ongoing – work began in 2026 Q1; 18 month project.*

### City of Decatur Heat Mitigation Plan

The City of Decatur received support from ARC to analyze climate and heat data and develop recommendations to mitigate the city's urban heat island effect. In a second phase led by Georgia State, Decatur will evaluate the feasibility of heat island mitigation strategies in alignment with existing plans and local ordinances. ARC is also piloting a project in Decatur to develop an environmental monitoring platform focused initially on heat and humidity to inform local decision making and as a resource for residents.

*Status: Phase 1 completed; Phase 2 is led by GSU.*

### Resilient Water Utilities Report

The Metropolitan North Georgia Water Planning District will leverage current local climate data and recent experience with extreme weather events to update the 2015 Utility Climate Resiliency Study. The report will provide water utilities with adaptive strategies for planning their systems for future resilience.

*Status: Report expected completion date Q1 2026.*

### Metro Atlanta Bicycle Network Plan

This initiative aims to create a connected bicycle network across metro Atlanta with focus areas in South Metro and the Flint River.



## Greenhouse Gas (GHG) Emissions Reductions

Setting the region on a path towards net zero greenhouse gas emissions

### Metro Atlanta Climate Action Plan

A roadmap to create a sustainable and resilient future for all, highlighting steps to transition to near net zero GHG emissions by 2050.

*Status: Plan completed December 2025. MACAP implementation roadshow will be held March 2026 – December 2026.*

### Transportation Carbon Reduction Plan

This project will examine local and regional strategies to support the reduction of transportation-related greenhouse gas emissions.

*Status: Ongoing. 2025 Q1 - 2027 Q3.*

### Georgia Commute Options and Commute Schools

This program, managed by ARC and funded by the Georgia DOT, works with employers and commuters to reduce traffic and single-occupancy vehicles and improve the region's air quality. The K-12 arm of this program, Georgia Commute Schools, supports alternative ways to travel to school and provides in-classroom air quality curriculum.

*Status: Ongoing.*

### E-Bike Rebate Program

ARC partnered with the City of Atlanta to provide rebates for the purchase of e-bikes to provide affordable, clean transportation options for moderate and low-income individuals.

*Status: Ongoing – the Atlanta City Council introduced legislation in January 2026 to renew funding after ARC administered the inaugural program on behalf of the City of Atlanta.*

### Green Communities

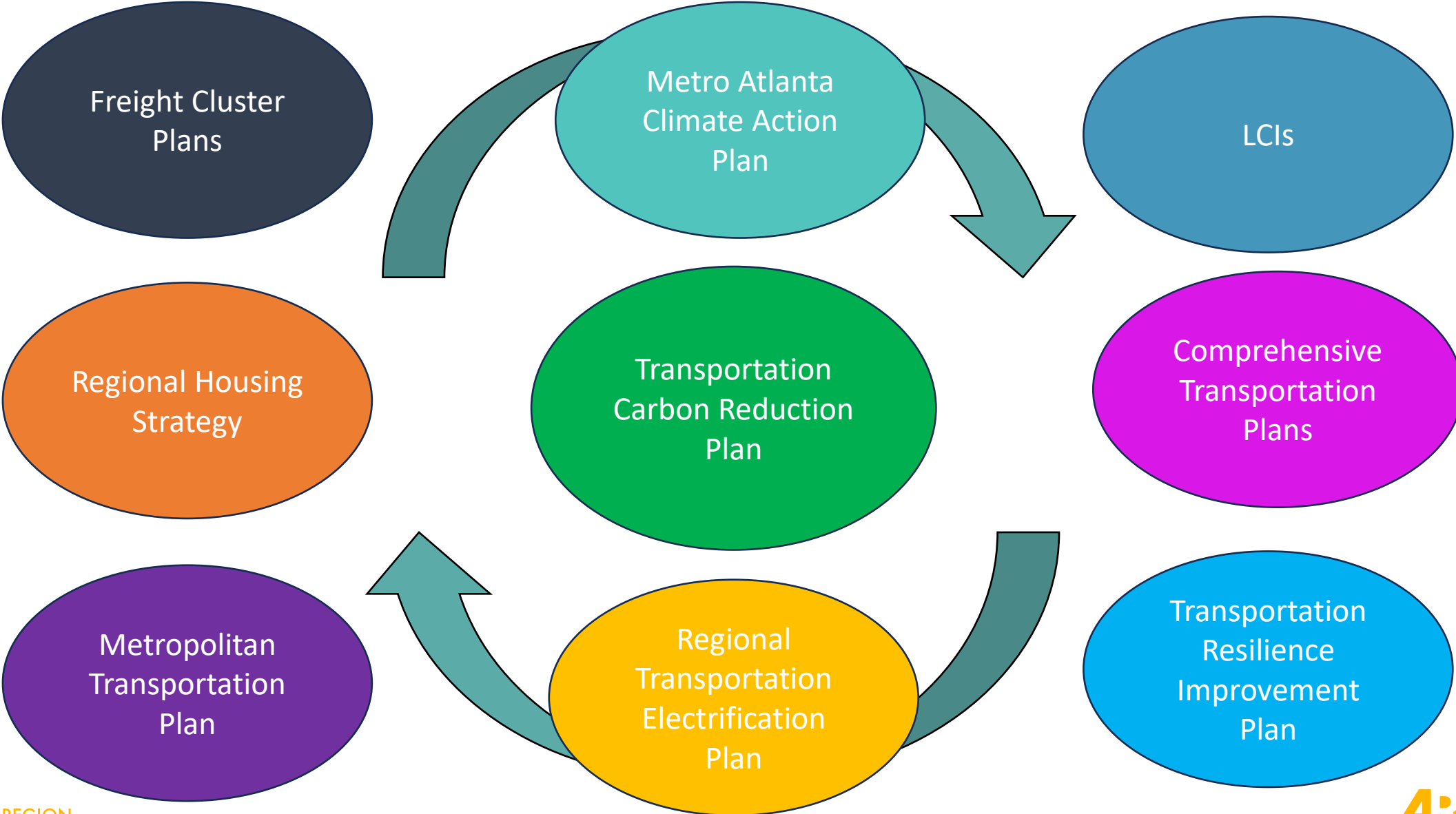
This voluntary sustainability certification and technical assistance program helps local governments reduce their environmental impact through actionable measures. Eighteen cities and six counties are certified Green Communities.

