

# Carpentersville

## 2019 municipal emissions summary

This local emissions summary was developed as part of the 2019 greenhouse gas emissions inventory for northeastern Illinois. The summary is not an exhaustive inventory but captures greenhouse gas emissions from most major sources. It is intended to help decision makers understand key emissions sources and provide communities with the information needed to begin developing emissions reduction plans. For more details on the methods and data sources used to prepare the summary, please refer to the [local emissions summaries methodology](#).

## Community characteristics

Population	37,983
Jobs (full- and part-time)	7,355
Median household income	\$68,997
Share of owner-occupied housing units	70%
Land area (acres)	5,178
Tree coverage*	30%
Impervious surfaces*	37%
Greenest region compact member	Yes

\*percent of land area

## Emissions summary

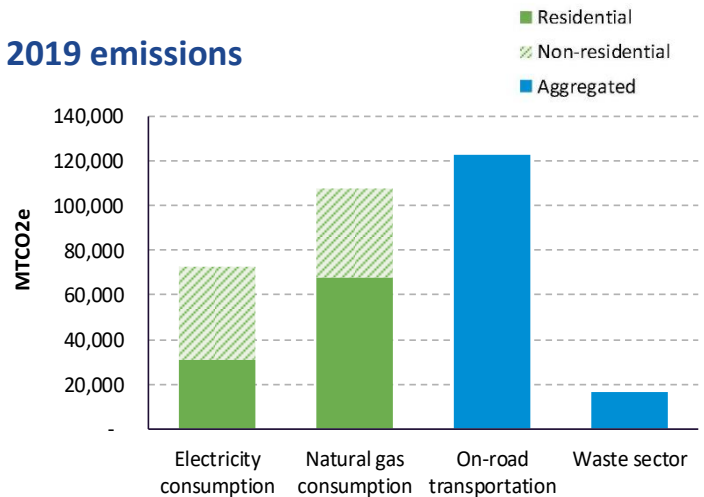


### 2019 emissions summary (MTCO<sub>2</sub>e)

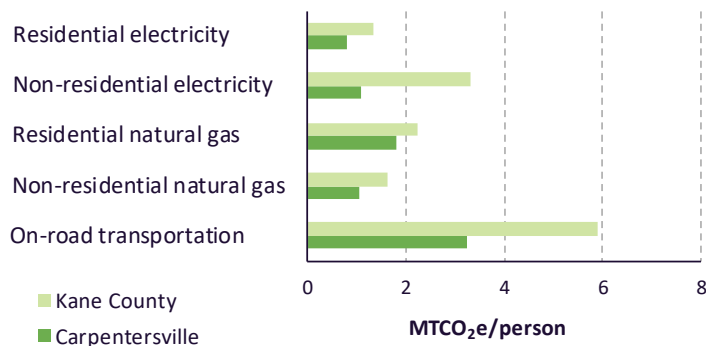
Residential electricity	30,873
Non-residential electricity	41,809
Residential natural gas	67,946
Non-residential natural gas	39,616
On-road transportation	122,801
Waste sector	16,510

MTCO<sub>2</sub>e = metric tons of carbon dioxide equivalent

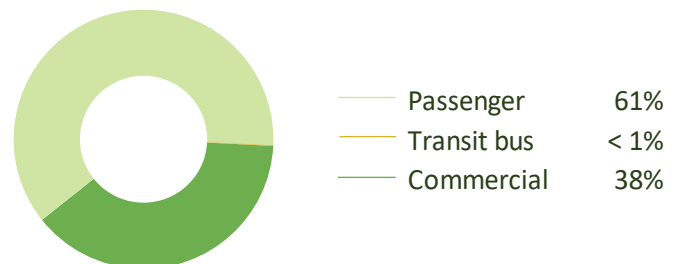
### 2019 emissions



### 2019 per capita emissions



### On-road transportation emissions breakout



## Energy characteristics



### 2019 energy consumption

Residential electricity (kWh)	79,358,256
Non-residential electricity (kWh)	107,469,098
Residential natural gas (MMBtu)	1,279,234
Non-residential natural gas (MMBtu)	745,864

kWh = kilowatt hours; MMBtu = million British thermal unit

### Renewable energy information

Solar potential (megawatts)	9
SolSmart designation	NA

Data not available for all municipalities

### 2019 per capita energy consumption

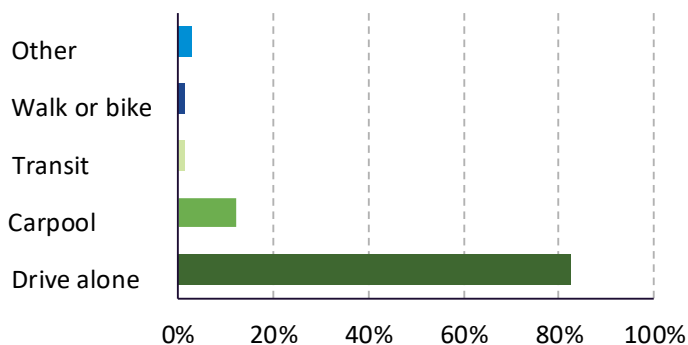
	Carpentersville	Kane County	CMAP Region
Residential electricity (kWh/person)	2,089	3,134	2,844
Non-residential electricity (kWh/person)	2,829	7,489	7,279
Residential natural gas (MMBtu/person)	34	42	38
Non-residential natural gas (MMBtu/person)	20	31	38

kWh = kilowatt hours; MMBtu = million British thermal unit

## Transportation characteristics



### Mode of travel to work



### Electric vehicle information

Electric vehicles	33
Public charging stations: level 2	1
Public charging stations: DC fast	0
Public charging stations: total	1

### Transportation details

	Carpentersville	Kane County	CMAP Region
Vehicles per household	2.2	2.6	2.0
Electric vehicles (% of passenger vehicles)	0.1%	0.2%	0.2%
Share of residents with at least moderate walkability	12%	38%	64%
Share of residents with at least moderate transit access	59%	52%	74%
Residential vehicle miles traveled (per household)	22,836	22,219	17,165

Data are not available for all municipalities