

California Greenhouse Gas Inventory for 2000-2009
— by Category as Defined in the Scoping Planmillion tonnes of CO₂ equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Transportation	171.71	174.79	181.28	179.39	183.18	186.07	186.64	187.08	177.97	172.92
On Road	159.34	162.16	168.61	166.42	169.64	171.14	171.43	172.45	164.27	160.14
Passenger Vehicles	126.85	129.28	135.63	133.06	134.64	134.81	134.70	134.92	129.44	127.75
Heavy Duty Trucks	32.49	32.88	32.98	33.36	35.00	36.33	36.73	37.53	34.83	32.39
Ships & Commercial Boats	3.27	3.04	3.33	3.49	3.48	3.75	3.81	3.78	3.69	3.48
Aviation (Intrastate)	3.84	3.64	3.92	3.77	4.27	4.74	4.90	5.13	5.09	4.99
Rail	1.86	1.87	2.48	2.83	2.89	3.32	3.50	3.15	2.56	1.94
Unspecified	3.41	4.08	2.94	2.88	2.90	3.11	3.00	2.56	2.36	2.38
Electric Power	105.96	122.90	109.70	113.69	116.27	109.02	105.72	115.08	121.22	103.58
In-State Generation	60.07	63.89	50.75	49.14	50.24	46.21	51.04	55.28	55.40	55.53
Natural Gas	51.06	55.44	42.16	40.94	42.41	38.21	43.21	47.20	48.07	48.90
Other Fuels	6.92	6.38	6.39	6.02	5.62	5.81	5.66	5.90	5.17	5.28
Fugitive and Process Emissions	2.08	2.06	2.20	2.19	2.21	2.19	2.16	2.19	2.16	1.36
Imported Electricity	45.90	59.01	58.96	64.55	66.02	62.80	54.68	59.80	65.82	48.05
Unspecified Imports	14.27	25.42	26.92	32.05	32.90	30.02	27.96	32.72	37.92	14.99
Specified Imports	31.63	33.59	32.04	32.50	33.12	32.78	26.72	27.07	27.90	33.06
Commercial and Residential	42.92	40.99	42.96	41.32	42.67	41.04	41.66	41.92	41.54	42.95
Residential Fuel Use	30.12	28.61	28.77	28.31	29.34	28.08	28.40	28.60	28.13	28.61
Natural Gas	28.51	27.34	27.45	26.58	27.29	25.89	26.47	26.64	25.79	26.30
Other Fuels	1.61	1.27	1.32	1.72	2.04	2.19	1.93	1.96	2.34	2.32
Commercial Fuel Use	11.69	11.32	13.12	12.76	12.71	12.56	12.84	12.83	13.03	13.41
Natural Gas	10.24	10.07	11.86	11.34	11.13	10.90	11.58	11.45	11.22	11.41
Other Fuels	1.45	1.25	1.26	1.41	1.59	1.66	1.26	1.38	1.82	2.00
Commercial Cogeneration Heat Output	1.11	1.05	1.07	0.26	0.62	0.40	0.42	0.49	0.37	0.92
Industrial	96.62	93.34	94.29	91.58	93.49	92.75	92.31	89.78	87.09	81.36
Refineries	29.30	29.83	29.98	30.63	29.80	30.93	32.05	31.68	31.18	28.71
General Fuel Use	22.57	21.04	22.46	18.61	19.05	18.16	18.00	16.95	16.59	17.18
Natural Gas	17.12	14.58	15.14	11.93	12.76	12.68	12.35	11.52	10.83	11.05
Other Fuels	5.45	6.46	7.32	6.68	6.29	5.47	5.65	5.43	5.76	6.13
Oil & Gas Extraction [1]	17.60	17.03	15.86	16.82	16.48	15.35	13.98	14.60	13.95	13.40
Fuel Use	16.91	16.19	15.13	16.08	16.11	15.00	13.21	13.80	13.16	12.61
Fugitive Emissions	0.69	0.83	0.73	0.74	0.37	0.35	0.77	0.80	0.79	0.79
Cement Plants	9.40	9.50	9.60	9.70	9.80	9.90	9.73	9.13	8.64	5.72
Clinker Production	5.43	5.52	5.60	5.68	5.77	5.85	5.80	5.55	5.31	3.60
Fuel Use	3.96	3.98	4.00	4.02	4.03	4.05	3.93	3.58	3.33	2.12
Cogeneration Heat Output	11.96	10.60	10.71	10.68	13.00	12.52	12.27	11.23	10.50	10.22
Other Fugitive and Process Emissions	5.78	5.34	5.68	5.13	5.36	5.89	6.28	6.19	6.23	6.12
Recycling and Waste	6.55	6.65	6.61	6.71	6.68	7.00	7.09	7.06	7.26	7.32
Landfills [2]	6.13	6.21	6.14	6.23	6.17	6.47	6.54	6.49	6.66	6.70
Composting	0.42	0.44	0.46	0.48	0.51	0.53	0.55	0.57	0.60	0.62

