



Join us for a lunch & learn webinar...

POWERING COMMUNITIES

through

COVID-19

September 11 | Noon Eastern



VOTE SOLAR



**CATALYST
MIAMI**

THE CLEO
INSTITUTE

IT'S TIME FOR A CLIMATE CHANGE OF MIND



CATALYST
MIAMI



Olivia Nedd
Policy Director, Access & Equity Program



VOTE SOLAR

Intro for audience: Who are you?

- » **Name**
- » **Organization**
- » **Where you're zooming in from**



NONPROFIT

NONPARTISAN

EDUCATIONAL



Salome Garcia

**Policy and
Campaigns
Manager**

**The CLEO
Institute**



SCIENCE

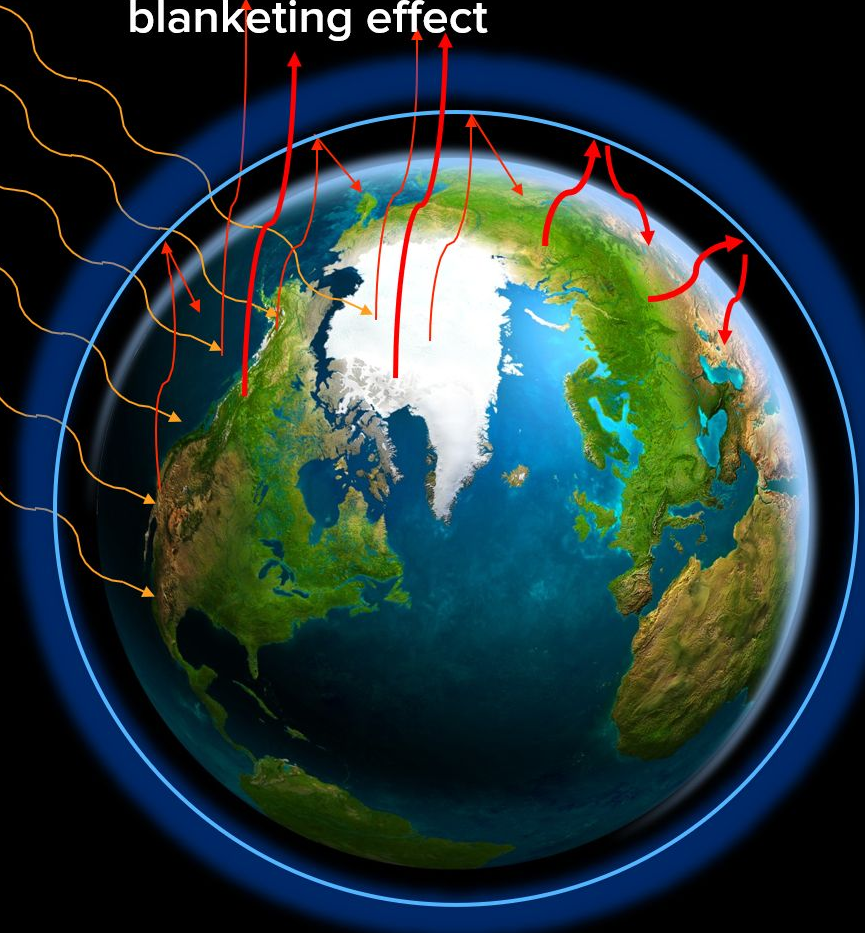
Greenhouse Gas Effect

Incoming energy, mostly in the form of light, enters the atmosphere and is absorbed by the Earth



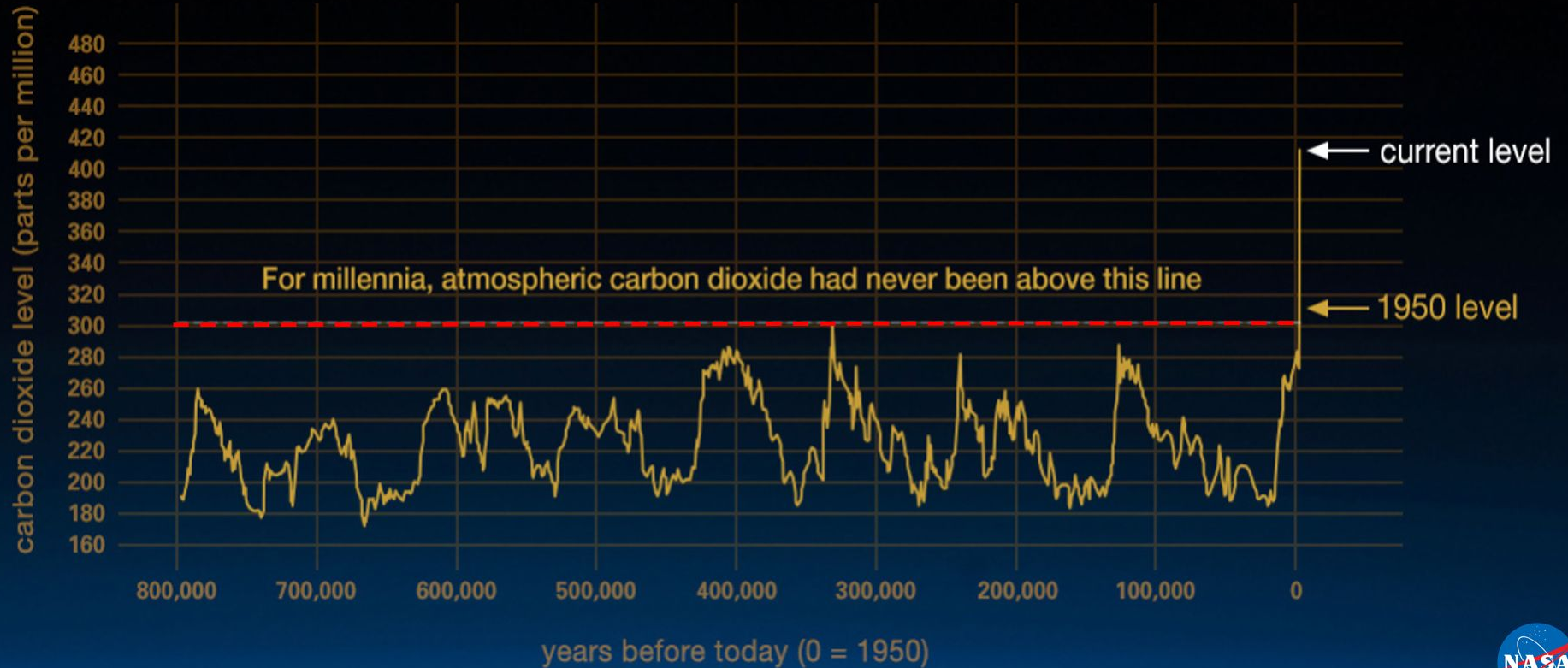
Outgoing energy, mostly in the form of heat or infrared waves, is trapped by Greenhouse Gases

