

TENNESSEE VOLUNTEER EMISSION REDUCTION STRATEGY (TVERS)



March 2024

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

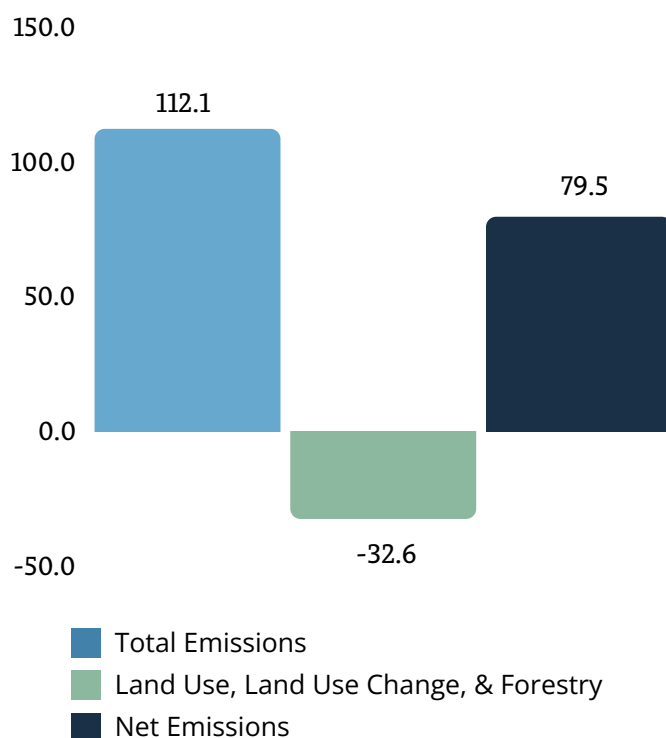
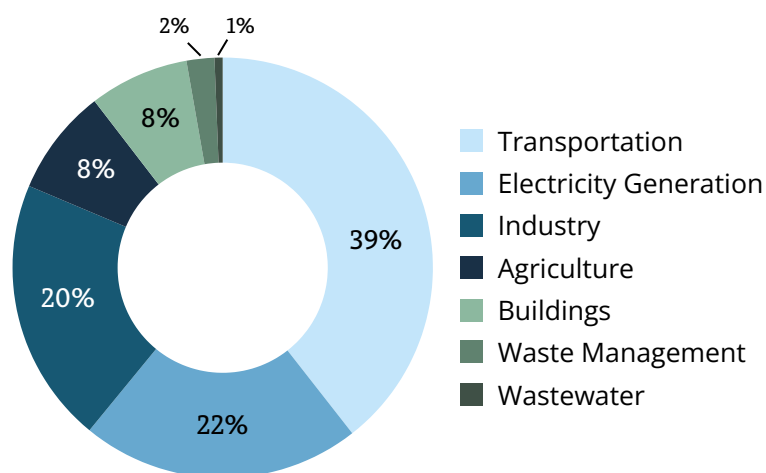


Enhance Health & Quality of Life

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.

GREENHOUSE GAS EMISSIONS INVENTORY

Tennessee's total GHG emissions for the baseline year 2019 are 112.1 millions metric tons of carbon dioxide equivalent (MMT CO₂e). TN has a large carbon sink, resulting in a 32.6 MMT CO₂e decrease (-29%) of the total emissions. Therefore, the net emissions are 79.5 MMT CO₂e.



PUBLIC & STAKEHOLDER OUTREACH

- 1,636 Tennesseans responded to a public survey
- 38% of responses from low-income or disadvantaged communities
- 6 public meetings virtually and across the state
- 6 workshops with subject matter experts
- 22 member advisory committee



Feedback from the public and stakeholder outreach aligns with the emission reduction strategies in the plan.

EMISSION REDUCTION STRATEGIES

TDEC selected emission reduction strategies that are near-term, implementation-ready, and have broad public and stakeholder support. They also reflect existing programs in the state. The plan includes strategies within the following six categories:



**Building
Energy
Efficiency**



**Electricity
Distribution
Upgrades**



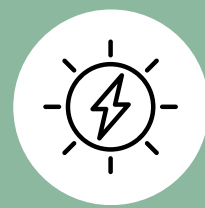
Land Use



**Transportation
Electrification**



**Waste
Management**



**Renewable
Energy**

POTENTIAL BENEFITS

The described strategies reduce GHGs, criteria air pollutants, and volatile organic compounds. By 2050, the strategies may reduce emissions by as much as:

- 547 MMT CO₂e
- 444,000 tons NO_x
- 104,000 tons of PM_{2.5}
- 227,000 tons of SO₂
- 14,000 tons of VOC

Tennesseans may experience:



Cleaner Air



New and High-Quality Jobs



Cleaner Transportation



Lower Utility Bills



More Outdoor Recreation

Learn more and view the full plan at tn.gov/environment/policy/tvers.