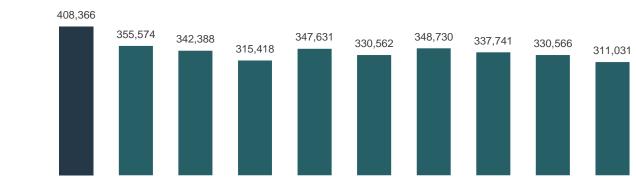
CITY OF COLUMBUS 2021 GREENHOUSE GAS INVENTORY

GOVERNMENT OPERATIONS

KEY TAKEAWAYS

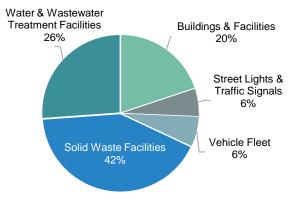
- Whereas the population of Columbus has grown over 22% since 2005 (the benchmark year), total emissions for government operations have decreased nearly 24% over the same time period.
- On a per capita basis, greenhouse gas emissions for government operations have decreased 37% from 2005 levels.
- All sectors show a decrease in emissions from 2020, with the largest changes in street lights and traffic signals—23%—and water and wastewater treatment facilities—10%.
- Solid waste and water and wastewater facilities continue to contribute the most to total emissions for government operations—42% and 26%—respectively.



Government Operations Sector	2005	2013	2014	2015	2016	2017	2018	2019	2020	2021
Buildings & Facilities	87,931	76,431	87,309	79,818	88,451	81,284	86,011	75,347	63,071	61,829
Street Lights & Traffic Signals	29,134	26,749	32,442	31,788	30,471	21,616	25,265	18,733	23,587	17,966
Vehicle Fleet	33,965	30,281	29,459	26,184	23,587	22,564	23,473	23,445	20,141	19,649
Solid Waste Facilities	97,245	97,218	98,597	102,290	108,272	110,308	111,721	122,917	133,148	130,287
Water & Wastewater Treatment Facilities	160,091	124,895	94,582	75,337	96,851	94,790	102,259	97,300	90,619	81,300
Total Emissions (Metric tons CO₂e)	408,366	355,574	342,388	315,418	347,631	330,562	348,730	337,741	330,566	311,031

Government Operations Sector	Percent Change in Total Emissions 2005 - 2021	Percent Change in Emissions per Capita 2005 - 2021		
Buildings & Facilities	-29.7%	-42.5%		
Street Lights & Traffic Signals	-38.3%	-49.6%		
Vehicle Fleet	-42.1%	-52.7%		
Solid Waste Facilities	34.0%	9.5%		
Water & Wastewater Treatment Facilities	-49.2%	-58.5%		
Total Emissions (Metric tons CO₂e)	-23.8%	-37.7%		

Sector Percentage of Total





CITY OF COLUMBUS 2021 GREENHOUSE GAS INVENTORY

COMMUNITY-SCALE

KEY TAKEAWAYS

- Total greenhouse gas emissions across the City have decreased over 14% to the benchmark year of 2013, despite a 13% growth in population during the same time period.
- On a per capita basis, emissions are 24% lower than they were in 2013.
- Transportation continues to be the largest contributor of greenhouse gas emissions for Columbus at 44%, having grown by nearly 19% on a per capita basis from 2020 and 25% since 2013.
- The increase in emissions from 2020 to 2021 for the Industrial sector is primarily due to methodological changes. Analyzing commercial and industrial (C&I) sectors together is a better metric. C&I decreased 6% in total emissions from 2020 levels and almost 48% since 2013.



11.525.831

11,770,076

11.239.037

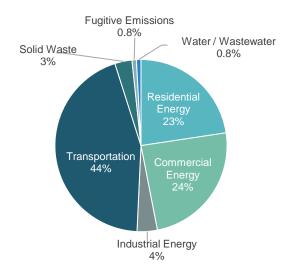
Community Scale Sector		Percent C Total En 2013 to	nissions	Percent Change in Emissions per Capita 2013 to 2021		
Residential Energy		-17.6%		-27.0%		
Commercial (C) Energy	C&I	-52.1%	47.70/	-57.6%	F2 70/	
Industrial (I) Energy	Energy Combined	27.6%	-47.7%	13.0%	-53.7%	
Transportation		41.6%		25.4%		
Solid Waste		24.	7%	10.4%		
Fugitive Emissions		35.	1%	19.6%		
Water/Wastewate	-36.	5%	-43.8%			
Total Emissions	-14.	5%	-24.3%			

11,265,023

12,150,287

Sector Percentage of Total

11.570.896



10.961.105

9.393.744

9,627,789



Total Emissions

(Metric tons CO2e)