GHG's absorb Earth's **outgoing heat** and radiate it back, creating a blanketing effect



Carbon Dioxide Levels

May 2020: 414ppm

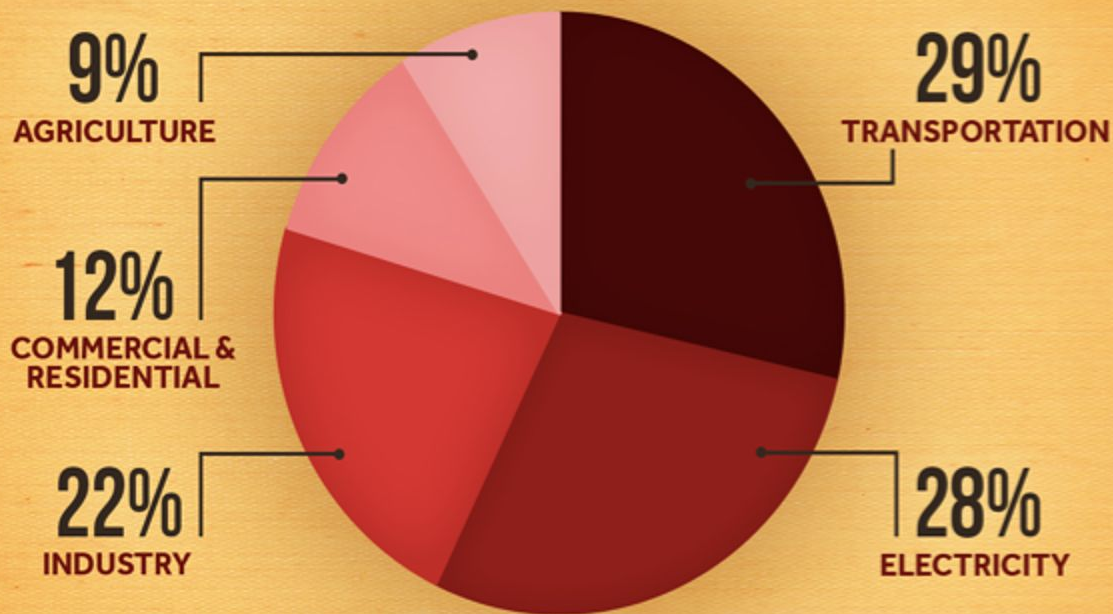


Credit: Vostok ice core records for carbon dioxide concentration and temperature change

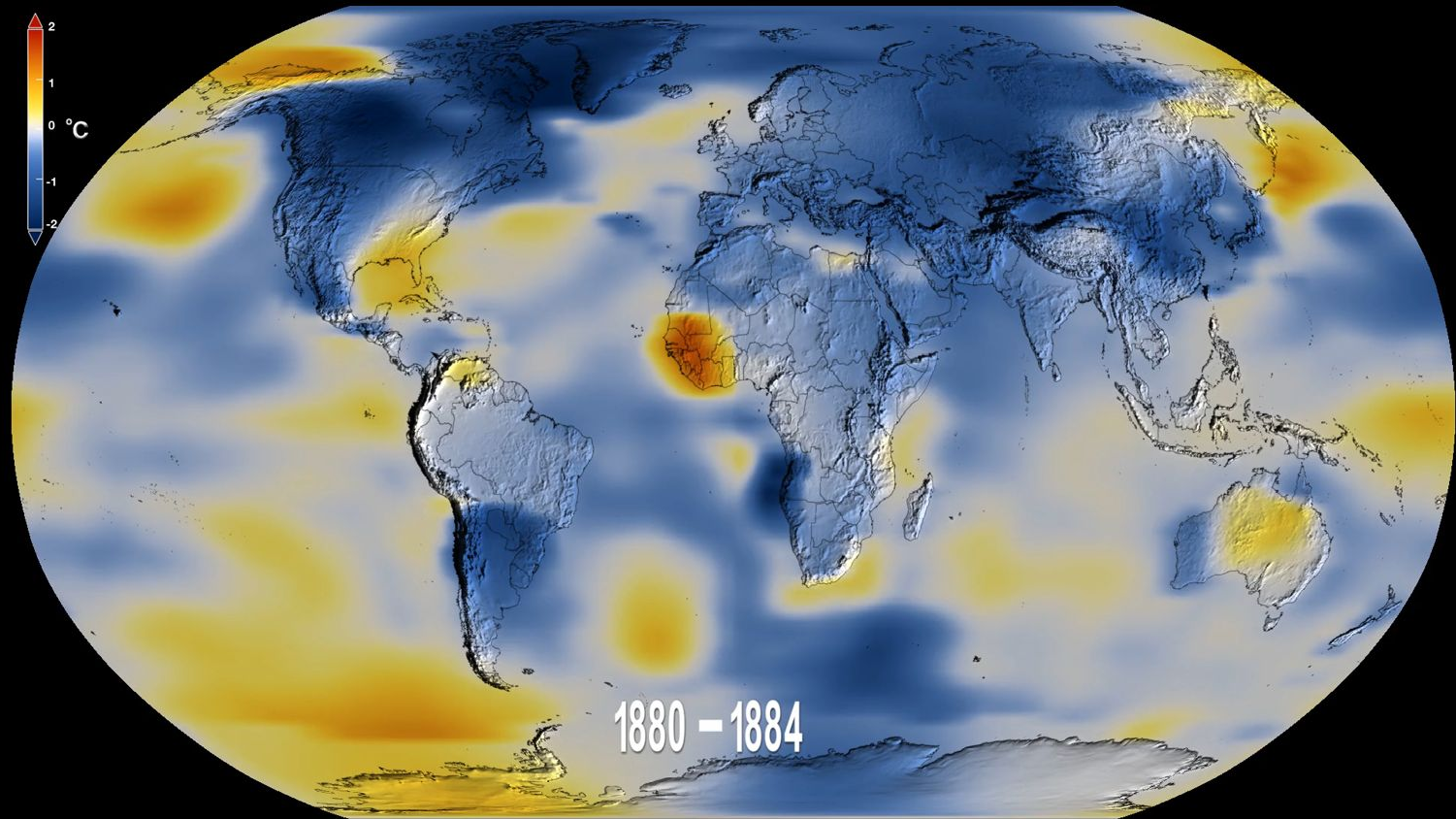
Human activities
are responsible for
almost all of the
**increase in
greenhouse
gases**
in the atmosphere
over the last 150
years.¹
IPCC

GREENHOUSE GAS SOURCES

UNITED STATES EMISSIONS BY SECTOR



Source: U.S. EPA 2017 (released 2019)



EARTH IS GETTING **HOTTER**

The last 5 years have been the **hottest on record.**



IMPACTS

Sea Level Rise in FL

Main Drivers: Thermal Expansion & Land Ice Melt

By 2050

2+ feet of sea level rise

By 2100

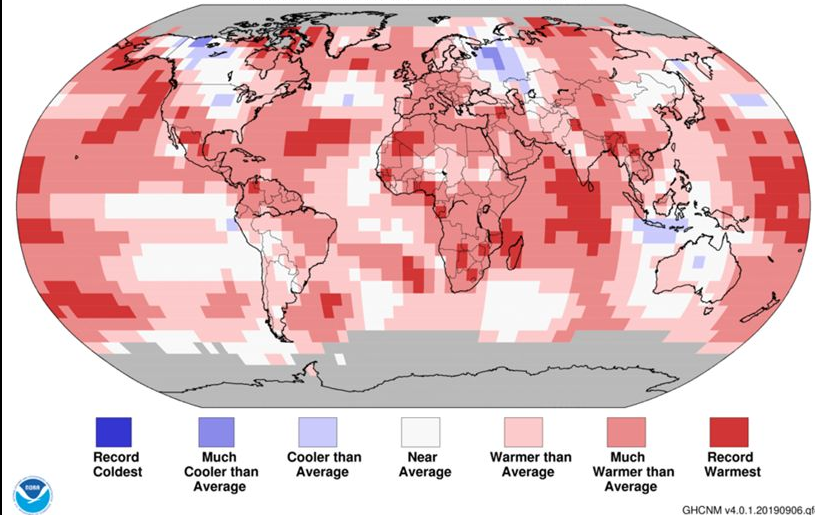
A rise of as much or more than 8-10 feet cannot be ruled out.¹



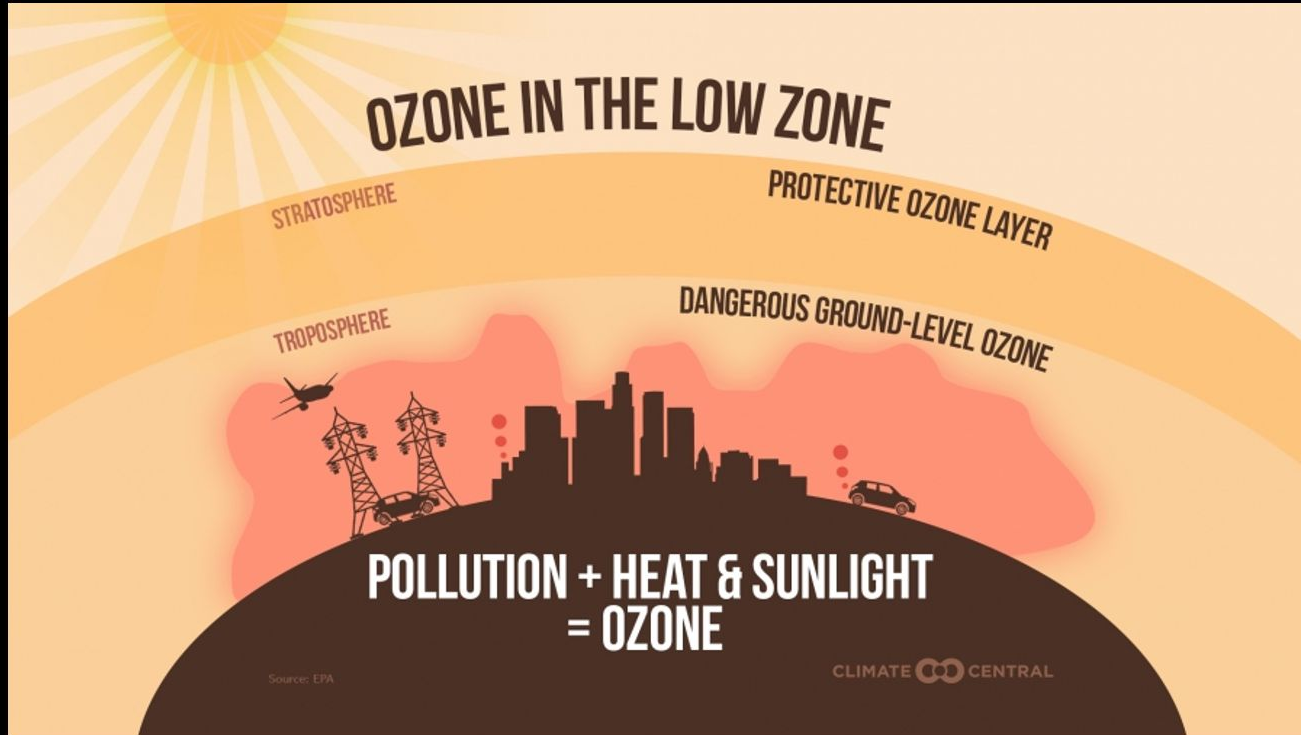
Land & Ocean Temperature Percentiles Aug 2019

NOAA's National Centers for Environmental Information

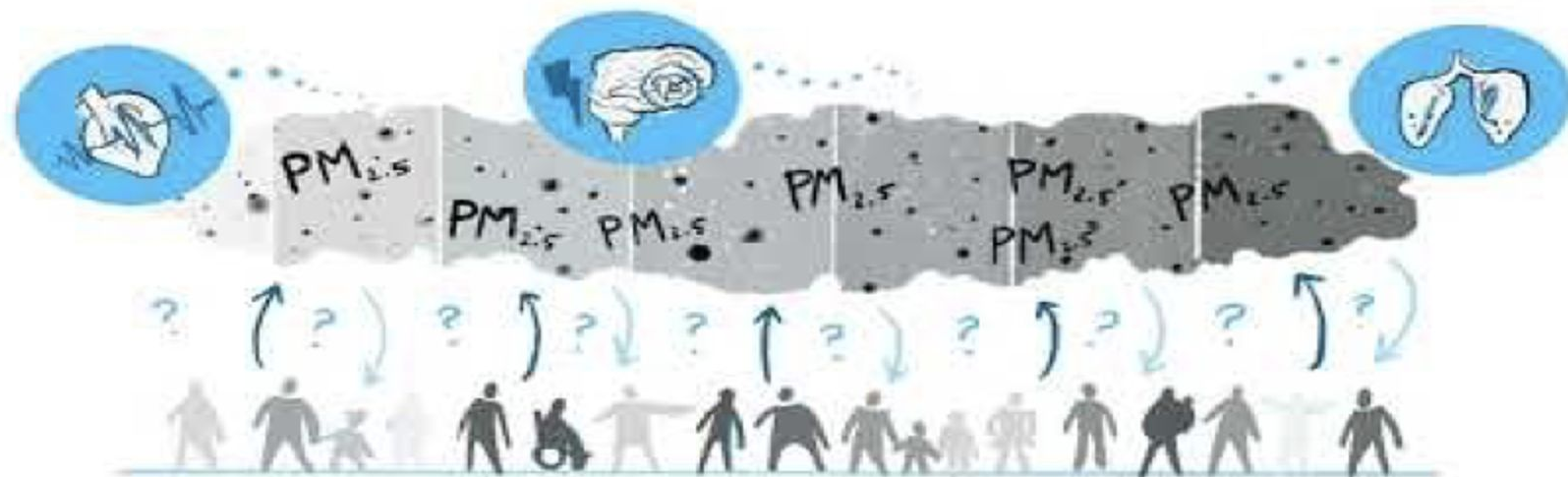
Data Source: NOAAGlobalTemp v5.0.0-20190908



Decrease in Air Quality



Minorities Bare Disproportionate Burden From Air Pollution



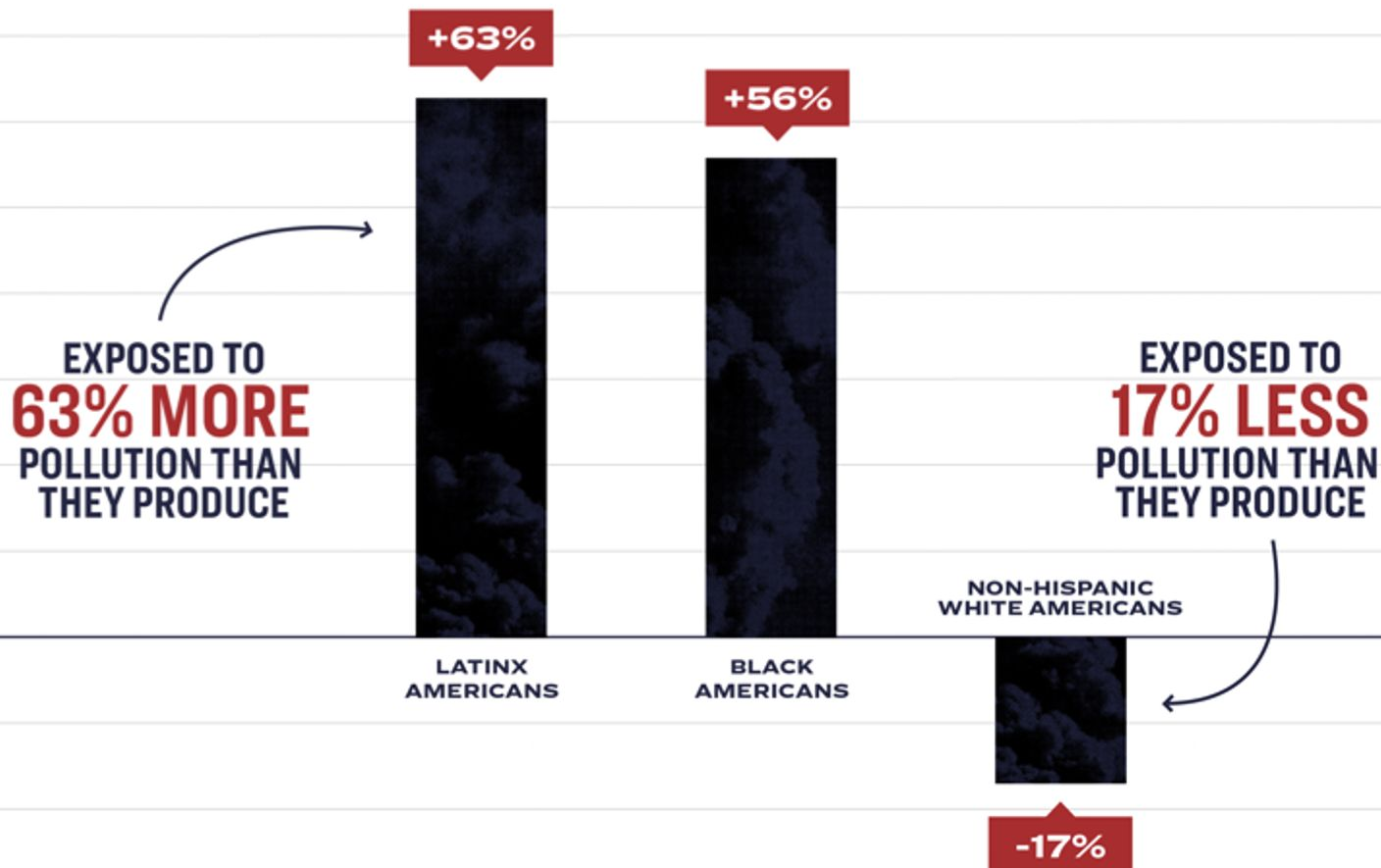
AIR QUALITY

CONTRIBUTION

&

EXPOSURE

ENVIRONMENTAL RACISM

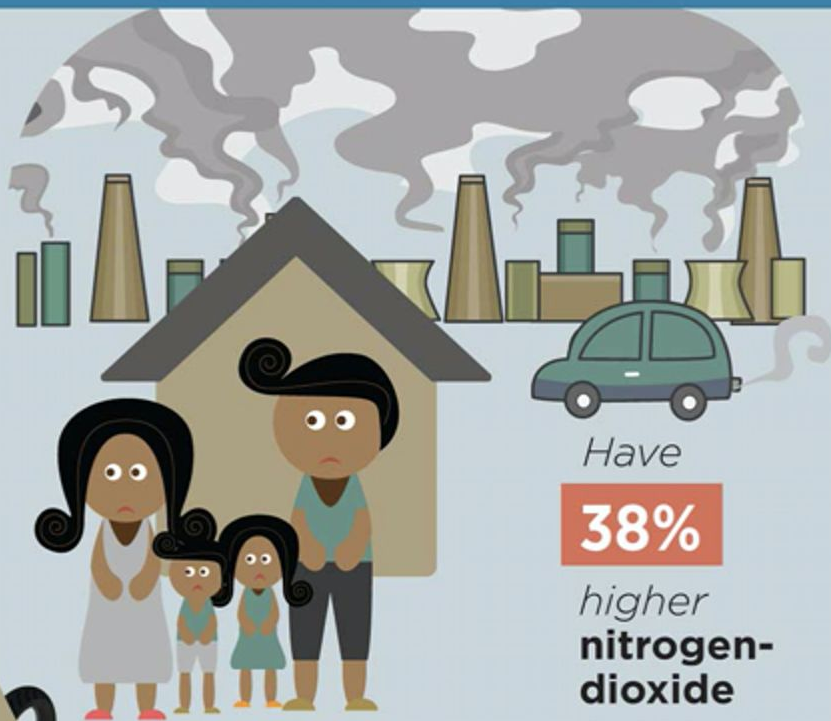


Environmental Racism Is Nothing New

Race is the most significant predictor of a person living near contaminated air, water, or soil.

