

California Greenhouse Gas Inventory (millions of metric tonnes of CO2 equivalent) — By IPCC Category

Last Updated: Monday, November 19, 2007

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<i>(CO2 equivalence based upon IPCC Second Assessment Report's Global Warming Potentials)</i>															
Categories Included in the Inventory.															
1 - Energy	386.41	372.06	373.67	369.39	380.27	367.36	364.41	380.88	395.49	401.11	399.66	415.82	407.36	404.88	420.91
1A - Fuel Combustion Activities	381.16	366.90	368.88	364.40	375.53	363.02	359.88	376.36	391.03	396.63	395.29	411.37	402.81	400.32	416.29
1A1 - Energy Industries	157.33	150.29	151.31	151.48	157.36	145.41	140.99	154.50	159.56	157.38	152.50	167.89	152.26	159.84	166.43
1A1a - Main Activity Electricity and Heat Production	115.843	108.838	110.636	112.935	120.610	106.526	99.200	108.158	115.071	116.793	111.599	124.898	111.233	115.679	123.201
1A1ai - Electricity Generation	90.502	83.083	82.393	84.050	91.233	77.389	68.652	77.449	83.181	84.462	79.121	95.667	78.491	86.013	93.111
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Coal > CO2	0.281	0.605	0.659	0.654	0.771	0.323	0.345	0.271	0.673	0.711	0.740	0.671	0.567	0.671	0.542
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Coal > N2O	0.001	0.003	0.003	0.003	0.004	0.002	0.002	0.001	0.003	0.003	0.004	0.003	0.003	0.003	0.003
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Distillate > CO2	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.000	0.001	0.002	0.001
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PNW : Colstrip (MT) - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PNW : Colstrip (MT) - Coal > CO2	0.921	0.934	0.999	0.874	0.960	0.975	0.695	0.630	0.935	0.438	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PNW : Colstrip (MT) - Coal > N2O	0.004	0.004	0.005	0.004	0.005	0.005	0.003	0.003	0.004	0.002	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PNW : Colstrip (MT) - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PNW : Colstrip (MT) - Distillate > CO2	0.001	0.001	0.000	0.001	0.001	0.002	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PNW : Colstrip (MT) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Coal > CO2	0.620	0.643	0.645	0.534	0.488	0.462	0.453	0.282	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Coal > N2O	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Distillate > CO2	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Coal > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Coal > CO2	5.007	4.318	5.173	4.928	4.872	4.903	4.428	4.544	4.806	5.017	4.845	5.311	4.585	5.543	5.341
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Coal > N2O	0.024	0.021	0.025	0.024	0.023	0.023	0.021	0.022	0.023	0.024	0.023	0.025	0.022	0.027	0.026
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Natural Gas > CO2	0.014	0.017	0.009	0.009	0.009	0.009	0.010	0.020	0.023	0.011	0.011	0.010	0.013	0.010	0.008
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Coal > CH4	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Coal > CO2	11.102	9.218	10.964	10.800	10.943	9.369	9.549	11.360	11.646	11.606	11.681	11.607	11.556	12.003	12.817
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Coal > N2O	0.055	0.046	0.055	0.054	0.054	0.047	0.048	0.057	0.058	0.058	0.058	0.058	0.058	0.060	0.064
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Distillate > CO2	0.016	0.015	0.009	0.009	0.007	0.005	0.008	0.006	0.006	0.005	0.005	0.005	0.004	0.005	0.004
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Coal > CH4	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Coal > CO2	6.595	7.694	7.750	7.101	7.140	7.340	7.173	7.033	6.947	6.975	7.617	7.252	6.330	6.048	6.349
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Coal > N2O	0.033	0.038	0.039	0.035	0.036	0.037	0.036	0.035	0.035	0.035	0.038	0.036	0.032	0.030	0.032
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Natural Gas > CO2	0.084	0.082	0.088	0.101	0.093	0.073	0.033	0.024	0.019	0.025	0.027	0.012	0.006	0.009	0.006
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Coal > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Coal > CO2	3.233	3.313	3.394	3.241	3.234	2.455	2.344	2.745	3.236	3.342	3.627	3.511	3.646	3.338	3.517
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Coal > N2O	0.016	0.016	0.017	0.016	0.016	0.012	0.012	0.014	0.016	0.017	0.018	0.017	0.018	0.017	0.018

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Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Distillate > CO2	0.006	0.005	0.004	0.003	0.003	0.002	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.004	0.002
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Coal > CO2	1.110	1.146	0.916	1.048	1.100	0.960	1.131	0.990	1.274	1.184	1.368	1.159	1.252	1.203	1.204
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Coal > N2O	0.006	0.006	0.005	0.005	0.005	0.005	0.006	0.005	0.006	0.006	0.007	0.006	0.006	0.006	0.006
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Distillate > CO2	0.001	0.002	0.004	0.002	0.002	0.002	0.002	0.004	0.003	0.002	0.002	0.002	0.004	0.003	0.002
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Coal > CO2	0.405	0.327	0.364	0.402	0.436	0.423	0.481	0.501	0.496	0.484	0.515	2.947	3.107	2.904	3.136
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Coal > N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.014	0.015	0.014	0.015
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Distillate > CO2	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.005	0.008	0.005
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Residual Fuel Oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Residual Fuel Oil > CO2	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Residual Fuel Oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Distillate > CO2	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.001	0.002	0.001	0.018	0.030	0.001	0.004	0.002
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Natural Gas > CO2	0.054	0.027	0.028	0.036	0.032	0.030	0.060	0.082	0.086	0.100	0.113	0.144	0.108	0.064	0.072
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Residual Fuel Oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Residual Fuel Oil > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Residual Fuel Oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Unspecified Imports : PNW - Imported electricity > CH4	0.002	0.002	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
Imported Electricity : Unspecified Imports : PNW - Imported electricity > CO2	7.828	7.152	4.715	3.787	3.704	4.932	7.491	6.337	4.832	6.415	4.673	4.530	7.159	9.932	8.706
Imported Electricity : Unspecified Imports : PNW - Imported electricity > N2O	0.038	0.034	0.023	0.018	0.018	0.024	0.036	0.030	0.023	0.031	0.022	0.019	0.030	0.043	0.036
Imported Electricity : Unspecified Imports : PSW - Imported electricity > CH4	0.005	0.005	0.003	0.005	0.005	0.005	0.003	0.004	0.005	0.004	0.001	0.003	0.003	0.004	0.005
Imported Electricity : Unspecified Imports : PSW - Imported electricity > CO2	22.972	20.555	13.255	21.048	20.978	21.173	14.631	20.256	22.742	18.639	4.809	13.408	12.359	15.527	18.901
Imported Electricity : Unspecified Imports : PSW - Imported electricity > N2O	0.112	0.101	0.065	0.103	0.103	0.104	0.072	0.099	0.111	0.091	0.023	0.057	0.053	0.066	0.079
In State Generation : Merchant Owned - Biomass > CH4	0.030	0.029	0.035	0.032	0.035	0.023	0.024	0.023	0.024	0.027	0.025	0.022	0.029	0.030	0.028
In State Generation : Merchant Owned - Biomass > N2O	0.059	0.058	0.068	0.064	0.070	0.046	0.047	0.046	0.047	0.053	0.049	0.043	0.056	0.059	0.056
In State Generation : Merchant Owned - Digester Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Digester Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Distillate > CO2	0.026	0.009	0.004	0.004	0.003	0.003	0.003	0.005	0.011	0.067	0.249	0.480	0.050	0.057	0.050
In State Generation : Merchant Owned - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.000	0.000
In State Generation : Merchant Owned - Jet Fuel > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Jet Fuel > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.022
In State Generation : Merchant Owned - Jet Fuel > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Kerosene > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000

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CHP: Commercial : Useful Thermal Output - Digester Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Digester Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Distillate > CO2	0.004	0.000	0.001	0.000	0.000	0.014	0.016	0.039	0.001	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Jet Fuel > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Jet Fuel > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Jet Fuel > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Landfill Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Landfill Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Natural Gas > CO2	0.386	0.334	0.402	0.413	0.462	0.436	0.603	1.109	0.931	0.914	1.089	1.050	1.016	0.186	0.475
CHP: Commercial : Useful Thermal Output - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
CHP: Commercial : Useful Thermal Output - Propane > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Propane > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Propane > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Refinery Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Refinery Gas > CO2	0.009	0.009	0.007	0.009	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Refinery Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Waste Oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Waste Oil > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Waste Oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Associated gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Associated gas > CO2	0.000	0.000	0.000	0.088	0.289	0.336	0.246	0.199	1.382	1.408	1.470	0.754	0.451	1.092	0.688
CHP: Industrial : Useful Thermal Output - Associated gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.001	0.000
CHP: Industrial : Useful Thermal Output - Biomass > CH4	0.013	0.012	0.012	0.007	0.008	0.007	0.006	0.007	0.007	0.007	0.009	0.007	0.004	0.005	0.009
CHP: Industrial : Useful Thermal Output - Biomass > N2O	0.026	0.025	0.023	0.014	0.015	0.013	0.011	0.014	0.013	0.014	0.018	0.014	0.008	0.009	0.018
CHP: Industrial : Useful Thermal Output - Bituminous Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Bituminous Coal > CO2	1.724	1.833	1.778	1.664	1.625	1.609	1.692	1.646	1.585	1.658	1.650	1.713	1.650	1.734	1.378
CHP: Industrial : Useful Thermal Output - Bituminous Coal > N2O	0.009	0.009	0.009	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.008	0.009	0.007
CHP: Industrial : Useful Thermal Output - Digester Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Digester Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Distillate > CO2	0.049	0.100	0.002	0.000	0.015	0.014	0.000	0.003	0.001	0.003	0.002	0.002	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Landfill Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Landfill Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Lignite Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Lignite Coal > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Lignite Coal > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Natural Gas > CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.003	0.002	0.003	0.003	0.001
CHP: Industrial : Useful Thermal Output - Natural Gas > CO2	6.613	6.534	6.558	6.631	6.503	6.710	6.700	7.016	6.160	6.054	6.323	6.084	7.611	6.616	2.969
CHP: Industrial : Useful Thermal Output - Natural Gas > N2O	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.002
CHP: Industrial : Useful Thermal Output - Other Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Other Coal > CO2	0.007	0.003	0.005	0.006	0.005	0.006	0.000	0.003	0.004	0.001	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory (millions of metric tonnes of CO2 equivalent) — By IPCC Category

