

# A Vision for a 100% Clean Energy Future



clean energy atlanta



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To deliver on the mission, the Office of One Atlanta’s sustainability agenda is divided into two broad themes:

## Food

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Objective: reduce food insecurity across the City by ensuring 85% of Atlantans have access to fresh food within a half mile of their home

### Policy Areas:

- Food Recovery
- Urban Agriculture
- Food Access
- Waste Diversion
- Land Use

## Climate

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Objective: put the City on a pathway to meet the Paris agreement and achieve 100% clean energy by 2035. (ACCC commitment = 35% reduction GHG by 2025)

### Policy Areas

- Transportation
- Buildings – new construction, efficiency and affordability
- Energy Burden
- Municipal Operations
- Waste Diversion
- Urban Agriculture
- City Planning
- Ecology

**In May 2017, the Atlanta City Council unanimously passed Resolution No. 17-R-3510, which directed the Mayor's Office of Resilience to develop a plan to transition the City of Atlanta operations and the community to 100 percent clean energy by 2035.**

# The Atlanta City Council resolution defines “clean energy” as...

“energy efficiency, wind, solar, existing and low-impact hydroelectric, geothermal, biogas, and wave technology sources. Energy efficiency includes traditional technology and behavioral measures, as well as cogeneration and district heat and cooling”



# Clean Energy Atlanta



*A Vision for a  
100% Clean Energy  
Future*

**In March 2019, the Atlanta City Council formally adopted Clean Energy Atlanta, the plan to transition to 100 percent clean energy.**

View the plan at [100atl.com](http://100atl.com)



# OVERVIEW OF THE ENGAGEMENT PROCESS

Over  
**3,000**  
Atlanta  
Community  
Members  
Engaged



Online Survey

**1,700 Responses**



25 NPU Meetings

**1,000 Residents**



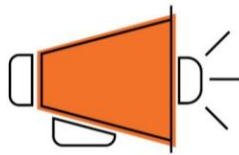
Six Stakeholder Sessions

**90 Experts**



Dozens of Focused Meetings

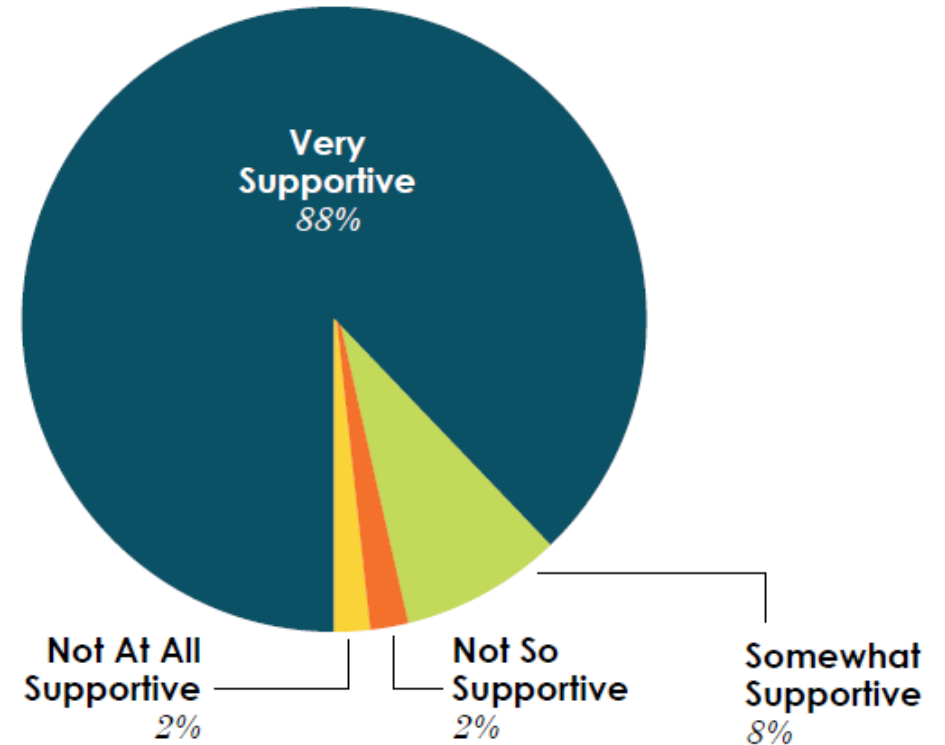
**70 Leaders**



Seven Community  
Conversations & Two  
Partner Events

**300 Participants**

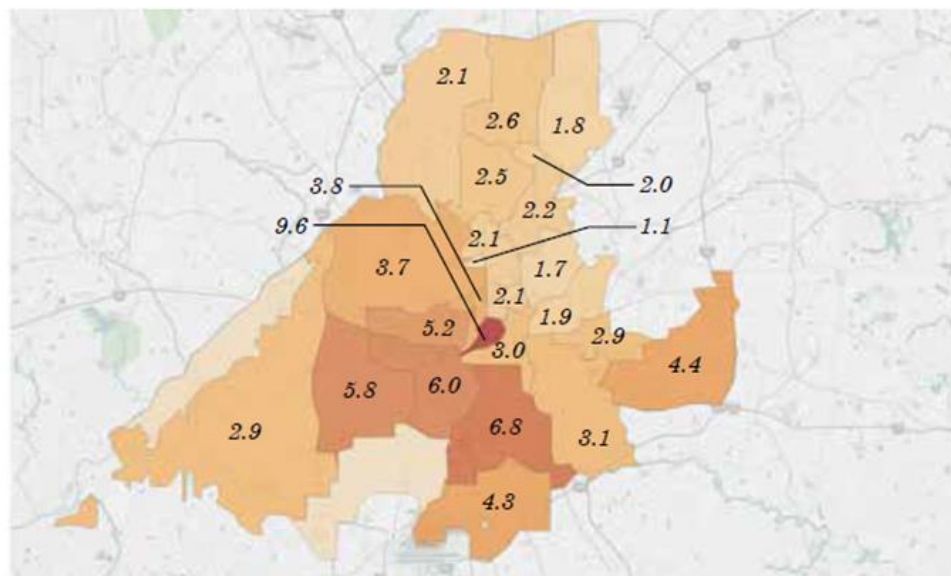
## Public Support Of Atlanta's Clean Energy Goals from Survey *(Source: Southface/ The Greenlink Group)*




# Priorities

**100% of Atlantans have a right to 100% clean energy**

- 01** Energy equity must be a priority
- 02** Investments in energy efficiency must be increased
- 03** Local investments in renewable energy must be prioritized over investments outside of the Atlanta Metro



Atlanta Residential Electricity Burden By ZIP Code

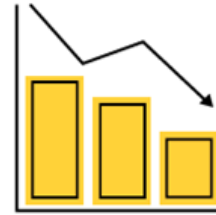
1.1%  9.6%

**Energy Burden** = % of household income spent on electricity + natural gas

Atlanta has one of the **highest** energy burden in U.S.



Atlanta has three approaches that can be taken to achieve the 100% clean energy targets



**1st**  
*Use less energy overall*



**2nd**  
*Generate more clean energy*



**3rd**  
*Buy renewable energy credits*

## Current State of Atlanta's Energy



**8.1 million**

Atlanta currently uses 8.1 million MWh of electricity annually. That's enough electricity to power 150 indoor stadiums.

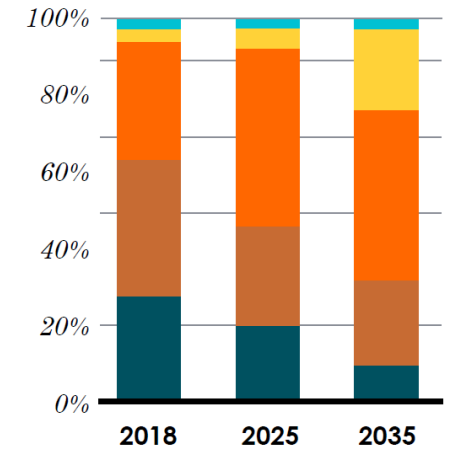


**+11%**

Electricity demand is expected to increase 11 percent by 2035 (enough to generate CO<sub>2</sub> emissions equivalent to adding 110,000 cars to city roadways).

