

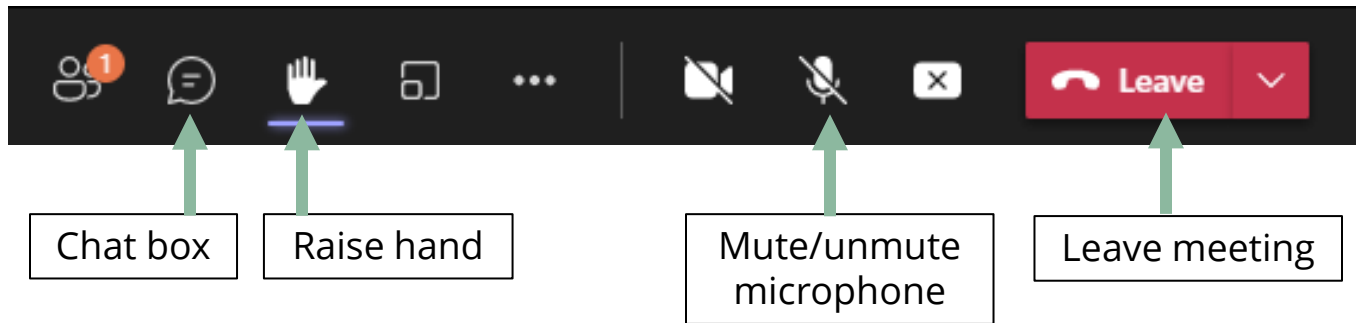


# TENNESSEE VOLUNTEER EMISSION REDUCTION STRATEGY

Public Webinar | June 27, 2024

# Housekeeping

- Recording and slides will be shared to the TVERS website following the presentation.
- Please hold questions for the Q&A portion. You may post questions to the chat during the presentation.
- Below are options available during the Teams meeting.



# Moderator & Presenters



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Engagement



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Director, Office of  
Policy and  
Planning

# Agenda

- Grant Program Review
- PCAP Overview
- Implementation Grant
- CCAP: Looking Ahead
- Q&A





# GRANT PROGRAM REVIEW

# Climate Pollution Reduction Grant

## Phase 1: \$250 Million

**Non-competitive planning grants** to develop climate pollution reduction plans for reducing greenhouse gas emissions and other harmful air pollution.

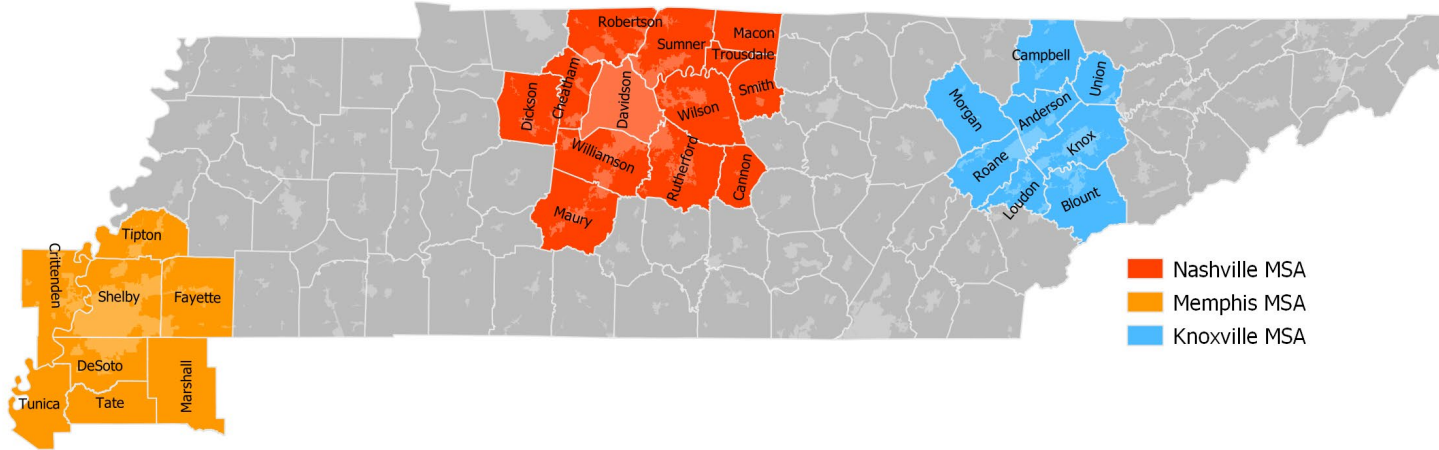
## Phase 2: \$4.6 Billion

**Competitive implementation grants** to fund emission reduction measures proposed in planning phase.



Learn more via [EPA's CPRG Webpage](#)

