

Fitchburg's Greenhouse Gas Inventory

Greenhouse Gas Sectors

Where do GHGs come from?

Energy
Emissions are produced from the combustion of natural gas, coal, and other fossil fuels primarily for heating, cooling, and electricity generation.

Transportation
Emissions come from the combustion of fossil fuels for ground transportation and air travel.

Solid Waste
Emissions in the inventory estimate the decomposition of biodegradable waste (e.g., food and yard waste) in the landfill.

Water + Wastewater
Emissions from energy uses are calculated for the collection and treatment of wastewater.

Fitchburg Greenhouse Gas Trends

2014 By The Numbers



2022 By The Numbers



8 Year Trend Dashboard

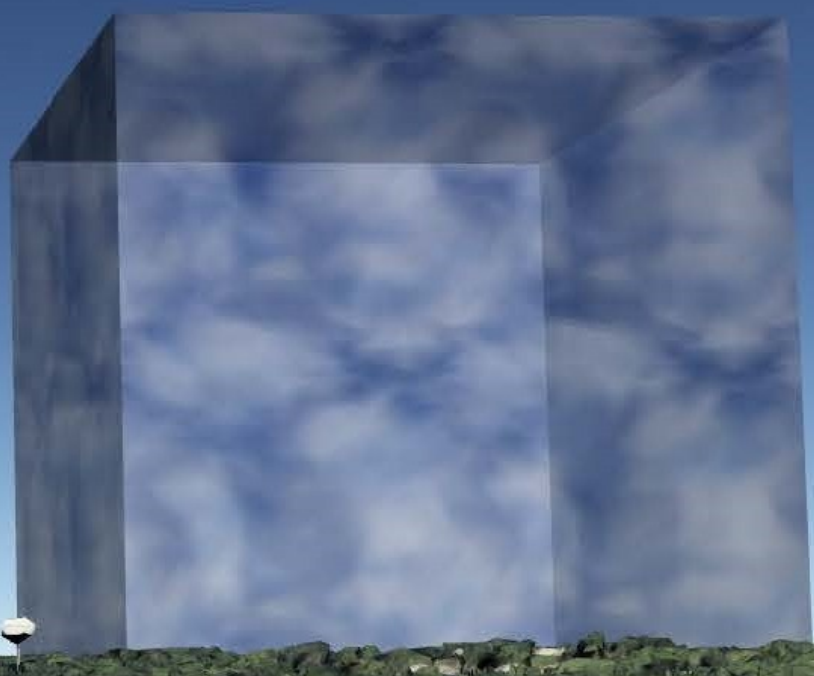


City of Fitchburg GHG Emissions Overview

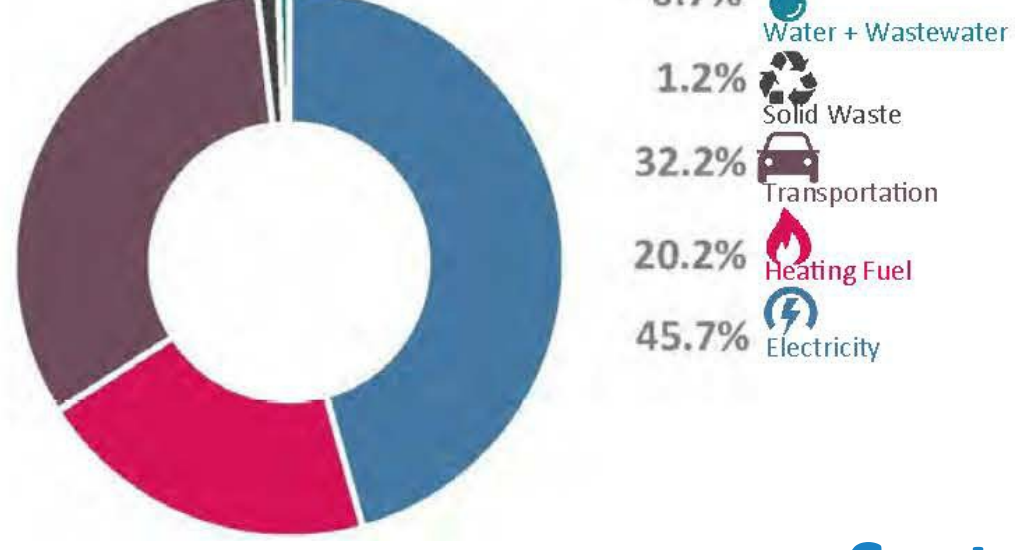
Community wide total emissions for City of Fitchburg decreased from 446,008,343 metric tons in 2014 to 419,413 metric tons in 2022, a 5.96% reduction. Over the same period, the City's population increased 13.65% from 26,050 to 29,606, making the per-capita emissions trend a reduction of 17.3% per person. The City of Fitchburg's community-wide employment increased 3.83% while GDP increased 13.65% during the same timeframe, clearly indicating economic growth can happen in the City of Fitchburg while GHG emissions decrease.

