

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Electricity Generation (In State)	58.70	62.74	49.44	47.81	48.93	44.83	49.63	53.90	54.10	53.09	46.53	40.91	50.82	49.12	51.37	49.50	42.04
<i>CHP: Commercial</i>	0.73	0.67	0.76	0.86	0.69	0.73	0.71	0.77	0.76	1.05	0.79	0.86	0.62	0.84	0.88	1.16	0.77
<i>CHP: Industrial</i>	18.07	16.60	20.14	17.67	15.22	14.71	13.77	13.72	13.56	14.72	12.51	13.78	12.49	12.80	13.84	11.64	11.04
<i>Merchant Owned</i>	32.81	38.72	23.65	23.91	27.39	23.01	26.09	29.13	28.65	27.26	21.27	15.09	24.10	22.43	23.39	22.71	17.39
<i>Utility Owned</i>	7.09	6.75	4.89	5.37	5.63	6.38	9.05	10.27	11.13	10.06	11.97	11.18	13.61	13.06	13.26	14.00	12.83
Electricity Generation (Imports)	45.67	58.72	58.67	64.25	65.73	62.50	54.43	59.53	65.51	47.89	43.43	46.70	43.91	39.89	36.37	33.60	26.17
<i>Specified Imports</i>	31.47	33.42	31.88	32.34	32.95	32.62	26.59	26.94	27.76	32.91	29.99	31.20	26.45	28.07	22.95	22.40	16.50
<i>Unspecified Imports</i>	14.20	25.31	26.80	31.91	32.78	29.89	27.84	32.59	37.75	14.98	13.44	15.51	17.46	11.81	13.42	11.20	9.67
Transportation	173.39	174.09	181.08	178.59	180.65	182.61	182.87	183.15	172.74	165.93	160.75	157.41	157.33	157.12	158.64	162.59	165.87
<i>Aviation</i>	4.17	3.99	4.13	4.21	4.45	4.45	4.52	4.93	4.46	3.99	3.81	3.70	3.72	3.89	3.87	4.18	4.40
<i>Not Specified Transportation</i>	1.98	1.89	1.93	1.85	1.89	2.01	2.05	1.84	2.08	1.65	2.09	1.72	1.71	1.77	2.03	2.06	2.06
<i>Off Road</i>	2.62	2.78	2.76	2.83	3.02	3.21	3.30	3.17	2.81	2.24	2.03	2.13	2.23	2.33	2.43	2.52	2.62
<i>On Road</i>	157.25	158.12	164.50	161.55	162.95	164.16	164.00	164.36	155.03	150.67	146.95	143.99	143.88	143.35	144.47	148.04	151.20
<i>Rail</i>	2.52	2.57	2.65	2.79	2.90	3.02	3.09	2.87	2.60	2.14	2.23	2.37	2.38	2.37	2.37	2.38	2.36
<i>Water-borne</i>	4.85	4.74	5.12	5.36	5.44	5.77	5.91	6.00	5.76	5.23	3.65	3.50	3.42	3.41	3.47	3.41	3.22
Industrial	88.26	86.41	87.38	86.75	89.18	86.97	84.22	81.16	81.49	79.02	82.43	81.93	82.26	84.74	84.88	82.43	80.45
<i>CHP: Industrial</i>	11.63	10.42	10.61	10.55	12.85	12.34	12.09	11.08	10.34	12.49	12.55	11.09	10.76	10.94	9.59	8.92	7.94
<i>Manufacturing</i>	27.36	26.41	28.30	24.72	25.11	24.18	24.37	22.45	23.14	20.00	21.95	23.38	24.17	24.88	25.14	24.68	23.95
<i>Mining</i>	0.86	0.31	0.31	0.34	0.36	0.34	0.11	0.16	0.19	0.14	0.15	0.15	0.17	0.16	0.15	0.15	0.16
<i>Not Specified Industrial</i>	1.98	1.86	1.94	1.83	1.86	1.86	1.87	1.93	1.86	1.73	1.75	1.67	1.58	1.79	1.92	1.95	1.96
<i>Oil & Gas: Production & Processing</i>	17.64	17.88	16.63	19.15	19.32	18.04	15.89	15.93	17.21	16.09	15.20	15.14	15.15	17.33	17.60	17.68	16.01
<i>Petroleum Refining and Hydrogen Production</i>	28.24	28.85	29.00	29.65	28.89	29.56	29.45	29.02	28.24	28.12	30.23	29.86	29.65	29.00	29.17	28.02	29.41
<i>Transmission and Distribution</i>	0.56	0.67	0.61	0.52	0.77	0.66	0.44	0.57	0.52	0.43	0.61	0.64	0.77	0.64	1.31	1.02	1.02
Commercial	12.53	12.33	14.13	13.06	13.29	12.93	13.23	13.29	13.34	13.78	14.47	14.46	14.14	13.97	13.06	13.20	13.70
<i>CHP: Commercial</i>	1.09	1.05	1.06	0.26	0.62	0.40	0.42	0.49	0.37	0.92	0.92	0.78	0.76	0.71	0.58	0.56	0.81
<i>Communication</i>	0.19	0.17	0.20	0.19	0.19	0.17	0.19	0.18	0.16	0.16	0.15	0.15	0.14	0.14	0.12	0.11	0.12
<i>Domestic Utilities</i>	0.25	0.18	0.17	0.37	0.32	0.23	0.29	0.30	0.28	0.28	0.27	0.25	0.26	0.25	0.25	0.23	0.24
<i>Education</i>	1.22	1.07	1.24	1.09	1.09	1.07	1.12	1.09	1.01	1.03	1.05	1.06	0.99	1.02	0.85	0.84	0.89
<i>Food Services</i>	1.90	1.97	2.48	2.31	2.27	2.29	2.46	2.42	2.31	2.22	2.23	2.25	2.27	2.33	2.30	2.32	2.36
<i>Health Care</i>	1.38	1.42	1.65	1.47	1.43	1.43	1.52	1.49	1.44	1.44	1.51	1.55	1.54	1.56	1.46	1.46	1.50
<i>Hotels</i>	0.63	0.67	0.78	0.69	0.67	0.68	0.74	0.75	0.73	0.70	0.73	0.74	0.73	0.74	0.71	0.72	0.73
<i>National Security</i>	0.20	0.31	0.21	0.19	0.20	0.18	0.21	0.20	0.17	0.18	0.17	0.18	0.16	0.14	0.13	0.13	0.14
<i>Not Specified Commercial</i>	3.91	3.96	4.44	4.68	4.68	4.68	4.33	4.34	4.68	4.65	5.22	5.21	4.89	4.79	4.63	4.73	4.74
<i>Offices</i>	0.77	0.55	0.66	0.67	0.70	0.68	0.72	0.63	0.69	0.67	0.68	0.69	0.65	0.64	0.49	0.49	0.51
<i>Retail & Wholesale</i>	0.81	0.87	1.13	1.03	1.01	1.02	1.11	1.06	0.97	1.00	1.02	1.05	1.17	1.09	0.99	1.05	1.11
<i>Transportation Services</i>	0.18	0.13	0.13	0.11	0.10	0.09	0.12	0.34	0.51	0.51	0.53	0.56	0.57	0.58	0.56	0.56	0.56

