



# Clean Air Mississippi Project (CAMP)

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Funded by the Climate Pollution Reduction Grant

Performed in Collaboration with the Mississippi Band of Choctaw Indians



MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY



MISSISSIPPI BAND OF CHOCTAW INDIANS

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# Agenda

- Zoom Housekeeping
- Welcome and Introductions
- Climate Pollution Reduction **Planning** Grant
- Goal of Clean Air Mississippi Project (CAMP)
- Climate Pollution Reduction **Implementation** Grant
- Examples of Greenhouse Gas Reduction Measures
- How to Get Involved
- Questions and Comments



# Zoom Housekeeping

- The meeting is being recorded
- **Question and Answer (Q&A)** to type in questions throughout the meeting
- **Raise Hand** to make comments at the end of the Q&A session
- **Chat** to reach team members for any technical difficulties
- Note: If you call in only (not on the internet) press \*9 to raise and lower hand and \*6 to mute or unmute.



# The Team

## Carla Brown, MDEQ

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- Air Inventory & Attainment Planning Branch Manager and CAMP Program Manager

## Matt Carpenter, MDEQ

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- Air Inventory & Attainment Planning, CAMP Technical Manager

## Jessica “Jess” Lewis, Mississippi Band of Choctaw Indians

- [Jessica.lewis@choctaw.org](mailto:Jessica.lewis@choctaw.org), 601-663-7844
- Office of Environmental Protection

## Tetra Tech – Primary Contractor

- Beyond Communications – Outreach



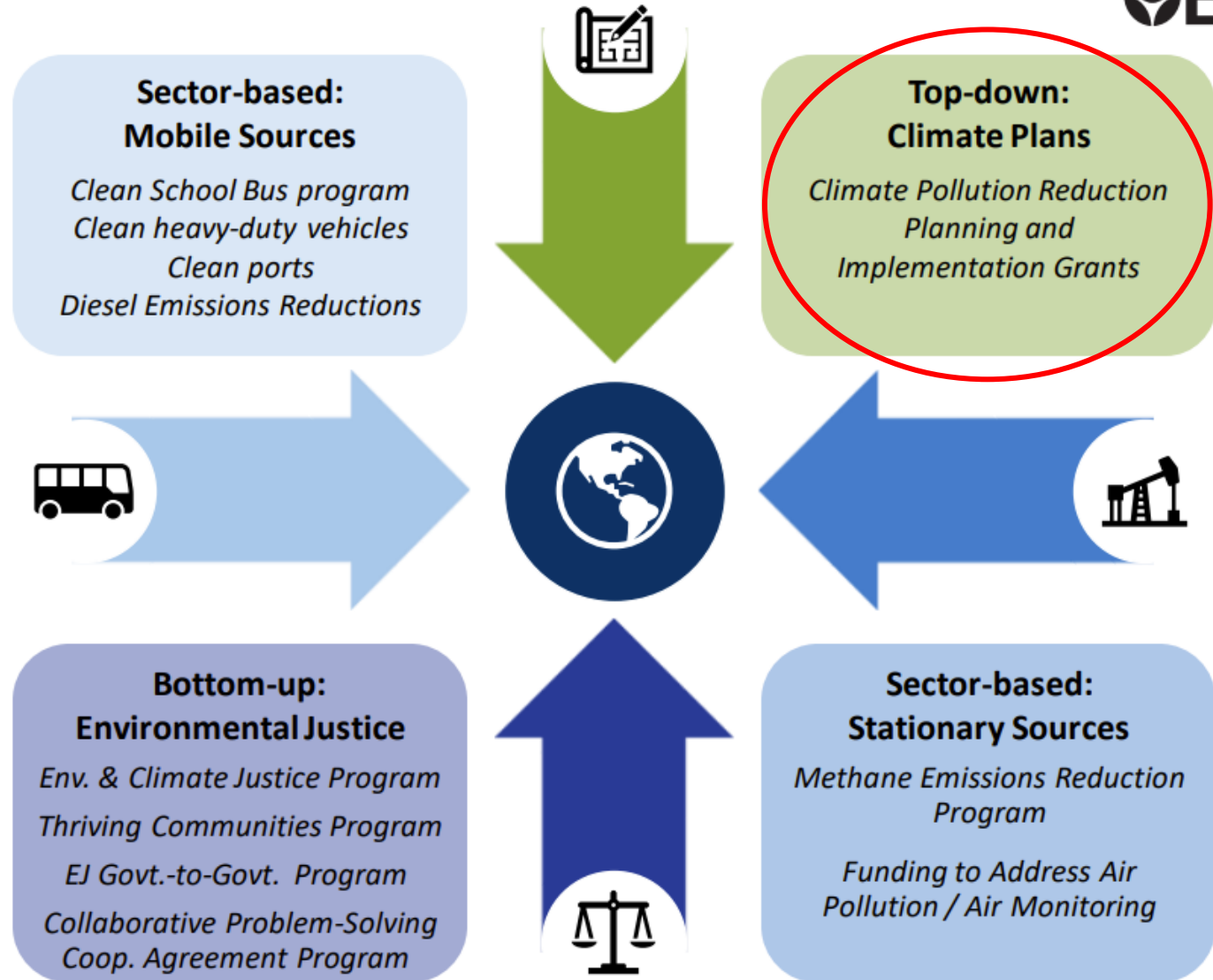
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# IRA Funding Directed to EPA to Address Climate Change



# CPRG Planning Grant

- \$250 million for non-competitive grants to states, locals, and tribes
- 46 States, Puerto Rico, and D.C. applied for and received \$3 million
- About 80 metropolitan areas received \$1 million (none in MS)
- MS Band of Choctaw Indians also received a grant



# The Deliverables

## “Priority Climate Action Plan” – Due March 1, 2024

- Simplified GHG inventory for the state
- Near-term, implementation-ready, priority GHG-reduction measures
- Benefits analysis for low-income and disadvantaged communities (LIDAC)

## “Comprehensive Climate Action Plan” – Due June 29, 2025

- Comprehensive GHG inventory, including projections and reduction targets
- Benefits analysis for state and LIDAC
- Workforce development analysis
- Near-term and long-term GHG reduction measures needed to achieve goals

## Status Report – Due June 29, 2027

- Status of CCAP plan implementation
- Parties responsible for achieving measures under development
- Updates to benefits analyses and workforce development

Overarching Goal:  
Reduce Greenhouse  
Gases and Related  
Co-pollutants



**Clean Air Mississippi Project**  
**CAMP**





# What are Greenhouse Gases (GHGs)?



Greenhouse gases trap heat in the Earth's atmosphere.



GHGs include carbon dioxide, methane, nitrous oxide, and fluorinated gases.



Collectively they are measured in Carbon Dioxide equivalents (CO<sub>2</sub>e).

