

The image features a wide-angle photograph of the Atlanta skyline at dusk or dawn. The foreground is filled with a dense, lush green forest. In the middle ground, several skyscrapers are visible, including the Bank of America Tower. A large white circle is superimposed over the center of the image, containing the 'ATL' logo. The 'A' is red, the 'T' is dark blue, and the 'L' is light blue with an arrow pointing to the right. Below the logo, the text 'Moving Atlanta Forward' is written in a dark blue sans-serif font.

ATL

Moving Atlanta Forward



MAYOR'S OFFICE OF
**Sustainability
and Resilience**

City of Atlanta IURC Carbon Credit Webinar

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

A smiling man with short dark hair and a goatee, wearing a blue suit jacket over a light blue and white checkered shirt. He is standing in front of a large, faint, circular seal of the City of Atlanta. The seal features the words 'RESIDENTS' and 'CITY OF ATLANTA' around a central emblem.

CITY OF ATLANTA 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.**



Chandra Farley
Chief Sustainability Officer



John R Seydel
Deputy Chief Sustainability Officer



j. olu baiyewu
Urban Agriculture and Food Systems Director



Beth Graham
Stakeholder Engagement Director



Michelle Midanier
Clean Energy Programs Associate



Shun Barnes
Sr. Management Analyst



Ameenah Abdul-Hakeem
*WeatherRISE ATL
Program Administrator*



MAYOR'S OFFICE OF Sustainability and Resilience

*Leading science-based analysis informed by
the community to uplift sustainability,
climate action & environmental justice in City
Hall and across Atlanta!*

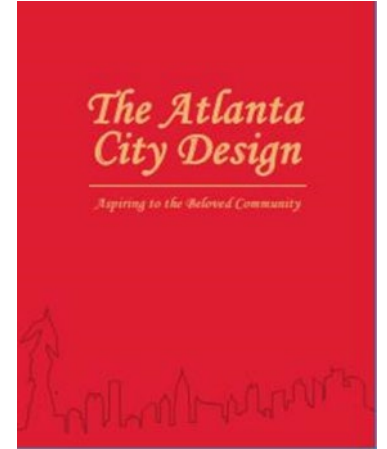
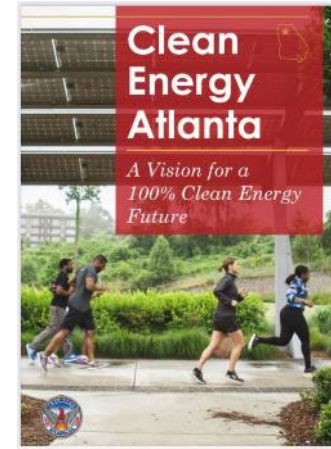
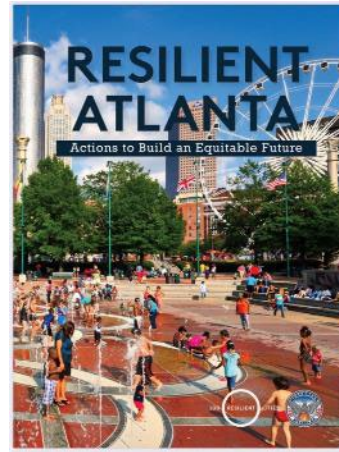
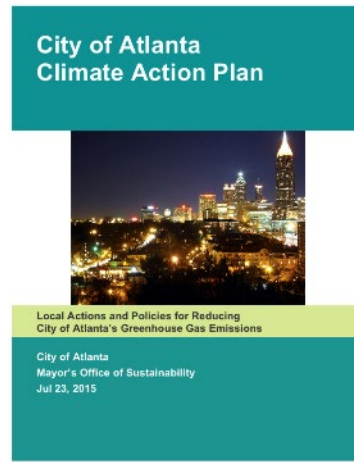
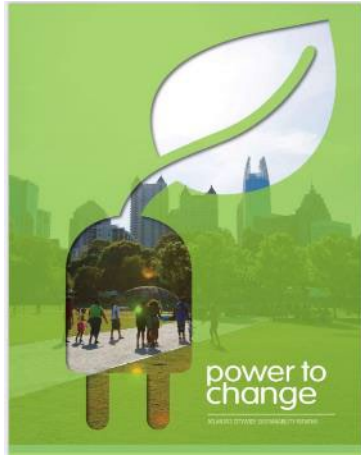
CITY OF ATLANTA

MAYOR'S OFFICE OF SUSTAINABILITY & RESILIENCE

The Mayor's Office of Sustainability & Resilience leads **science-based analysis informed by the community** to establish, develop, implement, and promote policies, programs, and initiatives related to environmental sustainability, climate resilience, circular economy and food security **rooted in environmental justice.**



MAYOR'S OFFICE OF
**Sustainability
and Resilience**



Climate Resilient ATL



Climate resilience is about successfully coping with and managing the impacts of climate change while preventing those impacts from growing worse —and doing so in ways that make the world more equitable and just, not less.

<https://www.ucsusa.org/>



**MAYOR'S OFFICE OF
Sustainability
and Resilience**

CITY OF ATLANTA SUSTAINABILITY AND RESILIENCE GOALS

- 100% Clean Energy for 100% Atlantans by 2035
- Reduce Energy Burden by 10% of the Most Energy Burdened Households
- 59% Reduction in Greenhouse Gas (GHG) Emissions by 2030
- Add 250 Electric Vehicle Charging Ports across Atlanta through 2025
- Fresh and Affordable Food Access within 0.5 Mile for 100% Atlantans by 2030

Tree Canopy Goals:

- 50% average Tree Canopy cover in Atlanta
- Planting 8,000 Downtown Trees, doubling the baseline downtown trees.

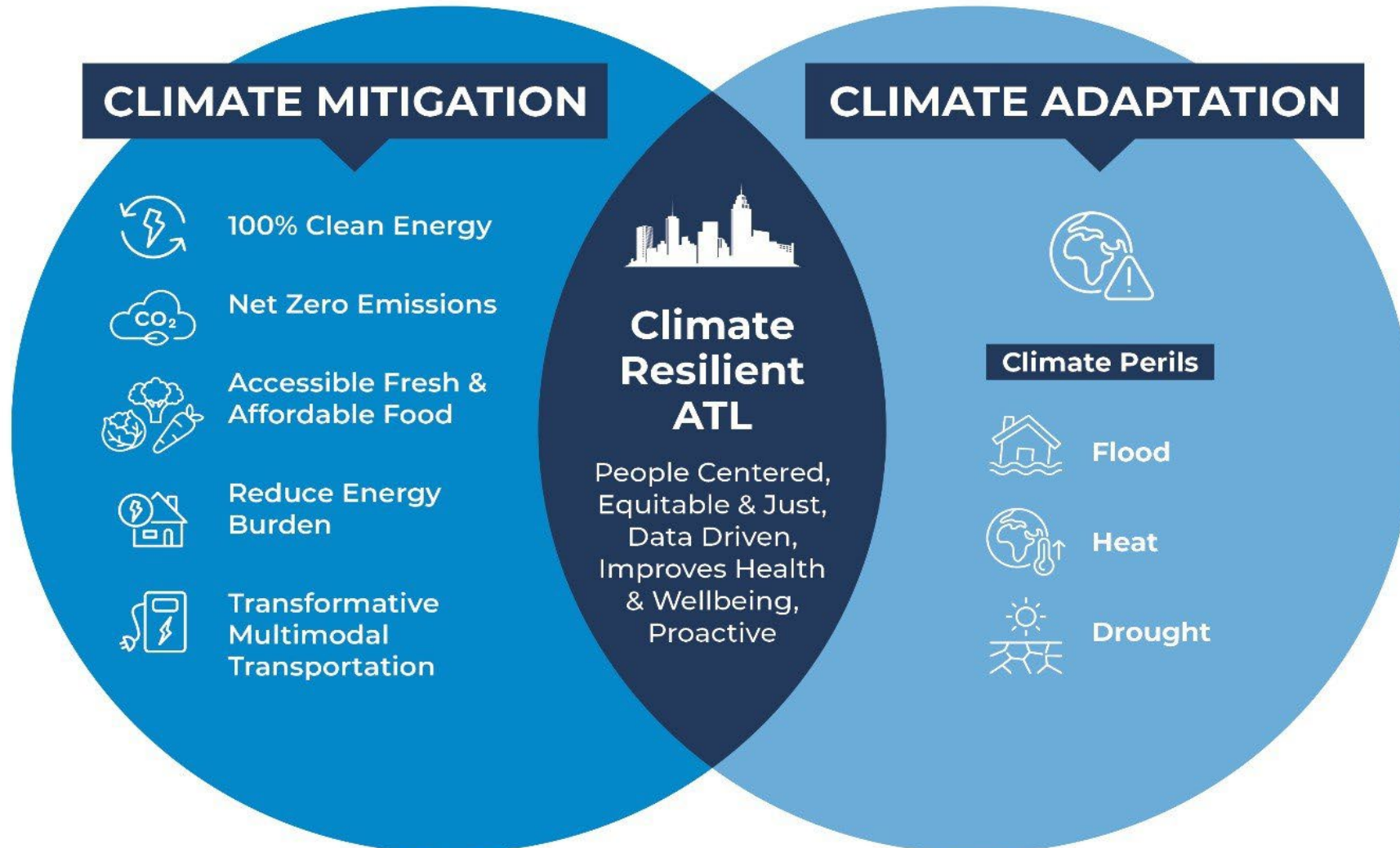


MAYOR'S OFFICE OF
**Sustainability
and Resilience**

CLIMATE RESILIENCE ACTION PLAN FRAMEWORK



MAYOR'S OFFICE OF
**Sustainability
and Resilience**



Building Atlanta's First Climate Resilience "Action" Plan

STAKEHOLDER ENGAGEMENT



NPU UNIVERSITY
P1011 Climate Resilient ATL: Building Climate Resilience in Atlanta Communities, Together!

THURSDAY, APRIL 3, 2025
6:00 p.m. - 8:00 p.m.
Via Zoom



REGISTER TODAY! Join us as we explore how Atlanta is shaping equitable, sustainable, climate resilient, and connected communities, Together!

 ATL Moving Atlanta Forward | MAYOR'S OFFICE OF Sustainability and Resilience

ATLANTA YOUTH CLIMATE ACTION SUMMIT
"OUR POWER, OUR PLANET"
Tuesday, April 22, 2025



 ATL Moving Atlanta Forward | ATL Year of the Youth | ATL Moving Atlanta Forward | MAYOR'S OFFICE OF Sustainability and Resilience



ATL VISION
CLIMATE RESILIENT ATL
COMMUNITY MEETING

Wednesday, APRIL 30, 2025
5:30 p.m. - 7:30 p.m.



REGISTER TODAY! Join us to inform Atlanta's first community-led and data driven Climate Resilience Action Plan anchored in equity and environmental justice.