*Status: Ongoing.*

# Transportation Carbon Reduction Plan

- ▮ **Purpose:** Reduce Regional Transportation Sector Emissions
- ▮ **Key Stakeholder:** City and County Governments in 19-County Region
- ▮ **Key Objectives:**
  - ✓ 1: Improve air quality and health outcomes
  - ✓ 2: Encourage mode shift opportunities
  - ✓ 3: Improve project delivery (from planning to implementation)
- ▮ **Funding Source:** US DOT (via FY24 Congressional Directed Spending)
- ▮ **Amount:** \$1,125,000 (20% ARC Match)
- ▮ **Schedule:** 08/25 – 12/27
- ▮ **Status:** On-going; Consultant team led by Clean Cities – Georgia

# Plan Coordination



# Consultant Partner



## Subcontractor Partners:



# Schedule

| Project Month |                                                                                        | 1       | 2       | 3       | 4       | 5       | 6       | 7       | 8       | 9       | 10      | 11      | 12      | 13      | 14      | 15      | 16      | 17      | 18      |
|---------------|----------------------------------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Task          | Deliverables                                                                           | Feb '26 | Mar '26 | Apr '26 | May '26 | Jun '26 | Jul '26 | Aug '26 | Sep '26 | Oct '26 | Nov '26 | Dec '26 | Jan '27 | Feb '27 | Mar '27 | Apr '27 | May '27 | Jun '27 | Jul '27 |
| Task 1A       | Project Management Plan                                                                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Task 1B       | Stakeholder Engagement Plan                                                            |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Task 1C       | Overall Project Management, including Biweekly ARC Calls                               |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Task 2        | Data Synthesis - Technical Memo on Data Gaps                                           |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Task 3        | Literature Review - Technical Memo on Literature Review                                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Task 4        | Stakeholder Engagement - Summary Memos on Stakeholder Feedback                         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Task 5        | Prioritized Regional Strategies and Policies - Prioritized List of Regional Strategies |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Task 6        | Develop Carbon Reduction Quick Guide for Local Governments                             |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Task 7A       | Integration - Policy Resolution for ARC Board to Adopt                                 |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Task 7B       | Integration - Language and Guidance to Integrate into ARC's plans and Procedures       |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Task 8        | Memo on Next Steps                                                                     |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Task 9A       | Final Report                                                                           |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Task 9B       | Final Presentation                                                                     |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |

# Expected Deliverables

## Documents

- ▮ Prioritized Regional Strategies and Policies
- ▮ Carbon Reduction Quick Guide for Local Governments

## Policies Within Documents

- ▮ Example Solutions and direct methods to lowering GHGs
  - Lower VMT, increase person trips
  - Mode shifts to transit, active modes, and HOVs
  - Zoning and land use reform
  - Pricing (e.g. parking, tolls, vehicle registrations, etc.)
- ▮ Get more things done
  - Permitting, procurement, and process changes
- ▮ Suggestions for both local government and ARC roles
- ▮ Model policies and ordinances to consider

# Expected Deliverables

## Documents

- Carbon Reduction Quick Guide for Local Governments

## Policies Within Documents

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  - Lower VMT, increase person trips
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## Input Needed

- Tailored for your Local Government; who should we speak with?
- Which policies are most important to you (listed or not)?
- Which policies does your Local Government most control?

**TCC Presentation and Feedback Discussion**

**September 2026**

# Why ARC Does this Work

## Builds Upon and Supports our Existing Work

- Metropolitan Transportation Plan
- Metro Atlanta Climate Action Plan

## Creates Positive Co-Benefits

- Improved health outcomes
- Reduced cost burden (for individual and local government)

## Investing in the Future

## 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.

Questions or Comments?