

## California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category

million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>1 - Energy</b>	<b>401.77</b>	<b>417.02</b>	<b>414.71</b>	<b>412.72</b>	<b>422.52</b>	<b>414.22</b>	<b>411.46</b>	<b>417.00</b>	<b>413.80</b>
<b>1A - Fuel Combustion Activities</b>	<b>397.01</b>	<b>412.42</b>	<b>409.74</b>	<b>408.30</b>	<b>418.24</b>	<b>409.41</b>	<b>406.10</b>	<b>411.61</b>	<b>408.43</b>
<b>1A1 - Energy Industries</b>	<b>160.18</b>	<b>175.68</b>	<b>161.23</b>	<b>166.81</b>	<b>172.18</b>	<b>163.40</b>	<b>158.54</b>	<b>166.60</b>	<b>171.23</b>
1A1a - Main Activity Electricity and Heat Production	114.97	130.39	116.27	118.82	124.48	115.90	112.63	120.69	125.10
1A1ai - Electricity Generation	82.781	101.101	83.085	89.220	94.686	87.717	85.667	94.564	100.026
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
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Coal > CO2	0.989	0.959	0.802	0.950	0.767	0.742	0.509	0.930	0.862
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Coal > N2O	0.005	0.005	0.004	0.005	0.004	0.004	0.002	0.004	0.004
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
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Distillate > CO2	0.001	0.001	0.001	0.003	0.001	0.001	0.001	0.001	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
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
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Coal > CO2	0.205	0.203	0.191	0.191	0.195	0.193	0.195	0.180	0.195
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Coal > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
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
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Distillate > CO2	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
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
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Coal > CO2	4.933	5.151	4.271	5.163	4.975	5.129	5.280	4.821	4.614
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Coal > N2O	0.024	0.025	0.020	0.025	0.024	0.025	0.025	0.023	0.023
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
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Natural gas > CO2	0.010	0.010	0.012	0.009	0.008	0.006	0.006	0.006	0.007
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
Imported Electricity : Specified Imports : PSW : Hunter (UT) - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Hunter (UT) - Coal > CO2	0.209	0.217	0.205	0.203	0.217	0.216	0.210	0.188	0.205
Imported Electricity : Specified Imports : PSW : Hunter (UT) - Coal > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Imported Electricity : Specified Imports : PSW : Hunter (UT) - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Hunter (UT) - Distillate > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Hunter (UT) - Distillate > N2O	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	0.003	0.002	0.003	0.002	0.002
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Coal > CO2	10.973	10.923	10.862	11.073	11.363	10.878	11.395	10.771	10.734
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Coal > N2O	0.055	0.054	0.054	0.055	0.057	0.054	0.057	0.054	0.053
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
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Distillate > CO2	0.005	0.005	0.004	0.005	0.004	0.004	0.004	0.003	0.003
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
Imported Electricity : Specified Imports : PSW : La Rosita (MEX) - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : La Rosita (MEX) - Natural gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.983
Imported Electricity : Specified Imports : PSW : La Rosita (MEX) - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Coal > CH4	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Coal > CO2	7.255	6.899	6.014	5.744	6.035	6.279	0.000	0.000	0.000
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Coal > N2O	0.036	0.034	0.030	0.029	0.030	0.031	0.000	0.000	0.000
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

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Imported Electricity : Specified Imports : PSW : Mohave (NV) - Natural gas > CO2	0.026	0.011	0.006	0.008	0.006	0.006	0.000	0.000	0.000
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
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
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Coal > CO2	3.414	3.296	3.427	3.122	3.314	3.008	3.178	3.255	3.235
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Coal > N2O	0.017	0.016	0.017	0.016	0.016	0.015	0.016	0.016	0.016
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
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Distillate > CO2	0.003	0.003	0.003	0.004	0.002	0.003	0.002	0.003	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
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
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Coal > CO2	1.245	1.125	1.166	1.121	1.121	1.111	1.036	1.033	0.918
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Coal > N2O	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.005
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
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Distillate > CO2	0.002	0.002	0.003	0.002	0.002	0.003	0.001	0.001	0.000
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
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Coal > CH4	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Coal > CO2	0.542	2.859	2.894	2.705	2.921	2.896	2.885	2.665	2.455
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Coal > N2O	0.003	0.014	0.014	0.013	0.014	0.014	0.014	0.013	0.012
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
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Distillate > CO2	0.001	0.005	0.005	0.008	0.005	0.005	0.006	0.006	0.008
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
Imported Electricity : Specified Imports : PSW : Termoelectrica de Mexicali (MEX) - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Imported Electricity : Specified Imports : PSW : Termoelectrica de Mexicali (MEX) - Natural gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.236	1.569
Imported Electricity : Specified Imports : PSW : Termoelectrica de Mexicali (MEX) - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
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
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Distillate > CO2	0.017	0.029	0.001	0.001	0.002	0.000	0.001	0.001	0.001
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
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
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Natural gas > CO2	0.108	0.140	0.105	0.068	0.070	0.064	0.071	0.075	0.077
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
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
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	0.000	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
Imported Electricity : Unspecified Imports : PNW - Imported electricity > CH4	0.001	0.001	0.001	0.002	0.002	0.001	0.002	0.002	0.002
Imported Electricity : Unspecified Imports : PNW - Imported electricity > CO2	4.314	2.427	5.776	8.305	7.127	5.736	6.993	7.448	10.156
Imported Electricity : Unspecified Imports : PNW - Imported electricity > N2O	0.021	0.012	0.024	0.036	0.030	0.024	0.029	0.032	0.043
Imported Electricity : Unspecified Imports : PSW - Imported electricity > CH4	0.002	0.005	0.005	0.006	0.007	0.006	0.005	0.006	0.006
Imported Electricity : Unspecified Imports : PSW - Imported electricity > CO2	9.450	22.154	19.539	21.778	24.065	22.592	19.305	23.001	24.878
Imported Electricity : Unspecified Imports : PSW - Imported electricity > N2O	0.040	0.093	0.076	0.085	0.086	0.084	0.065	0.086	0.104
In State Generation : Merchant Owned - Biomass > CH4	0.025	0.022	0.029	0.030	0.028	0.029	0.029	0.027	0.028
In State Generation : Merchant Owned - Biomass > N2O	0.049	0.043	0.056	0.059	0.056	0.058	0.058	0.054	0.056
In State Generation : Merchant Owned - Crude oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
In State Generation : Merchant Owned - Crude oil > CO2	0.000	0.000	0.000	0.018	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Crude oil > N2O	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 > CH4	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
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
In State Generation : Merchant Owned - Distillate > CO2	0.249	0.480	0.050	0.057	0.050	0.045	0.034	0.019	0.023
In State Generation : Merchant Owned - Distillate > N2O	0.001	0.001	0.000	0.000	0.000	0.000	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
In State Generation : Merchant Owned - Jet fuel > CO2	0.000	0.000	0.000	0.002	0.022	0.035	0.042	0.025	0.010
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
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
In State Generation : Merchant Owned - Kerosene > CO2	0.000	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Landfill gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Landfill gas > N2O	0.001	0.001	0.000	0.000	0.001	0.000	0.001	0.001	0.001
In State Generation : Merchant Owned - MSW > CH4	0.005	0.005	0.005	0.005	0.005	0.004	0.005	0.005	0.002
In State Generation : Merchant Owned - MSW > CO2	0.249	0.252	0.259	0.242	0.229	0.211	0.241	0.242	0.104
In State Generation : Merchant Owned - MSW > N2O	0.010	0.010	0.010	0.010	0.009	0.008	0.010	0.010	0.004
In State Generation : Merchant Owned - Natural gas > CH4	0.012	0.014	0.008	0.009	0.010	0.008	0.009	0.010	0.010
In State Generation : Merchant Owned - Natural gas > CO2	30.095	35.813	21.294	21.519	24.918	20.474	23.546	26.309	26.295
In State Generation : Merchant Owned - Natural gas > N2O	0.018	0.021	0.012	0.013	0.015	0.012	0.014	0.015	0.015
In State Generation : Merchant Owned - Petroleum coke > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
In State Generation : Merchant Owned - Petroleum coke > CO2	0.928	0.958	0.927	1.155	1.199	1.222	1.235	1.288	1.130
In State Generation : Merchant Owned - Petroleum coke > N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
In State Generation : Merchant Owned - Refinery gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Refinery gas > CO2	0.092	0.000	0.000	0.000	0.037	0.084	0.085	0.411	0.083
In State Generation : Merchant Owned - Refinery gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Residual fuel oil > CO2	0.029	0.044	0.020	0.004	0.000	0.002	0.002	0.001	0.000
In State Generation : Merchant Owned - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Waste oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Waste oil > CO2	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Waste oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned - Biomass > CH4	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned - Biomass > N2O	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned - Digester gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned - Digester gas > N2O	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned - Distillate > CO2	0.129	0.104	0.045	0.051	0.049	0.056	0.050	0.051	0.050
In State Generation : Utility Owned - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned - Landfill gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned - Landfill gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned - Natural gas > CH4	0.003	0.003	0.002	0.002	0.002	0.002	0.004	0.004	0.004

