

Kane County'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.

Kane County Greenhouse Gas Trends

2010 By The Numbers

GHG Emissions	
Electricity	3,381,680
Natural Gas	1,554,513
Transportation	1,999,012
Waste	281,628
Agriculture	154,812
Total (MT)	7,371,645

Population	516,060
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Employment	194,627
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GDP (\$Billion)	\$21.29
GDP Per-Capita	\$41.27

2019 By The Numbers

GHG Emissions	
Electricity	2,406,129
Natural Gas	1,989,916
Transportation	2,222,807
Waste	224,522
Agriculture	171,729
Total (MT)	7,015,103

Population	532,293
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Employment	218,068
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GDP (\$Billion)	\$25.19
GDP Per-Capita	\$47.33

9 Year Trend

GHG Emissions	
Electricity	-975,551 -28.8%
Natural Gas	435,403 28.0%
Transportation	223,795 11.2%
Waste	-57,106 -20.3%
Agriculture	16,917 10.9%
Total (MT)	-356,542 -4.8%

Population	16,233	3.1%
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Employment	23,441	12.0%
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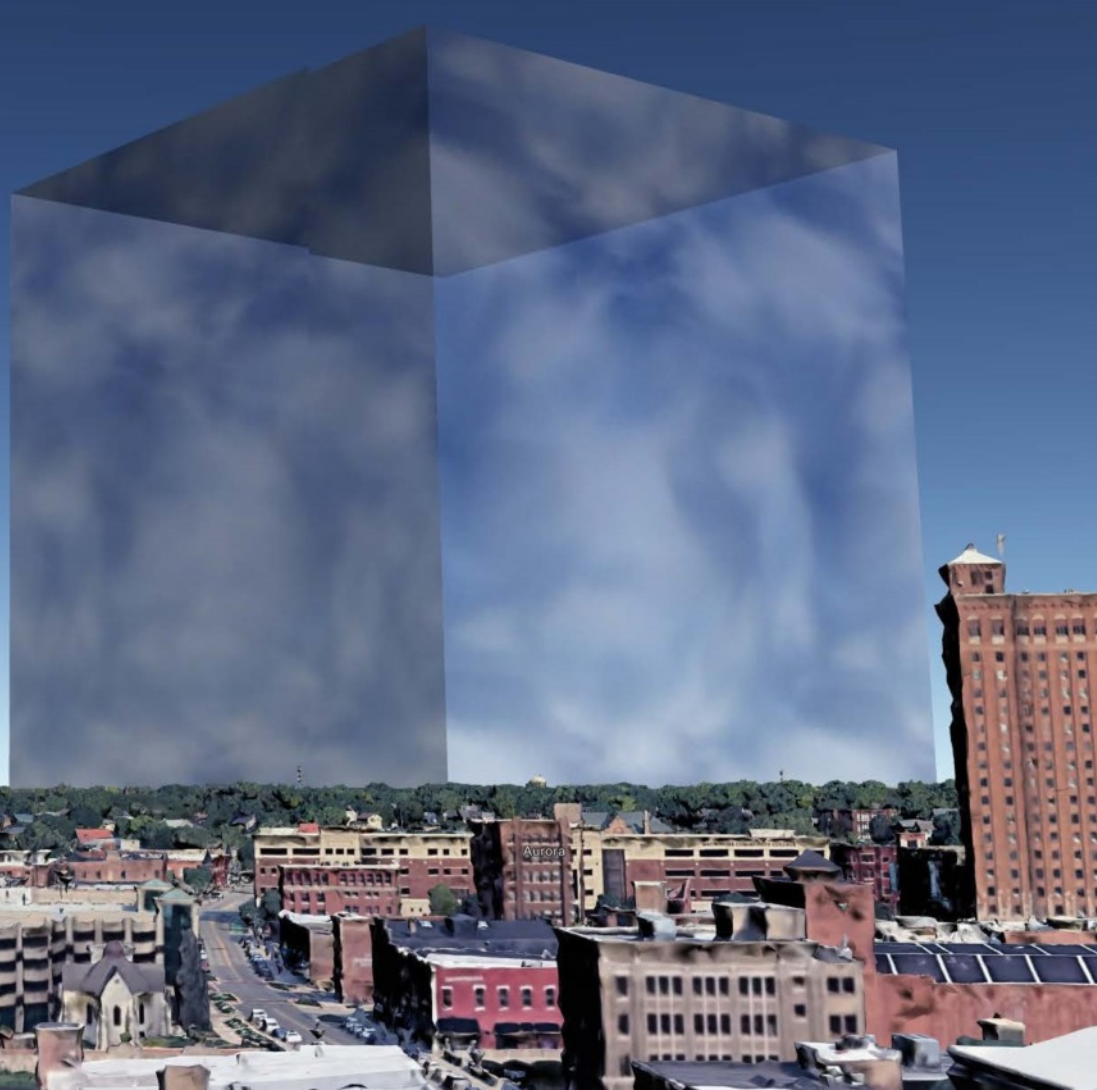
GDP (1000's \$)	\$3.89	18.3%
GDP Per-Capita	\$6.06	14.7%

