

# Regional Transportation Electrification Plan

TAQC/ARC Board Presentation

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ONE  
**great**  
REGION



## Plan Purpose

### **Strengthen the Regional EV Ecosystem**

Lead the southeast in the electrification of our transportation sector by creating a robust and widespread regional EV ecosystem. This approach will accelerate the equitable adoption of EVs and inform regional EV infrastructure investments to guide the region and meet the needs of the future.

# Plan Goals

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The purpose of this plan is to develop a policy strategy and approach for ARC to advance transportation electrification in the Atlanta region that will:

1

Expand and Coordinate **EV Charging Infrastructure**

2

Accelerate **EV Adoption** in the Region

3

Boost **Workforce Development and Economic Competitiveness**

4

Align the RTEP with Regional Climate Planning Efforts to **Support GHG Reductions**

# Electric Transportation Indicators in Georgia Through June 2024



## MANUFACTURING EMPLOYMENT

**#1 in region (SE Region)**

- Anticipated jobs: 27,394
- 4% annual growth



## MANUFACTURING INVESTMENT

**#1 in region (SE Region)**

- Investment: \$24.4 billion
- 10% annual growth



## SALES

**#2 in region in market share**  
**#22 in nation in market share**

- Cumulative sales: 125,739
- 35% annual growth
- EV market share: 7.2%



## CHARGING

**#1 in region per capita**  
**#14 in nation per capita**

- Fast Chargers: 1,251 ports
- Level 2 Ports: 3,825 ports
- 25% annual growth in total ports



## UTILITY INVESTMENT

- Approved: \$82.5 million
- No annual growth



## PUBLIC FUNDING

**#4 in region per capita**

- Approved: \$385 million
- Public funding per capita: \$37.03

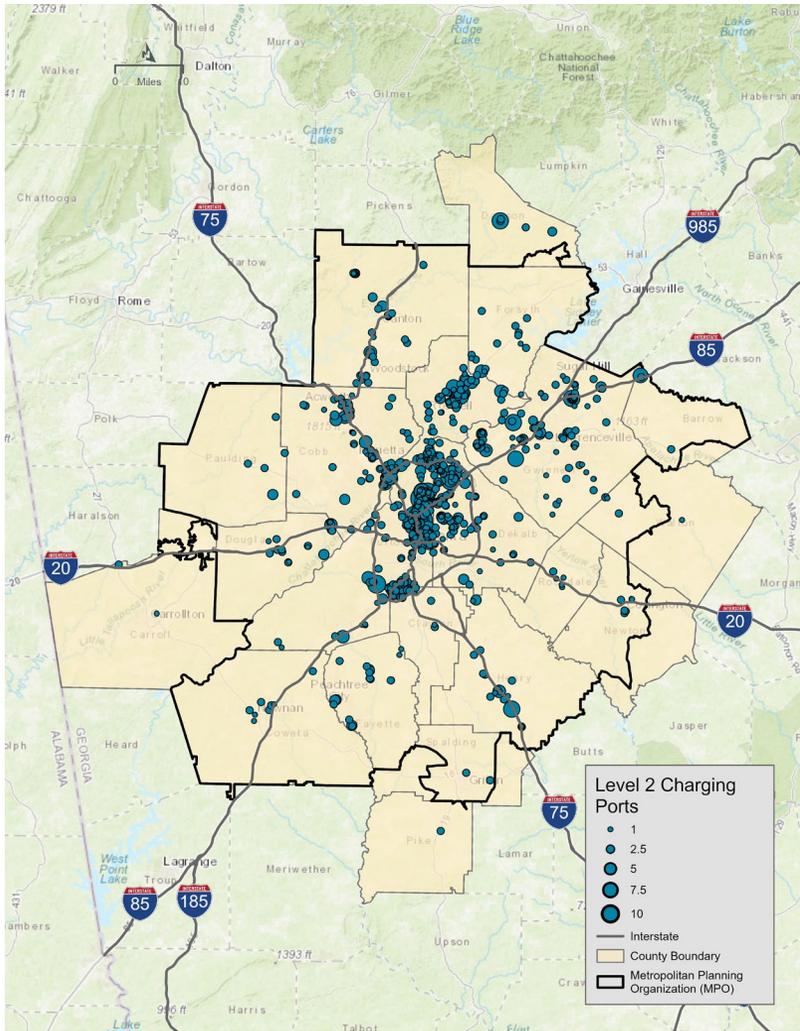
[Figure 2 from EV Momentum in GA produced by Atlas Public Policy and Southern Alliance for Clean Energy](#)

For this report, the Southeast (SE) Region includes Alabama, Florida, Georgia, North Carolina, South Carolina, and Tennessee.

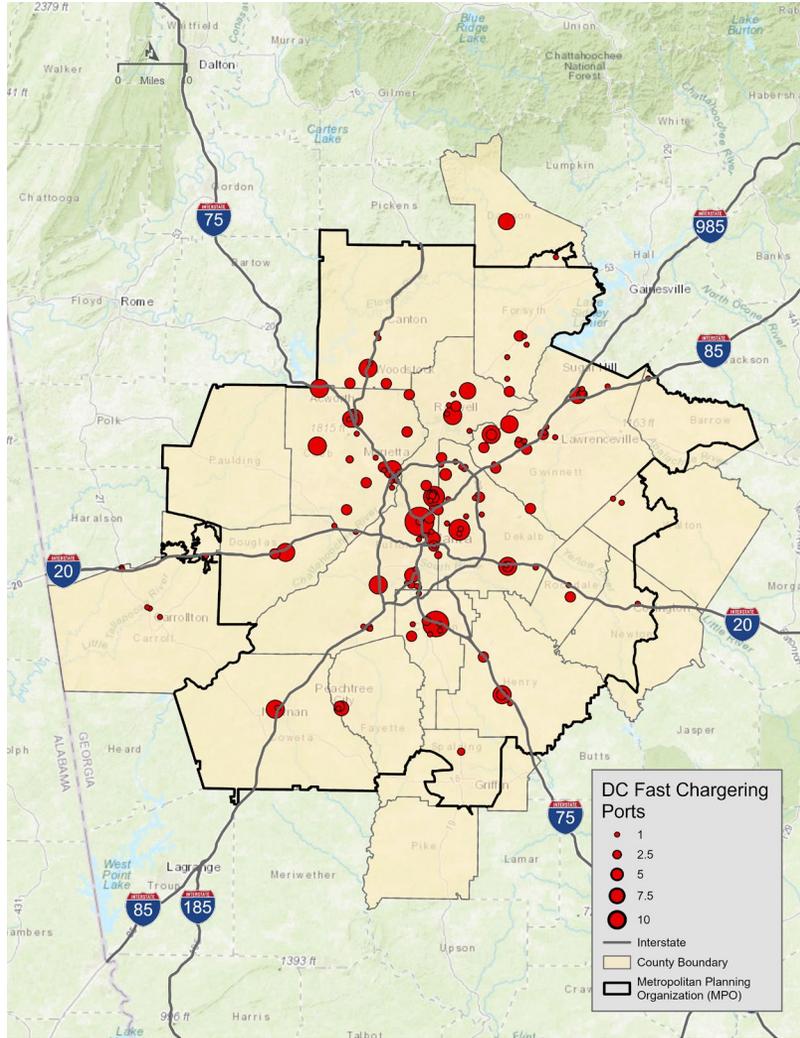
# Existing Charging Infrastructure

- Existing Level 2 Chargers and Level 3 DCFC (fast chargers) are clustered centrally within Atlanta and suburban areas like North Fulton, northern DeKalb, Cobb and Gwinnett.
- Current gaps exist south of I-20 and within Justice40 census tracts.

Level 2 Charging Infrastructure



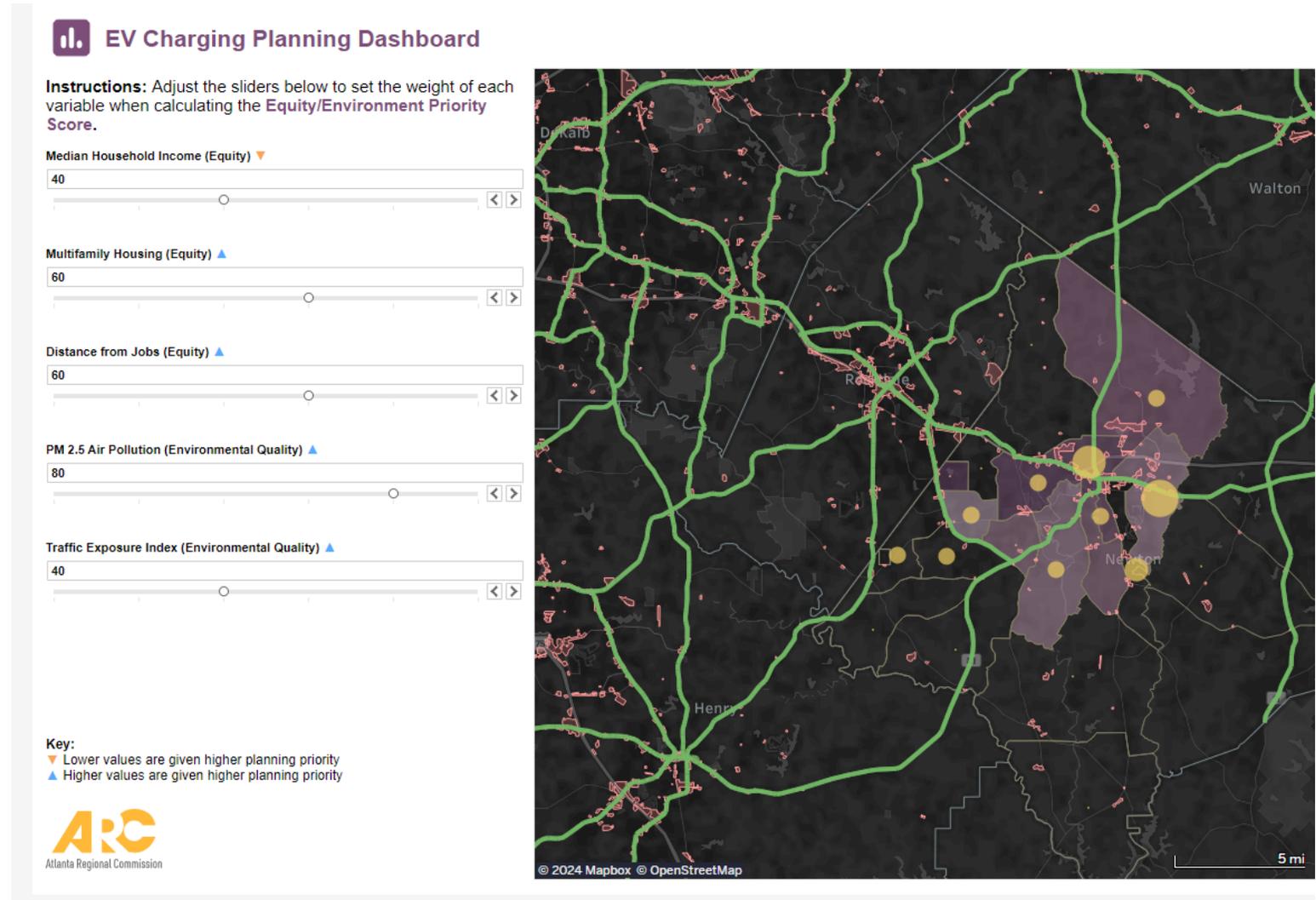
Level 3 DCFC Charging Infrastructure



# The EV Planning Tool

## Tool Purpose

- Identify # of EV Charging Stations needed at a census tract level across the region based on travel demand.
- Develop a priority scoring criteria that weights for equity and environmental factors.
  - Can be used for funding applications.
  - This tool can be used to assist local plans such as Comprehensive Transportation Plans (CTPs), and Livable Centers Initiative (LCI) plans.



# Implications for Local Government

**Public Fleet Transition-** Fleet conversion to support reduced fuel and maintenance costs (Cobb County, DeKalb County, and City of Brookhaven as well as MARTA, and ATL Xpress).

**Public Charging-** Boost economic development, e.g. retail, restaurants, and downtown areas as well as address range anxiety (City of Peachtree Corners). Address equity considerations, particularly for multi-family housing.

**Codes-** Review codes like zoning, building, permitting to support safe and seamless charging infrastructure (City of Atlanta).

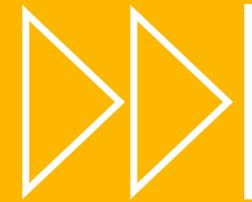
**Partners and Coordination-** Work with new partners including utilities, commercial property owners, business owners, and charging service providers (Georgia Power, EMCs).

**Technical Knowledge-** Increase understanding of how transportation electrification crosses multiple government departments.

**Funding-** Explore opportunities to facilitate accelerated deployment (CFI, EPA Clean Bus Program).

# Next Steps

- Develop Resource Page
- Develop Scope of Work for Medium- and Heavy-Duty Alternative Fuels Plan.
- Work closely to align strategies and actions from RTEP with Metro Atlanta Climate Action Plan, Regional Clean Electricity Plan, and the Transportation Carbon Reduction Plan.
- Revisit with stakeholders and identify opportunities for continued coordination and convening.
- Participation and engagement with regional and national partners (i.e., UGA E-Mobility Summit; Clean Energy Roadshow; AASHTO, NASEO, and Joint Office EV Charging Infrastructure Conference).



**Thank you**

**Questions?**

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