 ATL Moving Atlanta Forward | MAYOR'S OFFICE OF Sustainability and Resilience



Join Us To Shape the Vision
CLIMATE RESILIENT ATL

TUESDAY, JULY 15, 2025
5:30 P.M. - 7:30 P.M.
BROWNWOOD RECREATION CENTER
602 BROWNWOOD AVENUE SE
ATLANTA, GA 30316



REGISTER HERE

 ATL Moving Atlanta Forward | MAYOR'S OFFICE OF Sustainability and Resilience



Join Us to Shape the Vision
"CLIMATE RESILIENT ATL"

Climate Resilient ATL Community Meeting
Tuesday, September 30, 2025
6:30 p.m. - 8:30 p.m.
Atlanta City Hall Atrium
55 Trinity Avenue, Atlanta, GA 30308

Register At: [Bit.ly/ClimateResilientATL](https://bit.ly/ClimateResilientATL), or scan QR code.



 ATL Moving Atlanta Forward | MAYOR'S OFFICE OF Sustainability and Resilience

16

Climate Resilient
ATL Events

1,274

Atlantans
Engaged

1,921

Community
Recommendations

9,677

Social Media
Impressions

Why Carbon Credits?

❖ **Innovative Revenue Generation**

- Achieving our goals require resources!
- Maintenance and stewardship for the City's Forests is underfunded.

❖ **Climate Resilience & Greenspace Equity**

- Enhances stormwater management, air quality, and biodiversity
- Supports greenspace access within a half-mile walking distance for all residents.

❖ **Sustainable and Scalable Funding**

- Generates revenue that can be reinvested into urban forestry, climate resilience projects, and community initiatives



City Forest Credits

Generate high-quality projects and new carbon revenue for greener, healthier, and more equitable cities

- ❖ National 501(c)(3) nonprofit carbon registry that manages carbon and impact standards for metropolitan areas in the United States.
- ❖ Connect conservation and urban forest leaders to new source of funding
- ❖ Empower companies to invest in local climate action
- ❖ Developed national carbon protocols with leading national urban forest and forest carbon scientists and professionals



Challenges

Losing urban trees

36 million trees lost each year nationwide

Urbanization

Over 80% of the U.S. population lives in cities and towns

Inequitable distribution

Under-resourced neighborhoods have fewer trees

Lack of public funding

Budgets strained, not enough money for tree care



City Forest Credits™

Benefits of Trees



Environment



Social Equity

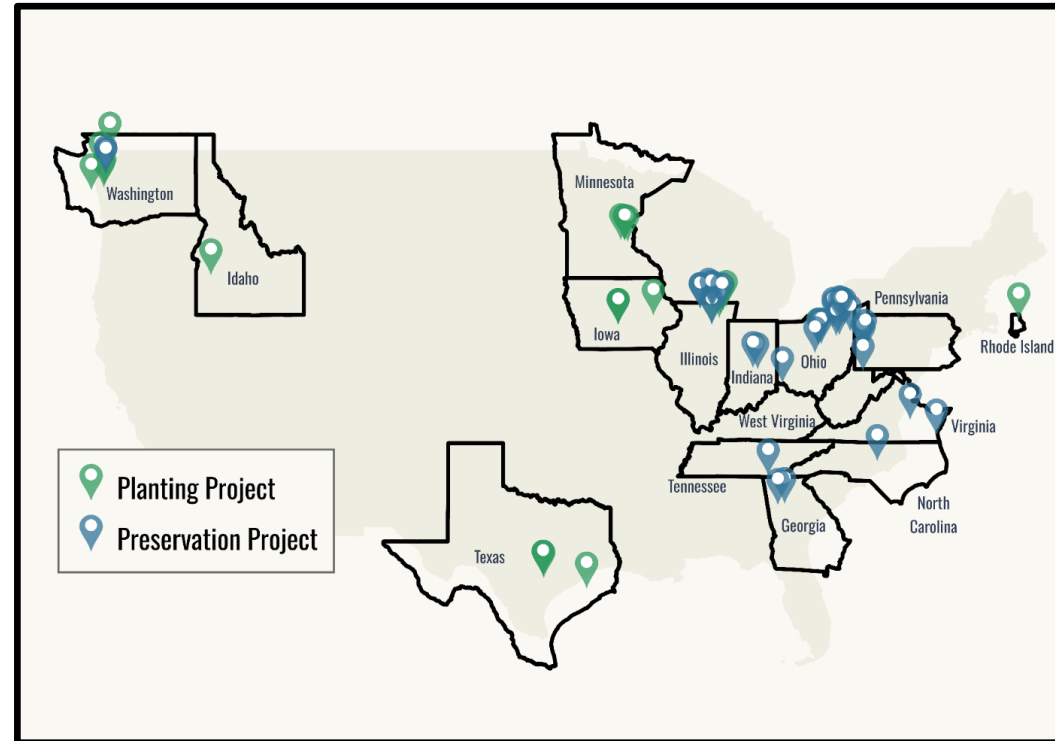


Human Health

- Store carbon
- Manage stormwater
- Enhance climate resilience
- Provide jobs
- Address environmental injustices
- Improve access to nature
- Promote physical activity
- Provide shade

National Impacts

- ❖ **64** registered carbon projects throughout the US
- ❖ Over **300,000 trees** planted
- ❖ Over **2,400 acres** preserved
- ❖ **516,089 metric tons of CO₂e** stored over the projects' lifetime
- ❖ Over **\$9 million in quantified annual co-benefits** (avoided costs)



National Carbon Standard and Protocols

Rulebooks for verified carbon projects

- ❖ Expert forest scientists and urban forest professionals on protocol drafting group
- ❖ 26 - year commitment for planting
- ❖ 40 or 100- year commitment for preservation
- ❖ Rules for location, site ownership, quantification, third-party verification, monitoring, and more
- ❖ Robust and secure system to issue and track credits



Available at: <https://www.cityforestcredits.org/carbon-credits/carbon-protocols/>