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In State Generation : Utility Owned - Natural gas > CO2	6.927	6.432	4.811	5.289	5.569	6.311	8.983	10.200	11.014
In State Generation : Utility Owned - Natural gas > N2O	0.004	0.004	0.003	0.003	0.003	0.004	0.005	0.006	0.006
In State Generation : Utility Owned - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned - Residual fuel oil > CO2	0.014	0.199	0.000	0.002	0.000	0.000	0.006	0.008	0.004
In State Generation : Utility Owned - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A1a(ii) - Combined Heat and Power Generation (CHP)</b>	<b>32.192</b>	<b>29.293</b>	<b>33.184</b>	<b>29.604</b>	<b>29.797</b>	<b>28.178</b>	<b>26.960</b>	<b>26.126</b>	<b>25.071</b>
CHP: Commercial : Useful Thermal Output - Crude oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Crude oil > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000
CHP: Commercial : Useful Thermal Output - Crude oil > N2O	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 > CH4	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
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
CHP: Commercial : Useful Thermal Output - Distillate > CO2	0.000	0.000	0.000	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
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
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
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
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
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
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
CHP: Commercial : Useful Thermal Output - Natural gas > CO2	1.108	1.072	1.075	0.263	0.485	0.148	0.172	0.480	0.372
CHP: Commercial : Useful Thermal Output - Natural gas > N2O	0.001	0.001	0.001	0.000	0.000	0.000	0.000	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
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
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
CHP: Industrial : Useful Thermal Output - Biomass > CH4	0.009	0.007	0.004	0.004	0.009	0.010	0.007	0.010	0.010
CHP: Industrial : Useful Thermal Output - Biomass > N2O	0.017	0.014	0.008	0.008	0.018	0.020	0.014	0.020	0.019
CHP: Industrial : Useful Thermal Output - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Coal > CO2	1.650	1.713	1.648	1.733	1.378	1.521	1.509	2.034	1.716
CHP: Industrial : Useful Thermal Output - Coal > N2O	0.008	0.009	0.008	0.009	0.007	0.008	0.008	0.010	0.009
CHP: Industrial : Useful Thermal Output - Crude oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Crude oil > CO2	0.045	0.046	0.030	0.057	0.049	0.041	0.038	0.064	0.067
CHP: Industrial : Useful Thermal Output - Crude oil > N2O	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
CHP: Industrial : Useful Thermal Output - Distillate > CO2	0.002	0.002	0.000	0.000	0.000	0.000	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
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
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
CHP: Industrial : Useful Thermal Output - Natural gas > CH4	0.003	0.003	0.003	0.003	0.001	0.002	0.002	0.003	0.003
CHP: Industrial : Useful Thermal Output - Natural gas > CO2	7.654	6.829	8.114	7.670	3.744	3.821	3.998	7.774	7.504
CHP: Industrial : Useful Thermal Output - Natural gas > N2O	0.004	0.004	0.005	0.004	0.002	0.002	0.002	0.005	0.004
CHP: Industrial : Useful Thermal Output - Petroleum coke > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Petroleum coke > CO2	0.588	0.640	0.281	0.252	0.605	0.611	0.541	0.452	0.100

**California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category***million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)*

<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
CHP: Industrial : Useful Thermal Output - Petroleum coke > N2O	0.001	0.001	0.001	0.000	0.001	0.001	0.001	0.001	0.000
CHP: Industrial : Useful Thermal Output - Propane > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Propane > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Propane > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Refinery gas > CH4	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Refinery gas > CO2	1.859	1.354	0.731	0.880	0.357	0.822	0.729	0.758	1.001
CHP: Industrial : Useful Thermal Output - Refinery gas > N2O	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Residual fuel oil > CO2	0.001	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Tires > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Tires > CO2	0.007	0.000	0.006	0.012	0.000	0.000	0.000	0.010	0.006
CHP: Industrial : Useful Thermal Output - Tires > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Waste oil > CH4	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.001	0.000
CHP: Industrial : Useful Thermal Output - Waste oil > CO2	0.105	0.067	0.000	0.149	0.014	0.042	0.045	0.076	0.024
CHP: Industrial : Useful Thermal Output - Waste oil > N2O	0.002	0.001	0.000	0.003	0.000	0.001	0.001	0.001	0.000
In State Generation : CHP: Commercial - Crude oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Crude oil > CO2	0.000	0.000	0.064	0.002	0.000	0.000	0.000	0.001	0.000
In State Generation : CHP: Commercial - Crude oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Digester gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Distillate > CO2	0.001	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
In State Generation : CHP: Commercial - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Jet fuel > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Jet fuel > CO2	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Jet fuel > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Kerosene > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Landfill gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Landfill gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Natural gas > CO2	0.741	0.682	0.649	0.819	0.852	0.980	0.956	0.774	0.762
In State Generation : CHP: Commercial - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.000
In State Generation : CHP: Commercial - Propane > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Propane > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Propane > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Biomass > CH4	0.011	0.015	0.011	0.010	0.006	0.006	0.010	0.006	0.006
In State Generation : CHP: Industrial - Biomass > N2O	0.022	0.030	0.021	0.020	0.012	0.012	0.019	0.013	0.011
In State Generation : CHP: Industrial - Coal > CH4	0.001	0.000	0.001	0.000	0.001	0.001	0.001	0.000	0.000
In State Generation : CHP: Industrial - Coal > CO2	2.259	2.127	2.390	2.164	2.578	2.226	2.394	1.900	2.058
In State Generation : CHP: Industrial - Coal > N2O	0.011	0.011	0.012	0.011	0.013	0.011	0.012	0.009	0.010

