



City of Atlanta Clean Energy Advisory Board

February 2, 2023



Welcome and Introductions

Chandra Farley, Chief Sustainability Officer
City of Atlanta, Mayor's Office of Sustainability and Resilience



Chandra Farley
Chief Sustainability Officer



John R Seydel
Deputy Chief Sustainability Officer



j. olu baiyewu
Director of Urban Agriculture



Michelle Wiseman
Director of Waste Diversion



Michelle Midanier
Clean Energy Programs Associate



Beth Graham
FUSE Executive Fellow (1year)

The City of Atlanta Mayor's Office of Sustainability and Resilience

Agenda



Clean Energy Advisory Board
 Atlanta City Hall
 Old City Council Chambers
 February 2, 2023
 11:00 a.m. – 1:00 p.m.

Participants:

Clean Energy Advisory Board
 City of Atlanta Elected Officials and Staff
 Public

February 2, 2022

10.30 – 11.00	Clean Energy Advisory Board <ul style="list-style-type: none"> • Event Check-in and Networking 	ALL
11.00 – 11.25	Welcome and Introductions	Chandra Farley, Chief Sustainability Officer, City of Atlanta, Mayor's Office of Sustainability and Resilience
11.25 – 11.50	Clean Energy Atlanta "A Vision for 100% Clean Energy Future" <ul style="list-style-type: none"> • City of Atlanta Clean Energy Goals Update • Q & A 	John R. Seydel, Deputy Chief Sustainability Officer, City of Atlanta, Mayor's Office of Sustainability and Resilience Michelle Midanier, Clean Energy Program Associate, City of Atlanta, Mayor's Office of Sustainability and Resilience
11.50 – 12.15	A City Built for the Future "Moving Atlanta Forward Together" <ul style="list-style-type: none"> • Q & A 	Chandra Farley, Chief Sustainability Officer, City of Atlanta, Mayor's Office of Sustainability and Resilience
12.15 – 12.45	Working Groups Breakout Session <ul style="list-style-type: none"> • Clean Energy Funding • Community and Partner Engagement • Decarbonize Atlanta • Transportation Infrastructure 	ALL
12.45 – 12.50	Public Comments	Public
12.50 – 13.00	Meeting Wrap up and Next Steps <ul style="list-style-type: none"> • Review Action Items • Confirm Next Clean Energy Advisory Board Meeting Date and Location 	ALL

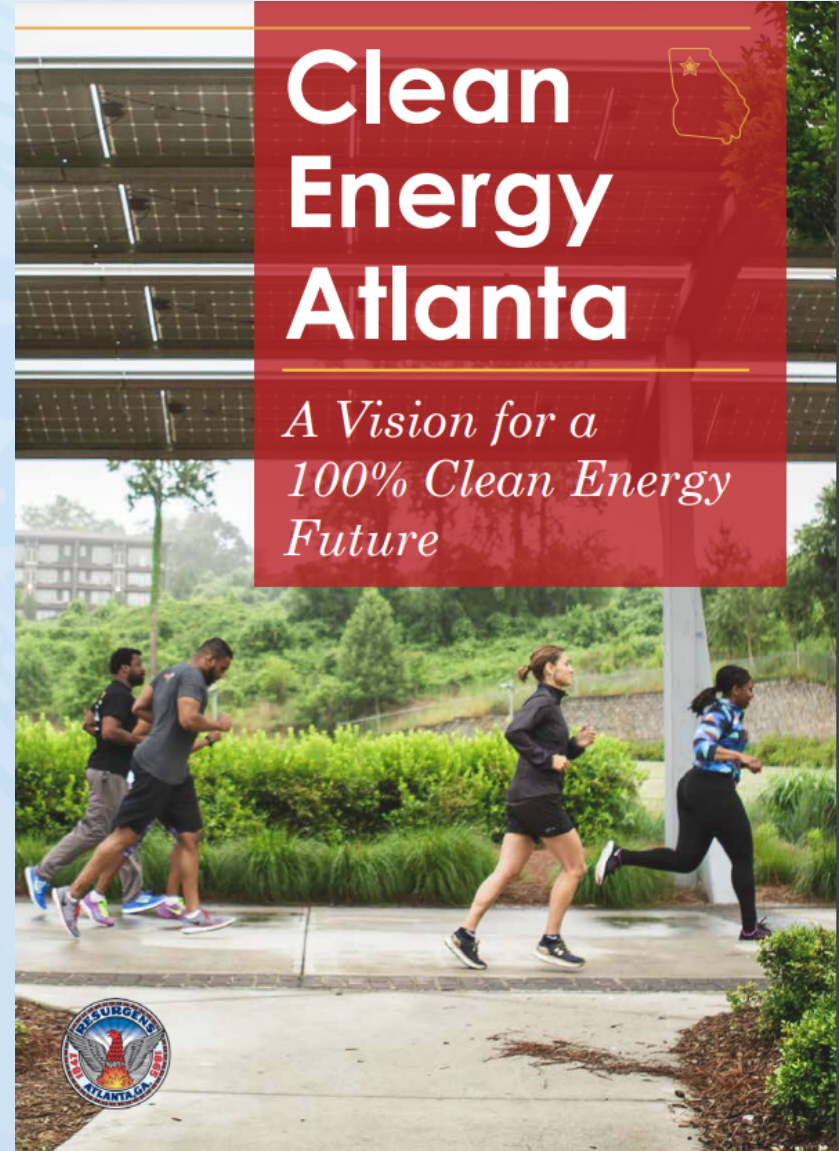
Clean Energy Atlanta **“A Vision for a 100% Clean Energy Future”**