Kane County's GHG Emissions

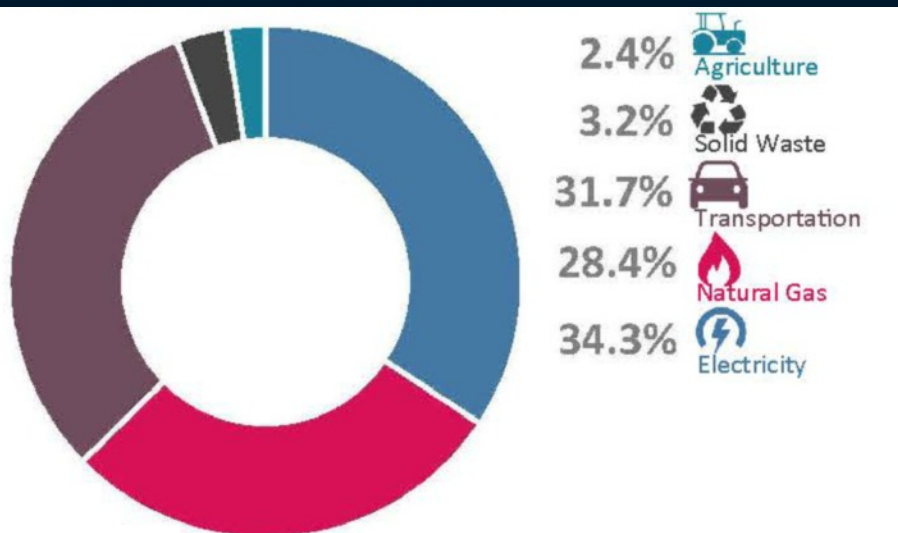
Community wide total emissions for Kane County decreased from 7,371,645 metric tons in 2010 to 7,015,103 metric tons in 2019, a 4.8% total reduction. Over the same period, the county's population increased 3.1% from 516,060 to 532,293, making the per-capita emissions trend a reduction of 7.7% per person. Kane County's employment increased 12% while GDP increased 18.3% during the same timeframe, clearly indicating economic growth can happen in Kane County while GHG emissions decrease.

How Large Are Community-Wide GHG Emissions?

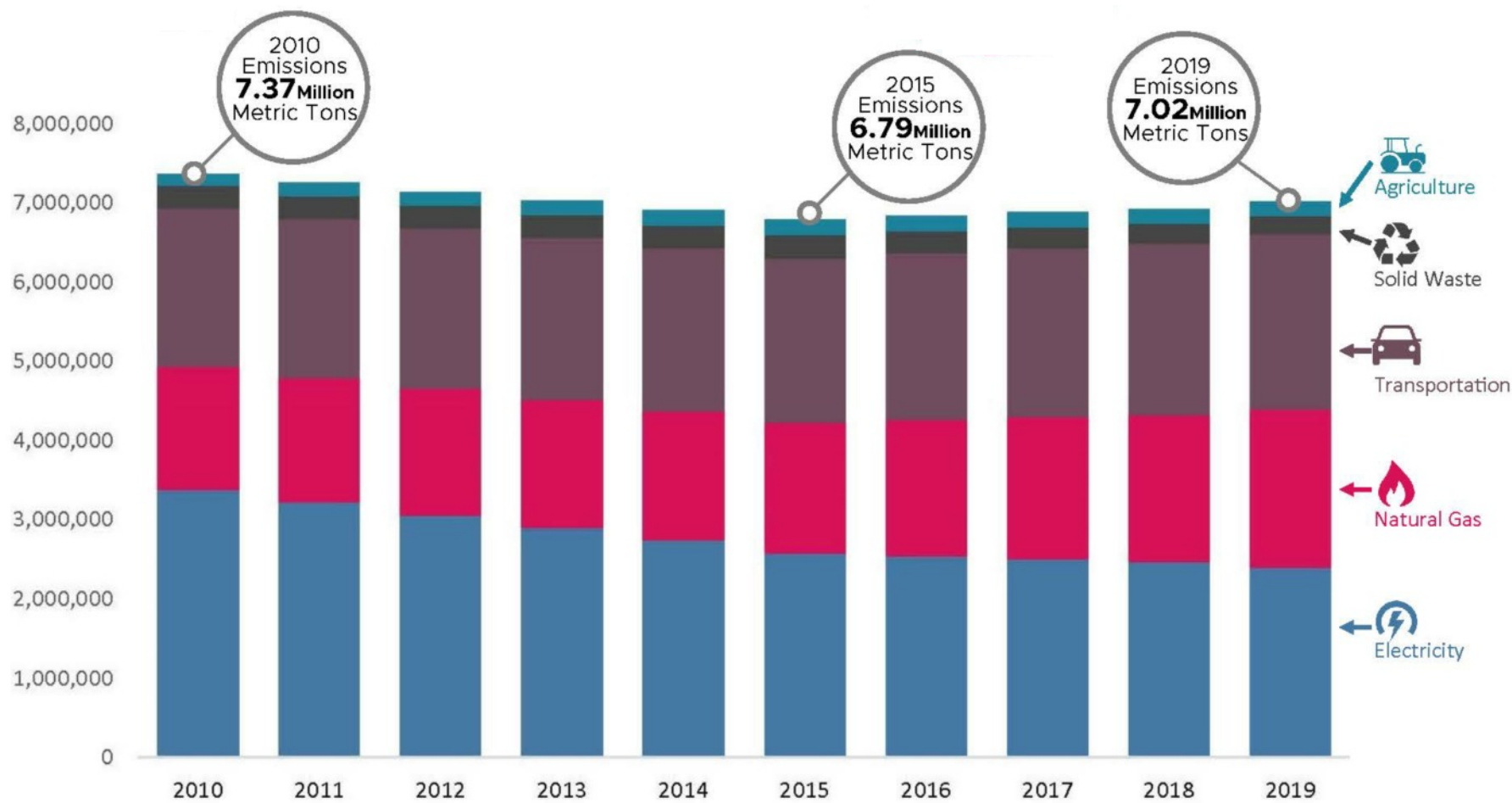
The county's total emissions for 2019 are equal to **137.6 Billion** cubic feet of man-made greenhouse gas. This volume of atmosphere is equal to a cube **5,163** feet on each face viewed here from over **2 1/2 miles** away.



