

## EXECUTIVE SUMMARY

Monterey County's 2015 Community-wide GHG Inventory totals 722,770 metric tons of carbon dioxide equivalent (CO<sub>2</sub>e). This represents a 13 percent reduction from the 2005 Baseline Community-wide GHG Inventory. This decrease is the result of emission reductions 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 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. 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 commercial and industrial sector there was a 57 percent reduction in emissions from 2005 to 2015. This can be attributed, in part, to decreases in electricity and natural gas usage, as well as to policy changes at the state level regarding energy use data access.

Figure 1:

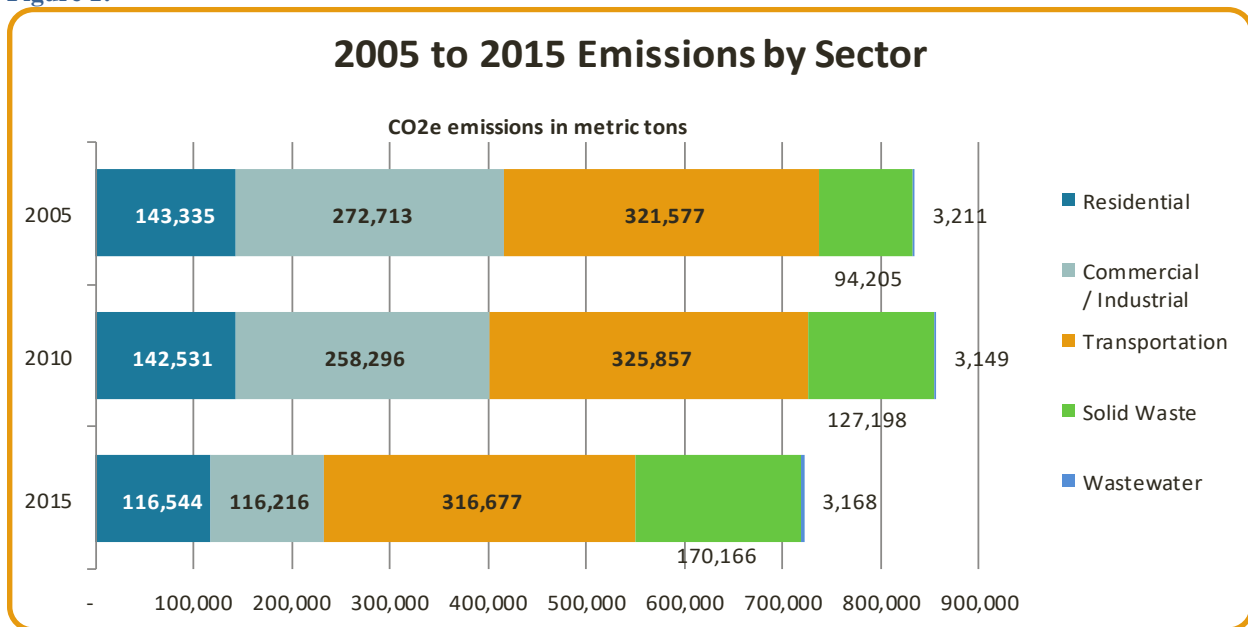


Table 1 summarizes the results of the 2005 Baseline Community-wide GHG Inventory, 2010 Community-wide GHG Inventory and 2015 Community-wide GHG Inventory, broken out by sectors. The percentage change from the 2005 inventory to the 2015 inventory is a reduction of 13 percent.

**Table 1:**

<b>Community CO<sub>2</sub>e 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	272,713	321,577	94,205	3,211	835,041
<b>2010</b>	142,531	258,296	325,857	127,198	3,149	857,031
<b>2015</b>	116,544	116,544	316,677	170,166	3,168	722,770
<b>% change 2005- 2015</b>	-19%	-57%	-2%	81%	-1%	-13%