How Large Are Community wide GHG Emissions?

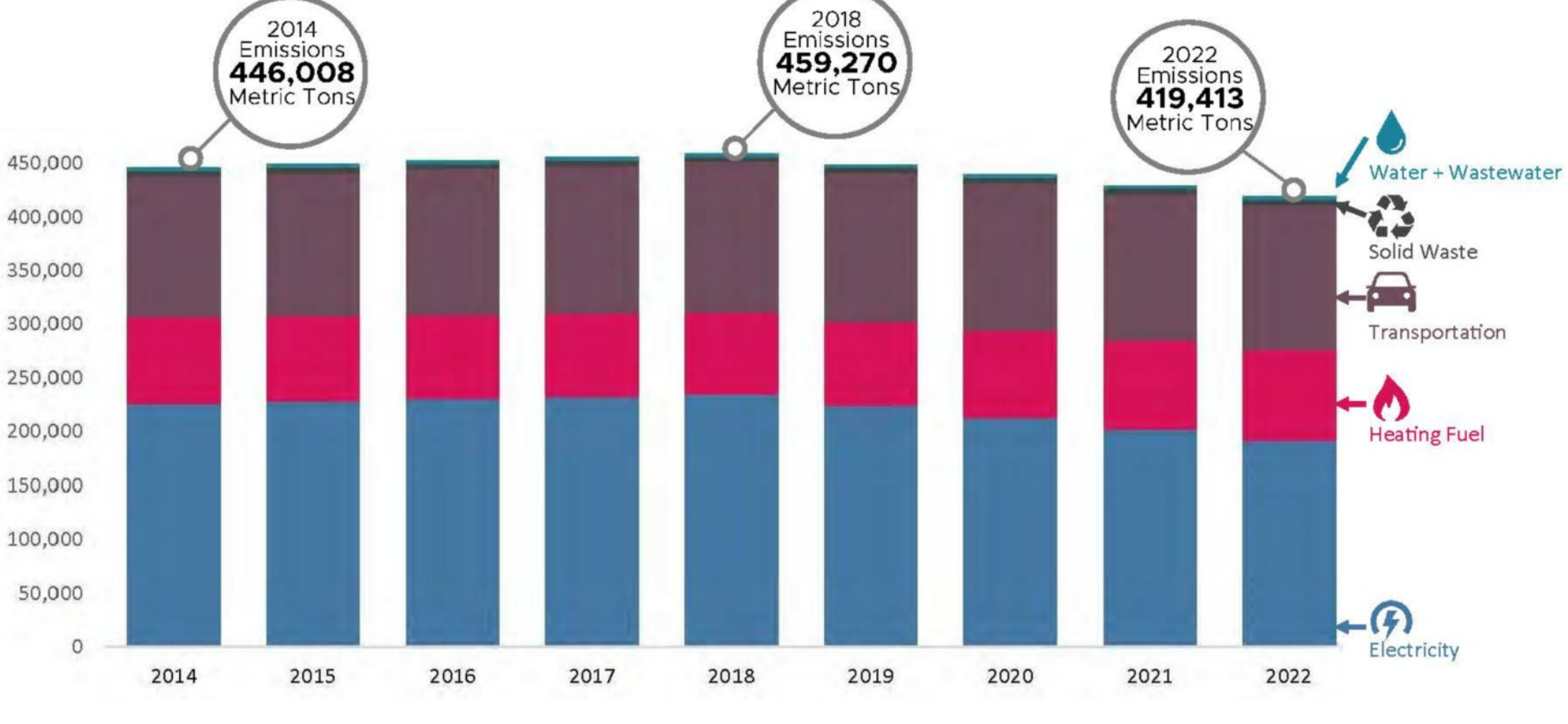
The City's total emissions for 2022 are equal to **8.18 Billion** cubic feet of human-made greenhouse gas. This volume of atmosphere is equal to a cube **2,014** feet on each face viewed here at McKee Road and South Seminole Highway from over **1 3/4** miles away.



Fitchburg Greenhouse Gas Emissions By Sector



Sector Emission Trends



How Does Fitchburg County Stack Up?

The City of Fitchburg total emissions per capita GHG emissions totaled 419,413 metric tons for a per capita GHG emissions average 14.2 metric tons (MT). Of course, this number represents only an average.

How Large is 14.2 Metric Tons?

The City of Fitchburg total emissions per-capita for 2022 are equal to **277,962** cubic feet of human-made greenhouse gas. This volume of atmosphere is equal to a cube **65'** feet on each face:

