

## EXECUTIVE SUMMARY

Monterey County's 2015 Community-wide GHG Inventory totals 1,471,899 metric tons of carbon dioxide equivalent (CO<sub>2</sub>e). This represents a 16 percent increase from the 2005 Baseline Community-wide GHG Inventory. This increase is the result of emission increases across two sectors primarily. It is important to note that while analysis of GHG inventory data every five years can identify the amount of change; this type of analysis does not specifically identify the factors that contribute to the changes and their level of contribution. Certain general factors that are able to be identified are noted below, but it should be understood that these are only general contributing factors and not the sole factors responsible for the total GHG changes. Figure 1 shows the 2005 to 2015 GHG emissions by sector.

In the commercial and industrial sector there was a 23 percent increase in emissions from 2005 to 2015. This is in part due to increases in the yearly emissions reported on by facilities regulated by the California Air Resources Board and located within unincorporated Monterey County. These increases were partly counterbalanced by decreases in the use of PG&E electricity and natural gas. In the solid waste sector, an increase in the actual tonnage of waste sent to landfills located in Unincorporated Monterey (Monterey Peninsula landfill and Johnson Canyon landfill) caused an 81 percent increase in emissions. In the residential sector, emission reductions of 19 percent occurred from 2005 to 2015. This can be attributed, in part, by the specific composition of energy delivered by Pacific Gas & Electric Company (PG&E) to include both more renewable energy and energy generated from large hydro operations in their energy mix during this time period. The transportation sector also achieved a 2 percent reduction from 2005 to 2015. During this period there continued to be an increase in the required fuel efficiency standards, which contributed to this slight decrease.

Figure 1:

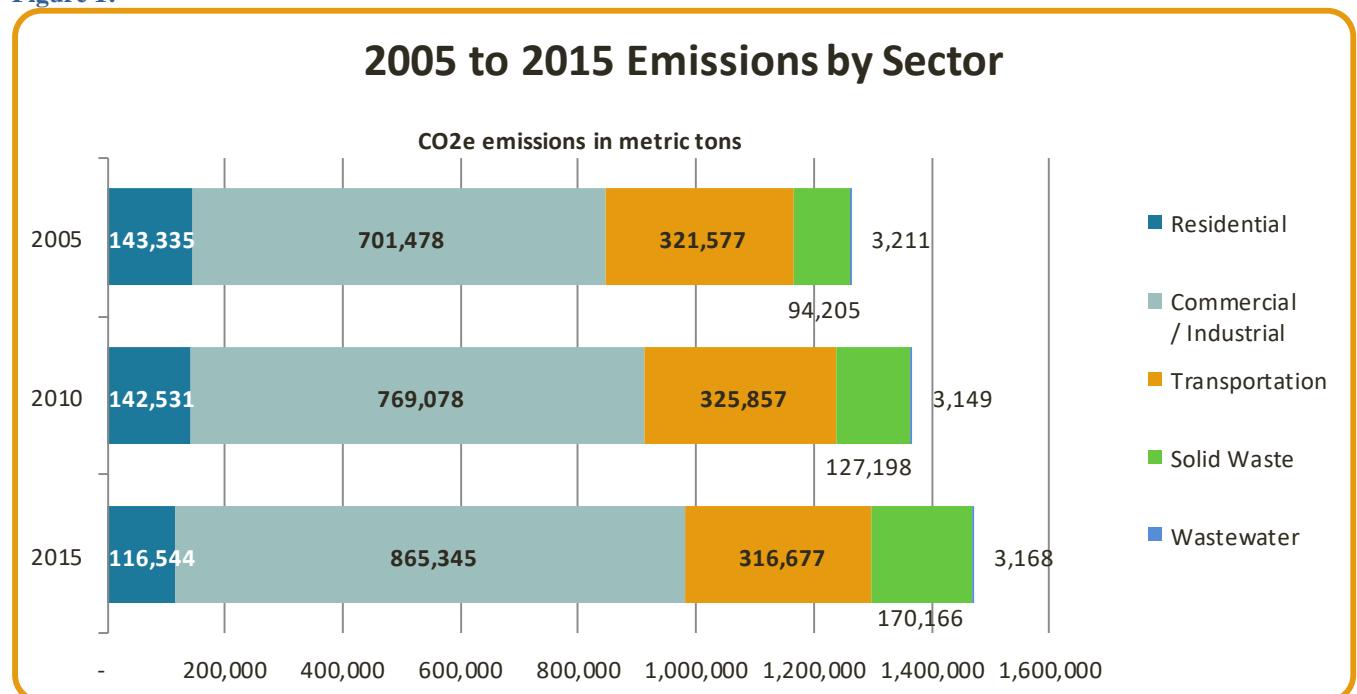


Table 1 summarizes the results of the 2005 Baseline Community-wide GHG Inventory, 2010 Community-wide GHG Inventory and 2015 Community-wide GHG Inventory, broken out by sectors.

**Table 1:**

<b>Community CO2e Emissions by Sector</b>	<b>Residential</b>	<b>Commercial / Industrial</b>	<b>Transportation</b>	<b>Solid Waste</b>	<b>Wastewater</b>	<b>Total</b>
<b>2005</b>	143,335	701,478	321,577	94,205	3,211	1,263,806
<b>2010</b>	142,531	769,078	325,857	127,198	3,149	1,367,813
<b>2015</b>	116,544	865,345	316,677	170,166	3,168	1,471,899
<b>% change 2005- 2015</b>	-19%	23%	-2%	81%	-1%	16%