

California Greenhouse Gas Inventory for 2000-2008
— 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
Transportation	171.13	173.71	180.36	178.03	181.71	184.32	184.11	183.84	174.99
On Road	159.40	161.69	168.40	166.17	169.22	170.82	170.49	170.79	163.30
Passenger Vehicles	126.91	129.25	135.43	132.83	134.24	134.51	133.80	133.34	128.51
Heavy Duty Trucks	32.49	32.45	32.97	33.34	34.98	36.31	36.68	37.45	34.79
Ships & Commercial Boats	3.77	3.56	3.87	4.04	4.06	4.36	4.45	4.38	4.32
Aviation (Intrastate)	2.68	2.50	2.66	2.59	2.64	2.70	2.68	2.96	2.42
Rail	1.86	1.87	2.48	2.41	2.89	3.32	3.50	3.15	2.52
Unspecified	3.41	4.08	2.94	2.81	2.90	3.11	3.00	2.56	2.44
Electric Power	103.92	120.62	106.49	109.89	119.96	110.98	107.66	111.10	116.35
In-State Generation	59.93	63.86	50.87	49.08	57.40	51.75	56.28	55.16	55.12
Natural Gas	51.06	55.55	42.42	41.01	48.66	43.21	47.62	47.20	48.07
Other Fuels	8.87	8.31	8.45	8.07	8.74	8.54	8.67	7.96	7.05
Imported Electricity	43.99	56.76	55.62	60.81	62.56	59.22	51.38	55.94	61.24
Unspecified Imports	13.83	24.69	25.42	30.21	31.32	28.44	26.40	30.57	35.19
Specified Imports	30.16	32.07	30.19	30.60	31.24	30.78	24.98	25.37	26.05
Commercial and Residential	42.93	41.02	43.79	41.38	42.54	40.79	41.47	41.83	43.13
Residential Fuel Use	30.13	28.62	29.35	28.31	29.34	28.08	28.46	28.61	28.45
Natural Gas	28.52	27.34	28.03	26.59	27.30	25.89	26.52	26.65	26.10
Other Fuels	1.61	1.27	1.32	1.72	2.04	2.19	1.93	1.96	2.35
Commercial Fuel Use	11.69	11.32	13.37	12.81	12.71	12.56	12.84	12.73	14.31
Natural Gas	10.24	10.07	12.11	11.34	11.13	10.90	11.58	11.35	12.51
Other Fuels	1.45	1.25	1.26	1.46	1.59	1.66	1.26	1.38	1.80
Commercial Cogeneration Heat Output	1.11	1.07	1.08	0.26	0.49	0.15	0.17	0.49	0.37
Industrial	97.27	94.70	96.73	96.14	90.87	90.72	90.47	93.82	92.66
Refineries	33.25	33.07	33.87	34.80	34.06	35.31	36.09	36.07	35.65
General Fuel Use	18.76	17.87	19.53	16.39	16.28	14.80	15.17	14.78	14.82
Natural Gas	13.82	11.92	12.80	10.26	10.53	9.86	9.90	9.76	9.14
Other Fuels	4.94	5.94	6.73	6.13	5.76	4.93	5.27	5.02	5.69
Oil & Gas Extraction [1]	18.41	18.45	17.37	19.51	19.31	18.01	16.48	16.52	17.04
Fuel Use	17.72	17.62	16.64	18.78	18.94	17.66	15.72	15.75	16.27
Fugitive Emissions	0.69	0.83	0.73	0.74	0.37	0.35	0.77	0.77	0.78
Cement Plants	9.41	9.51	9.61	9.72	9.82	9.92	9.75	9.17	8.61
Clinker Production	5.43	5.52	5.60	5.68	5.77	5.85	5.80	5.55	5.31
Fuel Use	3.97	4.00	4.01	4.03	4.05	4.07	3.95	3.62	3.30
Cogeneration Heat Output	11.96	10.69	10.84	10.79	6.19	6.91	6.90	11.22	10.47
Other Process Emissions	5.49	5.11	5.50	4.94	5.22	5.78	6.08	6.07	6.06
Recycling and Waste	6.20	6.28	6.21	6.29	6.23	6.52	6.59	6.53	6.71
Landfills [2]	6.20	6.28	6.21	6.29	6.23	6.52	6.59	6.53	6.71

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High GWP	10.95	11.34	11.97	12.75	13.57	14.23	14.92	15.27	15.65
<i>Ozone Depleting Substance (ODS) Substitutes</i>	<i>8.55</i>	<i>9.30</i>	<i>10.12</i>	<i>10.92</i>	<i>11.74</i>	<i>12.41</i>	<i>13.05</i>	<i>13.47</i>	<i>13.89</i>
<i>Electricity Grid SF6 Losses [3]</i>	<i>1.14</i>	<i>1.15</i>	<i>1.07</i>	<i>1.05</i>	<i>1.05</i>	<i>1.04</i>	<i>1.00</i>	<i>0.97</i>	<i>0.96</i>
<i>Semiconductor Manufacturing [2]</i>	<i>1.26</i>	<i>0.89</i>	<i>0.78</i>	<i>0.78</i>	<i>0.78</i>	<i>0.78</i>	<i>0.87</i>	<i>0.84</i>	<i>0.80</i>
Agriculture [4]	25.44	25.37	28.42	28.49	28.82	28.99	29.90	28.26	28.06
Livestock	13.61	14.10	14.56	14.88	14.81	15.36	15.63	15.96	16.28
Enteric Fermentation (Digestive Process)	7.49	7.64	7.86	7.97	7.97	8.26	8.33	8.52	8.70
Manure Management	6.12	6.47	6.70	6.91	6.84	7.10	7.30	7.44	7.58
Crop Growing & Harvesting	8.01	7.46	9.48	9.41	9.51	9.03	9.08	8.53	7.95
Fertilizers	6.55	6.21	8.06	8.02	8.03	7.58	7.44	7.08	6.72
Soil Preparation and Disturbances	1.37	1.18	1.34	1.31	1.41	1.37	1.56	1.36	1.15
Crop Residue Burning	0.09	0.07	0.07	0.08	0.07	0.08	0.08	0.09	0.09
General Fuel Use	3.82	3.81	4.39	4.20	4.50	4.60	5.19	3.78	3.82
Diesel	2.51	2.68	3.02	2.94	3.15	3.38	3.85	2.66	2.93
Natural Gas	1.00	0.75	0.95	0.85	0.82	0.69	0.77	0.79	0.72
Gasoline	0.31	0.38	0.40	0.41	0.52	0.52	0.57	0.32	0.17
Other Fuels	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Forestry	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
<i>Wildfire (CH₄ & N₂O Emissions)</i>	<i>0.19</i>	<i>0.19</i>	<i>0.19</i>	<i>0.19</i>	<i>0.19</i>	<i>0.19</i>	<i>0.19</i>	<i>0.19</i>	<i>0.19</i>
Total Gross Emissions	458.03	473.23	474.15	473.15	483.88	476.73	475.31	480.85	477.74
Forestry Net Emissions	-4.72	-4.53	-4.40	-4.33	-4.32	-4.17	-4.04	-4.07	-3.98
Total Net Emissions	453.31	468.69	469.75	468.82	479.56	472.56	471.27	476.77	473.76

[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