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High GWP	10.76	11.29	11.89	12.59	13.34	13.88	14.54	14.81	15.77	16.32
Ozone Depleting Substance (ODS) Substitutes	8.55	9.25	10.02	10.77	11.53	12.14	12.71	13.08	13.95	14.51
Electricity Grid SF6 Losses [3]	1.25	1.24	1.16	1.14	1.13	1.12	1.07	1.01	1.03	1.03
Semiconductor Manufacturing [2]	0.97	0.80	0.71	0.68	0.68	0.62	0.76	0.73	0.78	0.78
Agriculture [4]	28.95	29.10	32.26	30.67	32.34	32.61	33.75	32.91	33.68	32.13
Livestock	16.43	17.10	17.63	16.27	17.58	18.19	18.52	19.72	19.90	19.64
Enteric Fermentation (Digestive Process)	8.24	8.40	8.65	8.32	8.68	8.97	9.05	9.47	9.45	9.30
Manure Management	8.18	8.69	8.98	7.95	8.90	9.22	9.47	10.26	10.45	10.35
Crop Growing & Harvesting	8.70	8.20	10.26	10.05	10.26	9.82	9.92	9.40	9.91	9.84
Fertilizers	7.25	6.96	8.87	8.67	8.80	8.38	8.30	7.97	8.53	8.44
Soil Preparation and Disturbances	1.37	1.18	1.34	1.31	1.40	1.37	1.55	1.36	1.31	1.32
Crop Residue Burning	0.08	0.06	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.07
General Fuel Use	3.82	3.81	4.37	4.35	4.50	4.60	5.30	3.78	3.87	2.65
Diesel	2.51	2.68	3.02	3.09	3.15	3.38	3.85	2.66	2.98	1.77
Natural Gas	1.00	0.75	0.94	0.85	0.82	0.69	0.88	0.79	0.72	0.70
Gasoline	0.31	0.38	0.41	0.41	0.52	0.52	0.57	0.33	0.17	0.17
Other Fuels	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Forestry	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Wildfire (CH₄ & N₂O Emissions)	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Total Gross Emissions	463.65	479.25	479.18	476.14	488.16	482.54	481.89	488.83	484.72	456.77
Forestry Net Emissions	-4.49	-4.30	-4.16	-4.16	-4.16	-4.03	-3.87	-3.94	-3.84	-3.80
Total Net Emissions	459.17	474.95	475.02	471.98	484.00	478.52	478.02	484.89	480.88	452.97

[1] Reflects emissions from combustion of natural gas, diesel, and lease fuel plus fugitive emissions

[2] These categories are listed in the Industrial sector of ARB's GHG Emission Inventory sectors

[3] This category is listed in the Electric Power sector of ARB's GHG Emission Inventory sectors

[4] Reflects use of updated USEPA models for determining emissions from livestock and fertilizers