



# Manufacture Alabama 2021 Conference

Caroline Y. Freeman

Director, Air & Radiation Division

EPA Region 4



# Region 4 – A Large, Unique Part of America

## *Some of the positives...*

- **Eight States** - MS, AL, GA, NC, SC, KY, TN, FL (represented by Metro4-SESARM)
- **67 million people** (20% of the U.S. population)
- **6 Federally Recognized Tribes**
- **Rich, diverse landscape** – from coral reefs to mountains
- **14 Class I areas**
- **Important to U.S. economy**
  - Large, diverse manufacturing, forestry, and agricultural sectors
  - 1/3 of U.S. vehicle miles traveled
  - 55 marine and inland ports (handling ~25% of U.S. imports/exports)

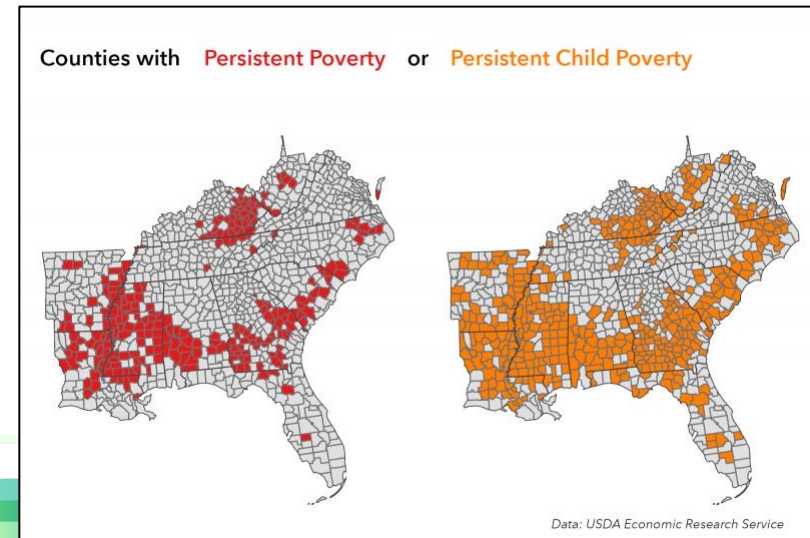




# Region 4 – A Large, Unique Part of America

## *Some of the challenges...*

- 29% of U.S. toxic air pollution releases (2019 TRI)
- Large minority and poor populations resulting in numerous EJ concerns
  - R4 is part of the traditional “poverty belt”
- Highly prone to natural disasters – hurricanes/storms, floods, tornados, sea level rise
  - 168 billion-plus dollar events in the SE Climate Region, costing \$442B (1980-present)
- Energy/Climate
  - Large contributor to U.S. GHG Emissions
    - 18.4% of the US total energy-related CO2 emissions



# Priorities and Key Leadership



Michael S. Regan  
Administrator of the  
United States  
Environmental Protection  
Agency

## Priorities

Environmental Justice

Climate Change

Chemical Safety

Scientific Integrity and Transparency

Building Back Better with improved  
infrastructure, jobs, and clean energy



Janet McCabe 16th  
Deputy Administrator  
of the U.S.  
Environmental  
Protection Agency

# Environmental Justice



## Environmental Justice at the EPA

Read the [Annual Environmental Justice Reports](#) to learn how the Agency's programs and resources serve vulnerable communities across the country. Read the report and stay connected through our [ListServ](#) to find out how you can stay involved!



## Join EPA for Community Outreach and Engagement Calls



## Join us for the NEJAC Public Meetings!

EPA is hosting National Environmental Justice Advisory Council (NEJAC) Public Meetings. [Learn more about the NEJAC and upcoming public meetings.](#)





## Phasing Down Climate-Damaging Chemicals

On September 23, 2021, EPA announced a new program to phase down climate-damaging hydrofluorocarbons (HFCs).



## Celebrating 30 Years of EPA's Climate Partnership Programs

EPA is celebrating the 30th anniversary of the launch of its first climate partnership program, Green Lights.

# EPA Council on PFAS

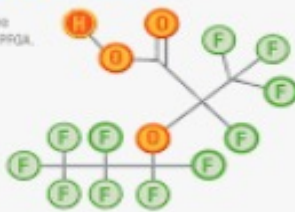
## PFOA and PFOS chemicals

U.S. manufacturers voluntarily phased out PFOA and PFOS, two specific PFAS chemicals.



## GenX chemicals

GenX chemicals are a replacement for PFOA.



## PFAS Strategic Roadmap: EPA's Commitments to Action 2021-2024



# EPA Takes Action to Address PFAS in Drinking Water



# The EPA PFAS Roadmap

[https://www.epa.gov/system/files/documents/2021-10/pfas-roadmap\\_final-508.pdf](https://www.epa.gov/system/files/documents/2021-10/pfas-roadmap_final-508.pdf)





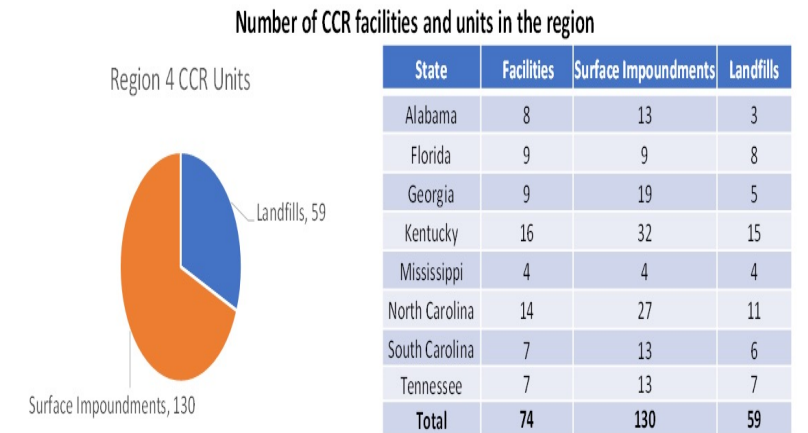


# Office of Land and Emergency Management Priorities





## FY 2022 Brownfields Job Training Grants and Superfund Activities



# Coal Combustion Rule Updates



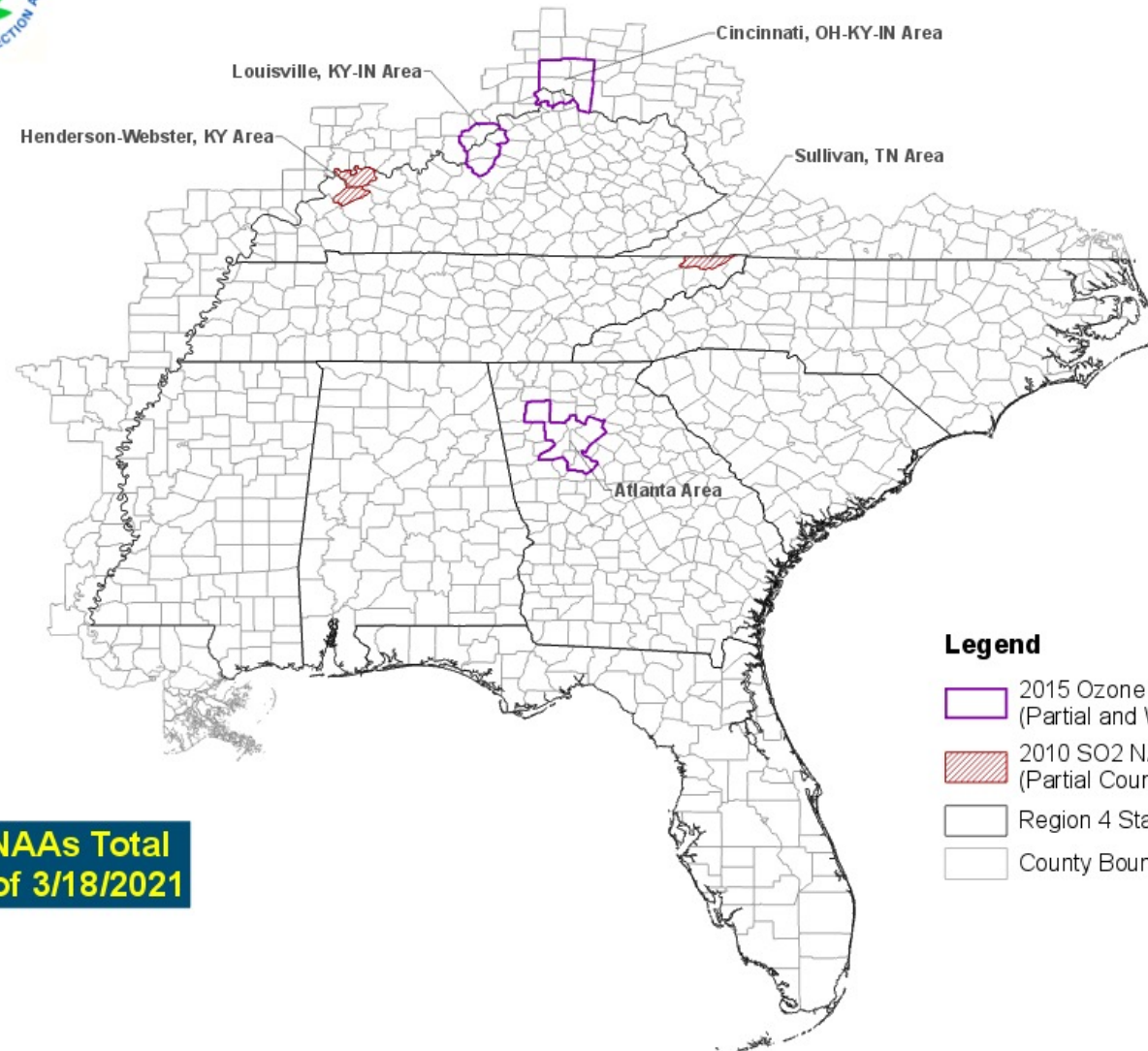
# Air Priorities







This eco-wheel image shows the natural resources providing clean air, the benefits, and drivers of change.