### Energy Distribution

7 percent of Atlanta's electricity is used for City of Atlanta municipal operations. 93 percent of electricity is used by the rest of Atlanta. (Source: The Greenlink Group)






Current and Projected Sources of Atlanta's Electricity (%)  
(Source: The Greenlink Group)

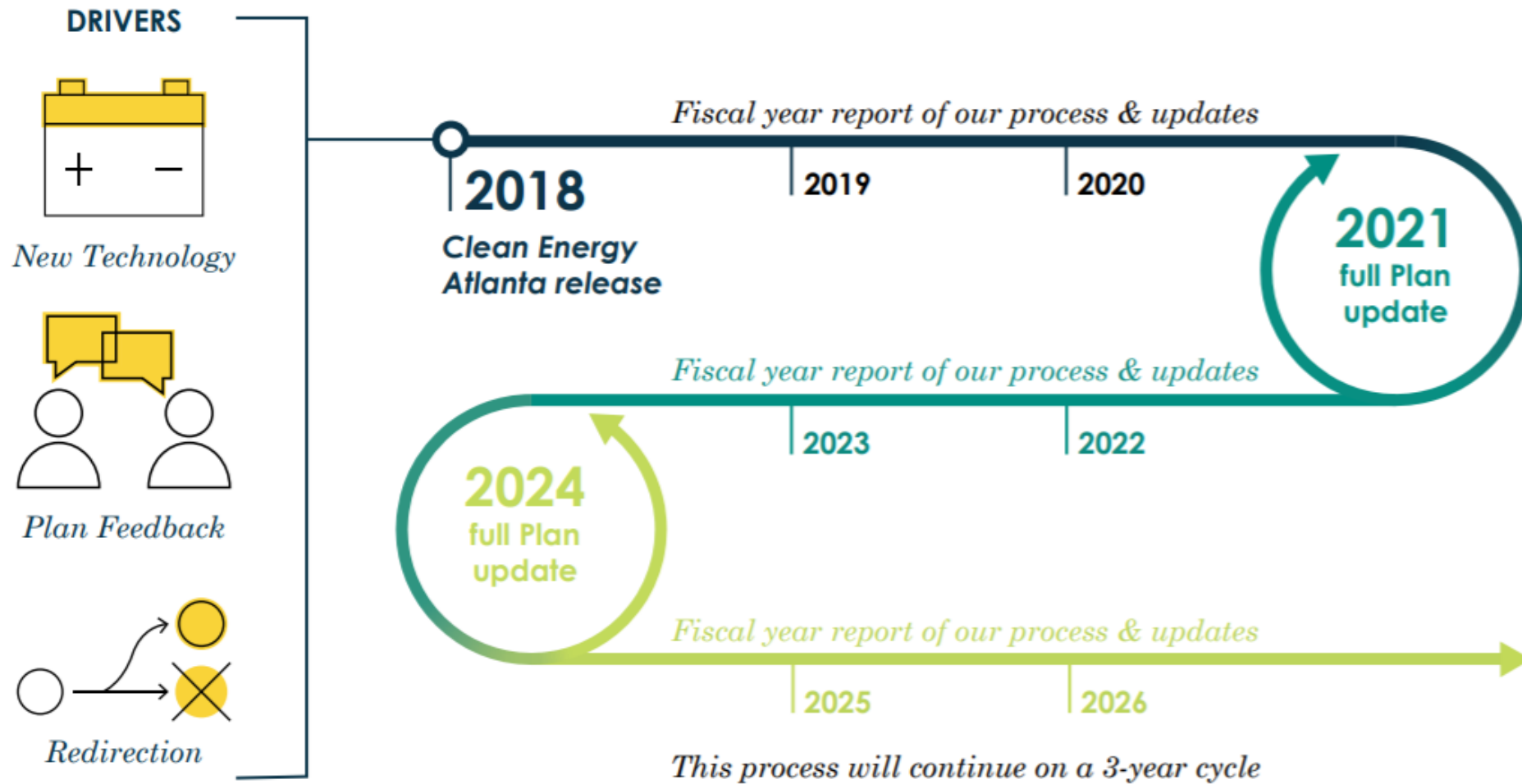




# Policies Reviewed Based on Equity, Economic Development, and Cost Effectiveness Potential

		 Overall Equity	 Economic Development	 Cost Effectiveness
<b>Equity, Economics, and Cost Effectiveness Key</b>  <i>The following pages highlight energy recommendations across seven categories which can be made at both the community and municipal level</i>  Already In Place = (Y)  Score of 4 = ●	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>

## The Revision Cycle of Clean Energy Atlanta & the Drivers That Will Influence these Revisions



# 2019 – 2021 Highlights



# Clean Energy Advisory Board

**Atlanta's Clean Energy Advisory Board** was established in March 2021 in order to build public support for the Plan from a diversity of stakeholders and to leverage local expertise on clean energy issues.





# American Cities Climate Challenge Grant

In 2019, Atlanta was selected along with 25 other cities to scale and **implement climate solutions** to help grow the economy, protect public health, and upgrade city infrastructure to meet the needs of the 21st century.



# Georgia Power Engagement

In May of 2019, the City of Atlanta submitted comments to the Georgia Public Service Commission (PSC) regarding Georgia Power's 2019 **Integrated Resource Plan (IRP)** advocating for:

- Expanded access to **residential energy efficiency and renewable energy** programs
- Continued and improved **access to utility data** to improve energy efficiency efforts
- Increased access to **renewable energy**



# Georgia Power Engagement Cont.

In October of 2019, the City of Atlanta formally intervened in Georgia Power's 2019 **Rate Case** advocating **against the proposed rate increases.**

The City of Atlanta participates in the Public Service Commission **Demand-Side Management Working Group**





# Energy Burden

In 2020, a two-phase **Energy Burden Program Framework** was developed to provide energy efficiency interventions to owner-occupied single-family homes in high energy-burdened low-income census tracts.

Continued participation in an informal **Georgia Power Energy Burden Working Group** to collaboratively identify and address the needs related to the Energy Burden in Atlanta.





# PACE Financing

A **\$500 million** commercial Property Assessed Clean Energy (**PACE**) **financing** program will make **funding** available to constituents for energy efficiency, on-site renewable energy, and water efficiency improvements.

A grayscale photograph of a large array of solar panels installed on a flat roof. The panels are arranged in neat rows and columns, with some electrical conduits visible. The background shows a dark, wooded area.

# Solar Atlanta

## Solar Energy Procurement Agreement (SEPA) with Cherry Street Energy

14 **Municipal Facilities** powered  
with solar electricity

**2020** Production: 808.596 MWh

**2019** Production: 949.491 MWh

**2018** Production: 81.596 MWh





# Solarize Atlanta

**Bulk purchasing campaign** for residential and commercial solar

**2018:** 855.0 kW Residential  
35.58 kW Commercial  
533.56 kWh Battery Storage

**2021:** Launching in spring 2021  
Participating in national LMI solarize cities cohort (with RMI)



# Atlanta Better Buildings Challenge

**Goal achieved in 2019!**

**450+ buildings** voluntarily committed to reduce energy and water consumption by 20% by 2020

**Total energy saved** = 6.75 billion BTU or enough to power nearly 150,000 homes for a year

**Total water saved** = 1.3 billion gallon or equivalent to a 30-day supply of water for the City of Atlanta





# Commercial Buildings Energy Efficiency Ordinance

Phased in multifamily properties in **2019**

Now requires over 2000+ **commercial and multifamily** properties to:

- **Benchmark** – Track their energy and water usage
- **Transparency** - Share their data
- **Energy Audits** – Hire a professional to identify energy savings opportunities



# Guaranteed Energy Savings Performance Contracts

## 35+ Municipal Facilities

**Energy savings measures** such as system optimizations, lighting upgrades, building envelope improvements, domestic water conservation, and electrical upgrades

**\$9.9 Million** Guaranteed Annual Savings



# Sustainable Building Ordinance

All new municipal buildings over  
5,000 ft<sup>2</sup> - **LEED™ Silver certification**

Existing municipal buildings over  
25,000 ft<sup>2</sup> - **LEED™ Existing  
Buildings: Operation &  
Maintenance certification**





# Electric Vehicles

**50+ Alternative Fuel Vehicles**  
deployed in City fleet

Most comprehensive **electric vehicle readiness policy** in U.S.  
passed in November 2017

# 2019 – 2021 Summary



## Solar

- Solar Atlanta
- Solarize ATL
- Municipal Renewable Energy Procurement Strategies Research



## Energy Efficiency

- Atlanta Better Buildings Challenge Completed
- Commercial Buildings Energy Efficiency Ordinance
- Sustainable Building Ordinance
- Guaranteed Energy Savings Performance Contracts



## Energy Equity

- Energy Burden Program Framework Development
- Georgia Power Energy Burden Working Group
- 100% Renewable and Equitable Cities Cohort



## Engagement

- Clean Energy Atlanta Advisory Board
- GA Power 2019 IRP and Rate Case
- Public Service Commission Demand-Side Management Working Group

# 2019 – 2021 Summary Continued



## Financing

- Property Assessed Clean Energy (PACE)



## Collaboration

- American Cities Climate Challenge (ACCC)
- LMI Solarize Campaign Cohort



## Research

- Building Decarbonization Roadmap Development
- GhG Emissions Reporting



## Next Steps

- Clean Energy Atlanta Plan update
- Renewables Procurement Strategy