Carbon Project Participants

Three main roles in a carbon project

Develop carbon project

**Project
Owner**

Land Trust
City or County
Non-profit Tree Org
Conservation District

Set rules and issue
carbon credits

**Carbon
Registry**

City Forest Credits
Verra
American Carbon Registry
Climate Action Reserve

Buy carbon credits

Buyer

Brokers – buy on company behalf
Companies – direct purchase
Credit sale platforms



City Forest Credits™

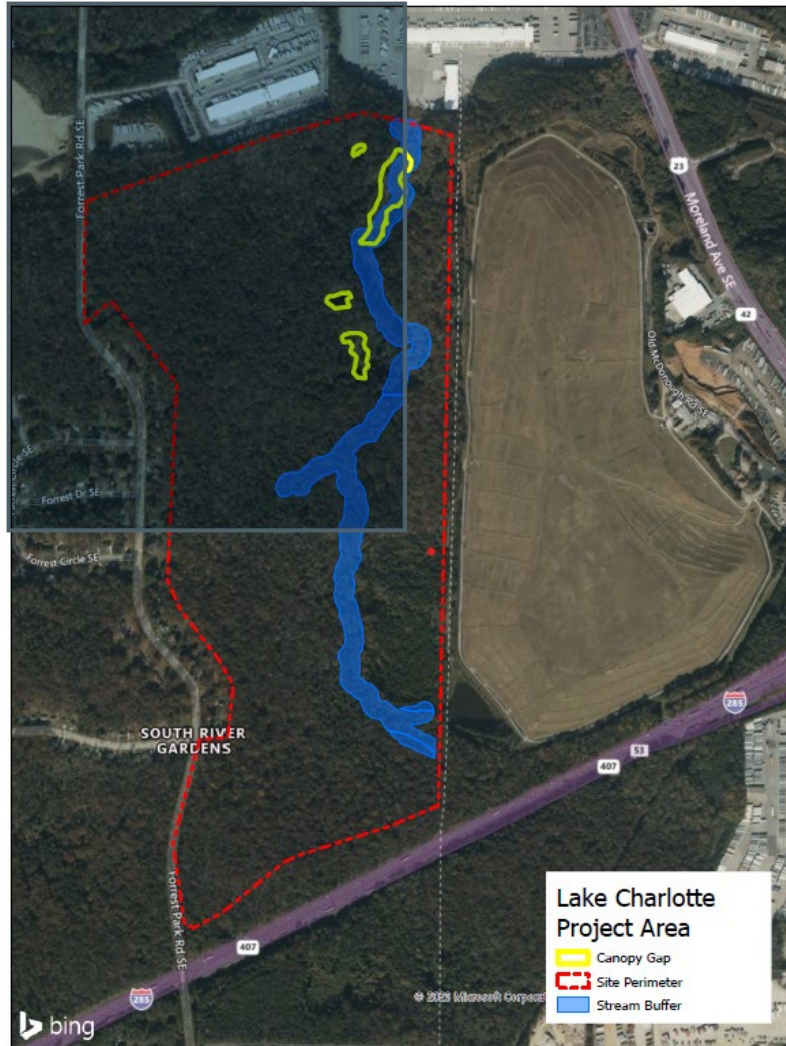
How It Works



Carbon Project Process



The City of Atlanta's First Project: Lake Charlotte Nature Preserve



Preserves almost 200 acres of forested land in City of Atlanta and protect from development

- Property was in danger of imminent destruction from development
- Formerly owned by Waste Management – property was under contract to sell to industrial developer
- The Conservation Fund bought it from Waste Management to protect it, City of Atlanta purchased to permanently protect
- Carbon Credits: 36,365 tons CO₂
- Revenue: ~1 to 1.2 million (sale price \$30 - 35/ton)
- Co-Benefits: \$4M ecosystem services over 40 years

Project Goals / Impacts

- Provide local recreation opportunities for Atlanta residents and connect them to nature
- Protect woodland habitat and prevent fragmentation

Lake Charlotte Nature Preserve



Project Profile

Project Location

Atlanta, GA

Project Operator

[City of Atlanta - Mayor's Office of Sustainability and Resilience](#)

Project Type

Preservation

Project Credits

36,265

Credit Availability

Available

Project Contact

John R Seydel, Deputy Chief
Sustainability Officer of the City
of Atlanta Mayor's Office of
Sustainability and Resilience
jrseydel@atlantaga.gov

Overview

Credits

Impact Stats

Documents

The City of Atlanta is preserving 196 acres of the 216-acre Lake Charlotte Nature Preserve, one of the largest remaining high-quality forests left inside the City of Atlanta, as part of a carbon project. Consisting of a mix of mature hardwood and evergreens, Lake Charlotte is a unique resource for Atlanta, allowing nature-based recreation and environmental education opportunities. Preserving the forest also provides public health benefits such as air quality improvements and urban heat mitigation, along with expanded greenspace access and wildlife habitat.

The Lake Charlotte Nature Preserve Project is an important opportunity to utilize a revenue-generating model to help fund the preservation and stewardship of urban forested properties. Carbon credit revenue will help fund maintenance and stewardship of the property and promote forest health. Not only will preservation of the forest avoid the emissions that would come with development, the forest and carbon stock will grow over time.



City Forest Credits™



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**Sustainability
and Resilience**

Process Summary

Lake Charlotte Nature Preserve Process



❖ City Forest Credits (CFC) – 40 Year Urban Forest Preservation Protocol

- Application
- Contract for Carbon Registry
- Deed Restriction to establish additionality
- Canopy confirmation
- 3rd party verification – supported by CFC
- Ongoing reporting



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and Resilience**

WWW.ATLANTAGA.GOV

Marketing Materials for Lake Charlotte Carbon Credit Program



Lake Charlotte Nature Preserve

PROJECT LOCATION	PROJECT OPERATOR	PROJECT TYPE	CARBON CREDITS	PROTOCOL VERSION
Atlanta, GA	City of Atlanta	Tree Preservation	36,265*	City Forest Credits Preservation Protocol V 11.40

36,265 ICROA-Endorsed Carbon+ Credits from the City of Atlanta's Lake Charlotte Nature Preserve Permanent Forest Conservation.