56%

*of the population near **toxic waste** sites are people of color.*



People of color:

Have seen

95%

*of their claims against polluters **denied by the EPA.***

Have

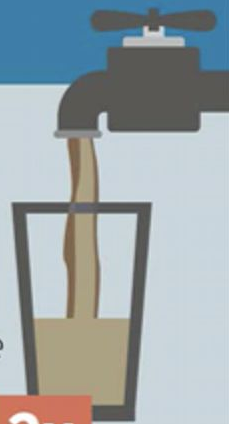
38%

*higher **nitrogen-dioxide** exposure.*

Are

2x

*more likely to live without **potable water** and **modern sanitation.***



Heat & Justice

How are marginalized communities **feeling the heat?**

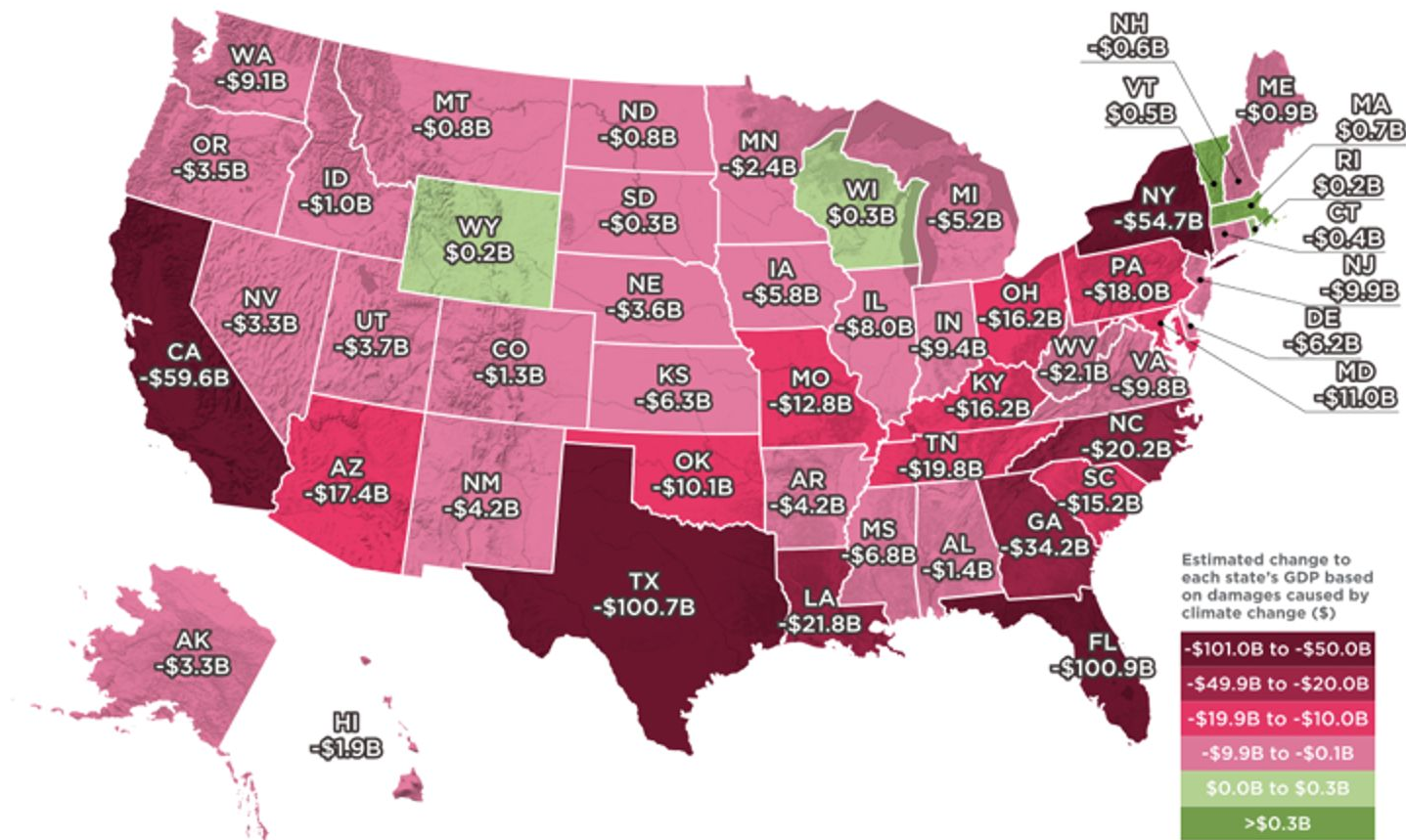
Housing: US Dept HUD (Housing and Urban Development) does not require A/C units in affordable housing.

Transportation: Many people rely on public transportation, walking, and biking.



The Economic Damage from Climate Change in the United States

Estimated Change to Each State's GDP (\$)



Article & Sources:

<https://howmuch.net/articles/the-economic-damage-from-climate-change-in-the-united-states>

<http://science.sciencemag.org/content/356/6345/1362>

<http://www.governing.com>

MENTAL HEALTH

- Anxiety
- Depression
- PTSD
- Aggression & Violence
- Crime
- Suicide
- Domestic Violence



ENERGY

ENERGY BURDEN: WHAT IT IS AND HOW RENEWABLES CAN HELP



[Extreme Heat Days for Floridians](#)

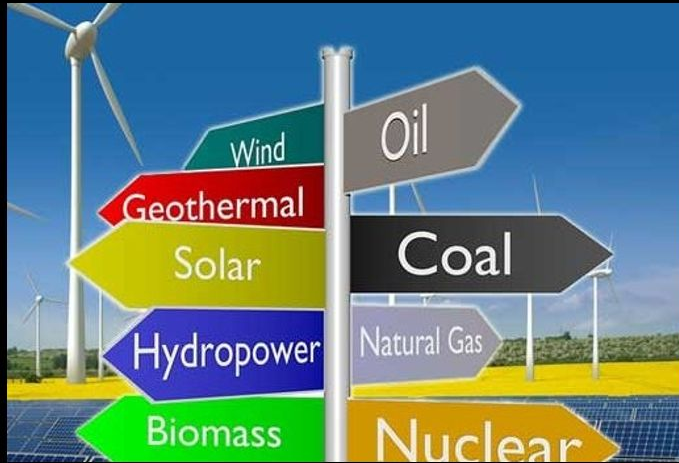
Defining what is and isn't affordable when it comes to energy is tricky, but this much is clear: **low-income families are suffering disproportionately under the current energy landscape.**

Energy shut-offs statewide
Importance of Energy
Freedom

Energy Freedom

Where do Floridians get their energy from?

Who is our energy coming from?



WHAT CAN YOU DO IN YOUR COMMUNITY?

- Talk about it (**Your Voice**).
- Stay responsibly informed.
- Set up a virtual **Climate Workshop** for your family, friends, community.
- Stay civically engaged at all levels.
- Consume sustainably and mindfully.
- Support climate-conscious businesses.

Your Voice
Your Wallet
Your Vote
Your SUPERPOWER



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MELTING FLORIDA



VoLo Foundation

Union of
Concerned Scientists



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LAUNCH DAY


Installations will be staggered;

- Miami (9/9)
- Tampa (9/16)
- Orlando (9/23)

Following the statues we will host an educational webinars & town halls:

- Killer Heat: The Urgency Of Rising Temperatures with UCS (9/10)
- Town Hall with NBC6: The Financial & Health Impacts Of Heat On Our Underserved Communities (9/11)
- Climate Crisis Impacts in Florida with Chief Meteorologist John Morales (9/17)
- Surviving Florida Summers: Heat Stress on Outdoor Workers (9/24)





"Hey, it's reality. It's a crisis. Pay attention."

A SPECIAL PARTNERSHIP

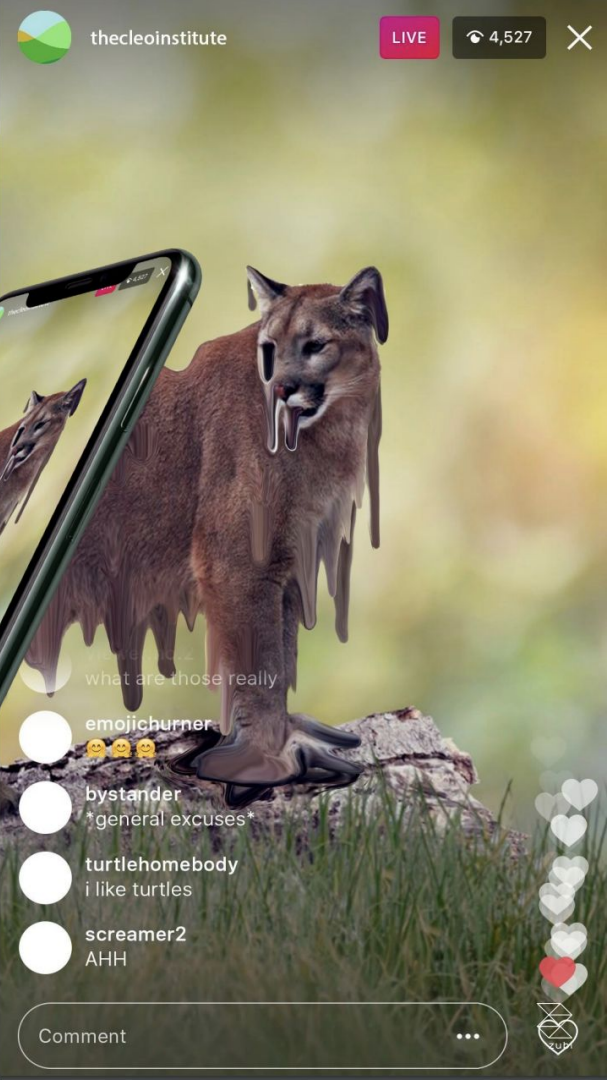
We would like to invite you to help amplify this campaign in order to make the climate crisis a top priority for Floridians. We will be providing you with a social media tool kit that will contain messaging, hashtags, and links to the videos of the statues melting, with the call to action to learn more about heat, and sign the Florida Climate Pledge. All digital content will be for Instagram, Facebook, and Twitter.

What we need from you:

- The point of contact that handles your social media (if it's not you)
- How far in advance do you need the digital content?

Please email this information to Natalia at nortiz@cleoinstitute.org

[Union of
Concerned Scientists]



Comment



Protecting Ratepayers through the COVID crisis:



Tyler Fitch
Regulatory Manager, Southeast



Olivia Nedd
Policy Director, Access & Equity Program



VOTE SOLAR

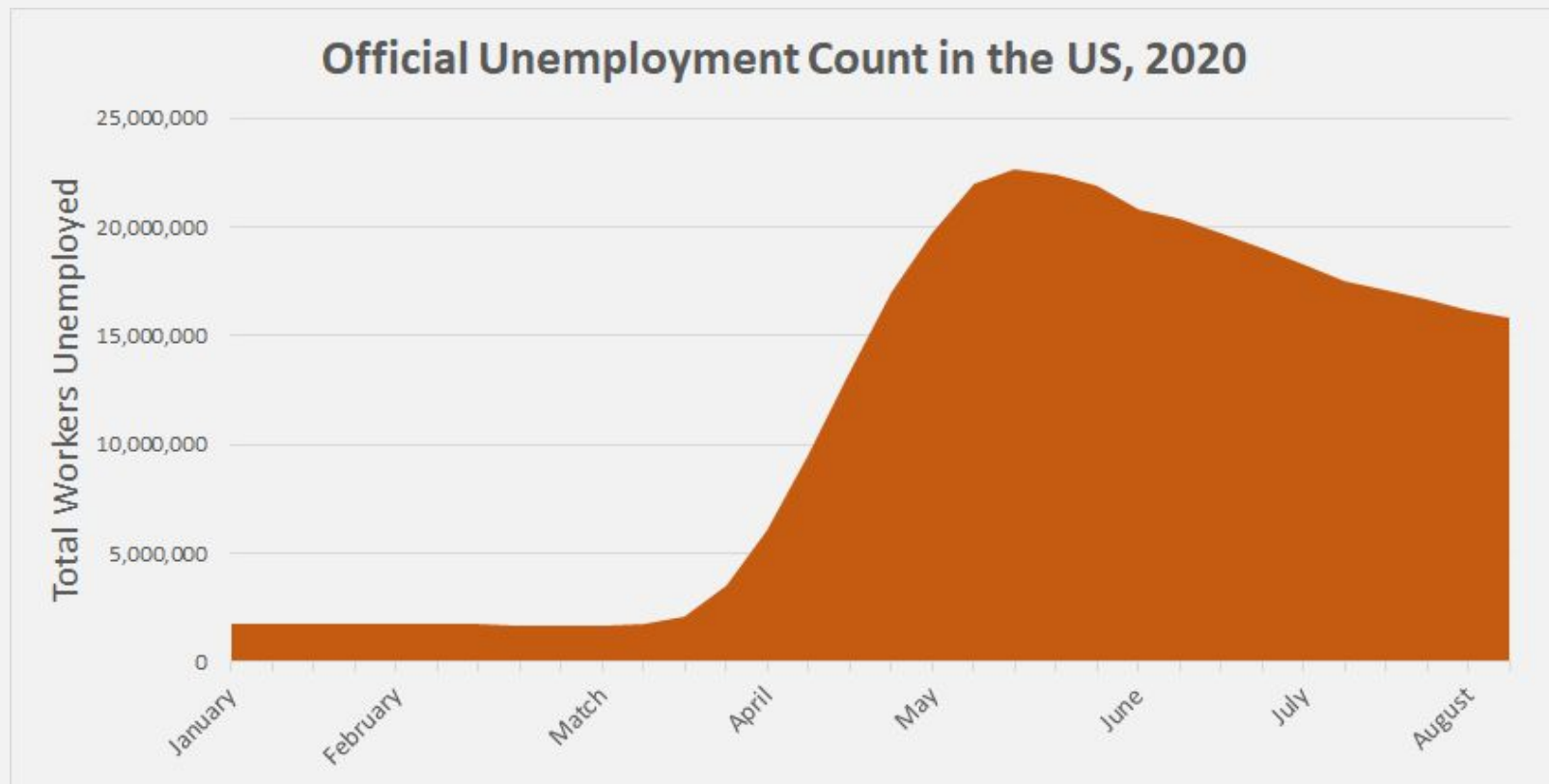
Even before this crisis, energy was unaffordable for US households

One in three households in the US deal with energy insecurity.

30 million households pay more than 6% of their income toward energy bills.

Studies have found that **households in disadvantaged communities use less than affluent households, but pay more of their paycheck.**

But COVID-19 has put those issues into hyperdrive.



Source: US Department of Labor

3
1



Who can help and what should they do?



State & local legislature.



Utilities.



Regulators.



We need to know the scale of the problem.

- » Utility companies **don't** report information on how many customers may be disconnected.
- » Where we do have data, we see a looming crisis.:

State	Housholds at risk of disconnection
Florida	At least 560,000
North Carolina	More than 1 million
Pennsylvania	800,000

- » We need to know the scale of the problem. **We need data.**



Ensure the most vulnerable are protected.

- » **Long-term disconnection moratorium:** Disconnections are a public health risk & entrench economic damage. Long-term protection and immediate reconnection.
- » **End punitive treatment of low-income customers.**
 - > End late fees & disconnection/reconnection fees.
 - > End negative credit reporting.
 - > End deposits.
- » **Humane payment plans.** We know the road to economic recovery will be long and we should give customers the chance to recover.

Utilities can share the burden.

- » Who should bear the burden of economic disruption?
 - > Ratepayers who have been impacted by COVID-19?
 - > What about utility shareholders & profits?

Northam pushes for overdue electric bill forgiveness



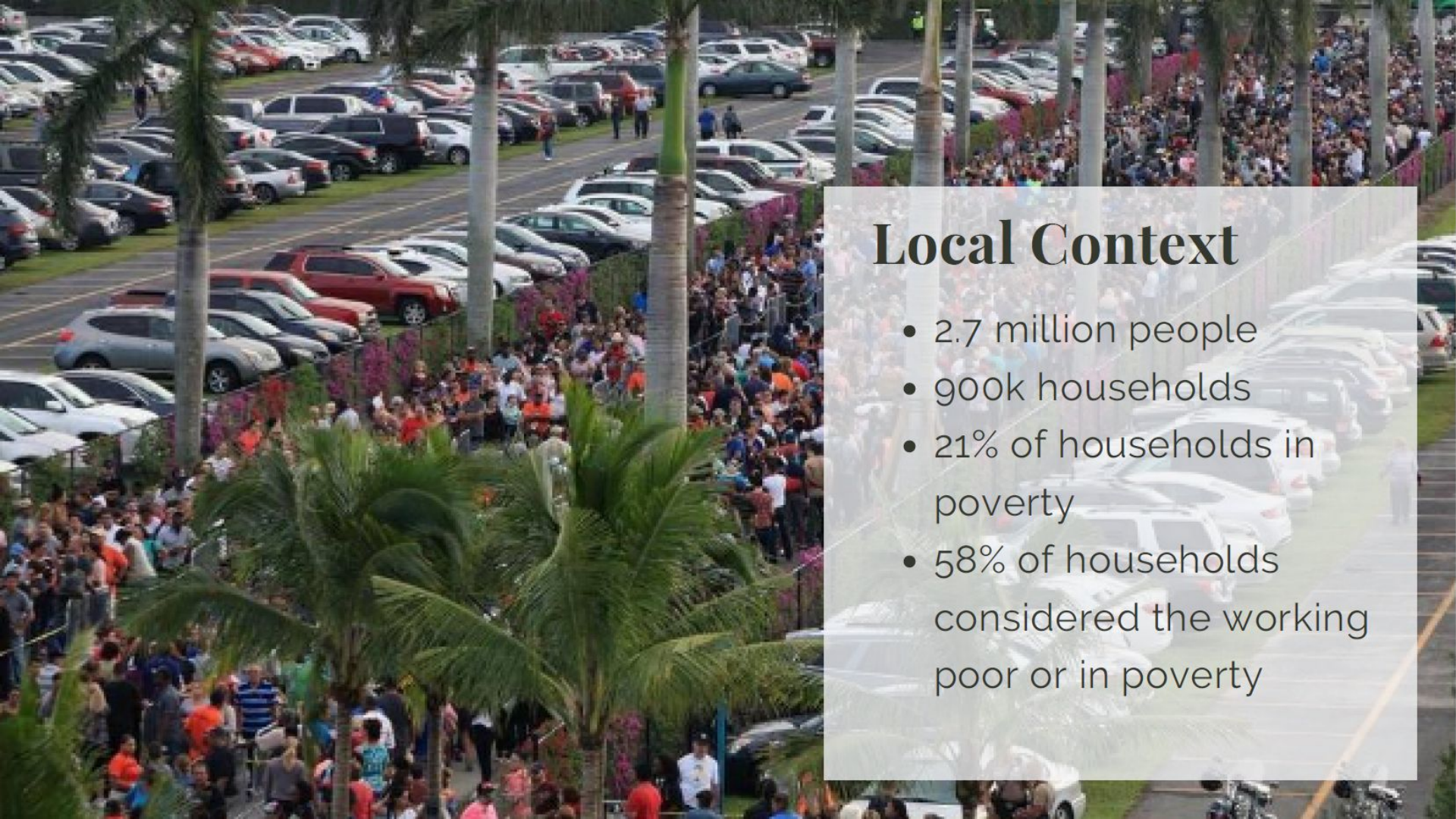
Let's envision a brighter, fairer future