John R. Seydel, Deputy Chief Sustainability Officer
Michelle Midanier, Clean Energy Programs Associate
City of Atlanta, Mayor’s Office of Sustainability and Resilience





Clean Energy Advisory Board Overview of Interim Goals as adopted by City Council

Overview of Interim Goals

1. 10% Clean Energy by 2020
2. 30% Clean Energy by 2025
3. 50% Clean Energy by 2030
4. 100% Clean Energy by 2035



Clean Energy Plan Recommendations

		 Overall Equity	 Economic Development	 Cost Effectiveness
<p>Equity, Economics, and Cost Effectiveness Key</p> <p><i>The following pages highlight energy recommendations across seven categories which can be made at both the community and municipal level</i></p> <p>Already In Place = (Y)</p> <p>Score of 4 = </p>	1	<i>Unfair costs/benefits; may exacerbate inequities</i>	<i>Little/No development</i>	<i>High cost/slow return</i>
	2	<i>Fair costs/benefits; unlikely to move the status quo</i>	<i>Some development</i>	<i>Average cost and return</i>
	3	<i>Good costs/benefits; could improve the status quo</i>	<i>Strong development</i>	<i>Better than average cost and return</i>
	4	<i>Very good costs/benefits; could greatly improve the status quo</i>	<i>Very strong development</i>	<i>Low Cost/Excellent return</i>

Clean Energy Atlanta Progress Overview

Municipal Focused Recommendations

COMPLETED (Y)

1. Revolving Loan Fund (Y)
2. Commercial PACE (Y)
3. Energy Savings Performance Contracting (Y)
4. Expand EV Fleet (Y)
5. Solar Energy Purchase Agreement (Y)
6. Expand Large Scale PV On Site Footprint and Expand Rooftop PV (Y)
7. Sustainable Building Ordinance (Y)

ONGOING (O)

1. Incentives Education Programming (O)
2. Participate in the Georgia Power C&I REDI Program – CRSP (O)
3. Educate on Storage Opportunities (O)
4. Continue & Expand Deep Energy Retrofits Effort (O)
5. Green Bonds - Moving Atlanta Forward (O)
6. Explore Other Renewable Opportunities (O)

Clean Energy Atlanta Progress Overview

Municipal Focused Recommendations

GAPS (Opportunities for policy/program recommendations from the board)

1. Expand DWM Combined Heat and Power
2. Small & Medium Building Retrofit Policy
3. Energy Operations Manager Position
4. Water Efficiency Bulk Purchasing
5. EV Battery Reuse
6. Collaborative Large-Scale Solar with Georgia Power
7. Evaluate a requirement for high-efficiency new and replacement equipment



Clean Energy Atlanta Overview

Community Focused Recommendations

COMPLETED (Y)

