



socket

Nashville's Sustainability Outlet



2022 GREENHOUSE GAS INVENTORY

NASHVILLE, TENNESSEE

As part of Nashville's commitment to sustainability, the Department of General Services tracks greenhouse gas (GHG) emissions from Metro Government operations and from the Nashville community overall. The most recent inventory was completed in April of 2025 and is based on 2022 data.

Community GHG Inventory

This inventory takes into account greenhouse gas emissions for **all of** Davidson County. This includes CO₂, CH₄, and N₂O emissions from transportation, energy, solid waste, and more.

15%

lower emissions per capita compared to 2014

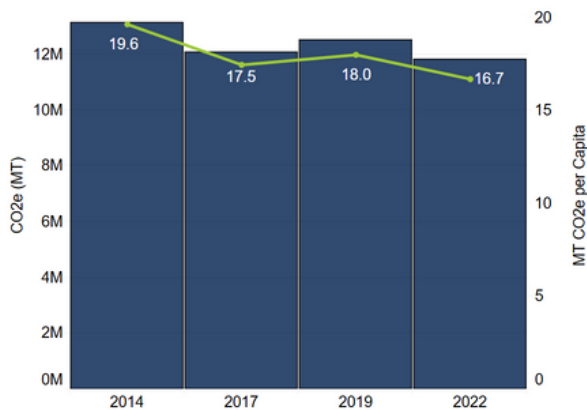
53%

of emissions are from transportation

1.3M

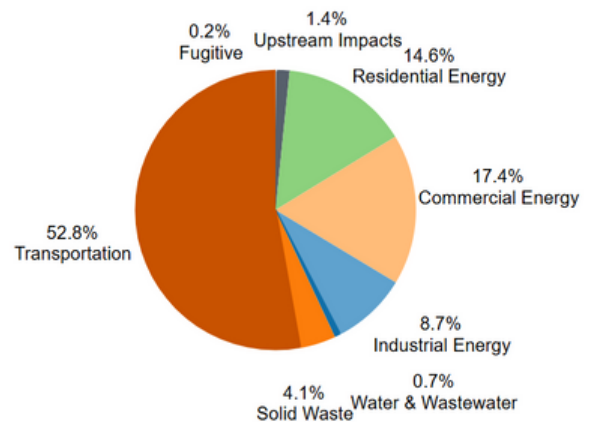
fewer metric tons CO₂e emitted in 2022 than 2014

Community Emissions Trend per Capita



Yearly trend of GHG emissions in CO₂e (Bar) and CO₂e per capita (Line), showing emissions normalized by Davidson County's growing population

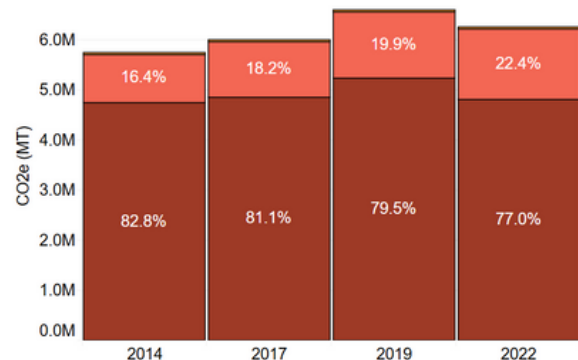
2022 Community Emissions by Sector



Key Takeaways

- Emissions have dropped 10% since 2014.
- 2022 per capita emissions are lower than the previous three inventories.
- The number of vehicle miles travelled decreased 3.3% between 2019 and 2022; meanwhile, aviation is a growing component of transportation emissions.
- Energy use in homes and buildings has stayed relatively flat; however, emissions have dropped significantly due to the power grid transitioning away from carbon intensive generation methods such as coal.

Transportation Emissions by Source



Transportation emissions by source - Dark = On-Road, Medium = Aviation, Other (Rail & Waterborne) make up < 1%.



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Municipal GHG Inventory

This inventory takes into account greenhouse gas emissions that were *generated through city operations and services of Metro Nashville government*. This includes emissions from schools and government buildings, fleet vehicles, solid waste, and more. These emissions now comprise 4% of total community emissions.

26%

lower emissions compared to 2014

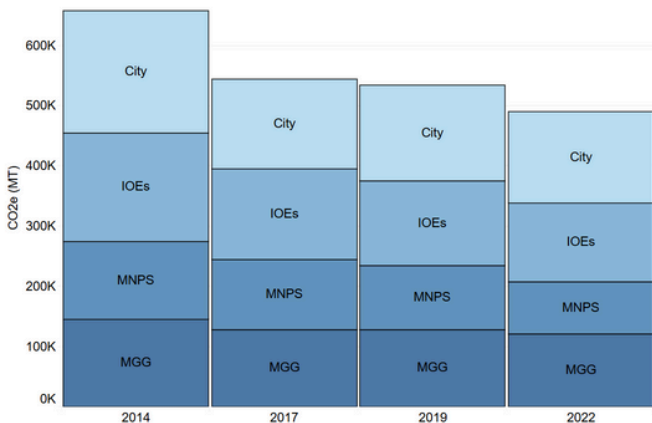
46%

of emissions are from buildings and facilities

168K

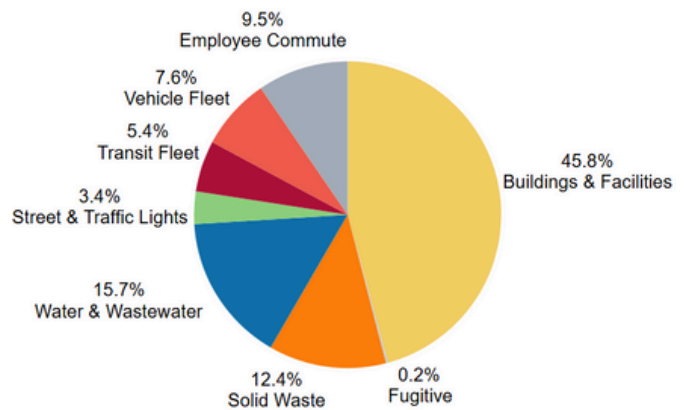
fewer metric tons CO₂e emitted in 2022 than 2014

Municipal Emissions by Group

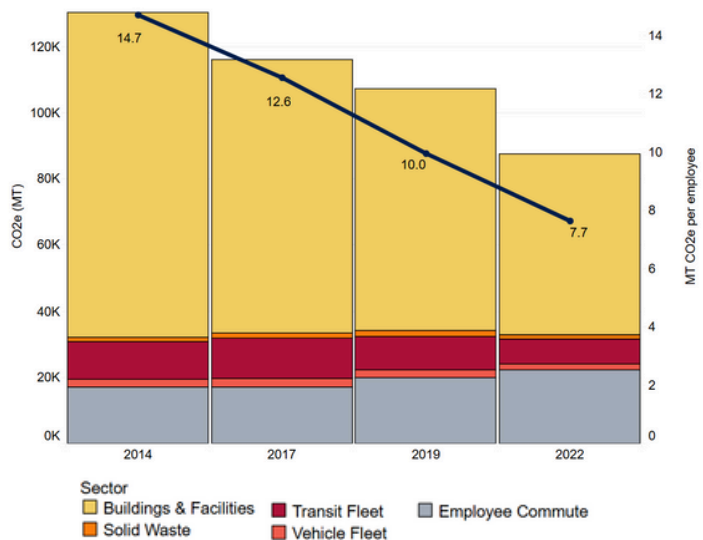


Yearly trend of Municipal GHG emissions in MT CO₂e (Bar) broken out by Group (Color) Groups = City (Street/Traffic Lights, Water & Wastewater Plants), Metro General Government (MGG), Metro Nashville Public Schools (MNPS) and Independently Operating Entities (IOEs) which include MNA, MDHA, Convention Center Authority, MTA/WeGo, NES, DES, and Sports Authority

2022 Municipal Emissions by Sector



MNPS Emissions per Employee



Key Takeaways

- Municipal emissions have decreased in every inventory since 2014.
- Metro buildings and facilities produce the largest share of municipal emissions and are using 7.5% less energy (and producing 33% fewer emissions) than they were in 2014. This is despite aging facilities and an increase in the number of buildings.
- Metro Nashville Public Schools (MNPS) emissions per employee have decreased by 48% since 2014.
- Municipal emissions decreased from a 5% share of overall community emissions in 2014 to a 4.1% share in 2022.