**California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category***million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)*

<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
In State Generation : CHP: Industrial - Crude oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Crude oil > CO2	0.017	0.012	0.056	0.015	0.012	0.020	0.025	0.007	0.008
In State Generation : CHP: Industrial - Crude oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Digester gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Distillate > CO2	0.002	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Landfill gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Landfill gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Natural gas > CH4	0.005	0.005	0.006	0.005	0.007	0.006	0.006	0.004	0.004
In State Generation : CHP: Industrial - Natural gas > CO2	13.251	12.571	15.625	13.342	17.273	15.405	14.085	9.872	9.948
In State Generation : CHP: Industrial - Natural gas > N2O	0.008	0.007	0.009	0.008	0.010	0.009	0.008	0.006	0.006
In State Generation : CHP: Industrial - Petroleum coke > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000
In State Generation : CHP: Industrial - Petroleum coke > CO2	1.386	1.327	1.719	1.180	1.006	1.220	1.204	1.108	0.787
In State Generation : CHP: Industrial - Petroleum coke > N2O	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.001
In State Generation : CHP: Industrial - Propane > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Propane > CO2	0.000	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.001
In State Generation : CHP: Industrial - Propane > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Refinery gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Refinery gas > CO2	1.267	0.665	0.679	0.780	1.281	1.126	1.064	0.623	0.589
In State Generation : CHP: Industrial - Refinery gas > N2O	0.001	0.000	0.000	0.000	0.001	0.001	0.001	0.000	0.000
In State Generation : CHP: Industrial - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Residual fuel oil > CO2	0.000	0.000	0.000	0.000	0.003	0.001	0.000	0.000	0.000
In State Generation : CHP: Industrial - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Tires > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Tires > CO2	0.022	0.001	0.018	0.025	0.036	0.037	0.028	0.014	0.012
In State Generation : CHP: Industrial - Tires > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Waste oil > CH4	0.001	0.001	0.000	0.001	0.000	0.000	0.001	0.001	0.000
In State Generation : CHP: Industrial - Waste oil > CO2	0.113	0.060	0.002	0.162	0.030	0.056	0.074	0.069	0.029
In State Generation : CHP: Industrial - Waste oil > N2O	0.002	0.001	0.000	0.003	0.000	0.001	0.001	0.001	0.000
<b>1A1b - Petroleum Refining</b>	<b>26.91</b>	<b>27.01</b>	<b>27.73</b>	<b>28.70</b>	<b>28.00</b>	<b>29.19</b>	<b>29.76</b>	<b>29.60</b>	<b>29.19</b>
Petroleum Refining - Catalyst coke > CH4	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.003	0.003
Petroleum Refining - Catalyst coke > CO2	4.727	4.711	4.761	4.940	5.019	5.023	5.035	4.669	4.201
Petroleum Refining - Catalyst coke > N2O	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.010	0.009
Petroleum Refining - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Distillate > CO2	0.001	0.017	0.001	0.002	0.002	0.066	0.033	0.027	0.051
Petroleum Refining - Distillate > N2O	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - LPG > CO2	0.504	0.687	0.275	0.515	0.395	0.415	0.247	0.236	0.245
Petroleum Refining - LPG > N2O	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	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Petroleum Refining - Natural gas > CO2	6.198	5.584	6.526	6.783	6.893	7.101	6.999	7.375	7.624

## California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category

million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Petroleum Refining - Natural gas > N2O	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Petroleum Refining - Petroleum coke > CH4	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001
Petroleum Refining - Petroleum coke > CO2	0.399	0.400	0.389	0.418	0.424	0.840	2.077	2.181	2.309
Petroleum Refining - Petroleum coke > N2O	0.001	0.001	0.001	0.001	0.001	0.002	0.004	0.004	0.004
Petroleum Refining - Refinery gas > CH4	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Petroleum Refining - Refinery gas > CO2	15.049	15.574	15.742	16.002	15.230	15.704	15.330	15.074	14.722
Petroleum Refining - Refinery gas > N2O	0.007	0.008	0.008	0.008	0.007	0.008	0.007	0.007	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
Petroleum Refining - Residual fuel oil > CO2	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A1c - Manufacture of Solid Fuels and Other Energy Industries</b>	<b>18.29</b>	<b>18.28</b>	<b>17.24</b>	<b>19.29</b>	<b>19.70</b>	<b>18.32</b>	<b>16.15</b>	<b>16.31</b>	<b>16.95</b>
1A1cii - Other Energy Industries	18.289	18.284	17.238	19.290	19.702	18.316	16.148	16.306	16.946
Oil & Gas Extraction - Associated gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Oil & Gas Extraction - Associated gas > CO2	3.158	2.679	3.523	3.832	3.755	3.489	3.094	3.095	3.517
Oil & Gas Extraction - Associated gas > N2O	0.002	0.001	0.002	0.002	0.002	0.002	0.001	0.001	0.002
Oil & Gas Extraction - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil & Gas Extraction - Distillate > CO2	0.061	0.081	0.105	0.102	0.117	0.106	0.090	0.123	0.122
Oil & Gas Extraction - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil & Gas Extraction - Natural gas > CH4	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.005	0.005
Oil & Gas Extraction - Natural gas > CO2	14.485	14.668	12.930	14.815	15.050	14.052	12.518	12.512	12.459
Oil & Gas Extraction - Natural gas > N2O	0.008	0.009	0.007	0.009	0.009	0.008	0.007	0.007	0.007
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
Oil & Gas Extraction - Residual fuel oil > CO2	0.000	0.175	0.068	0.008	0.000	0.000	0.000	0.000	0.155
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
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
Pipelines : Natural Gas Pipelines - Natural gas > CO2	0.501	0.586	0.512	0.468	0.697	0.580	0.375	0.481	0.588
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
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
Pipelines : Non Natural Gas Pipelines - Natural gas > CO2	0.067	0.078	0.083	0.045	0.063	0.072	0.056	0.078	0.089
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
<b>1A2 - Manufacturing Industries and Construction</b>	<b>21.26</b>	<b>20.37</b>	<b>22.13</b>	<b>19.15</b>	<b>18.81</b>	<b>17.46</b>	<b>17.95</b>	<b>17.07</b>	<b>16.67</b>
Manufacturing : Primary Metals - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Primary Metals - Natural gas > CO2	0.813	0.777	0.920	0.753	0.721	0.600	0.448	0.520	0.535
Manufacturing : Primary Metals - Natural gas > N2O	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
1A2c - Chemicals	1.33	1.41	1.40	0.91	0.97	0.98	1.33	1.35	1.52
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural gas > CH4	0.001	0.001	0.001	0.000	0.000	0.000	0.001	0.001	0.001
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural gas > CO2	1.325	1.407	1.397	0.913	0.971	0.980	1.328	1.352	1.521
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural gas > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
1A2d - Pulp, Paper and Print	1.07	0.94	1.02	0.91	0.94	0.62	0.64	0.55	0.45
Manufacturing : Printing & Publishing - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Printing & Publishing - Natural gas > CO2	0.129	0.104	0.111	0.087	0.089	0.081	0.075	0.075	0.066
Manufacturing : Printing & Publishing - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category***million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)*

