

# Motivators & Tools of Community Climate Action

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January 17, 2024





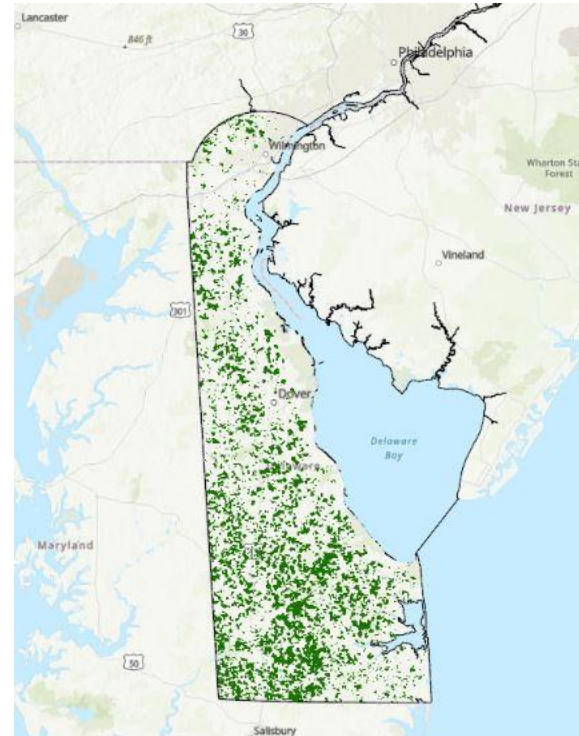
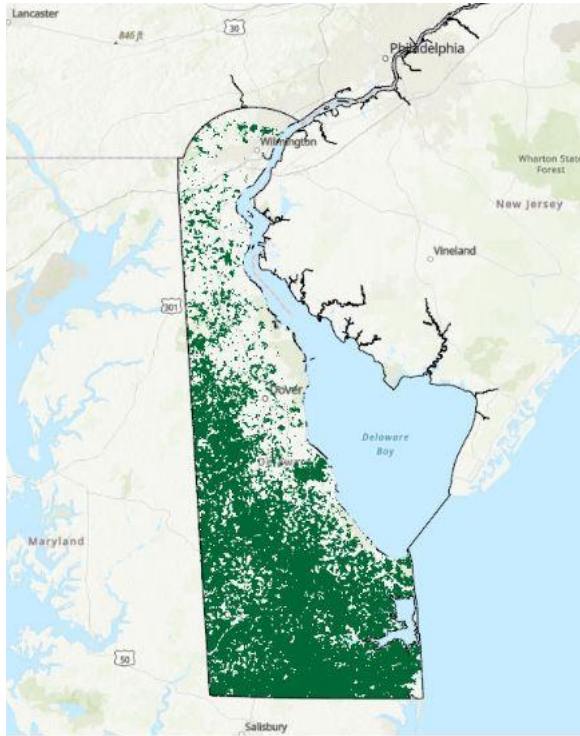
## About ACEEE:

The American Council for an Energy-Efficient Economy (ACEEE), is a nonprofit research organization that develops policies to reduce energy waste and combat climate change. Its independent analysis advances investments, programs, and behaviors that use energy more effectively and help build an equitable clean energy future.

