

greenlink

- A clean energy research and advisory organization based in Atlanta, Georgia
- Led by Ph.D economists, engineers, and policy experts.
- Over 20 years combined experience in energy and climate policy
- Over 125 publications on the subjects of energy, climate, and city sustainability
- Industry-leading data tools and analytics
- Active as advisors and data providers in 75 cities, about 20 states, and the national labs



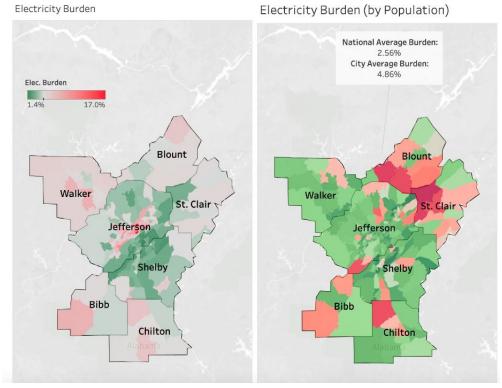




Energy Burden as an Intersectional Issue

Utility burden

- % of household income spent on utilities electricity, gas, water
- Data access and resolution are key challenges



Birmingham, AL



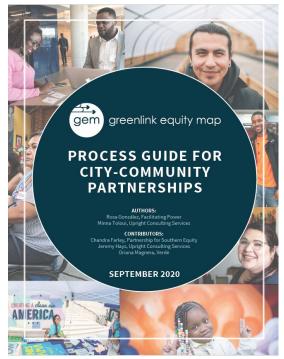


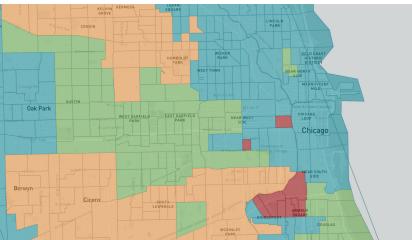
General Approaches and Tools

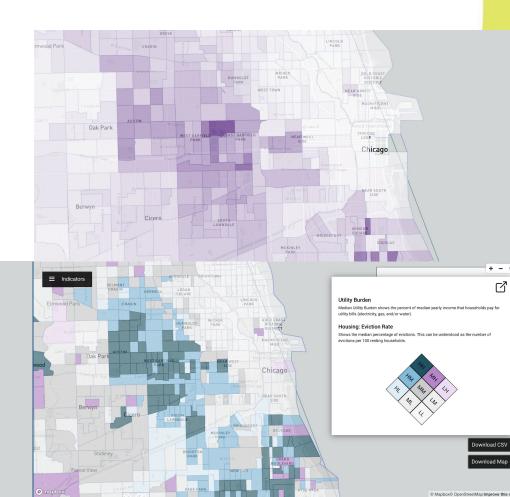
- Collaborative, Community-Focused Data Analysis
 - Understand the baseline
 - Discuss and embed values into policy
 - Assess potential opportunities and projected results
 - · Implement, Deliver, and Evaluate
- Tools
 - GEM and GEM Process Guide
 - · ACES
 - Clean Energy Policy Toolkit



Where are we? What should we do?







How far can we go?



This tool allows you to design 100% renewable energy pathways in the City of Orlando. It covers all sectors of the Orlando economy, including the residential, commercial, transportation and power utility sectors. The tool is powered by The Greenlink Group's ATHENIA model, which is translating clean energy actions into energy, carbon, economic, and social impacts for Orlando.

You can create your own low-carbon vision for Orlando by inputting the values in the ACTION cells. After entering your target values, your report card will give a deeper breakdown of the impacts.

Actions and Impacts

Residential Energy Efficiency	,	Commercial Energy Efficien	су
	ACTION		ACTION
Residential Potential Achieved	100%	Commercial Potential Achieved	100%
	IMPACT		IMPACT
# of homes cutting electricity by half	162,859	kWh-saved per sqft	23.1

Residential Solar Power	ACTION	Commercial Solar Power	ACTION	
Residential Solar Potential Achieved	100%	Commercial Solar Potential Achieved	100%	
	IMPACT		IMPACT	
Homes adding solar	18,600	Buildings adding solar	35,521	
Utility Scale PV		ACTION		
Utility Scale PV Potential			1009	
		IMPACT		
Number of homes powered by greensp	ace solar		122,800	