Zelalem Adefris

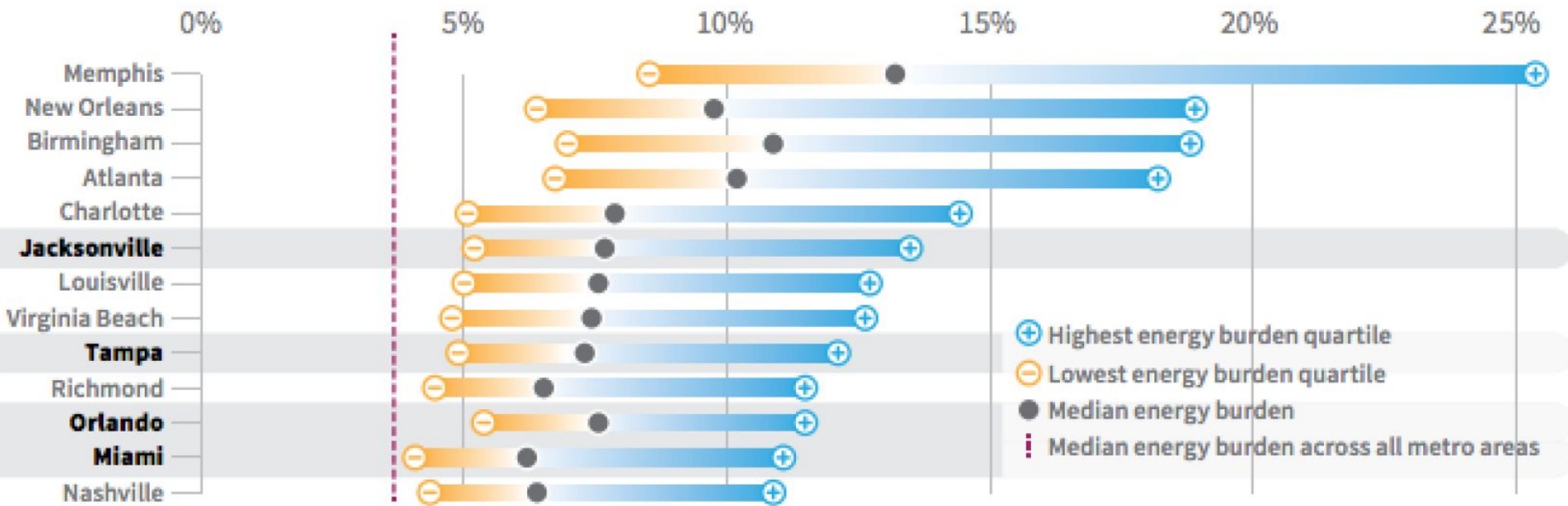
VP of Policy & Advocacy, Catalyst Miami
Steering Committee Member, Miami Climate Alliance
zelalema@catalystmiami.org



Local Context

- 2.7 million people
- 900k households
- 21% of households in poverty
- 58% of households considered the working poor or in poverty

Quartile Energy Burdens of Low-Income Households in Southeastern Cities



Low-income households in Florida cities in this study face high energy burdens. On average, half the low-income households in Jacksonville, Tampa, Orlando, and Miami have an energy burden greater than 7.2%, and a quarter of them, over 12%. The national average is 3.5%.



Florida utility low income energy efficiency programs (2015 data)

Electric utility	Spending per residential customer (\$)	Savings per residential customer (kWh)
Duke Energy Florida	\$0.22	2.76
Florida Power and Light Company	\$0.02	0.02
Gulf Power Company	\$2.12	3.70
Jacksonville Electric Authority	\$1.66	2.20
Orlando Utilities Commission	\$0.53	0.37
Tampa Electric Company	\$6.29	7.34
Southeast Median	\$2.45	2.83
National Median	\$2.58	2.86



CLEAR

10-week grassroots advocacy
& leadership training program



MCA Clean Energy Working Group

Open & inclusive collective
organizing space



Catalyst to the Capital

Annual community-led
advocacy trip to Tallahassee

*Impacted communities need to be at the helm of
policy design & decision-making*

Because that's how we win, design, & hold elected officials accountable to better policies



\$450K increase in
weatherization
program funding

2019

Local resolution
urging the PSC to
implement
meaningful energy
efficiency goals

2019

Local resolution
calling for a
moratorium on shut-
offs, which led to FPL
postponing shut-offs

2020

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ACTION ALERT:

<https://cleanenergy.org/feeca>

www.catalystmiami.org/clear_toolkit_library

www.catalystmiami.org/subscribe



THE CLEAR TOOLKIT

A GUIDE FOR DEVELOPING
COMMUNITY RESILIENCE
LEADERSHIP PROGRAMS



A PUBLICATION OF
CATALYST
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OUR CONTACT DETAILS

Protecting Ratepayers through the COVID crisis:



Katie Chiles Ottenweller
Southeast Director



VOTE SOLAR

Protecting All Florida Ratepayers

When Gulf Power asked for special treatment for customers' debts in July, **CLEO Institute and Vote Solar intervened.**

- » No disconnections until 2021 at the earliest
- » Comprehensive utility reporting
- » Fair treatment of utility costs
- » **Expand debt forgiveness & energy efficiency**

Florida Public Service Commission allowed Gulf's special treatment, but ordered a workshop on our request.

Commissions will have to make more decisions in the future
-- and they need to hear from us.

Call to Action

- » Join the **Florida Climate Pledge**
- » Read and share the **Principles for Protecting Utility Customers in the Regulatory Response to COVID-19**
- » Take action to fix the **Florida Energy Efficiency and Conservation Act**

Questions? Ideas?