

LEXINGTON'S 2021 GREENHOUSE GAS INVENTORIES

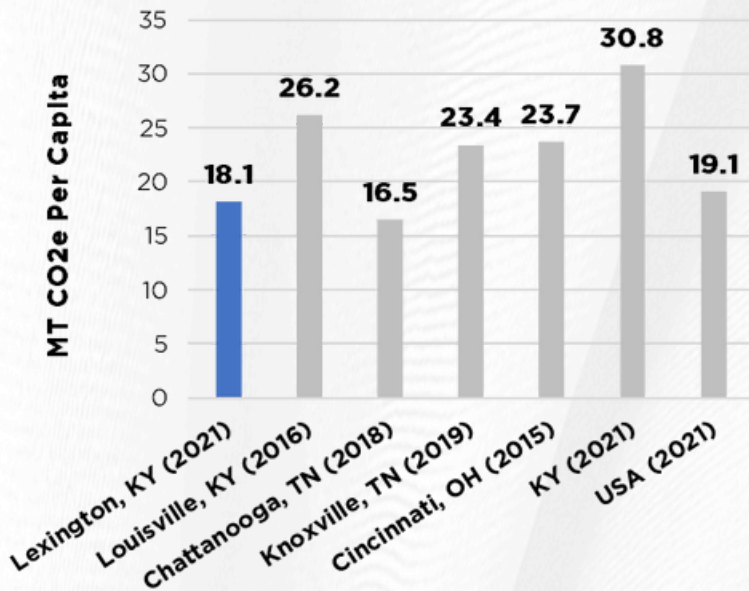
DEFINED

Greenhouse gases (GHGs) are gases in the Earth's atmosphere that trap heat. They allow sunlight to enter the atmosphere but prevent some of the heat that the Earth would normally radiate back into space from escaping.

This phenomenon is essential for maintaining a temperature range on Earth that supports life. However, human activities have significantly increased the concentrations of certain GHGs, contributing to global warming and climate change.

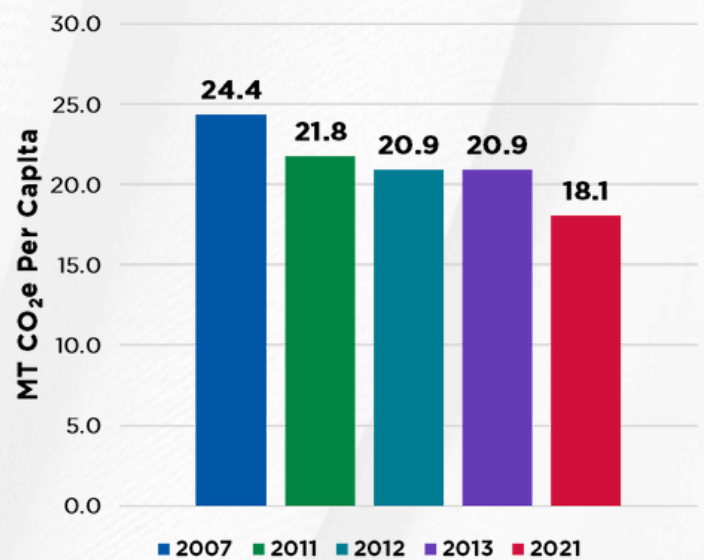
HOW DOES LEXINGTON COMPARE?

Lexington's 18.1 metric tonnes of carbon dioxide equivalents (MT CO₂e) per capita compares favorably to its peers and the rest of the country, but there is still much work to be done.