<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Manufacturing : Pulp & Paper - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper - Natural gas > CO2	0.940	0.837	0.912	0.826	0.848	0.539	0.563	0.474	0.381
Manufacturing : Pulp & Paper - Natural gas > N2O	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A2e - Food Processing, Beverages and Tobacco</b>	<b>3.96</b>	<b>3.50</b>	<b>3.87</b>	<b>3.11</b>	<b>3.15</b>	<b>3.02</b>	<b>3.30</b>	<b>3.32</b>	<b>2.87</b>
Manufacturing : Food Products - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Food Products - Natural gas > CO2	0.292	0.441	0.475	0.374	0.252	0.249	0.303	0.272	0.217
Manufacturing : Food Products - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Food Products : Food Processing - Natural gas > CH4	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 > CO2	3.291	2.874	3.182	2.510	2.463	2.386	2.850	2.931	2.589
Manufacturing : Food Products : Food Processing - Natural gas > N2O	0.002	0.002	0.002	0.001	0.001	0.001	0.002	0.002	0.002
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
Manufacturing : Food Products : Sugar & Confections - Natural gas > CO2	0.377	0.179	0.210	0.220	0.430	0.378	0.144	0.110	0.065
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
Manufacturing : Tobacco - Natural gas > CH4	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
Manufacturing : Tobacco - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A2f - Non-Metallic Minerals</b>	<b>5.46</b>	<b>5.29</b>	<b>5.52</b>	<b>5.31</b>	<b>5.29</b>	<b>5.34</b>	<b>5.34</b>	<b>4.82</b>	<b>4.23</b>
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
Manufacturing : Stone, Clay, Glass & Cement - Natural gas > CO2	0.736	0.662	0.798	0.655	0.670	0.739	0.775	0.673	0.499
Manufacturing : Stone, Clay, Glass & Cement - Natural gas > N2O	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 > CH4	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
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > CH4	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.005
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > CO2	3.086	3.068	3.050	3.032	3.013	2.995	2.827	2.567	2.269
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > N2O	0.015	0.015	0.015	0.015	0.015	0.015	0.014	0.013	0.011
Manufacturing : Stone, Clay, Glass & Cement : Cement - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Distillate > CO2	0.005	0.004	0.003	0.002	0.002	0.001	0.001	0.001	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural gas > CO2	0.130	0.144	0.150	0.160	0.168	0.176	0.151	0.132	0.113
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum coke > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum coke > CO2	0.569	0.579	0.588	0.598	0.607	0.617	0.728	0.701	0.750
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum coke > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Residual fuel oil > CO2	0.066	0.069	0.072	0.075	0.078	0.081	0.058	0.030	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > CO2	0.091	0.108	0.125	0.142	0.159	0.175	0.161	0.169	0.151
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural gas > CO2	0.162	0.088	0.120	0.098	0.040	0.007	0.112	0.087	0.108
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



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<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Manufacturing : Stone, Clay, Glass & Cement : Glass Containers - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Glass Containers - Natural gas > CO2	0.592	0.547	0.585	0.520	0.526	0.524	0.501	0.440	0.319
Manufacturing : Stone, Clay, Glass & Cement : Glass Containers - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2g - Transport Equipment	0.46	0.48	0.53	0.31	0.27	0.27	0.26	0.28	0.29
Manufacturing : Transportation Equip. - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Transportation Equip. - Natural gas > CO2	0.463	0.482	0.533	0.314	0.268	0.268	0.262	0.276	0.294
Manufacturing : Transportation Equip. - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2h - Machinery	1.79	1.27	1.35	0.98	1.00	1.01	1.04	0.99	0.93
Manufacturing : Electric & Electronic Equip. - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Electric & Electronic Equip. - Natural gas > CO2	0.059	0.043	0.055	0.029	0.031	0.028	0.029	0.029	0.029
Manufacturing : Electric & Electronic Equip. - Natural gas > N2O	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 > CH4	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	0.902	0.389	0.429	0.356	0.318	0.333	0.361	0.332	0.307
Manufacturing : Metal Durables : Computers & Office Machines - Natural gas > N2O	0.001	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
Manufacturing : Metal Durables : Fabricated Metal Products - Natural gas > CO2	0.677	0.703	0.736	0.491	0.518	0.524	0.506	0.505	0.461
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
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
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural gas > CO2	0.148	0.129	0.132	0.099	0.136	0.127	0.144	0.121	0.131
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
1A2i - Mining (excluding fuels) and Quarrying	0.87	0.31	0.32	0.34	0.36	0.34	0.11	0.16	0.19
Mining : Coal - Natural gas > CH4	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	0.006	0.003	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Coal - Natural gas > N2O	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
Mining : Metals - Natural gas > CO2	0.541	0.275	0.277	0.264	0.271	0.255	0.015	0.015	0.000
Mining : Metals - Natural gas > N2O	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
Mining : Non Metals - Natural gas > CO2	0.330	0.031	0.036	0.071	0.091	0.084	0.094	0.149	0.185
Mining : Non Metals - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2j - Wood and Wood Products	0.40	0.31	0.20	0.16	0.11	0.11	0.11	0.08	0.07
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
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural gas > CO2	0.060	0.053	0.056	0.042	0.043	0.041	0.039	0.034	0.027
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
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
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural gas > CO2	0.344	0.255	0.139	0.115	0.069	0.066	0.067	0.049	0.044
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
1A2k - Construction	0.41	0.60	0.62	0.63	0.77	0.74	0.62	0.50	0.46
Manufacturing : Construction - Ethanol > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Construction - Ethanol > CO2	0.001	0.002	0.002	0.012	0.021	0.020	0.019	0.015	0.015
Manufacturing : Construction - Ethanol > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Construction - Gasoline > CH4	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
Manufacturing : Construction - Gasoline > CO2	0.282	0.484	0.521	0.512	0.577	0.506	0.500	0.394	0.353

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<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Manufacturing : Construction - Gasoline > N2O	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001
Manufacturing : Construction - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Construction - Natural gas > CO2	0.130	0.117	0.098	0.108	0.174	0.215	0.095	0.088	0.094
Manufacturing : Construction - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2l - Textile and Leather	0.57	0.54	0.60	0.45	0.44	0.43	0.39	0.35	0.31
Manufacturing : Textiles : Apparel - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Apparel - Natural gas > CO2	0.026	0.025	0.028	0.016	0.020	0.021	0.022	0.020	0.014
Manufacturing : Textiles : Apparel - Natural gas > N2O	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
Manufacturing : Textiles : Leather - Natural gas > CO2	0.004	0.008	0.004	0.006	0.003	0.004	0.002	0.002	0.002
Manufacturing : Textiles : Leather - Natural gas > N2O	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
Manufacturing : Textiles : Textile Mills - Natural gas > CO2	0.542	0.502	0.570	0.425	0.418	0.409	0.367	0.327	0.289
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
1A2m - Non-specified Industry.	4.11	4.95	5.78	5.30	4.78	4.00	4.37	4.16	4.81
Manufacturing - Coal > CH4	0.003	0.003	0.003	0.004	0.003	0.004	0.003	0.004	0.004
Manufacturing - Coal > CO2	1.551	1.441	1.543	1.569	1.444	1.560	1.528	1.656	1.783
Manufacturing - Coal > N2O	0.008	0.007	0.008	0.008	0.007	0.008	0.008	0.008	0.009
Manufacturing - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing - Distillate > CO2	0.436	0.486	0.434	0.422	0.513	0.466	0.530	0.533	0.421
Manufacturing - Distillate > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing - Ethanol > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing - Ethanol > CO2	0.000	0.003	0.003	0.022	0.035	0.035	0.034	0.033	0.036
Manufacturing - Ethanol > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing - Gasoline > CH4	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing - Gasoline > CO2	0.150	0.833	0.878	0.915	0.964	0.888	0.878	0.850	0.866
Manufacturing - Gasoline > N2O	0.000	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002
Manufacturing - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing - Kerosene > CO2	0.009	0.013	0.003	0.013	0.013	0.013	0.010	0.009	0.003
Manufacturing - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing - LPG > CH4	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000
Manufacturing - LPG > CO2	1.447	1.548	2.234	1.630	1.167	0.426	0.730	0.465	1.088
Manufacturing - LPG > N2O	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.001
Manufacturing - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing - Natural gas > CO2	0.075	0.080	0.090	0.225	0.159	0.139	0.160	0.141	0.132
Manufacturing - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing - Residual fuel oil > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018
Manufacturing - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Plastics & Rubber - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Plastics & Rubber - Natural gas > CO2	0.046	0.059	0.072	0.020	0.014	0.012	0.008	0.014	0.018
Manufacturing : Plastics & Rubber - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Plastics & Rubber : Plastics - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category**