California Carbon Dioxide Inventory for 2000-2016 — by Sector and Activity
million tonnes of CO2 equivalent - (based upon IPCC Fourth Assessment Report's 100-yr Global Warming Potentials)

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Residential	29.27	28.36	28.51	28.03	29.06	27.89	28.28	28.41	28.72	28.36	29.09	29.54	27.24	28.02	22.75	23.19	24.11
Household Use	29.27	28.36	28.51	28.03	29.06	27.89	28.28	28.41	28.72	28.36	29.09	29.54	27.24	28.02	22.75	23.19	24.11
Agriculture & Forestry	4.07	3.97	4.60	4.48	4.72	4.88	5.77	4.03	4.25	2.77	2.94	3.82	4.09	3.92	4.86	4.57	4.13
Ag Energy Use	3.80	3.81	4.37	4.24	4.49	4.59	5.28	3.77	4.08	2.60	2.77	3.64	3.86	3.70	4.65	4.38	3.94
Ag Soil Management	0.27	0.16	0.23	0.24	0.24	0.30	0.48	0.26	0.17	0.17	0.18	0.17	0.23	0.22	0.21	0.19	0.18
Not Specified	1.20	1.07	0.94	0.98	0.87	0.89	0.89	0.87	0.85	0.79	0.82	0.79	0.78	0.77	0.78	0.79	0.79
Solvents & Chemicals	1.20	1.07	0.94	0.98	0.87	0.89	0.89	0.87	0.85	0.79	0.82	0.79	0.78	0.77	0.78	0.79	0.79
Summary for Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Included Inventory CO2 Emissions	413.1	427.7	424.8	423.9	432.4	423.5	419.3	424.3	421.0	391.6	380.5	375.5	380.6	377.5	372.7	369.9	357.3

California Carbon Dioxide Inventory for 2000-2016 — by Sector and Activity
million tonnes of CO2 equivalent - (based upon IPCC Fourth Assessment Report's 100-yr Global Warming Potentials)

Excluded Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Transportation	49.94	43.66	48.45	42.77	47.09	49.54	52.14	55.14	51.93	50.74	52.38	48.15	45.40	44.71	44.18	49.33	53.79
<i>Aviation</i>	34.81	32.27	34.83	33.50	35.86	35.52	36.46	38.11	34.56	33.90	33.21	33.96	32.41	34.90	37.32	40.06	42.26
<i>Water-borne</i>	15.13	11.39	13.62	9.27	11.23	14.02	15.67	17.04	17.36	16.84	19.17	14.19	12.99	9.81	6.86	9.27	11.53
Military	3.77	4.32	4.09	4.12	3.85	3.38	3.09	2.90	2.75	2.68	3.08	2.66	3.27	2.66	3.27	2.74	2.30
<i>Not Specified Military</i>	3.77	4.32	4.09	4.12	3.85	3.38	3.09	2.90	2.75	2.68	3.08	2.66	3.27	2.66	3.27	2.74	2.30
Summary for Excluded Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
International and Interstate CO2 Emissions	53.7	48.0	52.5	46.9	50.9	52.9	55.2	58.0	54.7	53.4	55.5	50.8	48.7	47.4	47.5	52.1	56.1

Forested Lands & Wood Products

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

This section of the inventory is currently under development