# Tennessee Planning Grants

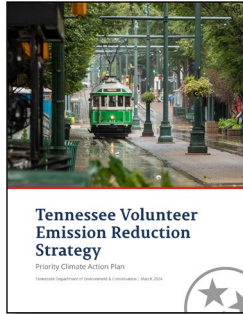


- State of Tennessee: \$3 million
- Nashville Metropolitan Statistical Area: \$1 million
- Memphis Metropolitan Statistical Area: \$1 million
- Knoxville Metropolitan Statistical Area: \$1 million



View planning grant recipients' [Priority Climate Action Plans](#)

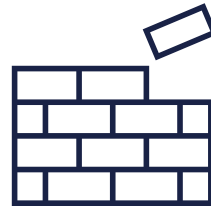
# Planning Grant Deliverables



## Priority Climate Action Plan (PCAP)

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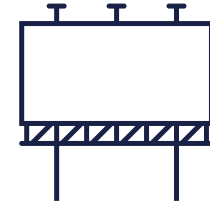
- Due **March 1, 2024**
- Near-term, implementation-ready, **priority greenhouse gas (GHG) reduction measures**
- **Prerequisite** for implementation grant



## Comprehensive Climate Action Plan (CCAP)

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- Due in **2025** (later for tribes and territories)
- **All sectors** / significant GHG sources and sinks
- **Near- and long-term** GHG emission reduction goals and **strategies**



## Status Report

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- Due in **2027** (N/A for tribes or territories)
- **Updated** analyses and plans
- **Progress and next steps** for key metrics



# Our Approach: Tennessee Volunteer Emission Reduction Strategy (TVERS)

## OBJECTIVES

TVERS is an emission reduction plan developed by the Tennessee Department of Environment and Conservation (TDEC) with partners statewide. The plan supports investment in strategies that:



**Reduce Emissions**



**Strengthen the Workforce**



**Spur Economic Growth**



**Enhance Health & Quality of Life**

TVERS demonstrates what is possible for future generations to enjoy Tennessee's economic prosperity and abundant natural resources. It highlights a commitment to serving Tennessee communities by honoring our natural heritage while providing pathways to economic growth.



# PRIORITY CLIMATE ACTION PLAN

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Public & Stakeholder Engagement

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Greenhouse Gas (GHG) Inventory

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Quantified GHG Reduction Measures

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Benefits Analysis

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Low Income / Disadvantaged Communities  
Benefits Analysis

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Review of Authority to Implement

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Intersection with Other Funding  
Availability

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## Tennessee Volunteer Emission Reduction Strategy

Priority Climate Action Plan

Tennessee Department of Environment & Conservation | March 2024



[View TDEC's PCAP](#)