million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Manufacturing : Plastics & Rubber : Plastics - Natural gas > CO2	0.237	0.174	0.223	0.201	0.213	0.195	0.192	0.156	0.126
Manufacturing : Plastics & Rubber : Plastics - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Industrial - Other petroleum products > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Industrial - Other petroleum products > CO2	0.073	0.209	0.225	0.211	0.190	0.189	0.228	0.224	0.238
Not Specified Industrial - Other petroleum products > N2O	0.000	0.001	0.001	0.001	0.000	0.000	0.001	0.001	0.001
Not Specified Industrial - Wood (wet) > CH4	0.025	0.028	0.017	0.017	0.017	0.019	0.019	0.020	0.020
Not Specified Industrial - Wood (wet) > N2O	0.049	0.055	0.034	0.033	0.033	0.037	0.038	0.038	0.039
<b>1A3 - Transport</b>	<b>169.93</b>	<b>172.61</b>	<b>179.27</b>	<b>177.02</b>	<b>180.69</b>	<b>183.31</b>	<b>183.13</b>	<b>182.82</b>	<b>173.94</b>
Not Specified Transportation - Distillate > CH4	0.002	0.002	0.001	0.001	0.002	0.002	0.002	0.001	0.001
Not Specified Transportation - Distillate > CO2	2.118	2.874	1.729	1.678	1.764	1.884	1.791	1.337	1.061
Not Specified Transportation - Distillate > N2O	0.005	0.007	0.004	0.004	0.004	0.005	0.005	0.003	0.003
Not Specified Transportation - LPG > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Transportation - LPG > CO2	0.083	0.095	0.122	0.115	0.116	0.205	0.211	0.185	0.315
Not Specified Transportation - LPG > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Transportation - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Transportation - Residual fuel oil > CO2	0.000	0.002	0.000	0.014	0.000	0.006	0.005	0.021	0.008
Not Specified Transportation - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A3a - Civil Aviation	2.68	2.50	2.66	2.59	2.64	2.70	2.68	2.96	2.42
Aviation - Ethanol > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aviation - Ethanol > CO2	0.001	0.001	0.001	0.006	0.009	0.008	0.008	0.008	0.008
Aviation - Ethanol > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aviation - Gasoline > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aviation - Gasoline > CO2	0.262	0.242	0.268	0.261	0.236	0.212	0.202	0.216	0.183
Aviation - Gasoline > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000
1A3a <sub>ii</sub> - Domestic Aviation	2.420	2.259	2.393	2.319	2.393	2.484	2.469	2.737	2.224
Aviation : Domestic Air transport - Aviation gasoline > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aviation : Domestic Air transport - Aviation gasoline > CO2	0.252	0.187	0.209	0.210	0.193	0.185	0.161	0.154	0.142
Aviation : Domestic Air transport - Aviation gasoline > N2O	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000
Aviation : Domestic Air transport : Intrastate - Jet fuel > CH4	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 > CO2	2.144	2.050	2.161	2.087	2.177	2.275	2.284	2.556	2.060
Aviation : Domestic Air transport : Intrastate - Jet fuel > N2O	0.021	0.020	0.021	0.020	0.021	0.022	0.022	0.025	0.020
1A3b - Road Transportation	159.40	161.69	168.40	166.17	169.22	170.82	170.49	170.79	163.30
On Road - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
On Road - Natural gas > CO2	0.122	0.145	0.150	0.186	0.219	0.510	0.526	0.551	0.576
On Road - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A3b <sub>i</sub> - Cars	65.710	65.177	66.948	63.016	62.235	60.878	60.697	60.537	58.467
On Road : Light-duty Vehicles : Passenger Cars - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
On Road : Light-duty Vehicles : Passenger Cars - Distillate > CO2	0.351	0.307	0.297	0.247	0.258	0.210	0.166	0.158	0.129
On Road : Light-duty Vehicles : Passenger Cars - Distillate > N2O	0.004	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.001
On Road : Light-duty Vehicles : Passenger Cars - Ethanol > CH4	0.001	0.001	0.001	0.007	0.010	0.009	0.008	0.008	0.007
On Road : Light-duty Vehicles : Passenger Cars - Ethanol > CO2	0.158	0.212	0.256	1.420	2.120	2.208	2.198	2.179	2.258
On Road : Light-duty Vehicles : Passenger Cars - Ethanol > N2O	0.008	0.010	0.012	0.060	0.085	0.083	0.080	0.076	0.076
On Road : Light-duty Vehicles : Passenger Cars - Gasoline > CH4	0.281	0.250	0.231	0.195	0.174	0.152	0.139	0.127	0.111

**California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category**

million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
On Road : Light-duty Vehicles : Passenger Cars - Gasoline > CO2	62.743	62.409	64.264	59.454	58.083	56.834	56.787	56.726	54.721
On Road : Light-duty Vehicles : Passenger Cars - Gasoline > N2O	2.164	1.984	1.884	1.631	1.501	1.380	1.317	1.262	1.165
<b>1A3bii - Light-duty Trucks</b>	<b>60.836</b>	<b>63.607</b>	<b>67.967</b>	<b>69.093</b>	<b>71.203</b>	<b>72.531</b>	<b>71.975</b>	<b>71.630</b>	<b>68.859</b>
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Distillate > CO2	0.820	0.905	1.082	0.978	1.021	0.890	0.741	0.744	0.640
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Distillate > N2O	0.008	0.009	0.011	0.010	0.010	0.009	0.008	0.008	0.006
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > CH4	0.001	0.001	0.001	0.007	0.009	0.009	0.009	0.008	0.008
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > CO2	0.145	0.204	0.256	1.539	2.401	2.608	2.588	2.560	2.642
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > N2O	0.009	0.011	0.012	0.069	0.098	0.098	0.093	0.088	0.087
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > CH4	0.228	0.210	0.198	0.183	0.167	0.153	0.142	0.132	0.118
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > CO2	57.338	60.129	64.376	64.448	65.769	67.142	66.860	66.633	64.023
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > N2O	2.286	2.137	2.030	1.860	1.727	1.621	1.535	1.458	1.335
<b>1A3biii - Heavy-duty Trucks and Buses</b>	<b>32.491</b>	<b>32.446</b>	<b>32.972</b>	<b>33.344</b>	<b>34.980</b>	<b>36.311</b>	<b>36.684</b>	<b>37.454</b>	<b>34.791</b>
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Distillate > CH4	0.018	0.018	0.018	0.017	0.017	0.018	0.018	0.018	0.016
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Distillate > CO2	25.519	25.424	25.995	25.822	27.536	28.946	29.446	30.351	27.896
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Distillate > N2O	0.259	0.258	0.264	0.262	0.279	0.294	0.299	0.308	0.283
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > CH4	0.000	0.000	0.000	0.001	0.002	0.002	0.001	0.001	0.001
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > CO2	0.016	0.021	0.025	0.159	0.238	0.250	0.245	0.239	0.250
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > N2O	0.002	0.002	0.002	0.014	0.020	0.020	0.018	0.017	0.017
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > CH4	0.040	0.037	0.035	0.033	0.030	0.027	0.023	0.021	0.018
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > CO2	6.215	6.290	6.241	6.661	6.514	6.431	6.334	6.224	6.055
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > N2O	0.423	0.396	0.392	0.374	0.344	0.325	0.298	0.276	0.256
<b>1A3biv - Motorcycles</b>	<b>0.242</b>	<b>0.319</b>	<b>0.362</b>	<b>0.533</b>	<b>0.578</b>	<b>0.593</b>	<b>0.605</b>	<b>0.616</b>	<b>0.603</b>
On Road : Light-duty Vehicles : Motorcycles - Ethanol > CH4	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001
On Road : Light-duty Vehicles : Motorcycles - Ethanol > CO2	0.001	0.001	0.001	0.011	0.018	0.020	0.020	0.021	0.022
On Road : Light-duty Vehicles : Motorcycles - Ethanol > N2O	0.000	0.000	0.000	0.001	0.002	0.003	0.003	0.003	0.003
On Road : Light-duty Vehicles : Motorcycles - Gasoline > CH4	0.006	0.008	0.009	0.013	0.014	0.014	0.014	0.014	0.013
On Road : Light-duty Vehicles : Motorcycles - Gasoline > CO2	0.217	0.286	0.324	0.468	0.502	0.513	0.524	0.534	0.523
On Road : Light-duty Vehicles : Motorcycles - Gasoline > N2O	0.018	0.024	0.027	0.039	0.041	0.042	0.043	0.044	0.042
<b>1A3c - Railways</b>	<b>1.86</b>	<b>1.87</b>	<b>2.48</b>	<b>2.41</b>	<b>2.89</b>	<b>3.32</b>	<b>3.50</b>	<b>3.15</b>	<b>2.52</b>
Rail - Distillate > CH4	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.002
Rail - Distillate > CO2	1.857	1.868	2.472	2.400	2.881	3.307	3.492	3.135	2.516
Rail - Distillate > N2O	0.005	0.005	0.006	0.006	0.007	0.008	0.009	0.008	0.006
<b>1A3d - Water-borne Navigation</b>	<b>3.77</b>	<b>3.56</b>	<b>3.87</b>	<b>4.04</b>	<b>4.06</b>	<b>4.36</b>	<b>4.45</b>	<b>4.38</b>	<b>4.32</b>
<b>1A3di - International Water-borne Navigation (International Bunkers)</b>	<b>0.953</b>	<b>0.998</b>	<b>1.046</b>	<b>1.095</b>	<b>1.147</b>	<b>1.202</b>	<b>1.260</b>	<b>1.207</b>	<b>1.208</b>
Water-borne : International : Port activities - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : International : Port activities - Distillate > CO2	0.057	0.060	0.063	0.066	0.069	0.072	0.076	0.073	0.074
Water-borne : International : Port activities - Distillate > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Water-borne : International : Port activities - Residual fuel oil > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Water-borne : International : Port activities - Residual fuel oil > CO2	0.403	0.424	0.446	0.469	0.492	0.517	0.544	0.520	0.520
Water-borne : International : Port activities - Residual fuel oil > N2O	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Water-borne : International : Transit (CA waters) - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : International : Transit (CA waters) - Distillate > CO2	0.012	0.012	0.013	0.014	0.015	0.016	0.017	0.016	0.016

## California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category

million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Water-borne : International : Transit (CA waters) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : International : Transit (CA waters) - Residual fuel oil > CH4	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002
Water-borne : International : Transit (CA waters) - Residual fuel oil > CO2	0.472	0.493	0.514	0.536	0.560	0.585	0.611	0.585	0.585
Water-borne : International : Transit (CA waters) - Residual fuel oil > N2O	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005
<b>1A3dii - Domestic Water-borne Navigation</b>	<b>2.819</b>	<b>2.563</b>	<b>2.827</b>	<b>2.949</b>	<b>2.914</b>	<b>3.161</b>	<b>3.186</b>	<b>3.169</b>	<b>3.110</b>
Water-borne - Ethanol > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne - Ethanol > CO2	0.002	0.001	0.002	0.015	0.020	0.025	0.023	0.024	0.024
Water-borne - Ethanol > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne - Gasoline > CH4	0.001	0.000	0.001	0.001	0.000	0.001	0.001	0.001	0.001
Water-borne - Gasoline > CO2	0.704	0.392	0.593	0.639	0.537	0.653	0.604	0.638	0.583
Water-borne - Gasoline > N2O	0.002	0.001	0.002	0.002	0.001	0.002	0.002	0.002	0.002
Water-borne : Interstate : Port activities - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Interstate : Port activities - Distillate > CO2	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006
Water-borne : Interstate : Port activities - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Interstate : Port activities - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Interstate : Port activities - Residual fuel oil > CO2	0.051	0.053	0.056	0.059	0.061	0.064	0.067	0.063	0.062
Water-borne : Interstate : Port activities - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Interstate : Transit (CA waters) - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Interstate : Transit (CA waters) - Distillate > CO2	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004
Water-borne : Interstate : Transit (CA waters) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Interstate : Transit (CA waters) - Residual fuel oil > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Water-borne : Interstate : Transit (CA waters) - Residual fuel oil > CO2	0.204	0.214	0.225	0.236	0.248	0.260	0.273	0.261	0.261
Water-borne : Interstate : Transit (CA waters) - Residual fuel oil > N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Water-borne : Intrastate : Harbor craft - Distillate > CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Water-borne : Intrastate : Harbor craft - Distillate > CO2	1.144	1.151	1.158	1.166	1.172	1.237	1.251	1.257	1.258
Water-borne : Intrastate : Harbor craft - Distillate > N2O	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.013
Water-borne : Intrastate : Port activities - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Intrastate : Port activities - Distillate > CO2	0.019	0.020	0.021	0.022	0.024	0.025	0.026	0.025	0.025
Water-borne : Intrastate : Port activities - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Intrastate : Port activities - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Intrastate : Port activities - Residual fuel oil > CO2	0.193	0.203	0.213	0.223	0.234	0.246	0.257	0.243	0.239
Water-borne : Intrastate : Port activities - Residual fuel oil > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Water-borne : Intrastate : Transit (CA waters) - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Intrastate : Transit (CA waters) - Distillate > CO2	0.008	0.008	0.009	0.009	0.010	0.011	0.011	0.011	0.011
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
Water-borne : Intrastate : Transit (CA waters) - Residual fuel oil > CH4	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002
Water-borne : Intrastate : Transit (CA waters) - Residual fuel oil > CO2	0.459	0.485	0.512	0.540	0.569	0.599	0.631	0.605	0.606
Water-borne : Intrastate : Transit (CA waters) - Residual fuel oil > N2O	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.005	0.005
<b>1A4 - Other Sectors</b>	<b>45.64</b>	<b>43.75</b>	<b>47.10</b>	<b>45.31</b>	<b>46.56</b>	<b>45.24</b>	<b>46.48</b>	<b>45.11</b>	<b>46.59</b>
1A4a - Commercial/Institutional	11.69	11.32	13.37	12.81	12.71	12.56	12.84	12.73	14.31
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
Communication : Other Message Communications - Natural gas > CO2	0.141	0.128	0.156	0.145	0.153	0.140	0.156	0.149	0.138

**California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category***million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)*

<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
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
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
Communication : Radio Broadcasting Stations - Natural gas > CO2	0.008	0.004	0.004	0.008	0.006	0.005	0.006	0.007	0.007
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
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
Communication : Telephone & Cell Phone Services - Natural gas > CO2	0.029	0.025	0.027	0.016	0.014	0.015	0.014	0.009	0.009
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
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
Communication : U.S. Postal Service - Natural gas > CO2	0.017	0.017	0.020	0.017	0.014	0.007	0.012	0.015	0.016
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
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
Domestic Utilities : Sewerage Systems - Natural gas > CO2	0.131	0.071	0.023	0.070	0.115	0.125	0.063	0.070	0.080
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
Domestic Utilities : Water Supply - Natural gas > CH4	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Water Supply - Natural gas > CO2	0.121	0.104	0.145	0.298	0.208	0.103	0.121	0.116	0.109
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
Education : College - Natural gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Education : College - Natural gas > CO2	0.670	0.536	0.646	0.571	0.578	0.601	0.573	0.557	0.452
Education : College - Natural gas > N2O	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
Education : School - Natural gas > CO2	0.573	0.533	0.614	0.520	0.508	0.470	0.542	0.534	0.524
Education : School - Natural gas > N2O	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	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
Food Services : Food & Liquor - Natural gas > CO2	0.026	0.178	0.202	0.714	0.603	0.580	0.486	0.484	0.449
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
Food Services : Restaurant - Natural gas > CH4	0.004	0.004	0.005	0.003	0.003	0.003	0.004	0.004	0.004
Food Services : Restaurant - Natural gas > CO2	1.905	1.787	2.321	1.585	1.665	1.708	1.969	1.933	1.875
Food Services : Restaurant - Natural gas > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Health Care - Natural gas > CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Health Care - Natural gas > CO2	1.410	1.414	1.682	1.470	1.429	1.425	1.515	1.482	1.499
Health Care - Natural gas > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Hotels - Natural gas > CH4	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.004
Hotels - Natural gas > CO2	0.645	0.664	0.791	0.689	0.673	0.680	0.743	0.747	1.880
Hotels - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
National Security - Natural gas > CH4	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.001
National Security - Natural gas > CO2	0.206	0.307	0.211	0.191	0.197	0.184	0.208	0.196	0.258
National Security - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Coal > CO2	0.049	0.000	0.000	0.000	0.017	0.042	0.003	0.000	0.000
Not Specified Commercial - Coal > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Distillate > CH4	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.003
Not Specified Commercial - Distillate > CO2	0.849	0.801	0.790	0.767	0.647	0.876	0.670	0.747	1.028
Not Specified Commercial - Distillate > N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003

## California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category

million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Not Specified Commercial - Ethanol > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Ethanol > CO2	0.000	0.000	0.000	0.002	0.003	0.003	0.003	0.003	0.004
Not Specified Commercial - Ethanol > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Gasoline > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Gasoline > CO2	0.088	0.090	0.091	0.088	0.086	0.086	0.089	0.090	0.091
Not Specified Commercial - Gasoline > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Kerosene > CO2	0.021	0.026	0.011	0.019	0.029	0.024	0.022	0.013	0.006
Not Specified Commercial - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - LPG > CH4	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Not Specified Commercial - LPG > CO2	0.392	0.269	0.313	0.530	0.748	0.587	0.436	0.490	0.632
Not Specified Commercial - LPG > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Natural gas > CH4	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Not Specified Commercial - Natural gas > CO2	2.545	2.740	3.285	3.213	3.134	3.047	3.176	2.955	2.912
Not Specified Commercial - Natural gas > N2O	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Not Specified Commercial - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Residual fuel oil > CO2	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Wood (wet) > CH4	0.039	0.039	0.040	0.042	0.041	0.026	0.024	0.026	0.027
Not Specified Commercial - Wood (wet) > N2O	0.008	0.008	0.008	0.008	0.008	0.005	0.005	0.005	0.005
Offices - Natural gas > CH4	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002
Offices - Natural gas > CO2	0.780	0.548	0.670	0.669	0.695	0.682	0.740	0.618	0.771
Offices - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Retail & Wholesale : Refrigerated Warehousing - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Retail & Wholesale : Refrigerated Warehousing - Natural gas > CO2	0.086	0.108	0.140	0.094	0.096	0.095	0.085	0.086	0.075
Retail & Wholesale : Refrigerated Warehousing - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Retail & Wholesale : Retail - Natural gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001
Retail & Wholesale : Retail - Natural gas > CO2	0.503	0.544	0.742	0.670	0.674	0.660	0.740	0.781	0.644
Retail & Wholesale : Retail - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Retail & Wholesale : Warehousing - Natural gas > CH4	0.000	0.000	0.001	0.001	0.000	0.001	0.001	0.000	0.000
Retail & Wholesale : Warehousing - Natural gas > CO2	0.240	0.211	0.267	0.263	0.240	0.258	0.278	0.240	0.202
Retail & Wholesale : Warehousing - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Airports - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Airports - Natural gas > CO2	0.087	0.034	0.051	0.049	0.044	0.042	0.072	0.069	0.111
Transportation Services : Airports - Natural gas > N2O	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	0.001	0.001
Transportation Services : Transportation - Natural gas > CO2	0.089	0.088	0.081	0.062	0.050	0.044	0.048	0.271	0.465
Transportation Services : Transportation - Natural gas > N2O	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
Transportation Services : Water Transportation - Natural gas > CO2	0.003	0.003	0.002	0.002	0.002	0.002	0.003	0.004	0.005
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
1A4b - Residential	30.13	28.62	29.35	28.31	29.34	28.08	28.46	28.61	28.45
Household Use - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category**

