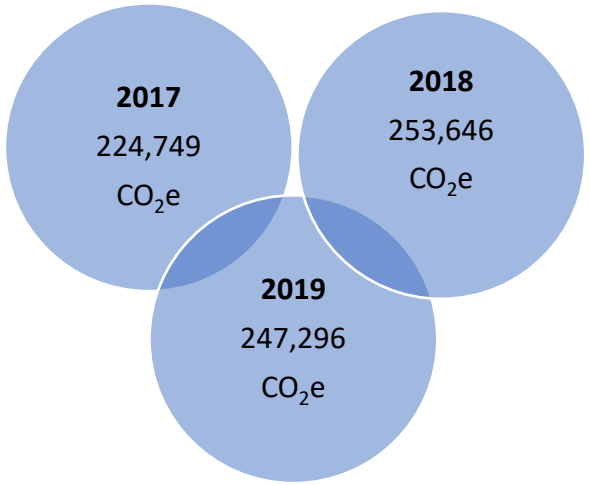
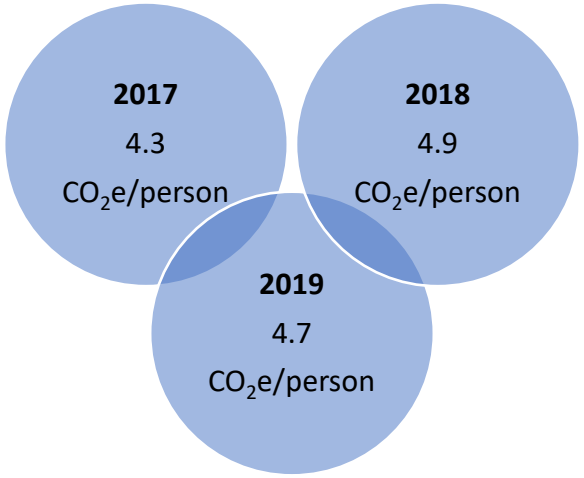
Village of Oak Park 2017-2019 GHG

CO_2 Equivalent

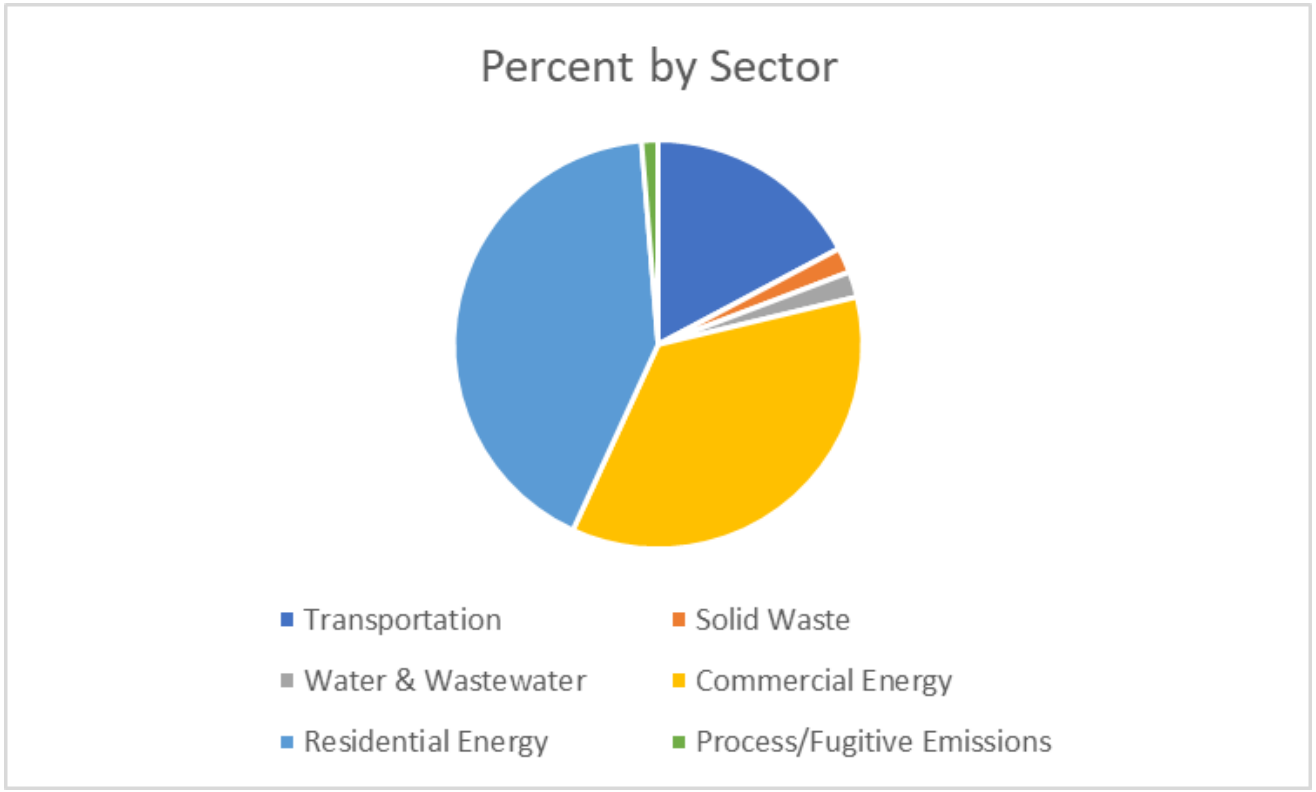


Per Capita



Village of Oak Park	2017	2018	2019
Transportation	38,728	34,238	34,153
Solid Waste	4,486	4,579	4,037
Water & Wastewater	4,564	4,234	4,631
Commercial Energy	80,004	93,294	86,930
Residential Energy	94,018	113,851	111,346
Process/Fugitive Emissions	2,949	3,450	6,199
Total CO2e	**224,749**	**253,646**	**247,296**
VOP CO2e/per capita	4.30	4.85	4.73

Village of Oak Park 2017-2019 GHG



% by Sector			
Transportation	17%	13%	14%
Solid Waste	2%	2%	2%
Water & Wastewater	2%	2%	2%
Commercial Energy	36%	37%	35%
Residential Energy	42%	45%	45%
Process/Fugitive Emissions	1%	1%	3%

What is CO_2 Equivalent & $MMTCO_2e$

CO_2e is GHG emissions in tons, by all types of GHG

- There can be a lot of different GHGs to keep track of. For EPA GHG reporting, we need to track:

- Carbon dioxide
- Methane
- Nitrous Oxide
- Hydrofluorocarbon gases
- Perfluorocarbon gases
- Sulfur Hexafluoride

- Every greenhouse gas has its own **global warming potential** (GWP), which is a measurement of how much heat the GHG can trap within the atmosphere and how much of an environmental impact it is expected to have. Specifically, GWPs determine the ratio of heat trapped by one unit mass of the specific GHG to that of one unit mass of carbon dioxide over a specified time period.
- Use each GHG's individual GWP and use it to translate your air emissions into a common unit that compares and relates all your GHG emissions so you can report them as a single combined quantity. That unit is **CO2e**.

NOTE: For the Chicago Region, Emission Amounts are in Millions of Metric Tons of CO_2 Equivalent ($MMTCO_2e$). Million metric tons of carbon dioxide equivalent or **$MMTCO_2e$** is a measurement unit used by the Environmental Protection Agenda (EPA) to "represent an amount of a [greenhouse gas] whose atmospheric impact has been standardized to that of one unit mass of carbon dioxide (CO_2), based on the global warming potential (GWP)"