Last Updated: Monday, November 19, 2007

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Petroleum Refining - Associated gas > CO2	0.655	1.201	0.864	1.563	1.458	1.075	1.065	0.228	0.980	0.346	0.316	0.282	0.000	0.000	0.000
Petroleum Refining - Associated gas > N2O	0.000	0.001	0.000	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Catalyst Coke > CH4	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Petroleum Refining - Catalyst Coke > CO2	5.147	5.279	5.017	5.235	5.376	5.182	5.767	5.383	5.678	5.402	5.741	5.722	5.782	6.000	6.096
Petroleum Refining - Catalyst Coke > N2O	0.011	0.011	0.011	0.011	0.012	0.011	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.013	0.013
Petroleum Refining - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Distillate > CO2	0.004	0.004	0.002	0.001	0.001	0.000	0.000	0.001	0.001	0.000	0.001	0.017	0.001	0.002	0.002
Petroleum Refining - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - LPG > CH4	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - LPG > CO2	0.858	0.992	1.682	1.137	1.236	0.846	0.607	0.494	0.320	0.257	0.504	0.687	0.275	0.515	0.395
Petroleum Refining - LPG > N2O	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Natural Gas > CH4	0.002	0.002	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003
Petroleum Refining - Natural Gas > CO2	4.305	3.931	3.492	2.948	2.529	3.638	4.911	6.027	5.477	5.854	5.890	5.300	6.529	6.783	6.835
Petroleum Refining - Natural Gas > N2O	0.003	0.002	0.002	0.002	0.001	0.002	0.003	0.004	0.003	0.003	0.003	0.003	0.004	0.004	0.004
Petroleum Refining - Petroleum Coke > CH4	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Petroleum Coke > CO2	0.597	0.779	0.818	0.718	0.723	0.717	0.608	0.601	0.629	0.479	0.485	0.485	0.472	0.507	0.515
Petroleum Refining - Petroleum Coke > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Petroleum Refining - Refinery Gas > CH4	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Petroleum Refining - Refinery Gas > CO2	15.820	15.781	15.253	15.894	15.491	14.833	15.528	15.301	15.509	14.418	15.049	15.574	15.742	16.002	15.230
Petroleum Refining - Refinery Gas > N2O	0.008	0.008	0.007	0.008	0.007	0.007	0.008	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.007
Petroleum Refining - Residual Fuel Oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Residual Fuel Oil > CO2	0.212	0.210	0.163	0.177	0.187	0.154	0.094	0.065	0.062	0.034	0.002	0.000	0.000	0.000	0.000
Petroleum Refining - Residual Fuel Oil > N2O	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A1c - Manufacture of Solid Fuels and Other Energy Industries	13.858	13.239	13.344	10.834	9.712	12.398	13.170	18.206	15.798	13.760	12.872	14.886	12.186	14.310	14.121
1A1cii - Other Energy Industries	13.858	13.239	13.344	10.834	9.712	12.398	13.170	18.206	15.798	13.760	12.872	14.886	12.186	14.310	14.121
Oil & Gas Extraction - Associated gas > CH4	0.002	0.001	0.003	0.003	0.003	0.004	0.004	0.006	0.004	0.004	0.003	0.004	0.004	0.004	0.004
Oil & Gas Extraction - Associated gas > CO2	5.271	3.808	10.041	9.377	8.477	11.343	12.183	17.480	12.802	11.153	10.007	13.519	11.173	12.160	11.798
Oil & Gas Extraction - Associated gas > N2O	0.003	0.002	0.005	0.004	0.004	0.005	0.006	0.008	0.006	0.005	0.005	0.006	0.005	0.006	0.006
Oil & Gas Extraction - Crude oil > CH4	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil & Gas Extraction - Crude oil > CO2	2.491	1.473	0.514	0.169	0.142	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil & Gas Extraction - Crude oil > N2O	0.006	0.004	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil & Gas Extraction - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil & Gas Extraction - Distillate > CO2	0.210	0.109	0.144	0.159	0.145	0.098	0.049	0.053	0.061	0.117	0.099	0.106	0.127	0.105	0.127
Oil & Gas Extraction - Distillate > N2O	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil & Gas Extraction - Natural Gas > CH4	0.002	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.001	0.001
Oil & Gas Extraction - Natural Gas > CO2	5.726	7.652	2.442	1.002	0.835	0.826	0.739	0.535	2.820	2.397	2.654	0.895	0.670	1.920	2.040
Oil & Gas Extraction - Natural Gas > N2O	0.003	0.004	0.001	0.001	0.000	0.000	0.000	0.000	0.002	0.001	0.002	0.001	0.000	0.001	0.001
Oil & Gas Extraction - Residual Fuel Oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil & Gas Extraction - Residual Fuel Oil > CO2	0.013	0.026	0.063	0.032	0.032	0.032	0.032	0.032	0.032	0.015	0.032	0.218	0.069	0.008	0.032
Oil & Gas Extraction - Residual Fuel Oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Pipelines : Natural Gas Pipelines - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pipelines : Natural Gas Pipelines - Natural Gas > CO2	0.000	0.000	0.000	0.000	0.001	0.002	0.071	0.012	0.002	0.002	0.003	0.003	0.014	0.022	0.021
Pipelines : Natural Gas Pipelines - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pipelines : Non Natural Gas Pipelines - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pipelines : Non Natural Gas Pipelines - Natural Gas > CO2	0.127	0.155	0.128	0.084	0.071	0.077	0.085	0.079	0.067	0.064	0.066	0.132	0.124	0.082	0.091

California Greenhouse Gas Inventory (millions of metric tonnes of CO2 equivalent) — By IPCC Category

Last Updated: Monday, November 19, 2007

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Pipelines : Non Natural Gas Pipelines - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2 - Manufacturing Industries and Construction	24.24	22.13	20.29	19.73	20.93	20.76	20.03	20.41	21.60	22.32	23.56	23.94	20.67	18.65	19.45
Manufacturing : Primary Metals - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Primary Metals - Natural Gas > CO2	0.943	0.894	0.753	0.760	0.852	0.785	0.821	0.843	0.877	0.882	0.910	0.785	0.689	0.702	0.478
Manufacturing : Primary Metals - Natural Gas > N2O	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000
1A2c - Chemicals	0.961	0.857	0.659	0.529	0.612	0.602	0.633	0.536	0.724	0.572	0.700	0.602	1.110	0.663	0.677
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural Gas > CO2	0.960	0.856	0.659	0.529	0.611	0.601	0.633	0.535	0.723	0.572	0.699	0.601	1.109	0.663	0.677
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural Gas > N2O	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
1A2d - Pulp, Paper and Print	1.915	1.652	1.158	1.282	1.681	1.723	1.993	1.627	1.628	1.506	1.385	1.685	1.129	1.045	1.115
Manufacturing : Printing & Publishing - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Printing & Publishing - Natural Gas > CO2	0.113	0.121	0.111	0.121	0.132	0.149	0.143	0.141	0.155	0.145	0.116	0.112	0.086	0.081	0.085
Manufacturing : Printing & Publishing - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper - Natural Gas > CO2	0.438	0.386	0.320	0.305	0.300	0.270	0.313	0.281	0.326	0.300	0.292	0.316	0.199	0.191	0.187
Manufacturing : Pulp & Paper - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper : Paper Mills - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper : Paper Mills - Natural Gas > CO2	0.390	0.328	0.247	0.401	0.671	0.650	0.711	0.484	0.584	0.557	0.539	0.519	0.762	0.691	0.387
Manufacturing : Pulp & Paper : Paper Mills - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper : Paperboard Mills - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper : Paperboard Mills - Natural Gas > CO2	0.908	0.737	0.351	0.399	0.543	0.652	0.824	0.720	0.550	0.501	0.437	0.656	0.000	0.000	0.375
Manufacturing : Pulp & Paper : Paperboard Mills - Natural Gas > N2O	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper : Pulp Mills - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper : Pulp Mills - Natural Gas > CO2	0.063	0.078	0.129	0.055	0.032	0.000	0.000	0.000	0.012	0.000	0.000	0.081	0.080	0.081	0.080
Manufacturing : Pulp & Paper : Pulp Mills - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2e - Food Processing, Beverages and Tobacco	3.072	3.265	3.230	3.281	3.255	3.157	3.126	3.146	3.530	3.637	3.599	3.304	3.457	3.172	3.397
Manufacturing : Food Products - Natural Gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing : Food Products - Natural Gas > CO2	1.409	1.465	1.491	1.534	1.535	1.384	1.449	1.543	1.691	1.722	1.807	1.712	1.784	1.662	1.777
Manufacturing : Food Products - Natural Gas > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing : Food Products : Food Processing - Natural Gas > CH4	0.000	0.001	0.001	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.000	0.001
Manufacturing : Food Products : Food Processing - Natural Gas > CO2	1.197	1.323	1.367	1.334	1.244	1.346	1.398	1.371	1.529	1.555	1.386	1.238	1.343	1.176	1.290
Manufacturing : Food Products : Food Processing - Natural Gas > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing : Food Products : Sugar & Confections - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Food Products : Sugar & Confections - Natural Gas > CO2	0.463	0.474	0.369	0.410	0.472	0.423	0.276	0.229	0.307	0.356	0.403	0.351	0.327	0.331	0.327
Manufacturing : Food Products : Sugar & Confections - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Tobacco - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Tobacco - Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Tobacco - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2f - Non-Metallic Minerals	5.124	4.955	4.941	4.873	4.848	4.844	5.046	5.188	5.392	5.368	5.495	5.454	5.361	5.319	5.401
Manufacturing : Stone, Clay, Glass & Cement - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement - Natural Gas > CO2	0.845	0.756	0.736	0.650	0.665	0.726	0.771	0.863	0.954	0.875	0.861	0.850	0.580	0.556	0.624
Manufacturing : Stone, Clay, Glass & Cement - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Biomass Waste Fuel > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Biomass Waste Fuel > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > CH4	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.006

California Greenhouse Gas Inventory (millions of metric tonnes of CO2 equivalent) — By IPCC Category

Last Updated: Monday, November 19, 2007

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Manufacturing : Metal Durables : Computers & Office Machines - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Computers & Office Machines - Natural Gas > CO2	0.131	0.116	0.101	0.098	0.086	0.084	0.079	0.079	0.090	0.093	0.087	0.076	0.180	0.158	0.178
Manufacturing : Metal Durables : Computers & Office Machines - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Fabricated Metal Products - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Fabricated Metal Products - Natural Gas > CO2	0.580	0.585	0.552	0.555	0.535	0.561	0.578	0.591	0.613	0.592	0.601	0.594	0.552	0.460	0.492
Manufacturing : Metal Durables : Fabricated Metal Products - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural Gas > CO2	0.202	0.120	0.116	0.126	0.138	0.149	0.161	0.158	0.172	0.127	0.120	0.106	0.105	0.092	0.134
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2i - Mining (excluding fuels) and Quarrying	0.028	0.031	0.041	0.036	0.038	0.308	0.344	0.325	0.318	0.321	0.331	0.309	0.300	0.332	0.103
Mining : Coal - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Coal - Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
Mining : Coal - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Metals - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Metals - Natural Gas > CO2	0.000	0.000	0.000	0.000	0.001	0.007	0.003	0.003	0.001	0.001	0.000	0.001	0.001	0.001	0.001
Mining : Metals - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Non Metals - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Non Metals - Natural Gas > CO2	0.027	0.030	0.040	0.035	0.036	0.300	0.341	0.321	0.316	0.320	0.329	0.307	0.298	0.329	0.102
Mining : Non Metals - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2j - Wood and Wood Products	0.236	0.219	0.232	0.255	0.261	0.397	0.351	0.306	0.312	0.303	0.302	0.336	0.163	0.138	0.109
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural Gas > CO2	0.052	0.042	0.037	0.038	0.037	0.035	0.036	0.039	0.044	0.046	0.046	0.040	0.041	0.040	0.041
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural Gas > CO2	0.184	0.177	0.195	0.217	0.223	0.361	0.314	0.266	0.268	0.256	0.255	0.296	0.121	0.098	0.068
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2k - Construction	0.667	0.653	0.628	0.635	0.638	0.635	0.643	0.657	0.678	0.651	0.643	0.581	0.605	0.623	0.763
Manufacturing : Construction - Gasoline > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Manufacturing : Construction - Gasoline > CO2	0.540	0.540	0.541	0.541	0.542	0.540	0.526	0.521	0.521	0.521	0.521	0.473	0.509	0.515	0.589
Manufacturing : Construction - Gasoline > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002
Manufacturing : Construction - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Construction - Natural Gas > CO2	0.125	0.111	0.085	0.092	0.094	0.094	0.115	0.133	0.155	0.128	0.120	0.106	0.095	0.107	0.171
Manufacturing : Construction - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2l - Textile and Leather	0.378	0.349	0.354	0.391	0.427	0.432	0.451	0.478	0.516	0.560	0.571	0.480	0.576	0.565	0.563
Manufacturing : Textiles : Apparel - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Apparel - Natural Gas > CO2	0.043	0.044	0.042	0.044	0.042	0.039	0.043	0.047	0.043	0.040	0.039	0.036	0.032	0.020	0.022
Manufacturing : Textiles : Apparel - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Leather - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Leather - Natural Gas > CO2	0.008	0.006	0.003	0.005	0.006	0.005	0.005	0.004	0.004	0.004	0.004	0.005	0.471	0.478	0.472
Manufacturing : Textiles : Leather - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Textile Mills - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Textile Mills - Natural Gas > CO2	0.327	0.299	0.309	0.342	0.379	0.388	0.402	0.427	0.468	0.516	0.527	0.439	0.071	0.067	0.069
Manufacturing : Textiles : Textile Mills - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2m - Non-specified Industry.	9.043	7.480	6.592	6.007	6.664	6.239	4.991	5.624	5.817	6.710	7.877	8.800	5.680	4.769	5.500
Manufacturing - Coal > CH4	0.001	0.001	0.000	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.003	0.003	0.003	0.003	0.003

California Greenhouse Gas Inventory (millions of metric tonnes of CO2 equivalent) — By IPCC Category

Last Updated: Monday, November 19, 2007		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
1A3ai - Domestic Aviation		5.113	4.669	4.079	3.658	3.868	4.003	4.202	3.906	3.877	3.736	3.500	4.174	3.374	3.011	3.016
Aviation : Domestic Air transport - Aviation Gasoline > CH4		0.007	0.007	0.007	0.005	0.005	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.005	0.005	0.004
Aviation : Domestic Air transport - Aviation Gasoline > CO2		0.386	0.381	0.370	0.286	0.277	0.282	0.268	0.292	0.200	0.288	0.252	0.229	0.254	0.254	0.207
Aviation : Domestic Air transport - Aviation Gasoline > N2O		0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Aviation : Domestic Air transport : Intrastate - Jet Fuel > CH4		0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Aviation : Domestic Air transport : Intrastate - Jet Fuel > CO2		4.671	4.236	3.664	3.332	3.548	3.678	3.888	3.571	3.635	3.406	3.209	3.900	3.083	2.724	2.775
Aviation : Domestic Air transport : Intrastate - Jet Fuel > N2O		0.045	0.041	0.036	0.032	0.034	0.036	0.038	0.035	0.035	0.033	0.031	0.038	0.030	0.026	0.027
1A3b - Road Transportation		137.992	134.485	141.765	139.441	140.467	143.572	145.061	148.370	151.314	155.878	159.336	162.275	168.990	165.474	171.506
On road : Freight - Natural Gas > CH4		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
On road : Freight - Natural Gas > CO2		0.016	0.015	0.013	0.014	0.014	0.011	0.012	0.012	0.013	0.015	0.012	0.012	0.023	0.022	0.025
On road : Freight - Natural Gas > N2O		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
On road : Passenger - Natural Gas > CH4		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
On road : Passenger - Natural Gas > CO2		0.010	0.011	0.012	0.013	0.015	0.015	0.022	0.029	0.030	0.037	0.040	0.025	0.036	0.027	0.015
On road : Passenger - Natural Gas > N2O		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
On road : Passenger : Taxis & Buses - Natural Gas > CH4		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
On road : Passenger : Taxis & Buses - Natural Gas > CO2		0.010	0.012	0.008	0.009	0.014	0.014	0.024	0.021	0.024	0.026	0.026	0.028	0.025	0.025	0.025
On road : Passenger : Taxis & Buses - Natural Gas > N2O		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A3bi - Cars		63.746	62.351	65.647	63.580	62.567	62.954	62.898	63.232	63.271	63.877	65.442	65.249	67.008	62.037	63.078
On road : Passenger cars - Distillate > CH4		0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
On road : Passenger cars - Distillate > CO2		0.610	0.543	0.512	0.468	0.464	0.434	0.393	0.386	0.362	0.343	0.330	0.287	0.279	0.242	0.241
On road : Passenger cars - Distillate > N2O		0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.002	0.002
On road : Passenger cars - Gasoline > CH4		0.436	0.410	0.383	0.366	0.353	0.346	0.317	0.310	0.299	0.289	0.280	0.250	0.231	0.196	0.184
On road : Passenger cars - Gasoline > CO2		59.676	58.528	61.796	59.943	59.057	59.531	59.786	60.184	60.319	61.005	62.675	62.721	64.605	59.955	61.069
On road : Passenger cars - Gasoline > N2O		3.017	2.863	2.951	2.798	2.688	2.638	2.398	2.349	2.287	2.236	2.155	1.988	1.890	1.642	1.581
1A3bii - Light-duty Trucks		44.754	44.552	47.692	48.174	48.906	50.720	52.007	53.931	56.265	58.971	60.558	63.643	67.973	68.006	72.117
On road : Light-Duty Trucks - Distillate > CH4		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
On road : Light-Duty Trucks - Distillate > CO2		0.520	0.504	0.514	0.524	0.554	0.583	0.587	0.652	0.627	0.700	0.770	0.850	1.014	0.953	0.957
On road : Light-Duty Trucks - Distillate > N2O		0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.006	0.007	0.008	0.009	0.010	0.010	0.010
On road : Light-Duty Trucks - Gasoline > CH4		0.317	0.304	0.279	0.273	0.267	0.265	0.247	0.244	0.242	0.236	0.227	0.210	0.199	0.184	0.176
On road : Light-Duty Trucks - Gasoline > CO2		41.337	41.197	44.187	44.693	45.439	47.226	48.752	50.630	52.992	55.647	57.276	60.433	64.712	64.986	69.155
On road : Light-Duty Trucks - Gasoline > N2O		2.574	2.541	2.706	2.678	2.641	2.641	2.415	2.398	2.397	2.380	2.277	2.141	2.036	1.873	1.819
1A3biii - Heavy-duty Trucks and Buses		29.031	27.125	28.005	27.295	28.624	29.529	29.775	30.895	31.472	32.715	33.014	33.000	33.565	34.832	35.662
On road : Heavy-Duty Vehicles - Distillate > CH4		0.021	0.020	0.021	0.020	0.016	0.016	0.016	0.017	0.017	0.018	0.018	0.018	0.018	0.018	0.017
On road : Heavy-Duty Vehicles - Distillate > CO2		17.401	16.967	17.732	17.575	19.173	20.222	20.517	22.206	22.773	23.921	25.623	25.523	26.137	26.939	27.639
On road : Heavy-Duty Vehicles - Distillate > N2O		0.176	0.171	0.179	0.177	0.194	0.205	0.208	0.225	0.230	0.242	0.259	0.259	0.265	0.273	0.280
On road : Heavy-Duty Vehicles - Gasoline > CH4		0.140	0.117	0.084	0.076	0.070	0.065	0.058	0.051	0.049	0.048	0.042	0.040	0.038	0.036	0.033
On road : Heavy-Duty Vehicles - Gasoline > CO2		10.582	9.229	9.351	8.843	8.584	8.451	8.495	7.949	7.960	8.044	6.622	6.737	6.689	7.164	7.306
On road : Heavy-Duty Vehicles - Gasoline > N2O		0.711	0.620	0.637	0.604	0.588	0.571	0.481	0.446	0.442	0.442	0.449	0.423	0.419	0.402	0.387
1A3biv - Motorcycles		0.426	0.420	0.388	0.356	0.328	0.327	0.323	0.251	0.238	0.236	0.243	0.318	0.361	0.525	0.584
On road : Motorcycles - Gasoline > CH4		0.017	0.017	0.012	0.011	0.010	0.010	0.009	0.007	0.006	0.006	0.006	0.008	0.009	0.013	0.014
On road : Motorcycles - Gasoline > CO2		0.376	0.371	0.346	0.317	0.293	0.292	0.289	0.225	0.213	0.212	0.219	0.286	0.324	0.473	0.526
On road : Motorcycles - Gasoline > N2O		0.032	0.032	0.030	0.028	0.026	0.025	0.025	0.019	0.018	0.018	0.018	0.024	0.027	0.039	0.043
1A3c - Railways		2.331	2.463	2.236	1.970	2.131	2.428	2.593	2.567	2.699	2.797	3.067	2.900	3.041	2.785	3.189
Rail - Distillate > CH4		0.004	0.004	0.004	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
Rail - Distillate > CO2		2.290	2.421	2.202	1.941	2.101	2.397	2.559	2.536	2.661	2.758	3.027	2.858	3.003	2.746	3.144

California Greenhouse Gas Inventory (millions of metric tonnes of CO2 equivalent) — By IPCC Category

Last Updated: Monday, November 19, 2007

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Water-borne : Intrastate : Transit (CA waters) - Distillate > CO2	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004
Water-borne : Intrastate : Transit (CA waters) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Intrastate : Transit (CA waters) - Residual Fuel Oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Intrastate : Transit (CA waters) - Residual Fuel Oil > CO2	0.082	0.085	0.089	0.094	0.099	0.104	0.110	0.116	0.122	0.128	0.135	0.141	0.149	0.156	0.164
Water-borne : Intrastate : Transit (CA waters) - Residual Fuel Oil > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002
1A4 - Other Sectors	48.19	47.70	44.36	44.37	45.97	42.11	42.59	42.98	48.44	50.61	48.95	45.44	44.86	43.95	46.29
1A4a - Commercial/Institutional	14.026	13.602	11.470	11.109	11.709	11.193	11.167	11.294	12.288	12.954	12.792	11.505	11.422	11.906	12.331
Communication - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication - Natural Gas > CO2	0.002	0.002	0.003	0.004	0.017	0.013	0.016	0.033	0.011	0.012	0.013	0.006	0.004	0.010	0.007
Communication - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Other Message Communications - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Other Message Communications - Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.056	0.046	0.044
Communication : Other Message Communications - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Radio Broadcasting Stations - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Radio Broadcasting Stations - Natural Gas > CO2	0.005	0.005	0.004	0.004	0.005	0.004	0.005	0.006	0.006	0.006	0.005	0.006	0.006	0.006	0.006
Communication : Radio Broadcasting Stations - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Telephone & Cell Phone Services - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Telephone & Cell Phone Services - Natural Gas > CO2	0.048	0.050	0.039	0.020	0.022	0.019	0.019	0.021	0.023	0.026	0.021	0.018	0.023	0.014	0.015
Communication : Telephone & Cell Phone Services - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : U.S. Postal Service - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : U.S. Postal Service - Natural Gas > CO2	0.014	0.015	0.012	0.014	0.018	0.019	0.022	0.017	0.021	0.021	0.019	0.017	0.016	0.015	0.014
Communication : U.S. Postal Service - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Electricity, Natural Gas & Steam - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Electricity, Natural Gas & Steam - Natural Gas > CO2	0.141	0.158	0.164	0.104	0.112	0.119	0.173	0.145	0.134	0.132	0.127	0.130	0.149	0.155	0.154
Domestic Utilities : Electricity, Natural Gas & Steam - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Sewerage Systems - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Domestic Utilities : Sewerage Systems - Natural Gas > CO2	0.074	0.073	0.083	0.068	0.076	0.093	0.132	0.132	0.184	0.172	0.150	0.138	0.077	0.136	0.257
Domestic Utilities : Sewerage Systems - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Streetlights - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Streetlights - Natural Gas > CO2	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Domestic Utilities : Streetlights - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Water Supply - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
Domestic Utilities : Water Supply - Natural Gas > CO2	0.122	0.105	0.107	0.100	0.099	0.100	0.109	0.110	0.101	0.132	0.158	0.092	0.092	0.259	0.203
Domestic Utilities : Water Supply - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Education : College - Natural Gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Education : College - Natural Gas > CO2	0.696	0.604	0.531	0.546	0.691	0.514	0.475	0.556	0.624	0.731	0.752	0.561	0.519	0.507	0.548
Education : College - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Education : School - Natural Gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Education : School - Natural Gas > CO2	0.717	0.675	0.556	0.577	0.579	0.467	0.470	0.483	0.592	0.638	0.549	0.431	0.542	0.489	0.510
Education : School - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Food Services : Food & Liquor - Natural Gas > CH4	0.001	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Food Services : Food & Liquor - Natural Gas > CO2	0.255	0.247	0.236	0.247	0.259	0.252	0.264	0.279	0.310	0.327	0.334	0.318	0.306	0.318	0.391
Food Services : Food & Liquor - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Food Services : Restaurant - Natural Gas > CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Food Services : Restaurant - Natural Gas > CO2	1.633	1.635	1.617	1.628	1.639	1.636	1.689	1.744	1.872	1.931	1.991	1.871	1.997	2.117	2.185

California Greenhouse Gas Inventory (millions of metric tonnes of CO2 equivalent) — By IPCC Category

Last Updated: Monday, November 19, 2007

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Transportation Services : Airports - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Airports - Natural Gas > CO2	0.024	0.025	0.015	0.029	0.026	0.022	0.036	0.021	0.045	0.052	0.043	0.028	0.037	0.038	0.037
Transportation Services : Airports - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Transportation - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Transportation - Natural Gas > CO2	0.007	0.008	0.008	0.008	0.007	0.006	0.004	0.005	0.006	0.007	0.007	0.011	0.007	0.007	0.007
Transportation Services : Transportation - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Water Transportation - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Water Transportation - Natural Gas > CO2	0.004	0.004	0.004	0.003	0.004	0.004	0.003	0.003	0.004	0.004	0.005	0.004	0.004	0.004	0.004
Transportation Services : Water Transportation - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A4b - Residential	29.657	30.234	28.560	29.067	29.789	27.189	27.296	26.725	31.421	32.210	30.605	28.593	28.524	27.920	29.102
Household Use - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - Distillate > CO2	0.089	0.085	0.101	0.101	0.102	0.078	0.065	0.070	0.075	0.077	0.108	0.127	0.064	0.053	0.061
Household Use - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - Kerosene > CO2	0.054	0.044	0.048	0.037	0.036	0.015	0.031	0.030	0.036	0.046	0.057	0.099	0.078	0.083	0.113
Household Use - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - LPG > CH4	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.003	0.002	0.002	0.002	0.002
Household Use - LPG > CO2	1.298	1.565	1.084	1.130	1.123	1.103	0.918	0.830	1.371	1.286	1.545	1.066	1.218	1.218	1.218
Household Use - LPG > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Household Use - Natural Gas > CH4	0.055	0.055	0.053	0.054	0.056	0.051	0.051	0.051	0.058	0.060	0.056	0.054	0.052	0.052	0.054
Household Use - Natural Gas > CO2	27.663	27.960	26.725	27.275	28.012	25.436	25.725	25.442	29.603	30.445	28.532	26.982	26.823	26.225	27.366
Household Use - Natural Gas > N2O	0.016	0.016	0.016	0.016	0.016	0.015	0.015	0.015	0.017	0.018	0.016	0.016	0.015	0.015	0.016
Household Use - Wood (Wet) > CH4	0.400	0.421	0.444	0.376	0.369	0.409	0.408	0.238	0.215	0.229	0.241	0.205	0.226	0.226	0.226
Household Use - Wood (Wet) > N2O	0.079	0.083	0.087	0.074	0.073	0.080	0.080	0.047	0.042	0.045	0.047	0.040	0.044	0.044	0.044
1A4c - Agriculture/Forestry/Fishing/Fish Farms	4.505	3.860	4.330	4.196	4.476	3.731	4.131	4.959	4.731	5.445	5.553	5.346	4.911	4.124	4.860
Ag Energy Use - Distillate > CH4	0.010	0.008	0.009	0.009	0.009	0.007	0.008	0.011	0.010	0.011	0.012	0.012	0.010	0.008	0.010
Ag Energy Use - Distillate > CO2	3.355	2.752	3.232	3.167	3.238	2.598	2.933	3.693	3.398	3.990	4.060	4.074	3.653	2.875	3.423
Ag Energy Use - Distillate > N2O	0.009	0.007	0.008	0.008	0.008	0.007	0.007	0.009	0.009	0.010	0.010	0.010	0.009	0.007	0.009
Ag Energy Use - Gasoline > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002
Ag Energy Use - Gasoline > CO2	0.433	0.433	0.433	0.434	0.434	0.433	0.422	0.418	0.418	0.418	0.418	0.367	0.392	0.403	0.511
Ag Energy Use - Gasoline > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Ag Energy Use - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - Kerosene > CO2	0.002	0.001	0.005	0.005	0.007	0.002	0.007	0.006	0.003	0.004	0.002	0.004	0.014	0.003	0.005
Ag Energy Use - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - LPG > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - LPG > CO2	0.154	0.153	0.154	0.153	0.154	0.154	0.153	0.153	0.153	0.153	0.092	0.213	0.153	0.153	0.153
Ag Energy Use - LPG > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
Ag Energy Use - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use : Crop Production - Natural Gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Ag Energy Use : Crop Production - Natural Gas > CO2	0.447	0.426	0.416	0.344	0.450	0.403	0.497	0.574	0.640	0.697	0.753	0.557	0.589	0.601	0.628
Ag Energy Use : Crop Production - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use : Irrigation - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use : Irrigation - Natural Gas > CO2	0.038	0.020	0.016	0.022	0.120	0.076	0.052	0.037	0.035	0.080	0.115	0.029	0.014	0.001	0.048

California Greenhouse Gas Inventory (millions of metric tonnes of CO2 equivalent) — By IPCC Category

Last Updated: Monday, November 19, 2007

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Ag Energy Use : Irrigation - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use : Livestock - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use : Livestock - Natural Gas > CO2	0.053	0.056	0.053	0.050	0.050	0.047	0.048	0.053	0.060	0.078	0.085	0.074	0.071	0.067	0.069
Ag Energy Use : Livestock - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A5 - Non-Specified	1.38	0.78	0.69	0.73	0.82	0.70	0.68	0.60	0.35	0.84	0.95	0.82	5.61	2.60	2.16
Flaring - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Flaring - Natural Gas > CO2	0.149	0.068	0.078	0.041	0.031	0.044	0.069	0.068	0.090	0.105	0.071	0.119	0.091	0.145	0.106
Flaring - Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Not Specified - LPG > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Not Specified - LPG > CO2	0.134	0.133	0.134	0.133	0.134	0.134	0.133	0.133	0.133	0.133	0.101	0.166	0.133	0.133	0.133
Not Specified Not Specified - LPG > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Not Specified - Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.001	0.001
Not Specified Not Specified - Natural Gas > CO2	1.097	0.576	0.480	0.560	0.650	0.526	0.476	0.400	0.125	0.596	0.780	0.538	5.379	2.316	1.920
Not Specified Not Specified - Natural Gas > N2O	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.001
1B - Fugitive Emissions from Fuels	5.25	5.16	4.79	4.99	4.74	4.34	4.53	4.51	4.46	4.49	4.37	4.45	4.54	4.56	4.62
1B2 - Oil and Natural Gas	2.94	2.82	2.47	2.64	2.59	2.53	2.58	2.51	2.43	2.42	2.42	2.52	2.48	2.50	2.54
Manufacturing : Chemicals & Allied Products : Fugitives > Fugitive emissions > CH4	0.022	0.017	0.008	0.013	0.017	0.014	0.013	0.022	0.019	0.021	0.021	0.018	0.016	0.013	0.013
Manufacturing : Construction : Fugitives > Fugitive emissions > CH4	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006
Manufacturing : Electric & Electronic Equip. : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Food Products : Fugitives > Fugitive emissions > CH4	0.013	0.014	0.005	0.009	0.008	0.007	0.010	0.012	0.009	0.011	0.011	0.010	0.007	0.007	0.007
Manufacturing : Fugitives > Fugitive emissions > CH4	0.046	0.077	0.025	0.067	0.070	0.067	0.067	0.043	0.042	0.040	0.040	0.054	0.030	0.030	0.031
Manufacturing : Plastics & Rubber : Fugitives > Fugitive emissions > CH4	0.007	0.007	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.008
Manufacturing : Primary Metals : Fugitives > Fugitive emissions > CH4	0.001	0.001	0.000	0.000	0.001	0.000	0.000	0.002	0.000	0.002	0.002	0.001	0.001	0.001	0.001
Manufacturing : Pulp & Paper : Fugitives > Fugitive emissions > CH4	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Manufacturing : Stone, Clay, Glass & Cement : Fugitives > Fugitive emissions > CH4	0.006	0.006	0.002	0.006	0.006	0.005	0.005	0.008	0.008	0.008	0.008	0.005	0.005	0.005	0.005
Manufacturing : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Industrial : Fugitives > Fugitive emissions > CH4	0.263	0.263	0.254	0.260	0.262	0.265	0.269	0.274	0.275	0.281	0.286	0.292	0.297	0.306	0.312
Oil & Gas Extraction : Petroleum Gas Seeps : Fugitives > Fugitive emissions > CH4	0.241	0.241	0.241	0.241	0.241	0.241	0.358	0.358	0.358	0.358	0.358	0.466	0.476	0.476	0.476
Oil & Gas Extraction : Process Losses : Fugitives > Fugitive emissions > CH4	0.418	0.380	0.268	0.372	0.352	0.330	0.318	0.306	0.257	0.272	0.263	0.249	0.208	0.209	0.210
Oil & Gas Extraction : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.257	0.232	0.116	0.138	0.122	0.110	0.108	0.094	0.109	0.094	0.091	0.089	0.085	0.076	0.087
Petroleum Marketing : Process Losses : Fugitives > Fugitive emissions > CH4	0.008	0.008	0.007	0.005	0.005	0.005	0.003	0.003	0.002	0.002	0.002	0.003	0.000	0.000	0.000
Petroleum Marketing : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.008	0.010	0.001	0.008	0.008	0.007	0.008	0.008	0.007	0.005	0.006	0.003	0.002	0.002	0.002
1B2a - Oil	0.139	0.078	0.072	0.067	0.067	0.071	0.055	0.044	0.045	0.058	0.053	0.025	0.029	0.029	0.029
1B2a - All Other	0.139	0.078	0.072	0.067	0.067	0.071	0.055	0.044	0.045	0.058	0.053	0.025	0.029	0.029	0.029
Petroleum Refining : Process Losses : Fugitives > Fugitive emissions > CH4	0.137	0.075	0.069	0.062	0.063	0.064	0.050	0.039	0.041	0.036	0.038	0.017	0.016	0.016	0.016
Petroleum Refining : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.002	0.003	0.004	0.004	0.004	0.007	0.005	0.004	0.004	0.022	0.015	0.008	0.013	0.013	0.013
1B2b - Natural Gas	1.505	1.481	1.454	1.438	1.420	1.396	1.354	1.319	1.284	1.255	1.263	1.288	1.304	1.330	1.354
Pipelines : Natural Gas : Fugitives > Fugitive emissions > CH4	1.505	1.481	1.454	1.438	1.420	1.396	1.354	1.319	1.284	1.255	1.263	1.288	1.304	1.330	1.354
1B3 - Other Emissions from Energy Production	2.31	2.34	2.33	2.35	2.15	1.80	1.95	2.01	2.03	2.06	1.95	1.93	2.07	2.05	2.07
In State Generation : Merchant Owned > Geothermal power - Geothermal > CO2	0.968	1.088	1.079	1.185	1.089	1.078	1.152	1.170	1.238	1.820	1.948	1.928	1.882	1.888	1.907
In State Generation : Utility Owned > Geothermal power - Geothermal > CO2	1.339	1.249	1.247	1.169	1.062	0.725	0.796	0.837	0.794	0.244	0.000	0.000	0.187	0.166	0.167
2 - Industrial Processes and Product Use	18.34	17.37	16.94	17.96	18.69	20.31	21.86	23.74	25.21	25.98	27.48	27.42	28.65	29.69	30.78
2A - Mineral Industry	4.85	4.85	4.85	4.82	4.85	4.89	5.01	5.15	5.28	5.42	5.57	5.65	5.73	5.82	5.90
2A1 - Cement Production	4.62	4.64	4.66	4.68	4.70	4.72	4.86	5.00	5.15	5.29	5.43	5.52	5.60	5.68	5.77
Manufacturing : Stone, Clay, Glass & Cement : Cement > Clinker production > CO2	4.619	4.638	4.658	4.677	4.697	4.716	4.859	5.003	5.146	5.289	5.433	5.517	5.601	5.684	5.768

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2A2 - Lime Production	0.23	0.21	0.19	0.14	0.15	0.17	0.15	0.15	0.14	0.14	0.14	0.14	0.13	0.13	0.13
Manufacturing : Stone, Clay, Glass & Cement : Lime > Lime production > CO2	0.234	0.208	0.190	0.144	0.151	0.170	0.155	0.149	0.138	0.135	0.138	0.136	0.133	0.131	0.128
2B - Chemical Industry	2.34	1.93	1.81	1.52	1.68	1.63	1.27	1.23	1.41	1.22	1.38	1.19	1.24	1.26	1.32
Manufacturing : Chemicals & Allied Products > Fuel consumption - LPG > CO2	0.052	0.059	0.060	0.058	0.067	0.068	0.071	0.072	0.075	0.078	0.071	0.066	0.072	0.072	0.072
Manufacturing : Chemicals & Allied Products > Fuel consumption - Natural Gas > CO2	0.862	0.769	0.591	0.475	0.549	0.540	0.568	0.480	0.650	0.513	0.628	0.540	0.556	0.564	0.557
Manufacturing : Chemicals & Allied Products > Fuel consumption - Petroleum feedstocks > CO2	0.894	0.567	0.604	0.604	0.627	0.530	0.337	0.378	0.398	0.356	0.410	0.363	0.374	0.397	0.463
2B2 - Nitric Acid Production	0.53	0.54	0.55	0.38	0.44	0.49	0.30	0.30	0.28	0.27	0.27	0.22	0.23	0.23	0.23
Manufacturing : Chemicals & Allied Products : Nitric Acid > Nitric acid production > N2O	0.535	0.538	0.555	0.385	0.438	0.486	0.296	0.296	0.285	0.274	0.267	0.217	0.235	0.228	0.227
2D - Non-Energy Products from Fuels and Solvent Use	2.29	1.92	2.03	2.04	1.90	1.78	1.58	1.63	1.92	2.18	1.85	1.64	1.78	1.56	1.37
2D1 - Lubricant Use	1.13	1.01	1.03	1.05	1.10	1.08	1.05	1.11	1.16	1.17	1.15	1.06	1.04	0.96	0.98
Not Specified Industrial > Fuel consumption - Lubricants > CO2	0.484	0.433	0.442	0.450	0.470	0.462	0.449	0.474	0.496	0.501	0.494	0.603	0.596	0.551	0.558
Not Specified Transportation > Fuel consumption - Lubricants > CO2	0.646	0.578	0.589	0.600	0.627	0.616	0.598	0.632	0.661	0.668	0.658	0.452	0.447	0.413	0.419
2D2 - Paraffin Wax Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Not Specified Industrial > Fuel consumption - Waxes > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2D4 - Other (please specify)	1.16	0.91	1.00	0.99	0.80	0.70	0.53	0.52	0.76	1.01	0.70	0.58	0.74	0.59	0.39
Not Specified Industrial > Fuel consumption - Asphalt > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Industrial > Fuel consumption - Naphtha > CO2	0.938	0.755	0.897	0.897	0.696	0.608	0.486	0.471	0.699	0.948	0.635	0.512	0.668	0.525	0.333
Not Specified Industrial > Fuel consumption - Other Petroleum Products > CO2	0.219	0.151	0.099	0.094	0.105	0.097	0.049	0.053	0.065	0.061	0.065	0.069	0.073	0.069	0.062
2E - Electronics Industry	0.59	0.59	0.59	0.74	0.82	1.02	1.12	1.29	1.43	1.43	1.23	0.86	0.83	0.81	0.88
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > Halogenated gases (in CO2 Eq.)	0.592	0.592	0.592	0.735	0.817	1.021	1.123	1.287	1.430	1.428	1.229	0.862	0.825	0.806	0.881
2F - Product Uses as Substitutes for Ozone Depleting Substances	0.04	0.07	0.36	0.92	1.83	3.86	5.39	6.92	7.91	8.87	9.76	10.72	11.77	12.87	13.97
Not Specified Not Specified > Use of substitutes for ozone depleting substances > CF4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-125	0.000	0.000	0.073	0.157	0.253	0.419	0.623	0.842	1.052	1.191	1.350	1.502	1.665	1.878	2.112
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-134a	0.000	0.000	0.206	0.665	1.432	3.116	4.122	5.137	5.624	6.248	6.784	7.353	7.865	8.330	8.764
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-143a	0.000	0.000	0.000	0.012	0.048	0.108	0.264	0.445	0.641	0.802	1.000	1.248	1.544	1.878	2.246
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.003	0.003	0.003	0.004
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-236fa	0.000	0.000	0.000	0.000	0.012	0.024	0.036	0.048	0.060	0.073	0.084	0.097	0.097	0.110	0.122
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-32	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.024	0.036	0.036	0.036	0.036	0.049	0.049	0.061
Not Specified Not Specified > Use of substitutes for ozone depleting substances > Other ODS substitutes	0.036	0.072	0.085	0.085	0.084	0.192	0.336	0.421	0.496	0.523	0.506	0.485	0.547	0.622	0.659
2G - Other Product Manufacture and Use	3.18	2.89	2.65	3.04	2.81	2.38	2.52	2.28	1.96	1.92	1.74	1.67	1.65	1.57	1.60
2G1 - Electrical Equipment	2.58	2.31	2.09	2.48	2.22	1.72	1.86	1.66	1.33	1.26	1.14	1.14	1.05	1.03	1.02
2G1b - Use of Electrical Equipment	2.577	2.313	2.092	2.484	2.223	1.724	1.863	1.656	1.334	1.262	1.141	1.144	1.048	1.031	1.018
Imported Electricity : Transmission and Distribution > SF6 use > SF6	1.016	0.901	0.673	0.794	0.715	0.577	0.652	0.607	0.459	0.442	0.303	0.331	0.356	0.336	0.341
In State Generation : Transmission and Distribution > SF6 use > SF6	1.561	1.412	1.419	1.690	1.508	1.147	1.211	1.049	0.875	0.821	0.837	0.813	0.692	0.695	0.677
2G4 - Other (Please specify)	0.61	0.58	0.56	0.56	0.59	0.65	0.66	0.62	0.62	0.66	0.60	0.53	0.60	0.54	0.58
Not Specified Industrial > CO2 Consumption > CO2	0.129	0.126	0.124	0.125	0.129	0.134	0.132	0.125	0.119	0.119	0.119	0.068	0.085	0.110	0.102
Not Specified Industrial > Limestone and dolomite consumption > CO2	0.138	0.125	0.112	0.112	0.147	0.193	0.207	0.165	0.175	0.202	0.155	0.142	0.197	0.122	0.163
Not Specified Industrial > Soda ash consumption > CO2	0.341	0.324	0.320	0.318	0.312	0.324	0.322	0.333	0.329	0.340	0.322	0.317	0.315	0.308	0.319
2H - Other	5.05	5.12	4.65	4.88	4.80	4.76	4.95	5.25	5.31	4.93	5.96	5.69	5.65	5.81	5.74
2H3 - Other (please specify)	5.05	5.12	4.65	4.88	4.80	4.76	4.95	5.25	5.31	4.93	5.96	5.69	5.65	5.81	5.74
Petroleum Refining : Transformation > Fuel consumption - Naphtha > CO2	0.416	0.416	0.400	0.400	0.400	0.390	0.173	0.173	0.173	0.173	0.173	0.403	0.403	0.227	0.227
Petroleum Refining : Transformation > Fuel consumption - Natural Gas > CO2	2.100	2.124	1.898	2.017	1.976	1.949	2.178	2.346	2.407	2.251	2.817	2.525	2.531	2.676	2.660
Petroleum Refining : Transformation > Fuel consumption - Natural Gas Liquids > CO2	0.275	0.275	0.275	0.275	0.275	0.292	0.251	0.300	0.266	0.254	0.198	0.227	0.233	0.221	0.185

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Petroleum Refining : Transformation > Fuel consumption - Refinery Gas > CO2	2.100	2.124	1.898	2.017	1.982	1.955	2.178	2.352	2.388	2.257	2.768	2.532	2.486	2.683	2.667
Petroleum Refining : Transformation > Fuel consumption - Residual Fuel Oil > CO2	0.154	0.176	0.176	0.176	0.169	0.169	0.169	0.080	0.072	0.000	0.000	0.000	0.000	0.000	0.000
3 - Agriculture, Forestry and Other Land Use	19.11	18.30	18.63	18.48	18.98	20.06	19.13	19.08	18.94	19.95	20.84	20.82	23.17	23.39	23.28
3A - Livestock	11.67	11.56	11.75	11.21	11.80	12.14	11.36	11.89	11.78	12.56	12.80	13.28	13.73	14.06	13.92
3A1 - Enteric Fermentation	6.67	6.47	6.57	6.22	6.49	6.58	6.15	6.30	6.29	6.60	6.68	6.80	6.99	7.08	7.01
3A1a - Cattle	6.250	6.051	6.147	5.819	6.051	6.157	5.737	5.895	5.898	6.203	6.282	6.402	6.597	6.691	6.637
3A1ai - Dairy Cows	3.632	3.716	3.823	3.546	3.812	3.871	3.554	3.754	3.779	4.050	4.204	4.364	4.566	4.662	4.685
Livestock population - Dairy Cows > CH4	3.014	3.117	3.164	2.885	3.090	3.126	2.786	2.977	2.983	3.202	3.349	3.478	3.654	3.734	3.818
Livestock population - Dairy replacements 12-23 months > CH4	0.488	0.471	0.518	0.522	0.569	0.588	0.606	0.614	0.626	0.670	0.673	0.698	0.718	0.734	0.682
Livestock population - Dairy replacements 7-11 months > CH4	0.129	0.127	0.140	0.139	0.153	0.157	0.162	0.163	0.170	0.178	0.182	0.188	0.195	0.194	0.186
3A1aii - Other Cattle	2.618	2.335	2.324	2.273	2.240	2.286	2.182	2.141	2.119	2.153	2.078	2.038	2.031	2.030	1.952
Livestock population - Beef Cows > CH4	1.480	1.395	1.364	1.302	1.333	1.317	1.302	1.271	1.271	1.255	1.224	1.209	1.178	1.147	1.116
Livestock population - Beef replacements 12-23 months > CH4	0.115	0.115	0.108	0.103	0.115	0.115	0.113	0.111	0.107	0.108	0.108	0.104	0.100	0.096	0.093
Livestock population - Beef replacements 7-11 months > CH4	0.031	0.032	0.030	0.028	0.031	0.030	0.030	0.029	0.028	0.029	0.029	0.028	0.027	0.026	0.025
Livestock population - Bulls > CH4	0.079	0.078	0.078	0.078	0.083	0.084	0.078	0.078	0.072	0.078	0.078	0.078	0.072	0.072	0.072
Livestock population - Heifer Feedlot > CH4	0.122	0.095	0.085	0.084	0.077	0.087	0.074	0.079	0.080	0.093	0.093	0.095	0.104	0.115	0.107
Livestock population - Heifer Stockers > CH4	0.115	0.105	0.116	0.112	0.091	0.095	0.091	0.084	0.081	0.090	0.075	0.072	0.073	0.076	0.068
Livestock population - Steer Feedlot > CH4	0.243	0.189	0.172	0.168	0.153	0.168	0.140	0.144	0.152	0.172	0.172	0.173	0.195	0.218	0.203
Livestock population - Steer Stockers > CH4	0.434	0.325	0.372	0.398	0.356	0.389	0.355	0.346	0.327	0.329	0.299	0.281	0.282	0.280	0.267
3A1c - Sheep	0.168	0.171	0.167	0.150	0.181	0.171	0.155	0.148	0.134	0.139	0.136	0.135	0.127	0.123	0.114
Livestock population - Sheep > CH4	0.168	0.171	0.167	0.150	0.181	0.171	0.155	0.148	0.134	0.139	0.136	0.135	0.127	0.123	0.114
3A1d - Goats	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.007	0.008	0.009	0.010	0.011	0.011	0.011
Livestock population - Goats > CH4	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.007	0.008	0.009	0.010	0.011	0.011	0.011
3A1f - Horses	0.240	0.241	0.242	0.243	0.242	0.243	0.244	0.244	0.245	0.248	0.248	0.248	0.248	0.248	0.248
Livestock population - Horses > CH4	0.240	0.241	0.242	0.243	0.242	0.243	0.244	0.244	0.245	0.248	0.248	0.248	0.248	0.248	0.248
3A1h - Swine	0.006	0.007	0.008	0.008	0.008	0.008	0.007	0.007	0.007	0.006	0.005	0.003	0.005	0.004	0.004
Livestock population - Swine > CH4	0.006	0.007	0.008	0.008	0.008	0.008	0.007	0.007	0.007	0.006	0.005	0.003	0.005	0.004	0.004
3A2 - Manure Management	5.00	5.09	5.18	4.99	5.31	5.56	5.22	5.59	5.49	5.96	6.12	6.49	6.74	6.98	6.91
3A2a - Cattle	4.683	4.767	4.856	4.679	5.002	5.258	4.932	5.302	5.237	5.704	5.886	6.266	6.515	6.763	6.703
3A2ai - Dairy Cows	4.359	4.482	4.595	4.395	4.752	4.990	4.701	5.056	4.984	5.443	5.618	5.979	6.219	6.462	6.405
Livestock population - Dairy Cows > CH4	4.012	4.141	4.228	4.028	4.355	4.584	4.288	4.637	4.556	4.986	5.154	5.504	5.724	5.961	5.927
Livestock population - Dairy Cows > N2O	0.084	0.086	0.087	0.090	0.091	0.093	0.096	0.099	0.100	0.103	0.107	0.111	0.115	0.118	0.121
Livestock population - Dairy Heifers > CH4	0.027	0.026	0.029	0.028	0.031	0.032	0.032	0.032	0.032	0.035	0.036	0.037	0.038	0.039	0.036
Livestock population - Dairy Heifers > N2O	0.237	0.230	0.251	0.250	0.275	0.281	0.285	0.288	0.295	0.318	0.321	0.328	0.342	0.344	0.321
3A2aii - Other Cattle	0.324	0.285	0.261	0.284	0.250	0.268	0.231	0.246	0.253	0.261	0.268	0.287	0.295	0.302	0.298
Livestock population - Feedlot - Heifers 500+ lbs > CH4	0.008	0.007	0.006	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.006	0.005
Livestock population - Feedlot - Heifers 500+ lbs > N2O	0.041	0.040	0.037	0.040	0.030	0.034	0.029	0.031	0.033	0.036	0.036	0.040	0.041	0.044	0.043
Livestock population - Feedlot - Steers 500+ lbs > CH4	0.030	0.023	0.019	0.021	0.017	0.017	0.013	0.014	0.015	0.015	0.017	0.018	0.019	0.020	0.015
Livestock population - Feedlot - Steers 500+ lbs > N2O	0.167	0.137	0.124	0.145	0.122	0.137	0.109	0.124	0.130	0.131	0.140	0.154	0.163	0.167	0.170
Livestock population - Not on Feed - Beef Cows > CH4	0.044	0.041	0.040	0.039	0.040	0.039	0.038	0.037	0.037	0.037	0.036	0.036	0.035	0.034	0.033
Livestock population - Not on Feed - Beef Cows > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Not on Feed - Bulls 500+ lbs > CH4	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Livestock population - Not on Feed - Bulls 500+ lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Not on Feed - Calves <500 lbs > CH4	0.012	0.013	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.014	0.014	0.015	0.015	0.015	0.015
Livestock population - Not on Feed - Calves <500 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Not on Feed - Heifers 500+ lbs > CH4	0.009	0.009	0.009	0.008	0.009	0.009	0.009	0.009	0.008	0.009	0.008	0.007	0.007	0.007	0.007

California Greenhouse Gas Inventory (millions of metric tonnes of CO2 equivalent) — By IPCC Category

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Last Updated: Monday, November 19, 2007															
Crop acreage burned - Almond > N2O	0.016	0.016	0.016	0.016	0.019	0.019	0.019	0.019	0.022	0.023	0.023	0.023	0.023	0.024	0.024
Crop acreage burned - Barley > CH4	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Crop acreage burned - Barley > N2O	0.002	0.001	0.001	0.001	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Crop acreage burned - Corn > CH4	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Crop acreage burned - Corn > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Crop acreage burned - Rice > CH4	0.015	0.013	0.011	0.013	0.011	0.010	0.008	0.006	0.006	0.006	0.006	0.003	0.004	0.003	0.004
Crop acreage burned - Rice > N2O	0.060	0.054	0.047	0.052	0.045	0.041	0.034	0.025	0.023	0.024	0.026	0.014	0.014	0.014	0.016
Crop acreage burned - Walnut > CH4	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006
Crop acreage burned - Walnut > N2O	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.011
Crop acreage burned - Wheat > CH4	0.005	0.003	0.004	0.004	0.004	0.004	0.005	0.004	0.005	0.004	0.004	0.004	0.004	0.006	0.005
Crop acreage burned - Wheat > N2O	0.004	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.005	0.004
3C2 - Liming	0.07	0.10	0.11	0.07	0.16	0.27	0.27	0.35	0.25	0.30	0.27	0.16	0.23	0.24	0.24
Dolomite applied to soils > CO2	0.000	0.001	0.001	0.001	0.002	0.003	0.004	0.005	0.003	0.004	0.003	0.001	0.002	0.002	0.002
Limestone applied to soils > CO2	0.072	0.098	0.108	0.073	0.157	0.271	0.267	0.348	0.246	0.294	0.263	0.161	0.231	0.236	0.236
3C4 - Direct N2O Emissions from Managed Soils	5.20	4.69	4.73	4.99	4.85	5.28	5.15	4.65	4.74	4.84	5.28	5.04	6.38	6.29	6.24
Histosols cultivation > N2O	0.181	0.178	0.175	0.172	0.169	0.166	0.163	0.160	0.157	0.154	0.151	0.148	0.145	0.142	0.139
Nitrogen applied in fertilizer - Organic fertilizers > N2O	0.012	0.008	0.012	0.006	0.017	0.015	0.013	0.005	0.004	0.005	0.035	0.011	0.017	0.022	0.009
Nitrogen applied in fertilizer - Synthetic fertilizers > N2O	2.239	1.814	1.967	2.335	2.034	2.662	2.524	2.027	2.156	2.176	2.656	2.445	3.680	3.639	3.654
Nitrogen fixed by legume crops > N2O	1.052	1.024	0.924	0.859	0.944	0.792	0.793	0.832	0.816	0.869	0.849	0.831	0.939	0.893	0.858
Nitrogen in crop residues > N2O	0.093	0.072	0.077	0.077	0.082	0.069	0.078	0.080	0.078	0.078	0.081	0.108	0.122	0.121	0.130
Nitrogen in manure deposited on pasture/range > N2O	1.549	1.516	1.494	1.455	1.517	1.490	1.488	1.455	1.434	1.463	1.404	1.390	1.368	1.367	1.336
Nitrogen in manure spread daily > N2O	0.078	0.079	0.081	0.083	0.085	0.086	0.088	0.090	0.091	0.095	0.099	0.103	0.107	0.110	0.110
3C5 - Indirect N2O Emissions from Managed Soils	1.44	1.29	1.33	1.45	1.37	1.59	1.54	1.38	1.42	1.44	1.66	1.59	2.01	2.00	2.00
Nitrogen applied in fertilizer - Organic fertilizers > N2O	0.003	0.002	0.003	0.002	0.004	0.004	0.003	0.001	0.001	0.001	0.009	0.003	0.004	0.006	0.002
Nitrogen applied in fertilizer - Synthetic fertilizers > N2O	0.249	0.202	0.219	0.259	0.226	0.296	0.280	0.225	0.240	0.242	0.295	0.272	0.409	0.404	0.406
Nitrogen applied in fertilizer (leaching & runoff) - Organic fertilizers > N2O	0.003	0.002	0.003	0.001	0.004	0.003	0.003	0.001	0.001	0.001	0.008	0.002	0.004	0.005	0.002
Nitrogen applied in fertilizer (leaching & runoff) - Synthetic fertilizers > N2O	0.504	0.408	0.443	0.525	0.458	0.599	0.568	0.456	0.485	0.490	0.598	0.550	0.828	0.819	0.822
Nitrogen in manure (leaching & runoff) > N2O	0.325	0.319	0.316	0.314	0.321	0.325	0.326	0.329	0.329	0.337	0.353	0.359	0.362	0.365	0.362
Nitrogen volatilized from manure on soils > N2O	0.361	0.354	0.352	0.349	0.357	0.361	0.362	0.366	0.365	0.374	0.393	0.399	0.403	0.406	0.402
3C7 - Rice Cultivations	0.41	0.36	0.41	0.45	0.50	0.48	0.52	0.54	0.47	0.52	0.57	0.49	0.55	0.53	0.61
Harvested rice area > CH4	0.410	0.363	0.409	0.453	0.503	0.482	0.518	0.535	0.475	0.524	0.568	0.488	0.547	0.526	0.612
4 - Waste	9.42	9.21	9.47	9.59	9.67	9.25	9.19	9.19	9.40	9.46	9.31	9.43	9.36	9.46	9.44
4A - Solid Waste Disposal	6.26	5.99	6.21	6.28	6.30	5.88	5.77	5.72	5.91	5.86	5.64	5.70	5.62	5.67	5.62
4A1 - Managed Waste Disposal Sites	6.26	5.99	6.21	6.28	6.30	5.88	5.77	5.72	5.91	5.86	5.64	5.70	5.62	5.67	5.62
Landfills > Landfill emissions - Landfill Gas > CH4	6.256	5.987	6.209	6.278	6.295	5.875	5.772	5.720	5.908	5.861	5.644	5.704	5.619	5.674	5.615
Landfills > Landfill emissions - Landfill Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4D - Wastewater Treatment and Discharge	3.17	3.23	3.26	3.31	3.38	3.37	3.41	3.47	3.49	3.60	3.66	3.72	3.74	3.79	3.82
4D1 - Domestic Wastewater Treatment and Discharge	2.83	2.91	2.96	2.99	3.03	3.04	3.07	3.12	3.17	3.24	3.28	3.36	3.33	3.40	3.43
Waste water treatment : Domestic Waste Water > California Population > CH4	2.008	2.050	2.086	2.108	2.122	2.134	2.151	2.184	2.212	2.249	2.280	2.338	2.321	2.366	2.382
Waste water treatment : Domestic Waste Water > California Population > N2O	0.826	0.855	0.873	0.886	0.913	0.906	0.916	0.935	0.954	0.989	1.000	1.022	1.010	1.034	1.046
4D2 - Industrial Wastewater Treatment and Discharge	0.34	0.32	0.31	0.32	0.34	0.33	0.35	0.35	0.33	0.36	0.38	0.36	0.41	0.39	0.40
Manufacturing : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil & Gas Extraction : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Marketing : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.001	0.001

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	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Waste water treatment : Industrial Waste Water > Production Processed - Fruit and Vegetables > CH4	0.222	0.214	0.209	0.229	0.252	0.234	0.250	0.252	0.235	0.263	0.270	0.246	0.284	0.256	0.265
Waste water treatment : Industrial Waste Water > Production Processed - Poultry > CH4	0.042	0.040	0.037	0.033	0.032	0.032	0.032	0.032	0.030	0.030	0.045	0.046	0.045	0.043	0.043
Waste water treatment : Industrial Waste Water > Production Processed - Red Meat > CH4	0.069	0.066	0.058	0.056	0.059	0.064	0.065	0.064	0.064	0.065	0.066	0.069	0.083	0.088	0.088

Summary of Categories Included in the Inventory.

(using IPCC Second Assessment Report's GWPs)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Gross California Emissions	433.29	416.94	418.71	415.42	427.61	416.97	414.58	432.89	449.05	456.50	457.29	473.49	468.54	467.42	484.40
Sinks from Forests and Rangelands	-6.69	-6.54	-6.33	-6.03	-5.79	-5.56	-5.42	-5.37	-5.19	-5.18	-5.02	-4.83	-4.69	-4.67	-4.66
Net California Emissions	426.60	410.40	412.38	409.39	421.81	411.41	409.17	427.51	443.86	451.32	452.27	468.66	463.84	462.75	479.74

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Last Updated: Monday, November 19, 2007

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Categories Excluded from the Inventory.	<i>(CO2 equivalence based upon IPCC Second Assessment Report's Global Warming Potentials)</i>														
1 - Energy	59.02	53.00	45.38	46.22	52.91	55.13	56.51	48.61	48.37	50.47	55.52	51.08	53.06	40.80	44.16
1A - Fuel Combustion Activities	59.02	53.00	45.38	46.22	52.91	55.13	56.51	48.61	48.37	50.47	55.52	51.08	53.06	40.80	44.16
1A3 - Transport	59.02	53.00	45.38	46.22	52.91	55.13	56.51	48.61	48.37	50.47	55.52	51.08	53.06	40.80	44.16
1A3a - Civil Aviation	33.954	32.419	31.597	32.948	36.569	34.993	38.210	38.275	39.121	36.626	38.582	35.536	38.428	30.843	32.916
1A3ai - International Aviation (International Bunkers)	14.597	13.852	13.324	13.707	15.156	14.611	15.905	15.809	16.152	15.124	15.787	14.900	15.681	12.680	13.483
Aviation : International Civil Aviation - Jet Fuel > CH4 (Excluded)	0.008	0.008	0.008	0.008	0.009	0.008	0.009	0.009	0.009	0.009	0.009	0.008	0.009	0.007	0.008
Aviation : International Civil Aviation - Jet Fuel > CO2 (Excluded)	14.449	13.711	13.188	13.567	15.002	14.462	15.743	15.648	15.988	14.969	15.626	14.748	15.521	12.551	13.345
Aviation : International Civil Aviation - Jet Fuel > N2O (Excluded)	0.140	0.133	0.128	0.132	0.146	0.141	0.153	0.152	0.156	0.146	0.152	0.143	0.151	0.122	0.130
1A3aii - Domestic Aviation	19.357	18.567	18.274	19.241	21.413	20.382	22.305	22.466	22.968	21.502	22.795	20.636	22.748	18.163	19.433
Aviation : Domestic Air transport : Interstate - Jet Fuel > CH4 (Excluded)	0.011	0.010	0.010	0.011	0.012	0.012	0.013	0.013	0.013	0.012	0.013	0.012	0.013	0.010	0.011
Aviation : Domestic Air transport : Interstate - Jet Fuel > CO2 (Excluded)	19.160	18.378	18.088	19.045	21.194	20.175	22.078	22.237	22.734	21.283	22.563	20.425	22.516	17.977	19.235
Aviation : Domestic Air transport : Interstate - Jet Fuel > N2O (Excluded)	0.186	0.178	0.175	0.185	0.206	0.196	0.215	0.216	0.221	0.207	0.219	0.199	0.219	0.175	0.187
1A3d - Water-borne Navigation	25.062	20.579	13.787	13.269	16.342	20.133	18.304	10.332	9.246	13.848	16.941	15.543	14.633	9.953	11.242
1A3di - International Water-borne Navigation (International Bunkers)	25.062	20.579	13.787	13.269	16.342	20.133	18.304	10.332	9.246	13.848	16.941	15.543	14.633	9.953	11.242
Water-borne : International Marine Bunker Fuel - Distillate > CH4 (Excluded)	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.000
Water-borne : International Marine Bunker Fuel - Distillate > CO2 (Excluded)	0.352	0.532	0.000	0.000	0.109	0.000	0.000	0.475	0.014	0.114	0.385	0.203	0.086	0.000	0.000
Water-borne : International Marine Bunker Fuel - Distillate > N2O (Excluded)	0.003	0.004	0.000	0.000	0.001	0.000	0.000	0.004	0.000	0.001	0.003	0.002	0.001	0.000	0.000
Water-borne : International Marine Bunker Fuel - Residual Fuel Oil > CH4 (Excluded)	0.036	0.029	0.020	0.019	0.024	0.029	0.027	0.014	0.013	0.020	0.024	0.022	0.021	0.014	0.016
Water-borne : International Marine Bunker Fuel - Residual Fuel Oil > CO2 (Excluded)	24.487	19.863	13.665	13.151	16.087	19.954	18.141	9.765	9.150	13.610	16.404	15.201	14.417	9.864	11.142
Water-borne : International Marine Bunker Fuel - Residual Fuel Oil > N2O (Excluded)	0.184	0.149	0.103	0.099	0.121	0.150	0.136	0.073	0.069	0.102	0.123	0.114	0.108	0.074	0.084

Summary of Categories Excluded from the Inventory.*(using IPCC Second Assessment Report's GWPs)*

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Gross California Emissions	59.02	53.00	45.38	46.22	52.91	55.13	56.51	48.61	48.37	50.47	55.52	51.08	53.06	40.80	44.16
Net California Emissions	59.02	53.00	45.38	46.22	52.91	55.13	56.51	48.61	48.37	50.47	55.52	51.08	53.06	40.80	44.16