1. Support EV Charging Infrastructure Expansion (Y)
2. Ease Solar Permitting (Y)
3. Support EV Infrastructure Charging Expansion (Y)
4. Multiple Rounds of Solarize (Y)
5. Commercial Building Energy & Water Efficiency Ordinance (Y)
6. Water Efficiency Restaurant Certification (Y)
7. Storage Bulk Purchasing (Y)

ONGOING (O)

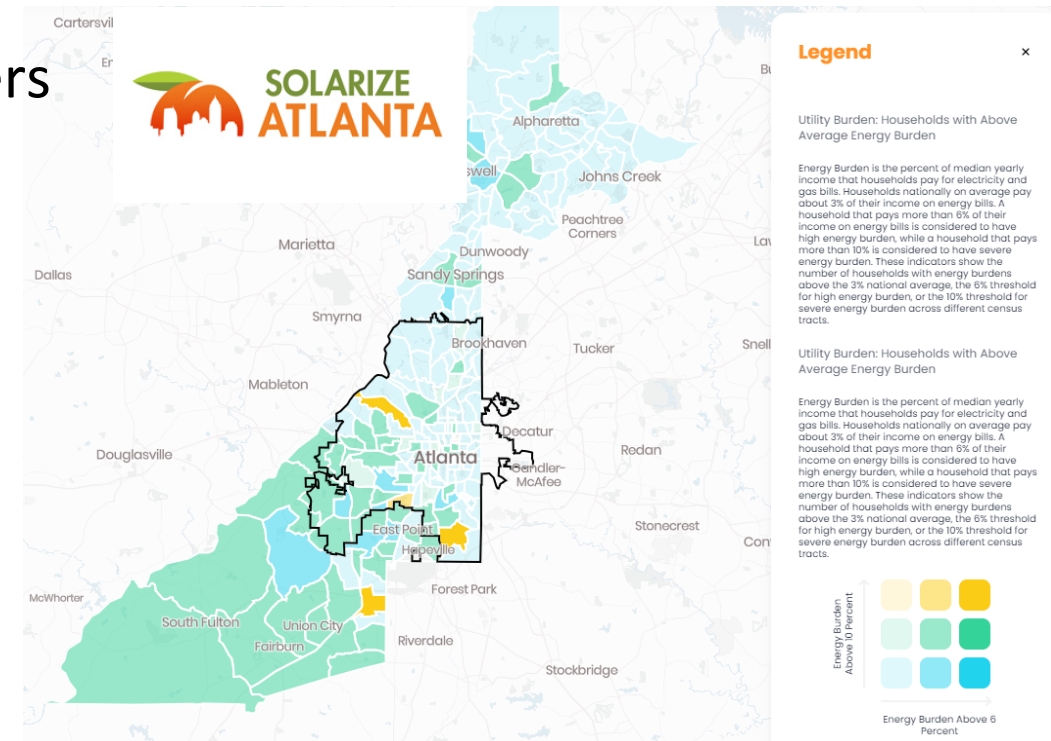
1. Georgia Power Community Solar (O)
2. Equitable Community Solar Program (O)
3. Assess Zoning Code for Other Opportunities (O)
4. Resilience Hub (Solar + Storage) (O)
5. Support Existing Energy Efficiency Efforts (O)
6. EV Home Adoption Support (O)
7. Support Reintroduction of EV Tax Credit or reduction of fee (O)
8. Develop EV Carshare Program for Low-Income Residents (O)
9. Commercial Property Assessed Clean Energy Financing – CPACE (O)

Clean Energy Atlanta Progress Overview

Community Focused Recommendations

GAPS (Opportunities for policy/program recommendations from the board)

1. Support for Low-Cost Rentals of Internal Combustion Engine Vehicles for EV Owners
2. Solar-Ready Building Code
3. Renewable Energy Credit Procurement
4. Buildings Energy “Stretch” Code
5. Round-It-Up Energy Efficiency Program
6. Net Zero Energy Code
7. Renters Energy Task Force
8. Solar Information & Commerce Program
9. Green Tariff
10. Retro-Commissioning Policy



Clean Energy Atlanta Overview

Municipal & Community Focused Recommendations

COMPLETED (Y)

