

Buffalo Grove

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	43,212
Jobs (full- and part-time)	16,242
Median household income	\$115,951
Share of owner-occupied housing units	80%
Land area (acres)	6,096
Tree coverage*	27%
Impervious surfaces*	49%
Greenest region compact member	Yes

*percent of land area

Emissions summary

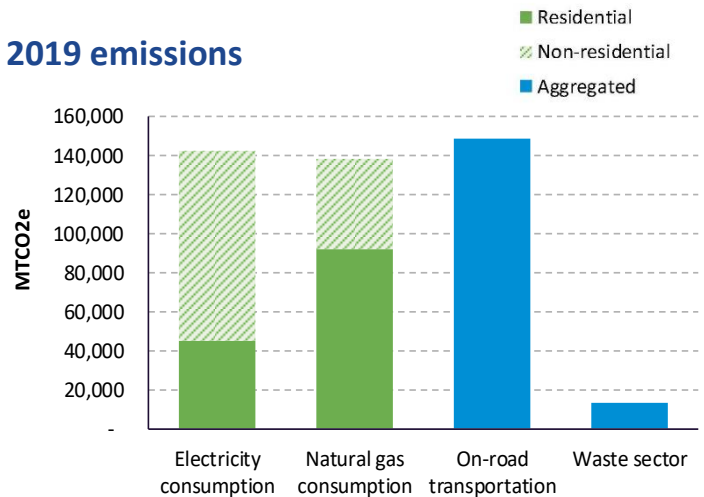


2019 emissions summary (MTCO₂e)

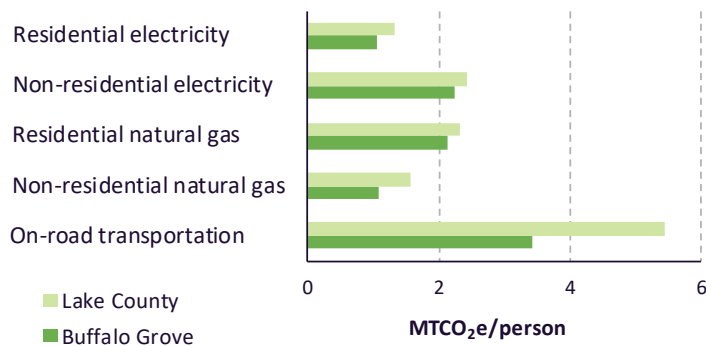
Residential electricity	45,231
Non-residential electricity	97,394
Residential natural gas	92,215
Non-residential natural gas	46,290
On-road transportation	148,561
Waste sector	13,179

MTCO₂e = metric tons of carbon dioxide equivalent

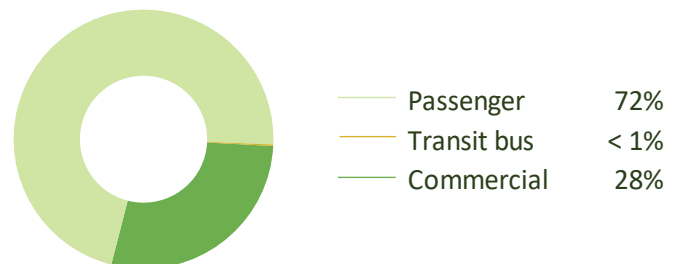
2019 emissions



2019 per capita emissions



On-road transportation emissions breakout



Energy characteristics



2019 energy consumption

Residential electricity (kWh)	116,266,294
Non-residential electricity (kWh)	250,348,230
Residential natural gas (MMBtu)	1,736,153
Non-residential natural gas (MMBtu)	871,511

kWh = kilowatt hours; MMBtu = million British thermal unit

Renewable energy information

Solar potential (megawatts)	215
SolSmart designation	NA

Data not available for all municipalities

2019 per capita energy consumption

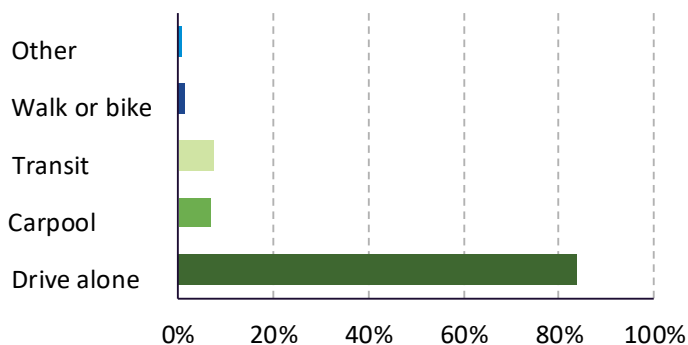
	Buffalo Grove	Lake County	CMAP Region
Residential electricity (kWh/person)	2,691	3,387	2,844
Non-residential electricity (kWh/person)	5,793	6,258	7,279
Residential natural gas (MMBtu/person)	40	44	38
Non-residential natural gas (MMBtu/person)	20	29	38

kWh = kilowatt hours; MMBtu = million British thermal unit

Transportation characteristics



Mode of travel to work



Electric vehicle information

Electric vehicles	174
Public charging stations: level 2	8
Public charging stations: DC fast	0
Public charging stations: total	8

Transportation details

	Buffalo Grove	Lake County	CMAP Region
Vehicles per household	2.0	2.6	2.0
Electric vehicles (% of passenger vehicles)	0.4%	0.4%	0.2%
Share of residents with at least moderate walkability	54%	33%	64%
Share of residents with at least moderate transit access	48%	48%	74%
Residential vehicle miles traveled (per household)	19,538	22,231	17,165

Data are not available for all municipalities