*Learn more at [aceee.org](https://www.aceee.org)*

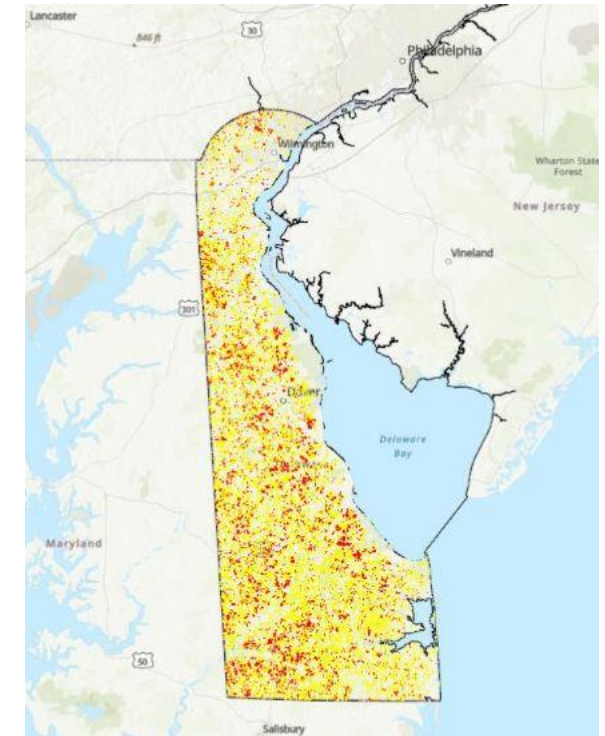
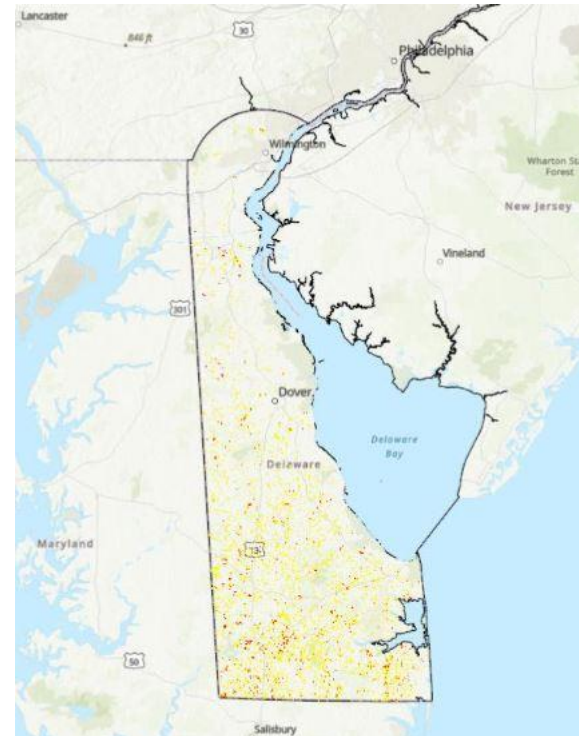


# Delaware is an Increasingly Urban State



**Changes in Healthy Vegetation**

2003 vs 2018



**Changes in Developed Land**

2003 vs 2018



# Urban Climate Motivators

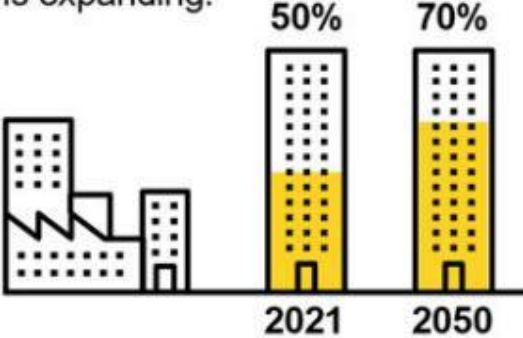
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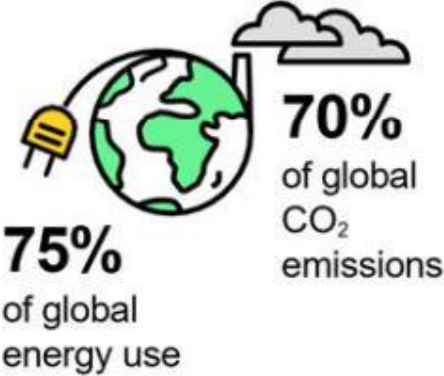
# Urban Areas are Key Drivers of Greenhouse Gas Emissions

## Key facts

The percentage of the global population living in cities is expanding.