1. On-Bill Financing (Y)
2. EV Ready Building Code (Y)
3. Rate Improvements (Y)
4. Greywater & Rainwater Harvesting Incentives (Y)
5. Water Efficiency Rebate Programs (Y)
6. Engagement and Communication on Efforts
7. Atlanta Better Buildings Challenge (Y)
8. Commercial Building Energy & Water Efficiency Ordinance (CBEEO) (Y)

ONGOING (O)

1. Work Source Training Collaboration (O)
2. Support EV Infrastructure Charging Expansion (O)
3. Net Metering (O)
4. Green Bank (O)
5. Education on Programs and Technology Applications (O)
6. Pay-as-you-save financing option (O)
 - Georgia Power RISE Pilot

Clean Energy Atlanta Progress Overview

Municipal and Community Focused Recommendations

GAPS (Opportunities for policy/program recommendations from the board)

1. On-Bill Financing for Water Efficiency Improvements
2. Net Zero Water Code
3. Special Purpose Local Option Sales Tax
4. Clean Energy Local Products
5. Support for Vehicle-Grid Integration
6. EV Fleet Challenge

November 28, 2022 | Muni Impact
Investor demand for Atlanta's \$369 million
'social bond' cuts city's interest payments



Clean Energy Atlanta Overview

Additional Actions and Recognitions outside of recommendations from Clean Energy Atlanta

Additional Actions:

1. Georgia Power Rate Case and IRP Intervention with four other Georgia local governments that share the same 100% clean energy goal.
2. Atlanta Energy Map - CBEEO Dashboard Pilot and Greenlink Group CBEEO Results.
 1. Available now at: [AtlantaBuildingBenchmarking.com](https://atlantabuildingbenchmarking.com)
3. WeatherRISE ATL
4. Lake Charlotte Carbon Credit Program
5. Better Buildings Challenge 2.0
6. Tree Protection Ordinance
7. Green Bank Opportunities
8. Green Bonds

Recognitions:

1. Atlanta ranked #3 on the EPA's Energy Star Cities Scorecard.
2. Atlanta ranked #33 for North America Fleet Management Association's (NAFA) Green Fleets for the most sustainable commercial and local government fleets in North America.





Atlanta Energy Benchmarkin...

ENERGY STAR® Portfolio Manager Benchmarking

Select Reporting...
All years

Select a Property ...
All building categ...

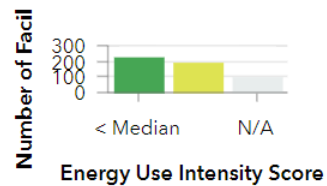


*ENERGYSTAR® Performance Metrics

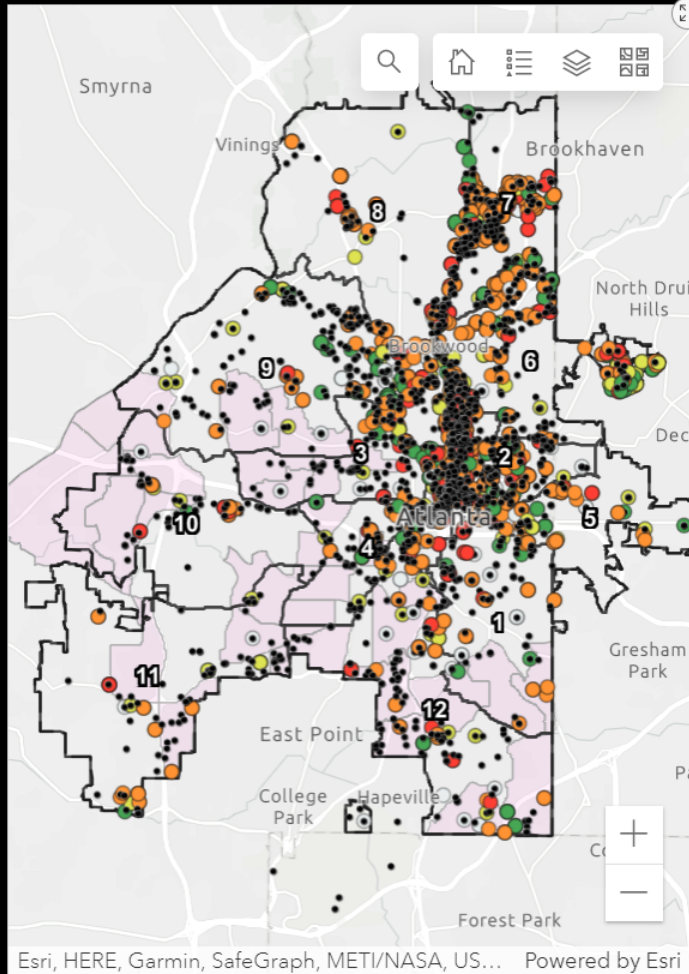
- No Data Reported 60%
- ENERGY STAR® < 50 9%
- ENERGY STAR® > 50 31%

Click the pie chart to filter the map display

+Site Energy Use Intensity (kBtu/ft²)

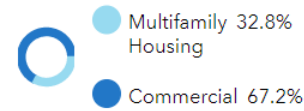


Only Includes Properties That Reported Data. Click the bar chart to filter the map display



Esri, HERE, Garmin, SafeGraph, METI/NASA, US... Powered by Esri

Property Type*



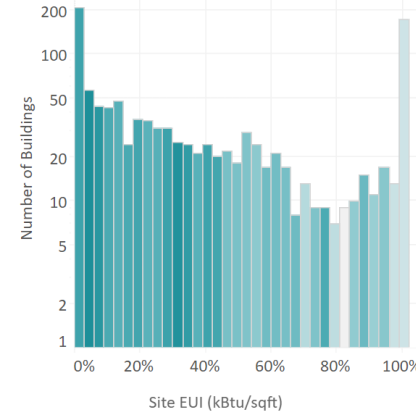
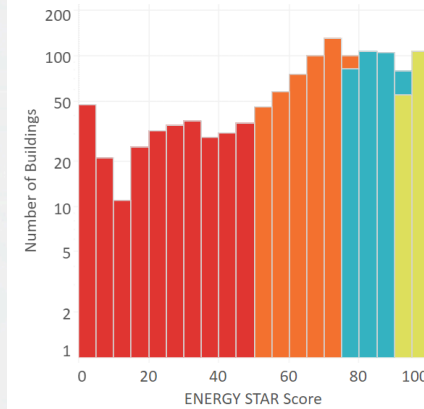
Only Includes Properties That Reported Data. Click the pie chart to filter the map display

Between 2019 - 2021, the City of Atlanta requested energy benchmarking data from 3,464 properties. 1,672 (48%) properties provided ENERGY STAR® and/or Energy Use Intensity (EUI) data.

* An ENERGY STAR® Score is expressed on a scale of 1-100 for assessing the energy performance of commercial buildings. A score of 50+ indicates buildings perform better than 50% of their peers.

The ENERGY STAR score provides a comprehensive snapshot of your building's energy performance, taking into account the building's physical assets, operations, and occupant behavior. It is expressed on an easy-to-understand 1 to 100 scale, where the higher the score, the better the energy performance of the building.

Grouped Property Type: (All) Report Year: (All) Site EUI (kBtu/sqft):