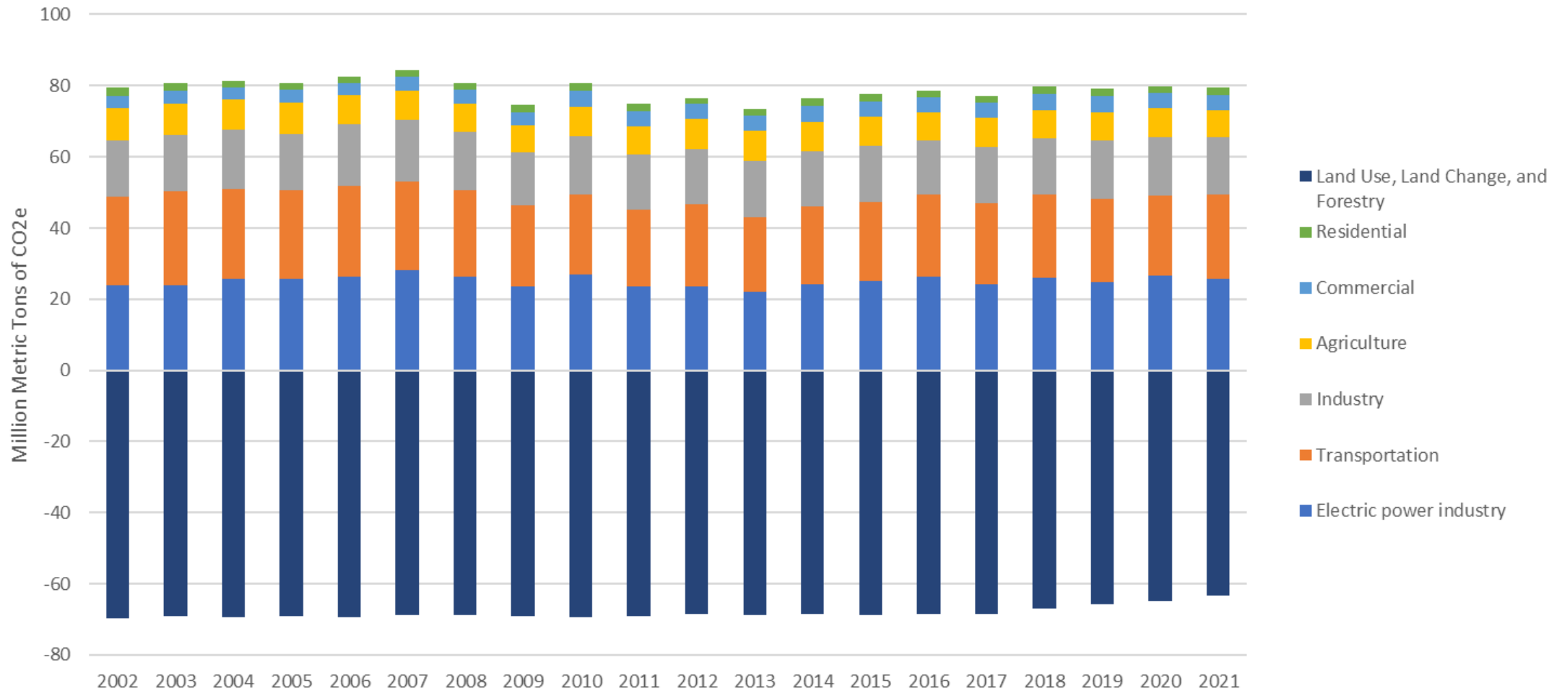


There are both sources and sinks of greenhouse gases.



Typically other air pollutants are emitted with GHGs, which are referred to as co-pollutants.