# Public and Stakeholder Engagement Process

## Online Resources

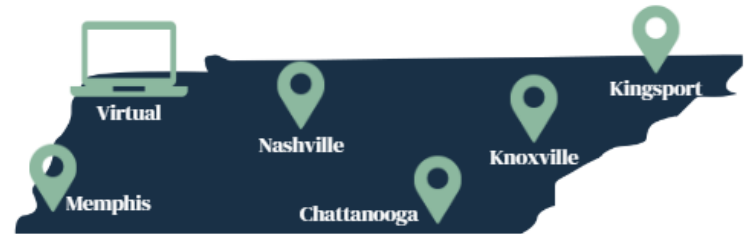
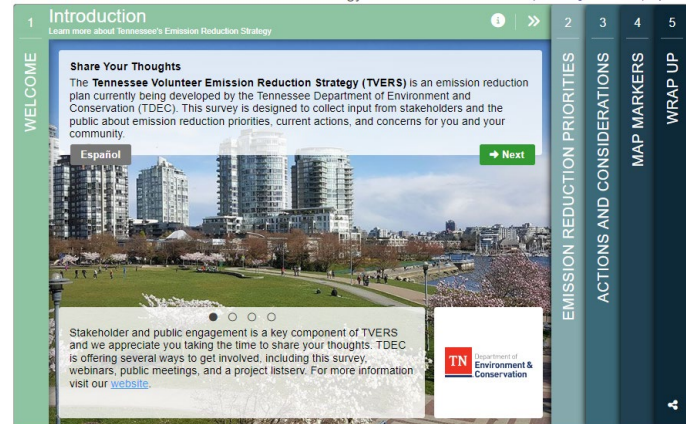
- Website and Listserv
- Email Address

## Public Outreach

- Public Meetings
- Public Survey
- Community Assessments

## Stakeholder Engagement

- Advisory Committee
- Sector Meetings



# Public and Stakeholder Engagement Results

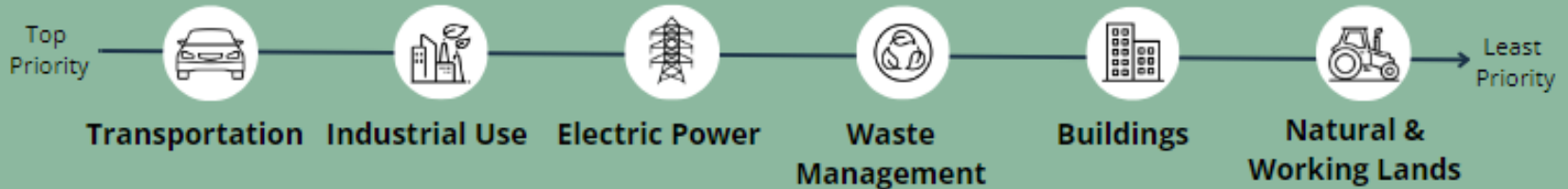
**1,636** survey responses

**38%** of responses from low-income or disadvantaged communities

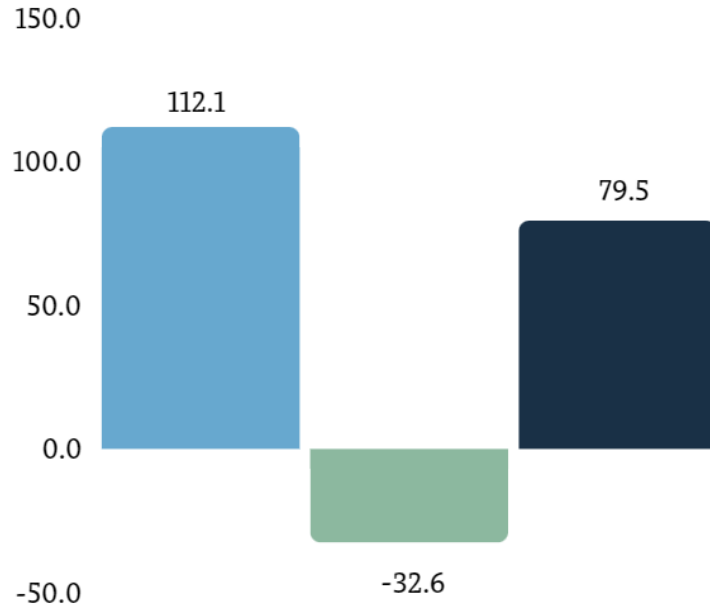
**75%**

of participants reported being motivated to take action out of **concern for the environment and future generations**