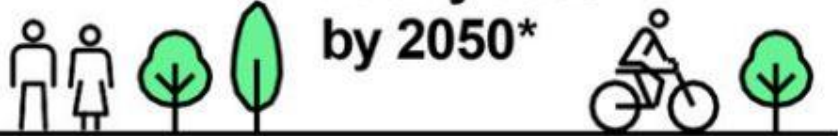
Cities account for:



But they also constitute a global economic engine and **key opportunity** for progress towards climate goals



Taking action in cities could reduce emissions by **nearly 90% by 2050\***

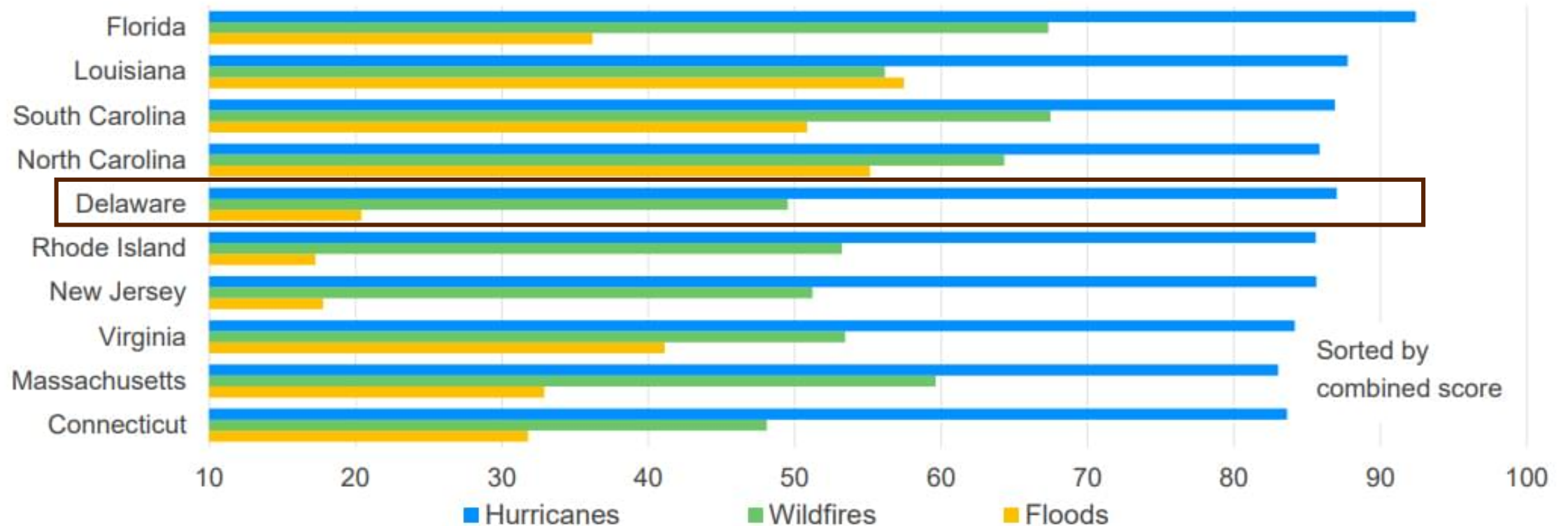


**To reach net-zero emissions by 2050 clean energy investment will need to triple in the next ten years**

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# States Facing the Greatest Acute Physical Risk Threats from Climate Change

Percentile for various hazard types, highest acute physical risk scores among 100 most populous areas