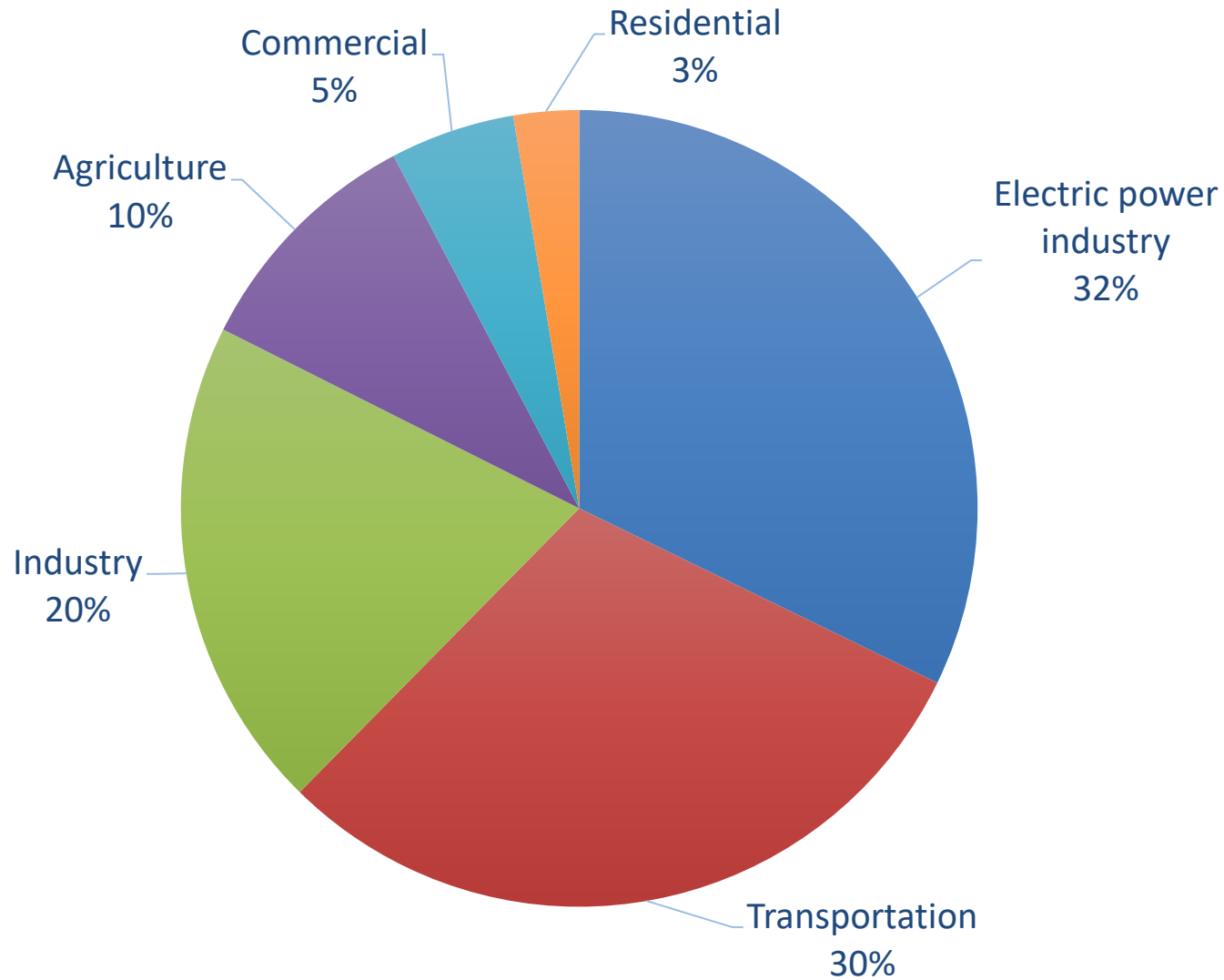
# Greenhouse Gas Emissions in Mississippi



Source: U.S. EPA's Inventory of U.S. Greenhouse Gas Emissions and Sinks by State

<https://www.epa.gov/ghgemissions/state-ghg-emissions-and-removals>

## 2021 Emissions by Economic Sector



## Sectors Identified for GHG Reductions

- Electric Power
- Transportation
- Industry
- Buildings
- Agriculture
- Waste, Water and Sustainable Materials
- Land Use / Forestry



# CPRG Implementation Grant

# CPRG Implementation Grant

- Competitive grant administered by EPA
- Must fund GHG reduction measures specified in Priority Climate Action Plan
- \$4.3 billion for general competition
- 30-115 individual grants
- \$2 million to \$500 million tiered awards
- No cost share or match required
- Separate \$300 million funding opportunity for tribes and territories

*Table 1: Grants Ranges and Funding by Tier*

Tier	Grant Ranges	Funds Targeted for Each Tier	Anticipated Number of Grants to be Awarded
Tier A	\$200,000,000 – \$500,000,000	\$2 billion	4-10
Tier B	\$100,000,000 – \$199,999,999	\$1.3 billion	6-13
Tier C	\$50,000,000 – \$99,999,999	\$0.6 billion	6-12
Tier D	\$10,000,000 – \$49,999,999	\$0.3 billion	6-30
Tier E	\$2,000,000 – \$9,999,999	\$0.1 billion	10-50

# Entities Eligible for Implementation Funding

\*General Competition

## Eligible Entities

- State agencies, local government, tribes, and territories
  - Coalition – multiple eligible entities, with one designated lead
  - Partners – universities, NGOs, private companies (can be subrecipient)
- Limit of one application per eligible entity and one application as lead of a coalition

## Timeline

- September 20, 2023: Notice of Funding Opportunity released.
- April 1, 2024: Due date of the application.
- July 2024: Anticipated funding selection.
- October 2024: Anticipated awards.
- Period of Performance: 5 years

EPA CPRG Implementation Grant Website: <https://www.epa.gov/inflation-reduction-act/about-cprg-implementation-grants>

# EPA's Goals for Implementation Grants



Implement ambitious measures that will achieve significant cumulative GHG reductions by 2030 and beyond.