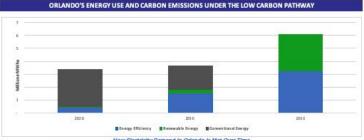
Electric Vehicles Adoption	
Ele	ectric Vehicle
	ACTION
EV Potential Achived	100%
	IMPACT
# of Electric Vehicles in Orlando	442,373

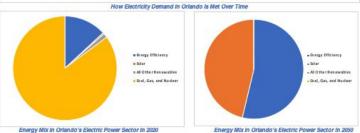


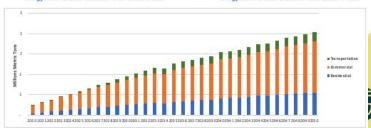


Powered by greenlink





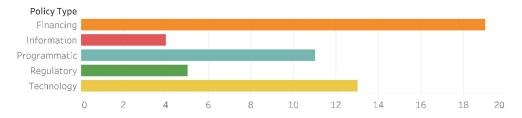


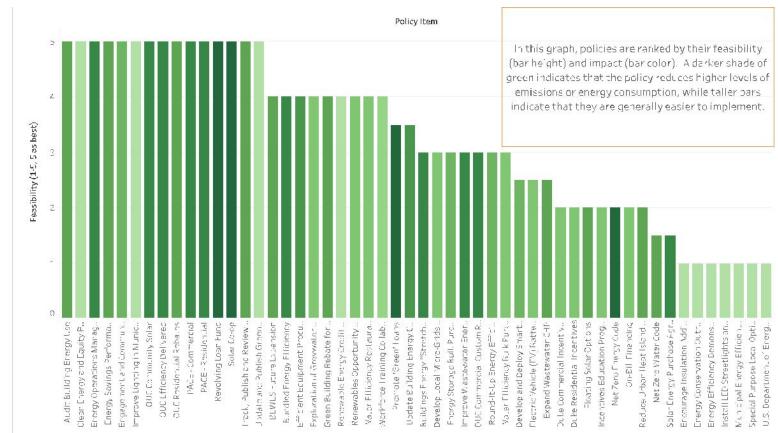


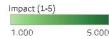
greenlink

How do we get there?

Strategy Count







Put in Action: Atlanta and Honolulu

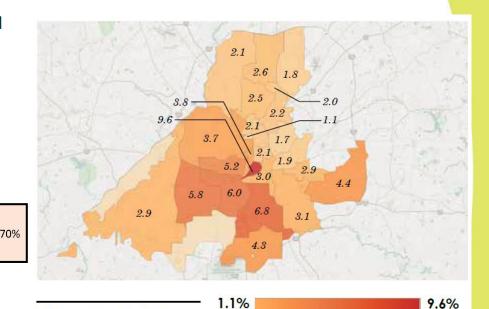
Priorities -

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

30310, 303	11, 30314 Str	ucture Age ar	nd Occupancy		
Date of Construction	# Owned	# Rented	Total Units	%	
not available	10	25	35	0%	
1840 - 1939	2,119	2,984	5,103	24%	*
1940 -1949	1,816	2,068	3,884	18%	*
1950 - 1959	3,378	2,663	6,041	28%	*
1960 - 1969	1,652	832	2,484	12%	
1970 -1979	662	326	988	5%	
1980 - 1989	354	225	579	3%	
1990 -1999	497	176	673	3%	
2000 - 2009	772	930	1,702	8%	
Total	11,260	10,229	21,489	100%	



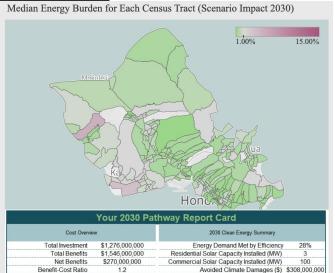
Atlanta Residential Electricity Burden By ZIP Code

Metric Tons CO2 Avoided 5,174,000

Median Energy Burden for Each Census Tract (BAU 2030)



Υ	our 2030 F	athway Report Card	
Cost Overview		2030 Clean Energy Summary	
Total Investment	\$0	Energy Demand Met by Efficiency	0%
Total Benefit	\$0	Residential Solar Capacity Installed (MW)	0
Net Benefits (\$M)	\$0	Commercial Solar Capacity Installed (MW)	0
Benefit-Cost Ratio	0.0	Avoided Climate Damages (\$)	\$0
Net Jobs Created	0	Metric Tons CO2 Avoided Through 2030	0



Net Jobs Created