Kane County Greenhouse Gas Emissions By Sector



Sector Emission Trends

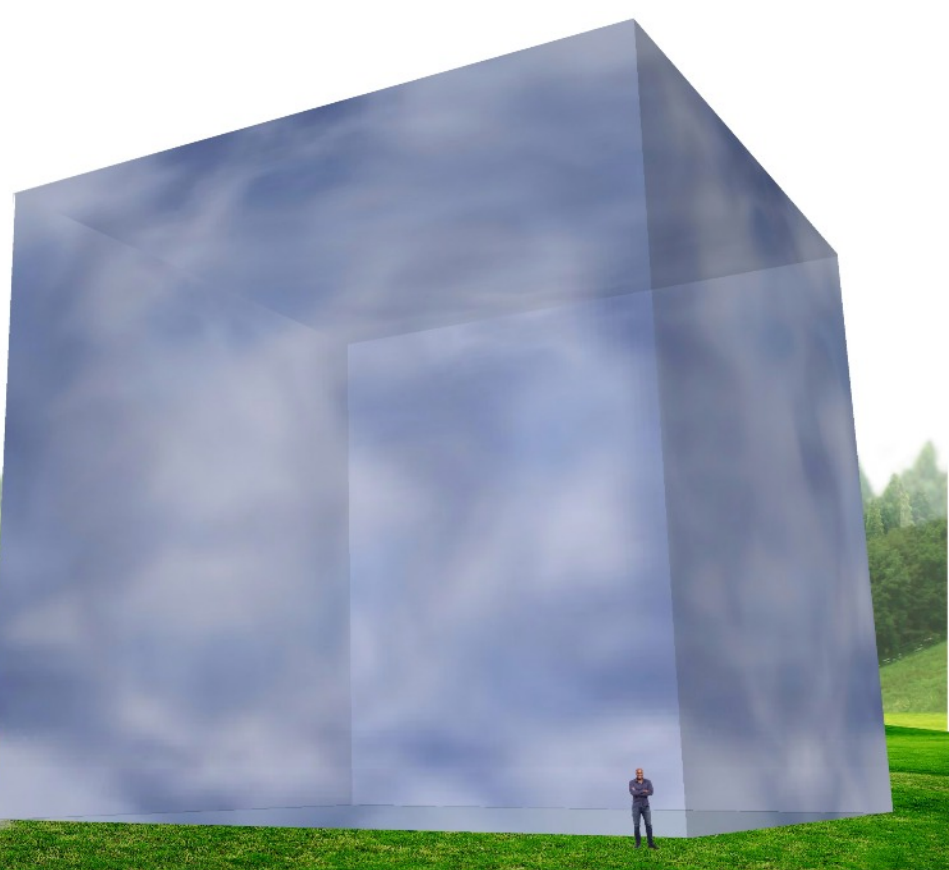


How Does Kane County Stack Up?

Kane County's 2019 community wide emissions totaled 7,015,103 metric tons, for a per capita average of 13.58 metric tons (MT). Of course, this number represents only an average.

How Large is 13.58 Metric Tons?

Kane County's 2019 community wide emissions per-capita are equal to **240,000** cubic feet of man-made greenhouse gas. This volume of atmosphere is equal to a cube **62'** feet on each face.



KANE COUNTY, ILLINOIS
ESTABLISHED JANUARY 16, 1836

Learn More:

<https://cutt.ly/swqCEiOp>