## Current R4 Nonattainment Areas (all NAAQS Pollutants)



### Legend

-  2015 Ozone NAAQS Current NAA (Partial and Whole Counties)
-  2010 SO2 NAAQS Current NAA (Partial Counties)
-  Region 4 State Boundary
-  County Boundary

**5 NAAs Total  
as of 3/18/2021**





# EPA Proposed Clean Cars Plan

# Protecting Our Climate By Reducing Methane Emissions

A photograph of an oil pumpjack in a field at sunset. The sky is a mix of orange, yellow, and blue. The pumpjack is a large metal structure with a long arm and a circular wheel. A dark blue text box is overlaid on the right side of the image.

Reducing pollution to protect public health  
and tackle the climate crisis

**Comment Deadline:**  
**January 4, 2022**

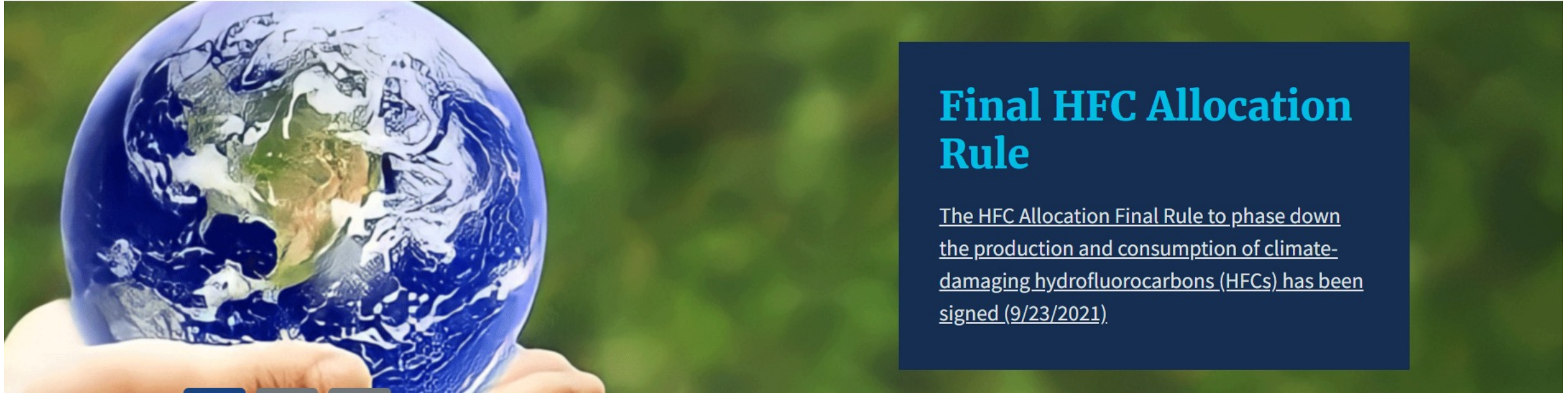
**Half-Day Training Events:**  
**November 16-18, 2021**

**Public Hearings:**  
**November 30 & December 1**

<https://www.epa.gov/controlling-air-pollution-oil-and-natural-gas-industry/public-hearing-epas-proposal-reduce-methane>



# Protecting Our Climate by Reducing Use of HFCs



## Final HFC Allocation Rule

The HFC Allocation Final Rule to phase down the production and consumption of climate-damaging hydrofluorocarbons (HFCs) has been signed (9/23/2021).



# Water Priorities

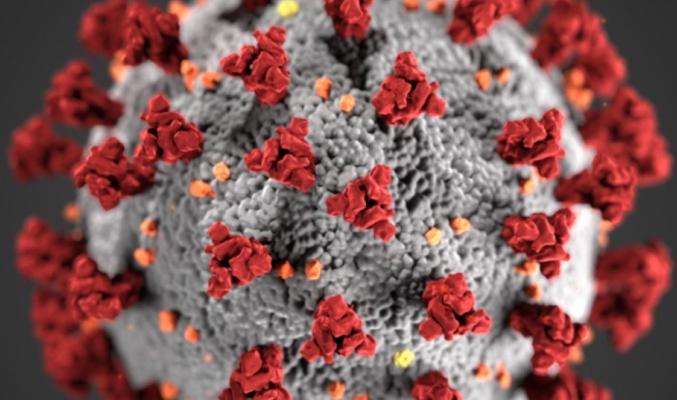
A photograph of two young children, a girl in a pink shirt and a boy in a blue shirt, smiling and playing with colorful beads.

## Lead and Copper Rule Revisions

- View the Lead and Copper Rule Revisions Virtual Engagements. [Learn more](#)
- **March 12, 2021**- EPA extends the effective date of the Revised Lead and Copper Rule (LCR). [Learn more](#)







**COVID-19  
Enforcement and  
Compliance  
Resources**

[COVID-19 Enforcement and Compliance Resources](#)







# Thank You!

**Contact Info: Caroline Y. Freeman**  
**Director, Air & Radiation Division**  
**US EPA Region 4**  
**[Freeman.Caroline@epa.gov](mailto:Freeman.Caroline@epa.gov)**  
**404-562-8976**