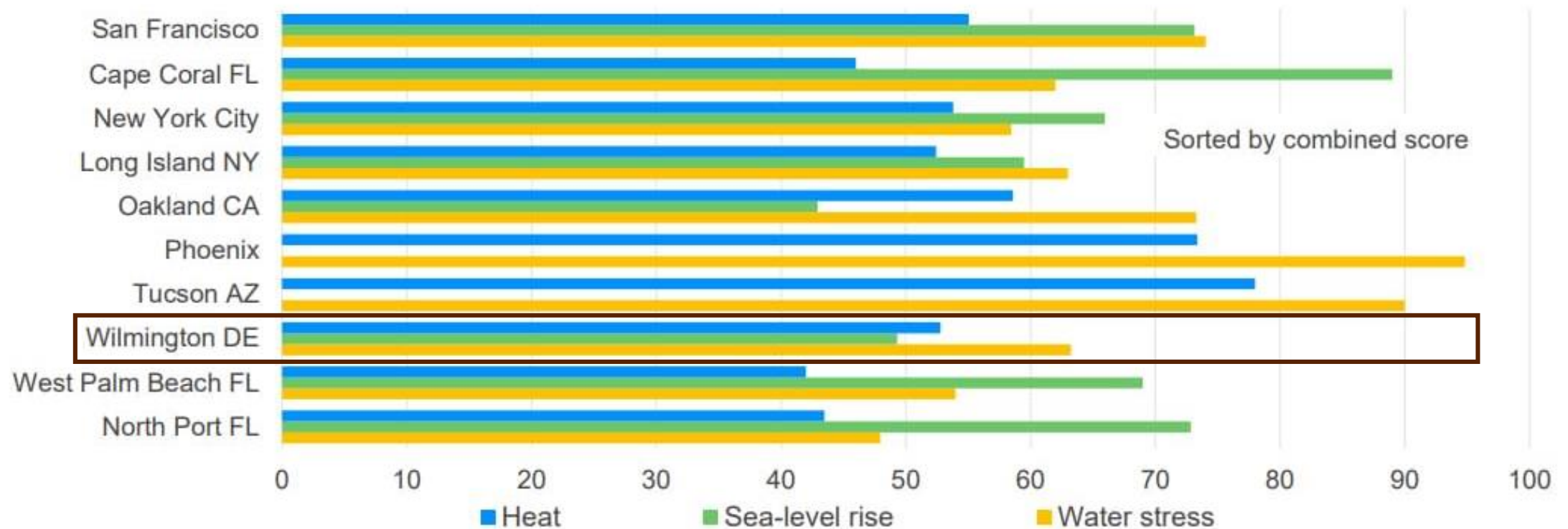


Source: Moody's Analytics



# Cities Facing the Greatest Chronic Physical Risk Threats from Climate Change

Percentile for various hazard types, highest chronic physical risk scores among 100 most populous areas



Source: Moody's Analytics

# Clean Energy Creates Jobs

## KEY FINDINGS

**3.3M**  
AMERICANS  
WORKED IN CLEAN  
ENERGY IN 2022

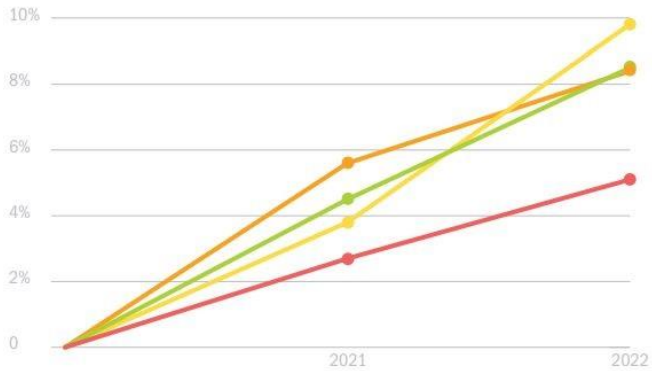
**43%**  
OF NEW JOBS  
IN ENERGY  
SECTOR WERE IN  
CLEAN ENERGY

**1 in 30**  
NET NEW JOBS  
NATIONWIDE WERE  
IN CLEAN ENERGY

**1.6M**  
CONSTRUCTION  
JOBS SUPPORTED  
BY CLEAN ENERGY

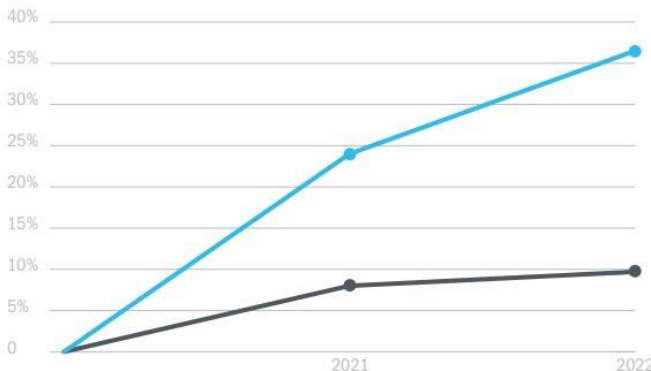
**53%**  
CLEAN ENERGY  
ADDED JOBS 53%  
FASTER THAN REST  
OF U.S. ECONOMY

// U.S. ENERGY EMPLOYMENT by clean energy sector growth 2020–2022



2020	2021	2022
<b>Energy Efficiency</b>		
2,107,174	2,164,914 (+2.7%)	2,215,432 (+5.1%)
<b>Renewable Energy</b>		
492,891	515,248 (+4.5%)	534,603 (+8.5%)
<b>Storage / Grid</b>		
137,872	143,052 (+3.8%)	151,412 (+9.8%)
<b>Biofuels</b>		
37,036	39,096 (+5.6%)	40,148 (+8.4%)

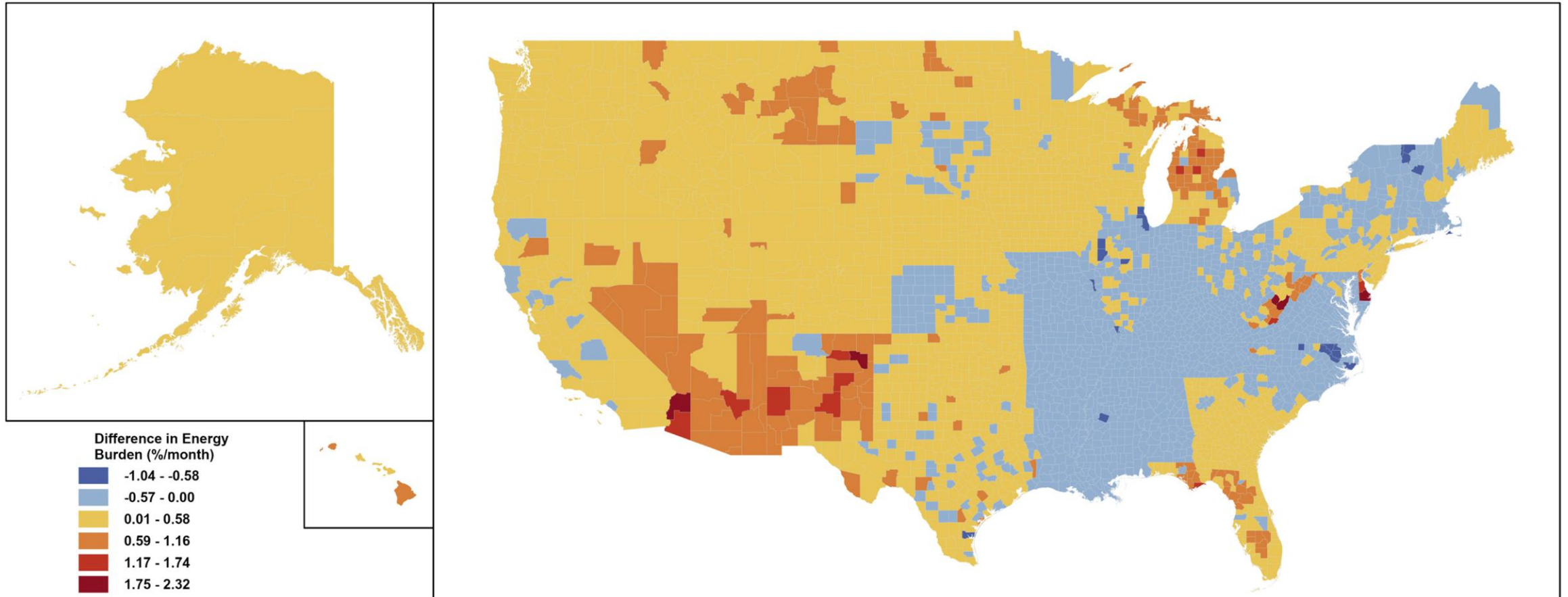
// U.S. ENERGY EMPLOYMENT by vehicle sector growth 2020–2022