OVER THE YEARS

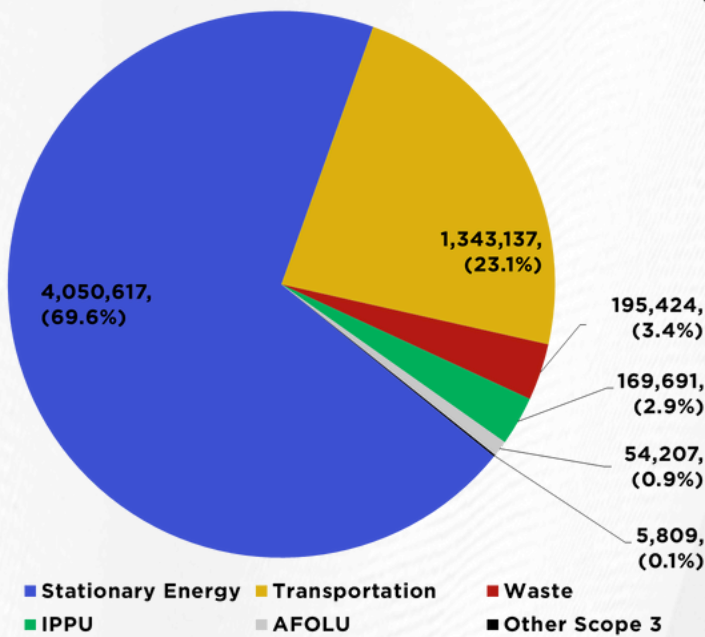
Lexington compiled its first GHG inventory in 2007. Over the years, Lexington has reduced its per capita GHG emissions from 24.4 in 2007 to 18.1 in 2021.



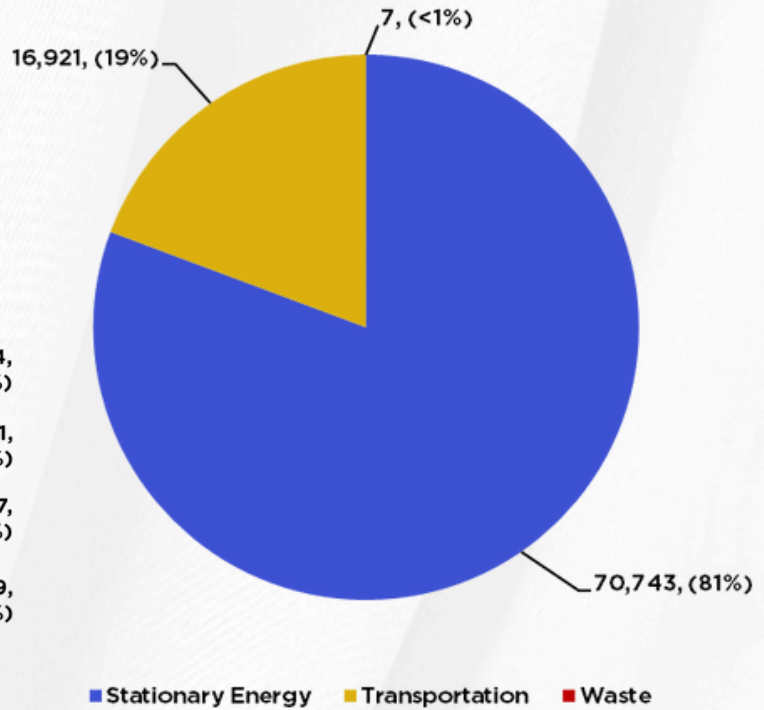
For the full report, please visit lexingtonky.gov/sustainability.

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COMMUNITY-WIDE



MUNICIPAL OPERATIONS



tCO2e	BASIC+	Scope 1	Scope 2	Scope 3
	Stationary Energy	744,112	3,164,120	142,385
	Transportation	1,190,161		152,976
	Waste	79,028		116,396
	IPPU	169,691		
	AFOLU	54,207		
	Other Scope 3			5,809
	TOTAL	5,818,885		

tCO2e	BASIC	Scope 1	Scope 2	Scope 3
	Stationary Energy	5,583	62,226	2,933
	Transportation	16,921		
	Waste			7
	TOTAL	87,671		

It's important to know where our GHG emissions come from so we know where to target our sustainability efforts. Lexington will be developing an Emissions Reduction Plan to evaluate options and focus efforts for emissions reductions projects.

Scope 1 = Emissions in Fayette County
 Scope 2 = Electricity Used in Fayette County
 Scope 3 = Out of Boundary Emissions