## Emission Reduction Sector Priorities



# Tennessee's Net Emissions (2019)

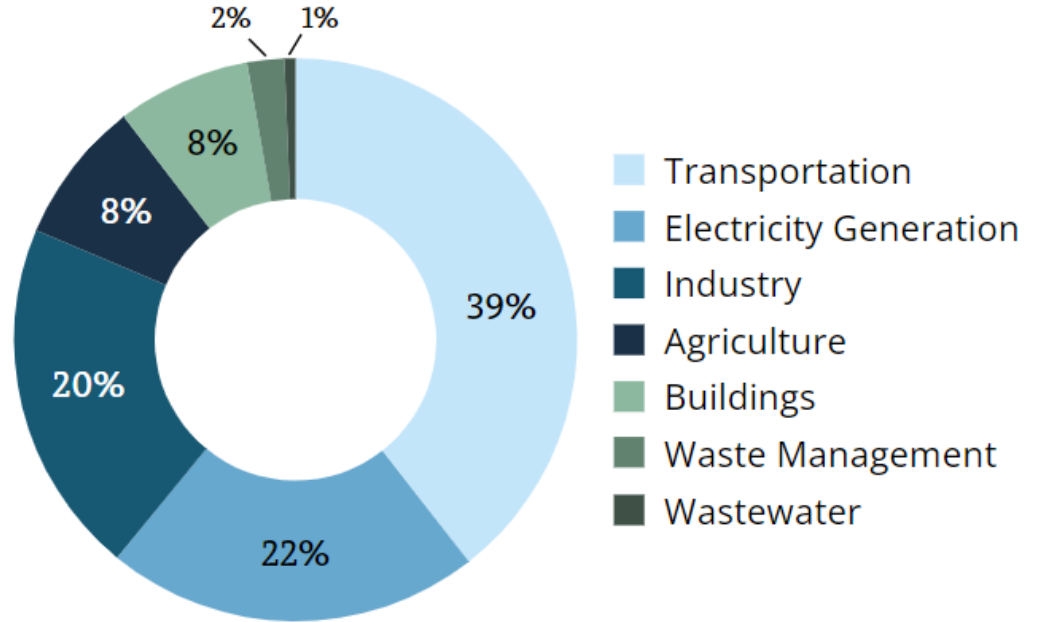


- Total Emissions
- Land Use, Land Use Change, & Forestry
- Net Emissions



Method: [EPA's State Inventory Tool \(SIT\)](#), default state data

# Tennessee's GHG Inventory (2019)



Method: EPA's State Inventory Tool (SIT), default state data

# Priority Emission Reduction Activities

## Selection criteria:

- Near-term and implementation ready
- Voluntary actions
- Public and stakeholder support
- Low-income and disadvantaged priority



## 6 Reduction Categories:



**Building Energy Efficiency**



**Electricity Distribution Upgrades**



**Land Use**



**Transportation Electrification**



**Waste Management**



**Renewable Energy**



# Priority Emission Reduction Activities



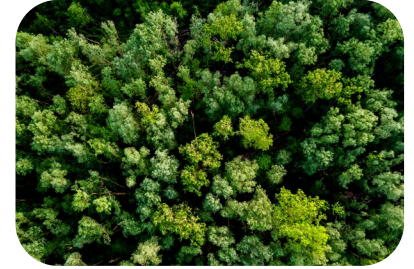
Commercial and  
Industrial Buildings  
Efficiency



Residential  
Weatherization and  
Efficiency



Upgrading  
Electricity  
Distribution



Preventing  
Deforestation



Electric Vehicle  
Adoption



Community EV  
Charging



Divert Food and  
Yard Waste



Renewable Energy  
Generation

# Potential Benefits of the PCAP

- The measures will reduce GHGs and other air pollutants:
  - Nitrogen Oxides (NO<sub>x</sub>)
  - Particulate Matter (PM)
  - Sulfur Dioxide (SO<sub>2</sub>)
  - Volatile Organic Compounds (VOCs)



Cardiovascular Disease Rates

Emergency Department Visits

Hospitalizations



Cleaner Air



New and High-Quality Jobs



Cleaner Transportation



Lower Utility Bills



More Outdoor Recreation



# IMPLEMENTATION GRANT

# EPA's Phase 2 Implementation Grants

## WHAT

- \$4.3 billion competitive grant program to implement GHG measures
- GHG measures must be included in PCAP to be eligible
- EPA anticipates awarding grants between \$2 million and \$500 million