2020	2021	2022
<b>Clean Vehicles</b>		
273,630	339,291 (+24.0%)	373,604 (+36.5%)
<b>Gas &amp; Diesel Vehicles</b>		
1,836,018	1,983,055 (+8.0%)	2,014,071 (+9.7%)

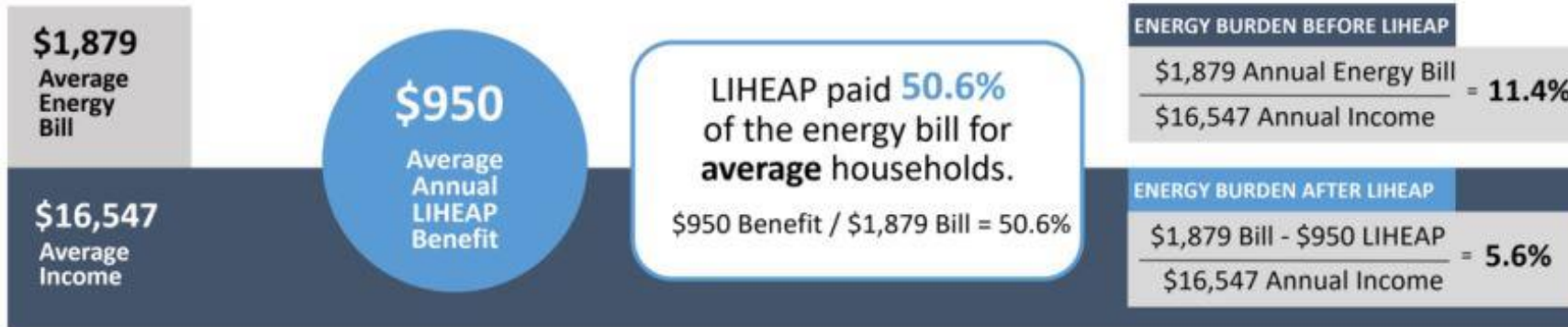


# Delaware Energy Burdens are Increasing

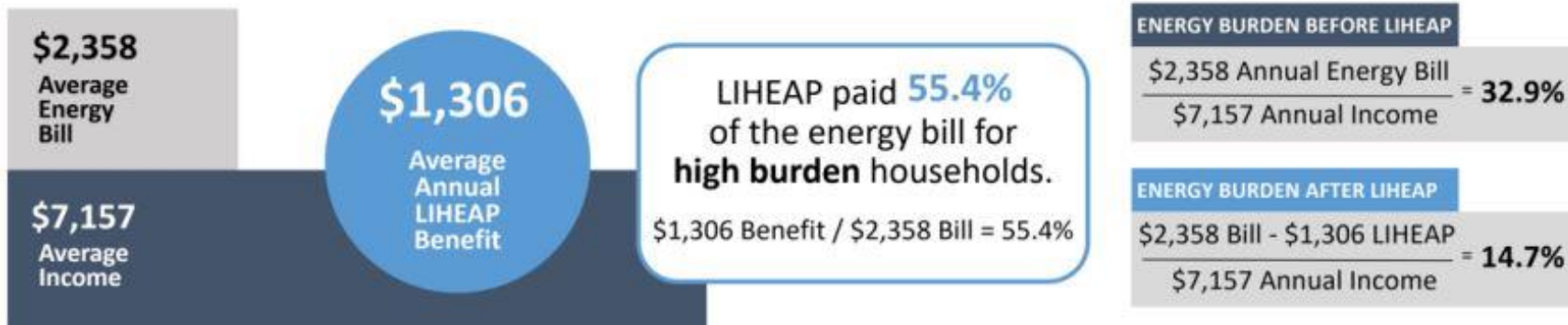


In FY 2021, Delaware furnished LIHEAP bill payment assistance to 9,652 households. They collected energy burden data for 4,878 households (51%).

### All Households



### High Burden Households





# Urban Climate Opportunities

ACEEE



## Modes of urban energy and climate governance

**Municipal enabling**  
(Stakeholder cooperation,  
public-private partner, etc.)



**Municipal self-governing**  
(Strategic investments  
in municipal assets., etc.)

**Governing through provision**  
(Services and financial resource, etc.)

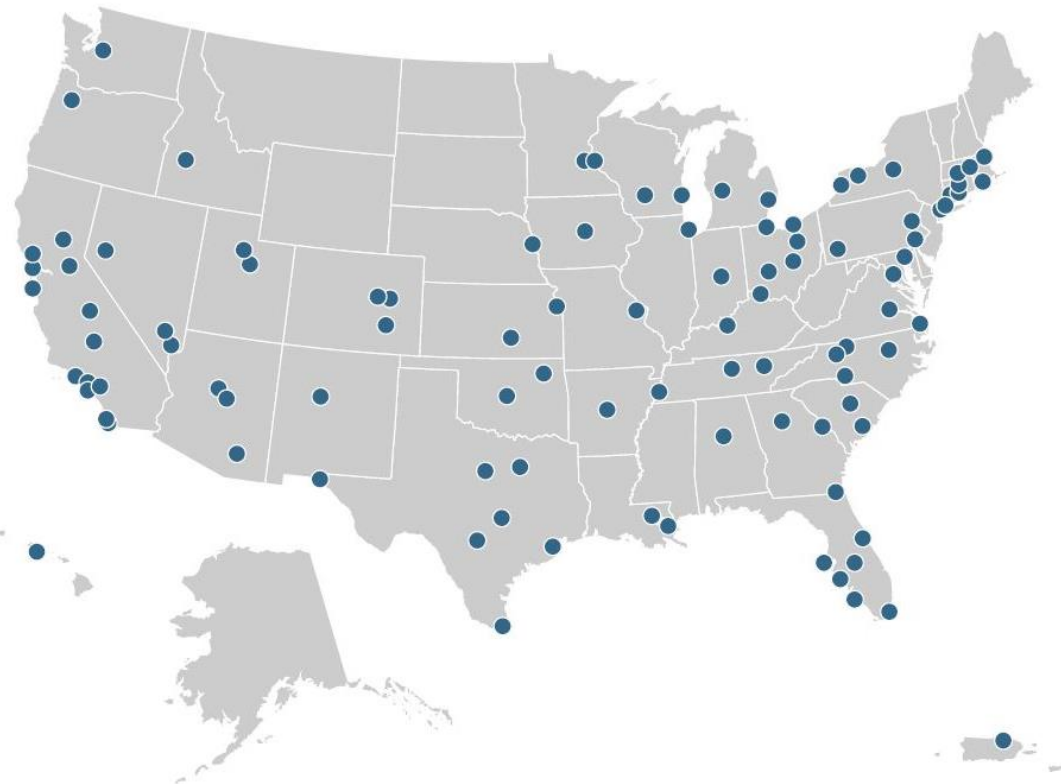


**Regulation & planning**  
(Standards, buiding codes,  
zoning, pricing, ordinances, etc.)

**COHERENT POLICY MIX FRAMEWORK TO ACCELERATE CLIMATE ACTIONS**



# Overview of *The City Clean Energy Scorecard*



## THE 2021 City Clean Energy SCORECARD

*Stefen Samarripas, Kate Tanabe, Amanda Dewey, Alexander Jarrah, Ben Jennings, Ariel Drehobl, Hannah Bastian, Shrutti Vaidyanathan, Diana Morales, Amy Patronella, Sagarika Subramanian, and Carolin Tolentino*

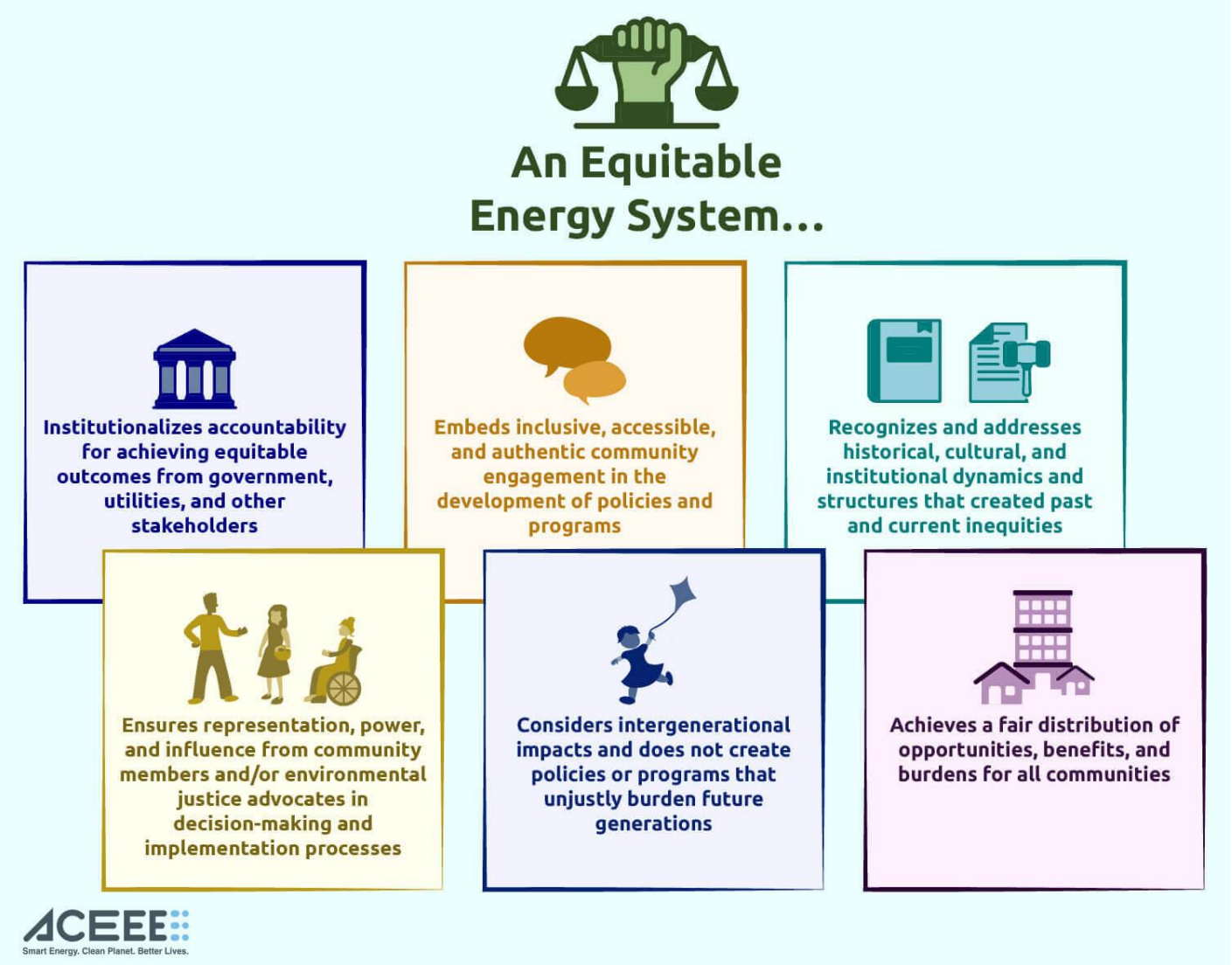
December 2021 | Report U2107

**ACEEE**  
American Council for an Energy-Efficient Economy

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Available for download at: <https://www.aceee.org/local-policy/city-scorecard>

# Initiatives that Address Energy Equity





# Contact

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