Pursue measures that will achieve substantial community benefits (such as reduction of criteria air pollutants (CAPs) and hazardous air pollutants (HAPs)), particularly in low-income and disadvantaged communities.



Complement other funding sources to maximize these GHG reductions and community benefits.



Pursue innovative policies and programs that are replicable and can be “scaled up” across multiple jurisdictions.



# Examples of GHG Reduction Measures



# Neighboring or regional jurisdictions – Climate Action Plans

- **State of Louisiana** (2022) *Louisiana Climate Action Plan*
- **City of Atlanta** (2015) *Climate Action Plan*
- **City of Memphis** (2020) *Memphis Climate Action Plan*
- **City of New Orleans** (2022) *Net Zero by 2050: A Priority List for Climate Action in New Orleans*
- **City of St. Louis, Missouri** (2017) *Climate Action and Adaptation Plan: For the City of St. Louis Sustainability Plan*
- **City of Columbia, Missouri** (2019) *Climate Action and Adaptation Plan*

# Examples of GHG Reduction Measures in existing Climate Action Plans



**Electric Power** – targeted incentives for installation of renewable energy and energy storage systems, development of distributed community-scale renewable energy generation or microgrid

Sector	Strategy and Key Measure	Included in CAP
Power/Electricity Generation	Implement or Strengthen Renewable Portfolio Standards	State of Louisiana (2022) Memphis, TN (2020) New Orleans, LA (2022) Columbia, MO (2019)
	Support Distibuted Energy Resources (residential, commercial, and community-based renewable energy installation and storage) <ul style="list-style-type: none"> <li>• Tax incentives</li> <li>• Provide and facilitate financing</li> </ul>	State of Louisiana (2022) Atlanta, GA (2015) New Orleans, LA (2022) Columbia, MO (2019)

# Examples of GHG Reduction Measures in existing Climate Action Plans



**Transportation** – programs to increase share of electric vehicles and expand EV charging infrastructure, electrification of fleets

Sector	Strategy and Key Measure	Included in CAP
Transportation	Reduce Travel Demand and Vehicle Miles Traveled (VMT) <ul style="list-style-type: none"> <li>• Promote telecommuting and compressed work weeks</li> <li>• Parking pricing</li> </ul>	State of Louisiana (2022) Atlanta, GA (2015) Memphis, TN (2020) St. Louis, MO (2017) Columbia, MO (2019)
	Invest Public Transit <ul style="list-style-type: none"> <li>• Develop public-transit-oriented communities</li> <li>• Increase financial support</li> <li>• Re-design public transportation systems</li> </ul>	State of Louisiana (2022) Atlanta, GA (2015) Memphis, TN (2020) New Orleans, LA (2022) St. Louis, MO (2017) Columbia, MO (2019)
	Invest and Promote Active Transportation Modes <ul style="list-style-type: none"> <li>• Design and improve walking and biking friendly infrastructure</li> <li>• Create bike-sharing systems</li> </ul>	Atlanta, GA (2015) Memphis, TN (2020) New Orleans, LA (2022) St. Louis, MO (2017) Columbia, MO (2019)

# Examples of GHG Reduction Measures in existing Climate Action Plans



**Industry** – programs incentivizing implementation of energy efficiency measures or electrification of equipment

Sector	Strategy and Key Measure	Included in CAP
Industry	Electrification of Industrial Processes and Equipment (incentives and standards)	State of Louisiana (2022)
	Track and Facilitate Facility-specific Emission Reduction <ul style="list-style-type: none"> <li>• Require reporting</li> <li>• Programs to facilitate reductions</li> </ul>	State of Louisiana (2022)
	Reduce Fugitive Methane Emissions from Oil and Gas Pipelines (regulations and training programs)	State of Louisiana (2022)

# Examples of GHG Reduction Measures in existing Climate Action Plans



**Buildings** – adoption of most up-to-date building energy codes, incentive programs for purchase of energy-efficient appliances, HVAC, lighting, etc., electrification of buildings, pre-weatherization and weatherization of buildings

Sector	Strategy and Key Measure	Included in CAP
Buildings	Adopt Building Energy Benchmarks, Codes, and Standards <ul style="list-style-type: none"> <li>• Building energy benchmarking</li> <li>• Establish and enforce energy efficiency standards</li> <li>• Require LEED or equivalent certifications on new buildings</li> </ul>	State of Louisiana (2022) Atlanta, GA (2015) Memphis, TN (2020) New Orleans, LA (2022) St. Louis, MO (2017) Columbia, MO (2019)
	Energy Efficiency Incentive Programs <ul style="list-style-type: none"> <li>• Tax incentives</li> <li>• Provide financing options</li> </ul>	State of Louisiana (2022) Atlanta, GA (2015) Memphis, TN (2020) St. Louis, MO (2017) Columbia, MO (2019)
	Building and Urban Infrastructure Retrofitting <ul style="list-style-type: none"> <li>• Retrofitting/retro-commissioning</li> <li>• Retrofit/upgrade to LED streetlights</li> </ul>	State of Louisiana (2022) Atlanta, GA (2015) Memphis, TN (2020) St. Louis, MO (2017) Columbia, MO (2019)

# Examples of GHG Reduction Measures in existing Climate Action Plans



**Agriculture and Carbon Sinks**– incentives to reduce nitrous oxide emissions from fertilizer application, urban afforestation and green infrastructure programs and projects

Sector	Strategy and Key Measure	Included in CAP
Agriculture/Natural and Working Lands	Sustainable and Climate-smart Agriculture and Forestry Practices <ul style="list-style-type: none"> <li>• Study effects of farming/forestry practices</li> <li>• Promote vertical/urban farming</li> </ul>	State of Louisiana (2022) Atlanta, GA (2015) Columbia, MO (2019)
	Protect, conserve, and restore natural lands	State of Louisiana (2022) St. Louis, MO (2017) Columbia, MO (2019)
	Expansion of Urban Tree Canopy and Green Spaces	State of Louisiana (2022) Atlanta, GA (2015) Memphis, TN (2020) New Orleans, LA (2022) St. Louis, MO (2017) Columbia, MO (2019)

# Examples of GHG Reduction Measures in existing Climate Action Plans



**Waste, Water, and Sustainable Materials** – standards to reduce methane emissions from landfills and wastewater treatment, installation of renewable energy and energy efficiency measures at wastewater treatment facilities

Sector	Strategy and Key Measure	Included in CAP
Waste Management	Increase Recycling and Waste Diversion <ul style="list-style-type: none"> <li>• Recycling programs and incentives (building materials, organic waste, solid waste, etc.)</li> <li>• Secure funding for new or upgrading local material recovery facilities</li> </ul>	State of Louisiana (2022) Atlanta, GA (2015) Memphis, TN (2020) New Orleans, LA (2022) Columbia, MO (2019)
	Reduce Methane Emissions from Landfills	Memphis, TN (2020) Columbia, MO (2019)
	Water and Wastewater Related Measures <ul style="list-style-type: none"> <li>• Programs/incentives to conserve water</li> <li>• Upgrade piping systems</li> </ul>	Atlanta, GA (2015) St. Louis, MO (2017) Columbia, MO (2019)

MDEQ & MBCI need  
your help

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# How can you participate?

- Do you have projects, programs, or policies you have implemented, are pursuing, or would like to pursue?
- Are you interested in working with MDEQ or another state or local government entity to help apply for implementation grant funding?

1

Email input and ideas for GHG reduction measures to [camp@mdeq.ms.gov](mailto:camp@mdeq.ms.gov)

2

Complete the Survey on the website.  
**Coming Soon!**

3

Visit the project website for more information  
**Coming Soon!**

# Questions and Comments