## WHO

- Eligible applicants: States, municipalities, tribes/ territories
- Option to apply as an individual applicant or coalition of eligible applicants

## WHEN

- Applications due on April 1, 2024
- EPA anticipates notification of awards in July 2024

# Strategic Emissions Reduction Programming

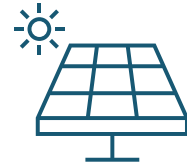
- Tennessee-only Application
  - Led by TDEC's Office of Energy Programs and Office of Sustainable Practices
  - Community-scale grant programming
- Funding Request: \$95 million



EV Fleet Conversion  
and Charging  
Infrastructure



Composting  
Programs



Solar  
Projects

# Tennessee Valley Energy Efficiency Incentives

- Coalition Application
  - States of Tennessee, Alabama, Georgia, & Mississippi; Bowling Green MSA
  - Investment in existing TVA energy efficiency programs and implemented through Local Power Companies (LPCs)
- Funding Request: \$393 million



Industrial, Commercial,  
and Residential  
Buildings Upgrades

TN

Example programs:

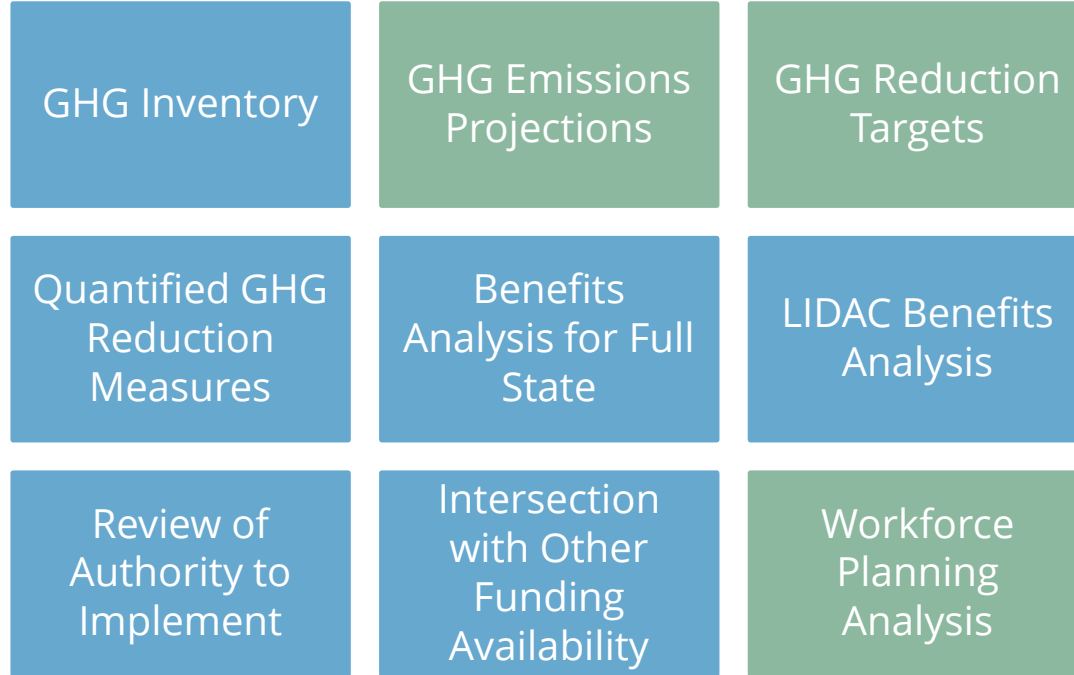





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# CCAP: LOOKING AHEAD

# CCAP Requirements



 In PCAP, to be updated for CCAP

 New Item for CCAP



TDEC's CCAP is due to the EPA in June 2025





# Get Involved



Visit our website & find us in your community:

- [tn.gov/environment/policy/tvers](https://tn.gov/environment/policy/tvers)



Recommend an event near you:

- [TDEC.TVERS@tn.gov](mailto:TDEC.TVERS@tn.gov)



Sign up for our listserv to stay updated:

- Future webinars and meetings
- Public engagement opportunities





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## Q&A

Learn More:

