

ICLEI Baseline Emissions Inventory of Unincorporated Alameda County

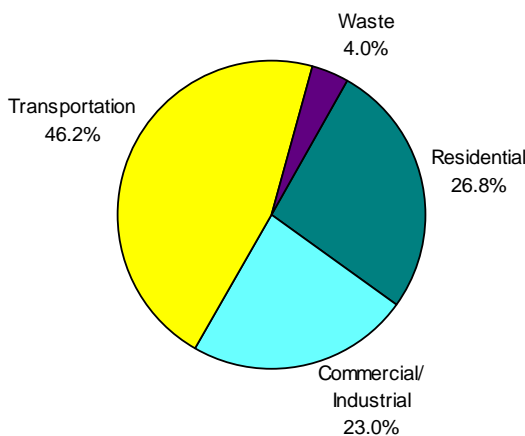
The County's emissions inventory report is in the final stages of development but is not yet available for public review. The following has been extracted from the inventory to help inform the consultants in developing their bid.

The inventory analysis was completed by *ICLEI – Local Governments for Sustainability* in collaboration with County staff StopWaste.org and the local Air Quality Management District. It was completed following the standard greenhouse gas analysis methodology embodied in ICLEI's "International Local Government GHG Emissions Analysis Protocol." Data was provided by County's staff, PG&E, MTC, StopWaste, the Air District, the California Energy Commission, and others.

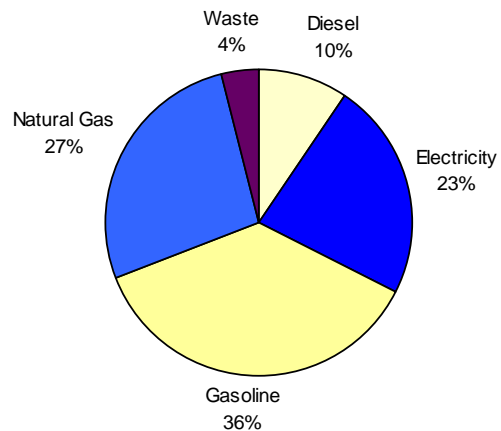
Results of the unincorporated community emissions inventory:

The unincorporated areas of Alameda County emitted approximately 736,579 metric tons of CO₂e in the year 2003.

Community Greenhouse Gas (GHG) Emissions by Sector (2003)



Community Greenhouse Gas Emissions by Source (2003)



2003 Community Emissions by Sector	Residential	Commercial/Industrial	Transportation	Waste	TOTAL
CO ₂ e (metric tons)	197,216	169,578	340,574	29,211	736,579
Energy Equivalent (MMBtu)	3,173,069	2,570,639	4,596,640	0	10,340,348

Analysis Notes:

- Transportation
 - The majority of transportation emissions came from gasoline powered personal vehicles
 - Emissions from State highways and intercity rail were not included
 - Total Vehicle Miles Traveled on local roadways 614,915,500
- Residential
 - 140,648 residents lived in the unincorporated County's in 2003
 - 278.7 million kWh of electricity and 22.2 million therms of natural gas were consumed
- Commercial/Industrial
 - Due to the PUC's 15/15 privacy rules, emissions from the commercial and industrial sectors were aggregated
 - 325.2 million kWh of electricity and 14.6 million therms of natural gas were consumed

- Fugitive emissions (emissions that result as a byproduct of industrial processes) and direct access electricity/fuels purchases were not included
- Waste
 - 95,708 U.S. tons of solid waste and 20,198 U.S. tons of alternative daily cover were sent to area landfills.
 - A 60% methane recovery factor was assumed
 - Potential carbon sequestration within the landfill itself was not included

Waste Type	Municipal Solid Waste					Alternative Daily Cover		TOTAL
	Paper Products	Food Waste	Plant Debris	Wood/ Textiles	All Other	Organic Waste	Non organic	
CO ₂ e (metric tons)	14,852	3,363	2,573	6,578	0	1,845	0	29,211
Total Waste Disposal (U.S. tons)	19,142	7,657	10,336	29,957	28,617	7,404	12,794	115,907

Unincorporated Community Emissions Forecast:

Under a business-as-usual scenario, emissions from unincorporated Alameda County will grow by approximately 21.5% (to 895,285 metric tons CO₂e) between 2003 and 2020. This is based on projected populations and job growth, as well as estimated increases in the vehicle miles traveled on local roadways.

Figure 3 – Community Emissions Forecast