Energy Star Score Grade: Fair (50-75) Good (76-90) Back to Introduction



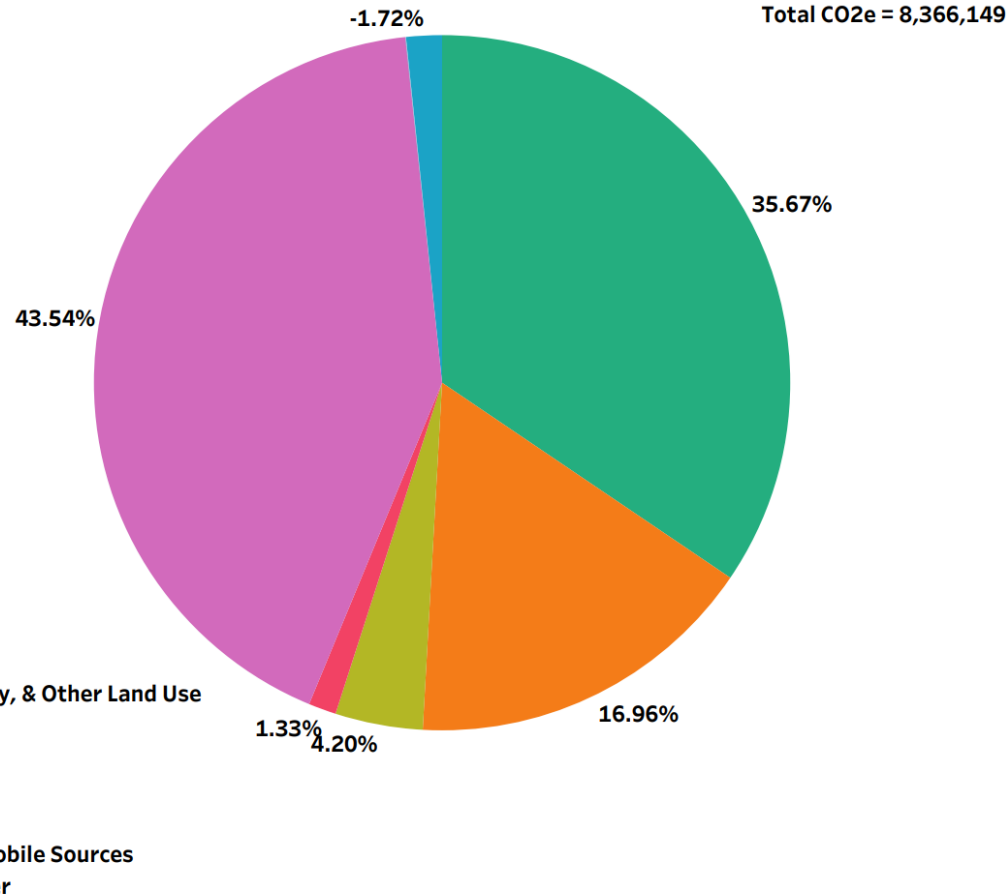
City of Atlanta: 2015 Climate Action Plan Progress

Goals Met in 2020 (2009
Baseline):

- **Commercial Buildings**
- **Residential Buildings**
- **Food Security**
- **Green Space Access**

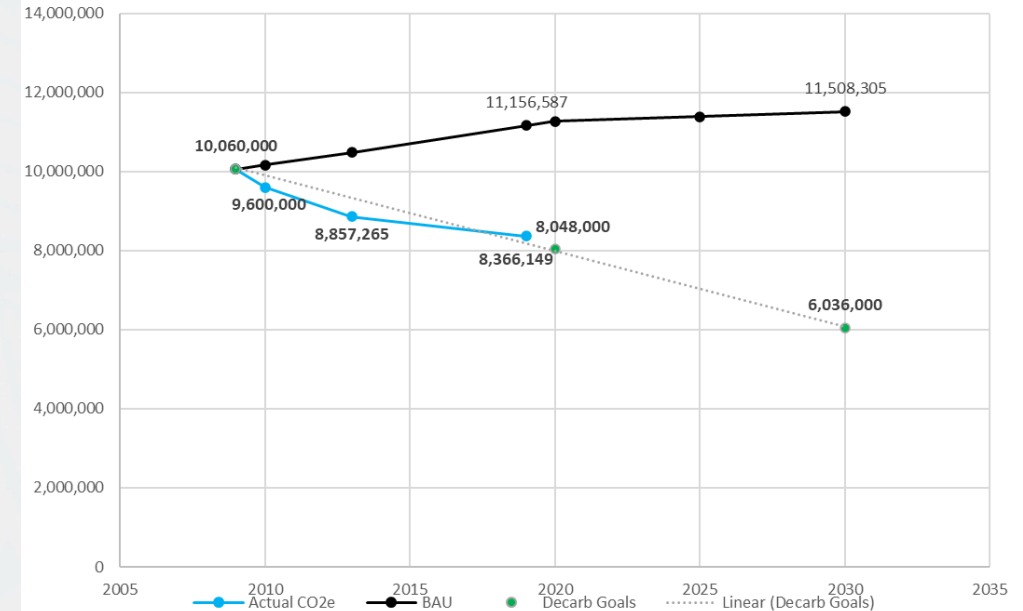
Greenhouse Gas (GHG) Emissions Data

2019 Community GHG Inventory



- Sector
- Agriculture, Forestry, & Other Land Use
 - Commercial Energy
 - Residential Energy
 - Industrial Energy
 - Solid Waste
 - Transportation & Mobile Sources
 - Water & Wastewater

Atlanta Emissions Comparisons



Energy Sector = 57%, Transportation Sector = 44%

Population Growth:

- 2009: 483,450
- 2019: 507,301
 - **4.70% Growth**
- 2023: 522,328

Emissions:

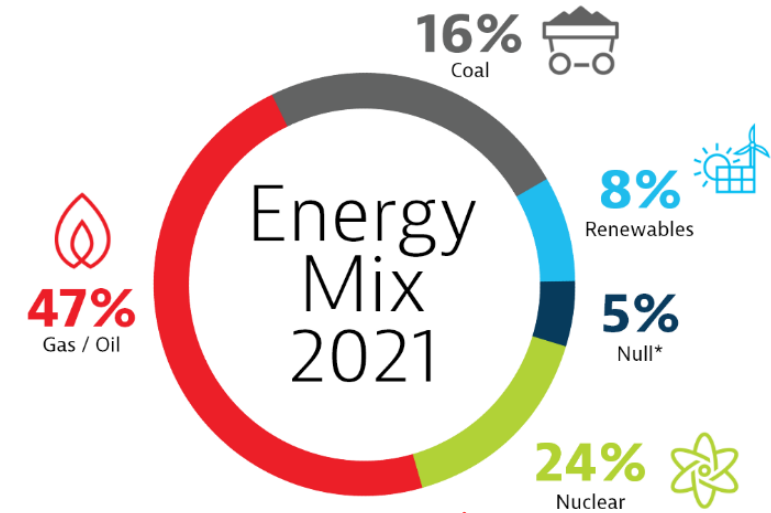
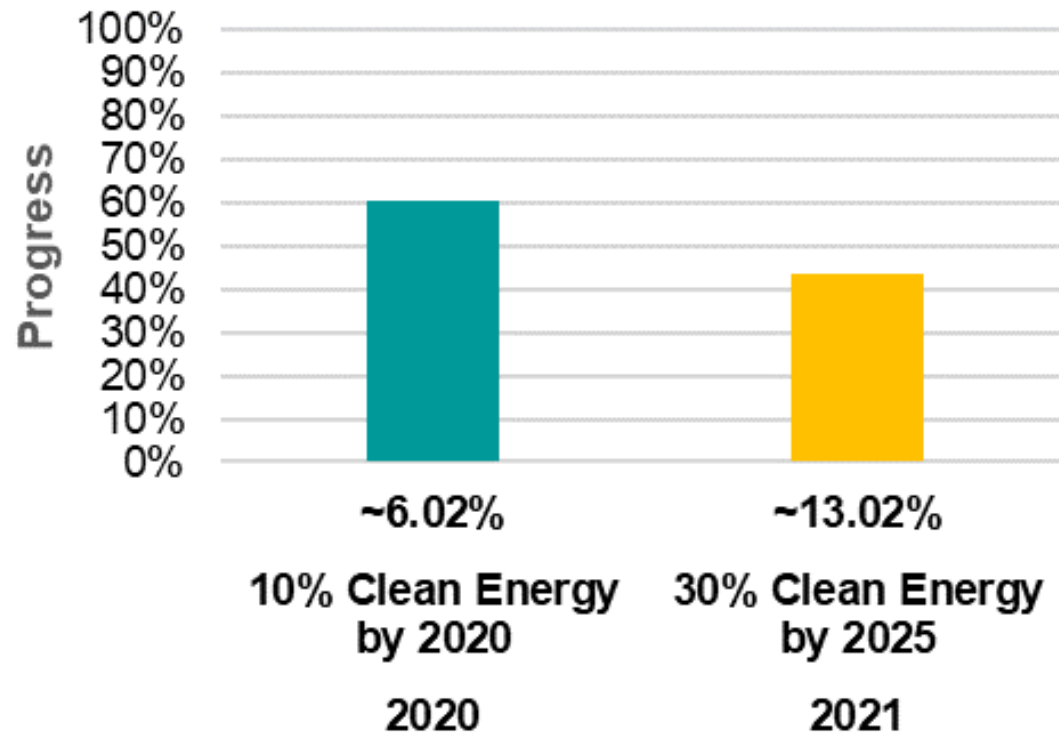
- Methane has more than **80x** the warming power of CO2 over the first 20 years in the atmosphere
 - Landfills, oil & natural gas systems, agriculture, wastewater treatment

Transportation:

- Burning **1 gallon** of gasoline = **20 lbs of CO2 created**
 - An average vehicle = ~6-10 tons of CO2 each year

Renewable Energy on the Grid to Meet 100% of Atlanta Energy Needs

Clean Energy Status



*Georgia Power reports only the null energy output from some renewable generating facilities. Ownership of the associated renewable energy credits (RECs) is specified in each respective power purchase agreement or program tariff. The party that owns the RECs retains the right to use and report them.

Atlanta: CDP Cities A List for 2022

For the first time, the City of Atlanta made the A List and was recognized as a Climate Action Leader!

- **49 cities and counties in USA**
- **12% received an A Score**
- **A List cities report more than three times as many mitigation and adaptation actions as non-A Listers.**



122 cities

across the globe feature on the CPD 2022 A List, named as leaders in environmental action and transparency.



**CITIES A LIST
2022**

Atlanta

ANDRE DICKENS

MAYOR OF ATLANTA

"With leadership from the Mayor's Office of Sustainability and Resilience, the City is focused on tracking our progress and establishing a standard of transparency as we advance climate action goals—like our commitment to reach 100% Clean Energy for 100% of Atlantans by 2035. When combined with our community partnerships, we can drive the urgent action needed to address the increasing impacts of climate change and build a more resilient and equitable future."





QUESTIONS?



**A City Built
for the Future**

“Moving Atlanta Forward Together”

Chandra Farley, Chief Sustainability Officer



Milestones to Date



Roadmap Forward



Key Priorities

Mayor Dickens Vision

One city with one bright future. A city of safe, healthy, connected neighborhoods with an expansive culture of equity, empowering upward mobility and full participation for all residents, embracing youth development, and an innovative, dependable government moving Atlanta forward, together.

Office of Sustainability and Resilience: Roadmap Forward

The City of Atlanta is Investing in creating a strong, healthy and sustainable city that supports our growth and that everyone can enjoy.

The Office of Sustainability and Resilience Key Priorities:

- Analyze Progression of Plan Goals to Move Atlanta Forward
- Draft Strategic Plan for the Office Utilizing Mayor's Key Pillars
- Develop City of Atlanta's Comprehensive Sustainability and Resilience Plan
- Advocate for City resources to hire staff needed to Execute on Plan and Communicate Progress

Office of Sustainability and Resilience: Roadmap Forward



Launch WeatheRISE



Relaunch Clean Energy Advisory Board



Launch Better Buildings Challenge



Establish federal funding roadmap



Establish Workforce Training & Minority Business Development Program in EE

BOARD GOVERNANCE



QUESTIONS?



Working Groups:

- **Clean Energy Funding:** Identify partnerships and define funding strategy to accelerate pathway to 100% Clean Energy including Green Banks, American Rescue Plan Act, the Infrastructure Investment and Jobs Act, and historic climate legislation, the Inflation Reduction Act
- **Community and Partner Engagement:** Develop community-driven engagement, communication and projects strategy including Youth Climate Action, Internal & External Stakeholder Engagement and Education, Workforce Development, and roadmap to Reduce Energy Burden in underserved communities
- **Decarbonize Atlanta:** Reduce building greenhouse gas emissions, implement building performance standards, retrofit buildings and homes to improve energy efficiency adoption and workforce development
- **Transportation Infrastructure:** Define roadmap and timeline for EV Infrastructure and Citywide Charging Stations, “Complete Cities”, Transit Oriented Development, Public Transportation Improvements and Incentives

Working Groups Breakout Session



12:15 p.m. – 12:45 p.m.

- ✓ **Introductions and Select Co-Chairs (2 Minutes)**
- ✓ **Review Scope of Working Group and Roadmap Document (3 Minutes)**
- ✓ **Brainstorm Short-term and Long-term Strategic Focus Areas and Note on Flip Chart (15 Minutes)**
- ✓ **Review List and Each Member Vote on their Preferred Focus Area and Place a Sticker Next to Top 3 (5 Minutes)**
- ✓ **Wrap-up and Select Next Meeting Date (5 Minutes)**

PUBLIC COMMENTS



NEXT STEPS



THANK YOU!