Value of the Project

Urban growth is projected to add close to 100 million acres of urban land to the United States by 2060. Preserving at-risk parcels near cities delivers critical environmental and social impacts to metro areas. The 196-acre Lake Charlotte Nature Preserve is situated in the densely populated and growing Atlanta area. The 75-year old forest was under contract to be developed before being purchased by the Conservation Fund and then ultimately by the City of Atlanta. The Preserve will provide easy access to nature for nearby communities, will enhance watershed functions, and protect priority habitats. By investing in this project, your company can make a positive impact right in its own backyard.

Unique Public Interest Credits

These carbon credits are public interest credits – a public municipality preserving a forested natural area as a public resource. Through the generation of these credits, improved air quality, reduced stormwater runoff, and reduced heat will result, while also delivering social equity and human health impacts. CFC credits are endorsed by the prestigious International Carbon Reduction and Offset Alliance (ICROA). Buyers can confidently offset their carbon emissions with a public interest credit while giving back to their local communities. Buyers of CFC credits include PayPal, Dominion Energy, Xcel Energy, REI, City of Austin, and more, all seeking the rare community-based credits issued by CFC.

*Total credits to be issued over project lifetime

196 Acres Preserved
Oak-hickory, loblolly-short leaf pine

Rain Interception
26,189 m3/year,
\$68,500 per year

Energy – Cooling (electricity)
244,550 kWh/year,
\$18,561 per year

Co-benefits
Valued at \$100,560 per year

Lake Charlotte Nature Preserve

Carbon+ Credits Available for Purchase

The City of Atlanta developed this project and the credits in compliance with the carbon protocols developed by City Forest Credits, a non-profit carbon registry devoted to urban forest carbon.

These credits represent valuable elements of Atlanta's urban forests – equitable access to greenspace, climate benefits in carbon storage and quantified ecosystem values, and a community resource for health and social cohesion. Proceeds from the credits will fund stewardship and maintenance of the Lake Charlotte Nature Preserve.



cityforestcredits.org



SUSTAINABLE DEVELOPMENT GOALS



Healthy Communities
Improve resident well-being



18,478 tCO_{2e}
Carbon+ Credits issued and available for purchase



196 Acres
Generating \$4 million in ecosystem value over 40 years



Cooperation and Partnerships
Underpin the project's success

FOR MORE INFORMATION PLEASE VISIT

<https://www.cityforestcredits.org/carbon-credits/carbon-registry/atlanta-forest-carbon-offsets/>

CONTACT

John R. Seydel
470-421-6160, jrseydel@atlantaga.gov



What's Next? Scaling Up in 2025: Atlanta's Carbon Credit Program



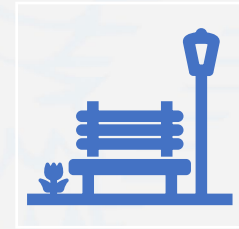
Expansion of Carbon Credit Program –
Atlanta is adding four new sites (Southwest Nature Preserve, Utoy Creek Nature Preserve, Mount Zion Nature Preserve, and South River Nature Preserve), preserving Almost 150 acres of mature forest.



Environmental & Community Benefits –
Protecting these forests enhances climate resilience, air quality, recreation, and biodiversity, while ensuring greenspace access for Atlanta residents.

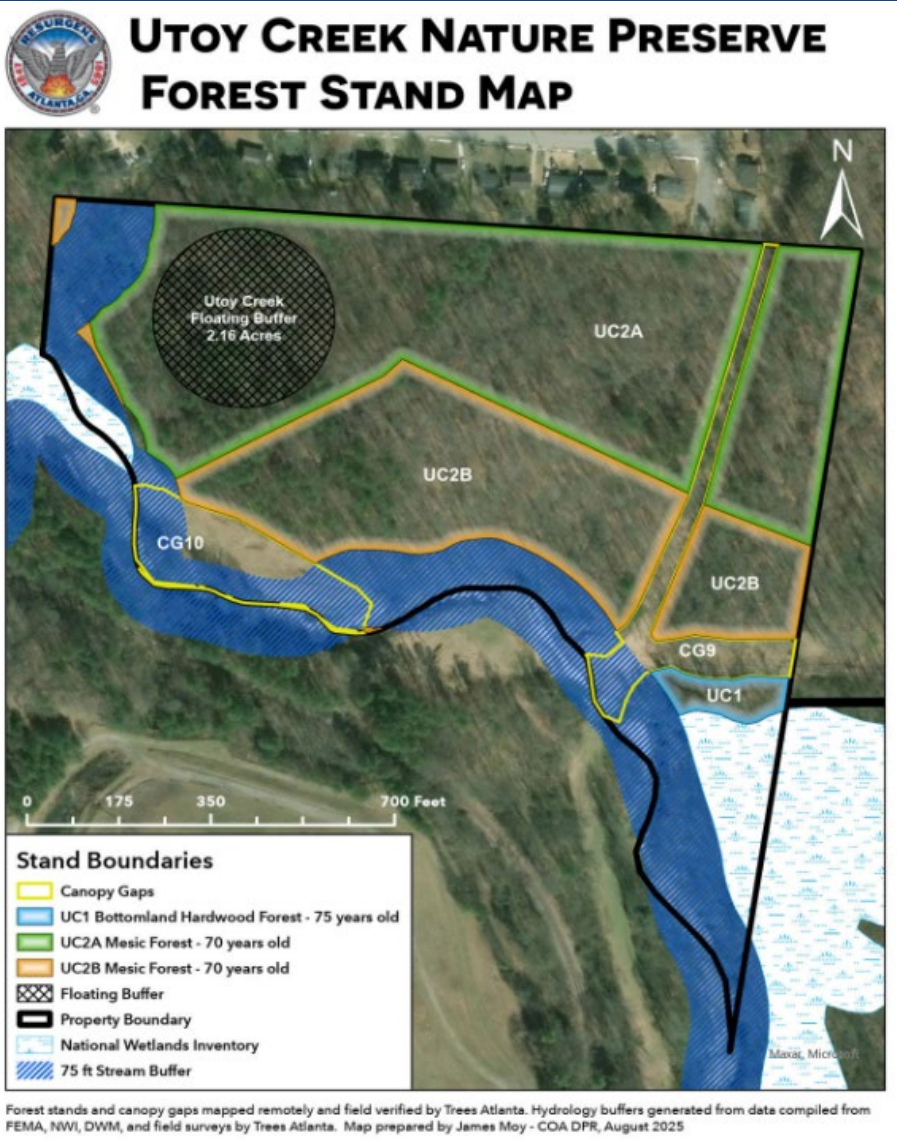


Scaling Urban Forest Conservation – This initiative builds on the success of the Lake Charlotte Nature Preserve Carbon Credit Program and aligns with Atlanta's climate action and urban resilience strategy.



Strong Partnerships & Legacy – Led by the Mayor's Office of Sustainability & Resilience, in collaboration with Parks & Recreation, The Conservation Fund, and regional stakeholders, reinforcing Atlanta's reputation as the "City in the Trees."

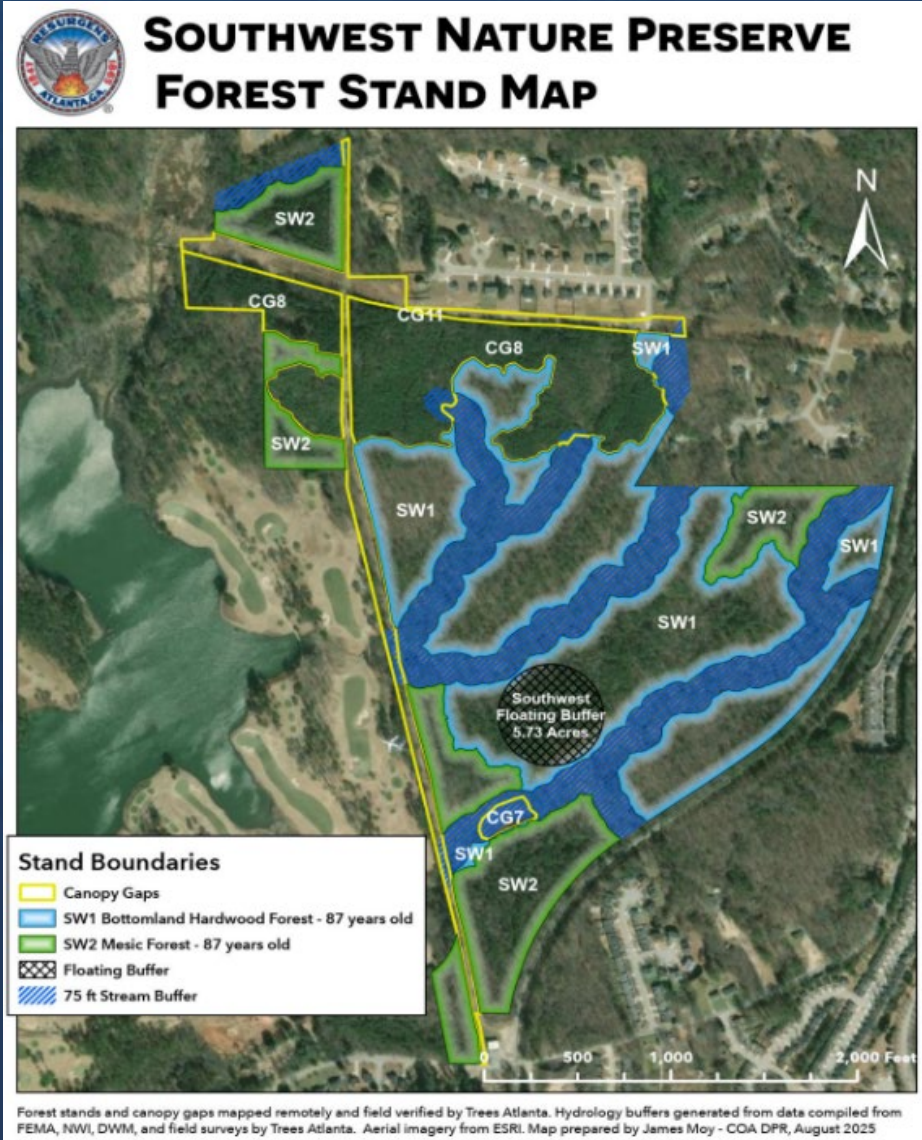
City of Atlanta Carbon Credit Program (2024)



Tree Trust Fund
Purchased
Properties:

Utoy Creek
Nature Preserve
←-----

Southwest
Nature Preserve
-----→



City of Atlanta Carbon Credit Program (2024)



Tree Trust Fund
Purchased
Properties:

Utoy Creek
Nature Preserve



Southwest
Nature Preserve



City of Atlanta Carbon Credit Program (2024)

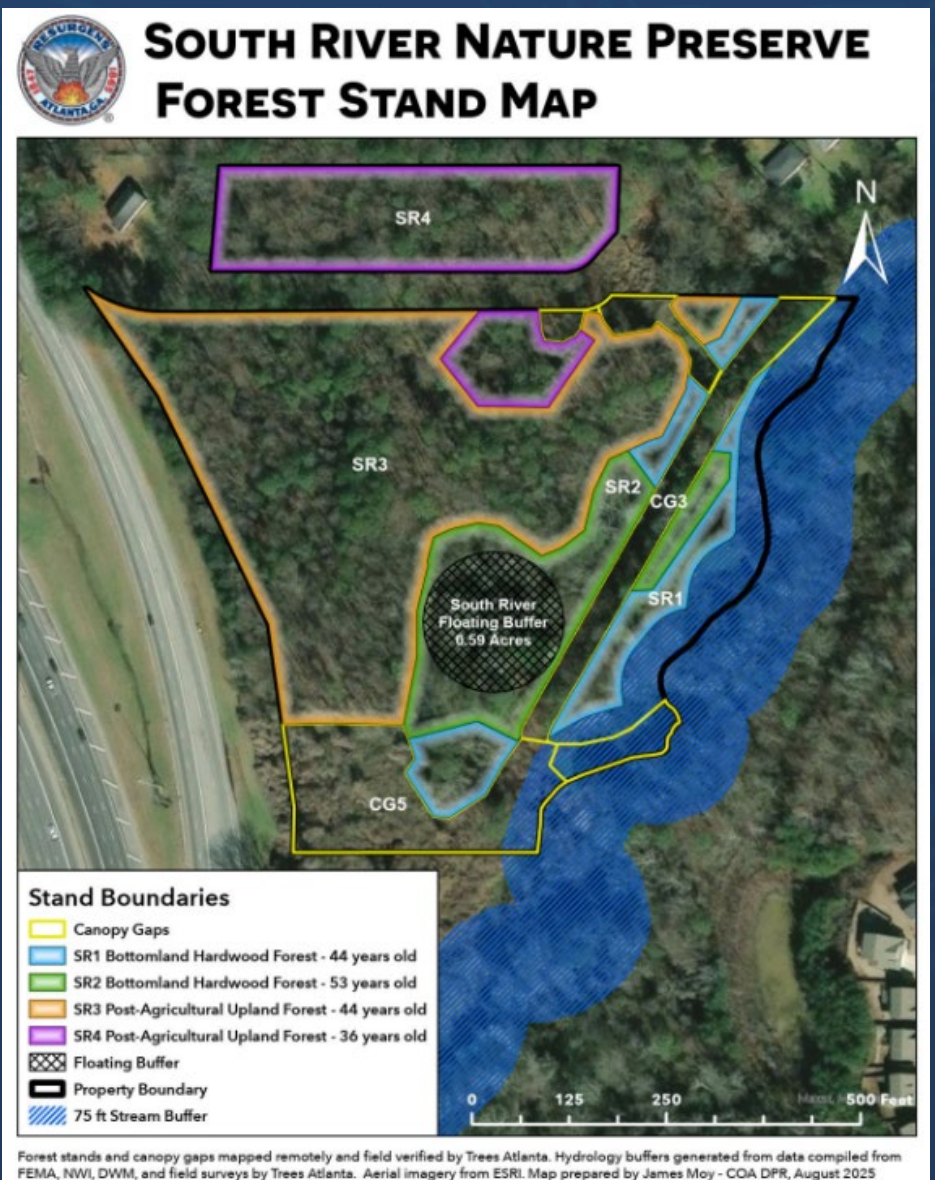


Park Impact
Fees Fund
Purchased
Properties:

Mt. Zion Nature
Preserve



South River
Nature
Preserve

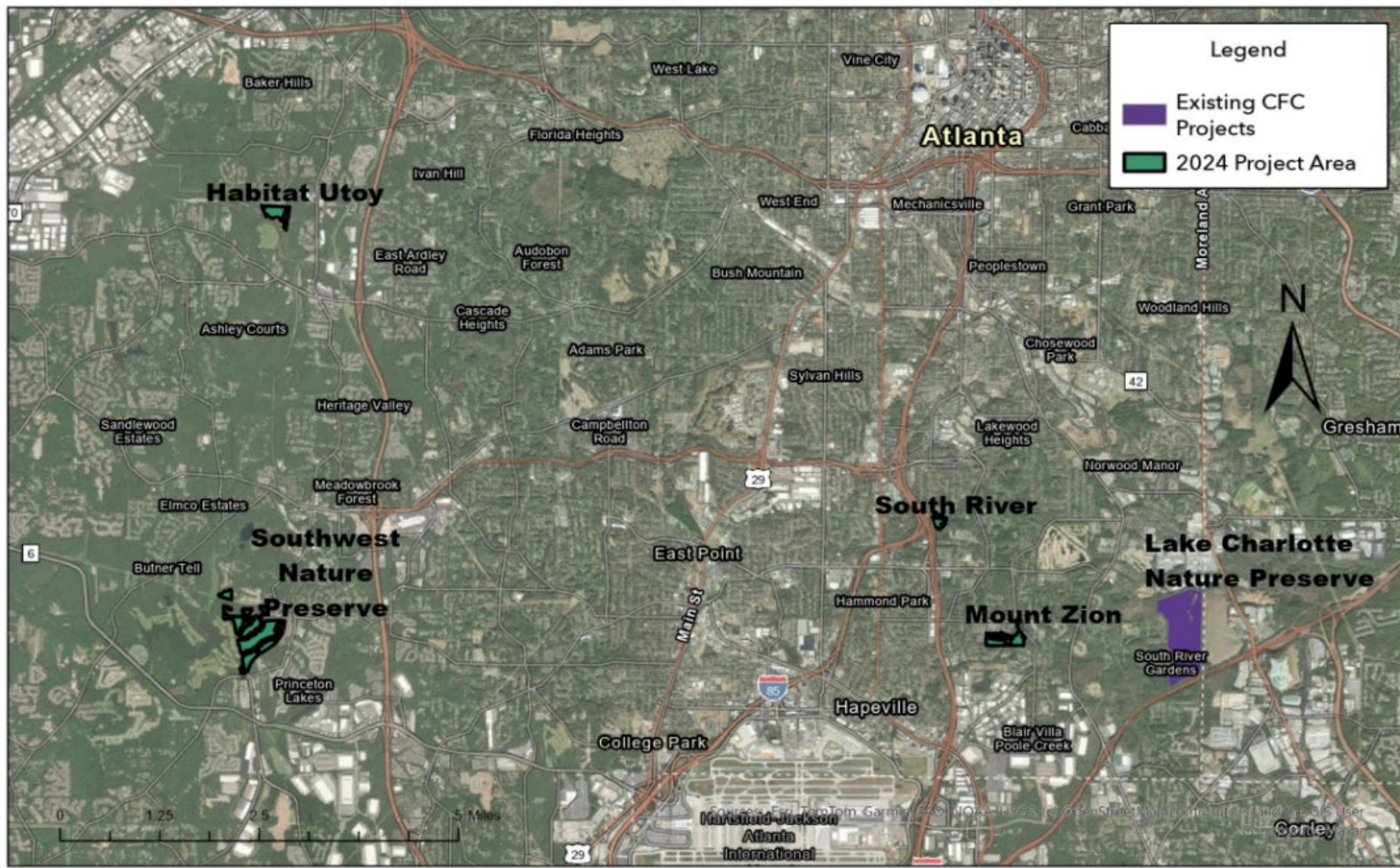






CARBON CREDIT PROGRAM 2024

NO DOUBLE COUNTING MAP



City of Atlanta Carbon Credit Program (2024): Awaiting Verification approx. December 2025

Municipality	Parcel Number	Total Parcel Acreage	Project Area Acreage	Notes <i>Floating buffer acreage to be removed from project area for carbon quantification</i>	Final Project Area Acreage
Atlanta - Southwest Nature Preserve	14F-0041-LL-047-8	60.0	18.6	5.73 acres will be removed from the highest carbon areas	95.27
	14F-0035-LL-071-6	115.1	81.3		
	14F-0034-LL-036-0	3.4	1.1		
Atlanta - Utoy Creek Nature Preserve	14F-0027-LL062	28.5	20.3	2.16 acres will be removed from the highest carbon areas	18.14
Atlanta - Mount Zion Nature Preserve	14-0062-LL0833	35.6	25.0	2.18 acres will be removed from the highest carbon areas	24.42
	14-0062-LL0544	2.1	1.6		
Atlanta - South River Nature Preserve	14-0069-LL0596	8.3	6.2	0.59 acres will be removed from the highest carbon areas	8.41
	14-0069-LL0646	1.8	1.2		
	14-007000040275	1.6	1.6		
	Totals		156.9 acres	10.66 acres	146.24

City of Atlanta Carbon Credit Program (2024)

Projected Impacts and Credits:



Summary numbers from Carbon Quantification Calculator

Project Area (acres)	146.24
Percent tree canopy cover within Project Area	98
Project stock (tCO ₂ e)	31,108
Accounting Stock (tCO ₂ e)	24,886
On-site avoided biomass emissions (tCO ₂ e)	20,571
On-site avoided soil carbon emissions (tCO ₂ e)	8,567
Deduction for displaced biomass emissions (tCO ₂ e)	3,765
Deduction for displaced soil emissions (tCO ₂ e)	2,596
Credits from avoided biomass emissions (tCO ₂ e)	16,807
Credits from avoided soil emissions (tCO ₂ e)	5,971
Total credits from avoided biomass and soil emissions (tCO ₂ e)	22,778
Credits attributed to the project (tCO ₂ e), excluding future growth	22,778
Contribution to Registry Reversal Pool Account	2,278
Total credits to be issued to the Project Operator (tCO₂e) <i>(excluding future growth)</i>	20,500

Ecosystem Services	Resource Units	Value
Rainfall Interception (m3/yr)	25,979.3	\$67,951.14
Air Quality (t/yr)	3.8874	\$9,033.28
Cooling – Electricity (kWh/yr)	200,495	\$15,217.57
Heating – Natural Gas (kBtu/yr)	94,017	\$976.87
Grand Total (\$/yr)		\$93,178.87

Co-benefits were quantified using CFC's Co-Benefits Quantification Calculator. These ecosystem services represent values in avoided costs of \$93,178.87 annually and \$3,727,154.93 over 40 years.



**MAYOR'S OFFICE OF
Sustainability
and Resilience**

SOLAR ATLANTA Program

41 Sites Energized!



MAYOR'S OFFICE OF
Sustainability
and Resilience



M.L. King, Jr. Recreation and Aquatic Center

M.L. King, Jr. Recreation and Aquatic Center



25 Courts

Electricity use for one year



21 Homes

Electricity use per year



11 Million

Smartphone charges annually



Selling Environmental Attributes (Carbon Credits & Renewable Energy Credits)



- ❖ **Currently working with Sustainable Capital Advisors and the City's Department of Procurement to sell Carbon Credits, creating a model for other Environmental Attributes.**
 - **Selling these credits will generate revenue for municipal sustainability programs, community-directed projects, and forest stewardship and maintenance.**





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**Sustainability
and Resilience**

Thank you!

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