million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Household Use - Coal > CO2	0.006	0.000	0.000	0.000	0.002	0.004	0.000	0.000	0.000
Household Use - Coal > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - Distillate > CO2	0.066	0.083	0.053	0.051	0.055	0.069	0.069	0.039	0.057
Household Use - Distillate > N2O	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
Household Use - Kerosene > CO2	0.115	0.143	0.089	0.080	0.113	0.124	0.117	0.062	0.038
Household Use - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - LPG > CH4	0.002	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003
Household Use - LPG > CO2	1.133	0.777	0.905	1.297	1.575	1.791	1.564	1.658	2.036
Household Use - LPG > N2O	0.001	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
Household Use - Natural gas > CH4	0.055	0.054	0.054	0.053	0.054	0.051	0.053	0.053	0.052
Household Use - Natural gas > CO2	28.448	27.274	27.956	26.521	27.227	25.826	26.456	26.579	26.031
Household Use - Natural gas > N2O	0.016	0.016	0.016	0.016	0.016	0.015	0.016	0.016	0.015
Household Use - Wood (wet) > CH4	0.239	0.224	0.227	0.239	0.245	0.163	0.148	0.164	0.179
Household Use - Wood (wet) > N2O	0.047	0.044	0.045	0.047	0.048	0.032	0.029	0.032	0.035
<b>1A4c - Agriculture/Forestry/Fishing/Fish Farms</b>	<b>3.82</b>	<b>3.81</b>	<b>4.39</b>	<b>4.20</b>	<b>4.50</b>	<b>4.60</b>	<b>5.19</b>	<b>3.78</b>	<b>3.82</b>
Ag Energy Use - Distillate > CH4	0.007	0.008	0.009	0.008	0.009	0.010	0.011	0.008	0.008
Ag Energy Use - Distillate > CO2	2.492	2.662	3.008	2.920	3.136	3.365	3.825	2.650	2.917
Ag Energy Use - Distillate > N2O	0.006	0.007	0.008	0.007	0.008	0.009	0.010	0.007	0.007
Ag Energy Use - Ethanol > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - Ethanol > CO2	0.001	0.001	0.002	0.010	0.018	0.019	0.021	0.012	0.007
Ag Energy Use - Ethanol > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - Gasoline > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.000
Ag Energy Use - Gasoline > CO2	0.306	0.376	0.401	0.400	0.500	0.498	0.544	0.310	0.161
Ag Energy Use - Gasoline > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000
Ag Energy Use - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - Kerosene > CO2	0.006	0.005	0.003	0.003	0.005	0.005	0.007	0.003	0.002
Ag Energy Use - Kerosene > N2O	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
Ag Energy Use - Natural gas > CO2	0.005	0.036	0.041	0.032	0.031	0.032	0.002	0.002	0.003
Ag Energy Use - Natural gas > N2O	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	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
Ag Energy Use : Crop Production - Natural gas > CO2	0.908	0.631	0.819	0.735	0.716	0.593	0.694	0.700	0.646
Ag Energy Use : Crop Production - Natural gas > N2O	0.001	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
Ag Energy Use : Livestock - Natural gas > CO2	0.085	0.079	0.092	0.078	0.073	0.067	0.069	0.081	0.072
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
<b>1B - Fugitive Emissions from Fuels</b>	<b>4.77</b>	<b>4.60</b>	<b>4.97</b>	<b>4.42</b>	<b>4.28</b>	<b>4.81</b>	<b>5.35</b>	<b>5.39</b>	<b>5.37</b>
<b>1B2 - Oil and Natural Gas</b>	<b>2.75</b>	<b>2.60</b>	<b>2.83</b>	<b>2.30</b>	<b>2.13</b>	<b>2.68</b>	<b>3.25</b>	<b>3.26</b>	<b>3.28</b>
Manufacturing : Chemicals & Allied Products : Fugitives > Fugitive emissions > CH4	0.023	0.027	0.016	0.013	0.011	0.013	0.011	0.011	0.011
Manufacturing : Construction : Fugitives > Fugitive emissions > CH4	0.003	0.003	0.006	0.006	0.006	0.006	0.006	0.006	0.006



**California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category***million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)*

<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
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
Manufacturing : Food Products : Fugitives > Fugitive emissions > CH4	0.011	0.011	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Manufacturing : Fugitives > Fugitive emissions > CH4	0.043	0.060	0.031	0.035	0.031	0.036	0.031	0.031	0.032
Manufacturing : Plastics & Rubber : Fugitives > Fugitive emissions > CH4	0.005	0.006	0.007	0.007	0.009	0.010	0.011	0.011	0.012
Manufacturing : Primary Metals : Fugitives > Fugitive emissions > CH4	0.003	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing : Pulp & Paper : Fugitives > Fugitive emissions > CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.003
Manufacturing : Stone, Clay, Glass & Cement : Fugitives > Fugitive emissions > CH4	0.009	0.006	0.005	0.005	0.007	0.007	0.006	0.006	0.006
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
Not Specified Industrial : Fugitives > Fugitive emissions > CH4	0.141	0.141	0.297	0.141	0.324	0.480	0.481	0.468	0.455
Oil & Gas Extraction : Petroleum Gas Seeps : Fugitives > Fugitive emissions > CH4	0.347	0.454	0.464	0.464	0.082	0.082	0.493	0.493	0.493
Oil & Gas Extraction : Process Losses : Fugitives > Fugitive emissions > CH4	0.245	0.220	0.183	0.198	0.181	0.181	0.175	0.177	0.178
Oil & Gas Extraction : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.096	0.159	0.085	0.077	0.104	0.088	0.099	0.101	0.104
Petroleum Marketing : Process Losses : Fugitives > Fugitive emissions > CH4	0.002	0.003	0.000	0.000	0.000	0.003	0.003	0.003	0.003
Petroleum Marketing : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.006	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002
1B2a - Oil	0.05	0.03	0.03	0.02	0.01	0.02	0.02	0.02	0.02
1B2a-iii - All Other	0.053	0.025	0.029	0.018	0.012	0.020	0.020	0.020	0.020
Petroleum Refining : Process Losses : Fugitives > Fugitive emissions > CH4	0.038	0.017	0.016	0.013	0.010	0.017	0.017	0.017	0.017
Petroleum Refining : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.015	0.008	0.013	0.005	0.002	0.003	0.003	0.003	0.003
1B2b - Natural Gas	1.76	1.48	1.70	1.32	1.35	1.74	1.90	1.92	1.94
Pipelines : Natural Gas : Fugitives > Fugitive emissions > CH4	1.758	1.476	1.699	1.323	1.349	1.737	1.903	1.923	1.944
<b>1B3 - Other Emissions from Energy Production</b>	<b>2.02</b>	<b>1.99</b>	<b>2.14</b>	<b>2.12</b>	<b>2.15</b>	<b>2.14</b>	<b>2.10</b>	<b>2.13</b>	<b>2.09</b>
Imported Electricity : Specified Imports : PSW : Caithness Dixie Valley (NV) > Geothermal power - Geothermal > CO2	0.070	0.067	0.069	0.064	0.074	0.074	0.073	0.071	0.055
In State Generation : Merchant Owned > Geothermal power - Geothermal > CO2	1.948	1.928	1.882	1.888	1.907	1.912	1.875	1.901	1.890
In State Generation : Utility Owned > Geothermal power - Geothermal > CO2	0.000	0.000	0.187	0.166	0.167	0.149	0.154	0.154	0.149
<b>2 - Industrial Processes and Product Use</b>	<b>25.64</b>	<b>25.58</b>	<b>26.40</b>	<b>27.04</b>	<b>27.97</b>	<b>28.75</b>	<b>29.67</b>	<b>29.95</b>	<b>30.11</b>
<b>2A - Mineral Industry</b>	<b>5.51</b>	<b>5.58</b>	<b>5.66</b>	<b>5.74</b>	<b>5.84</b>	<b>5.92</b>	<b>5.86</b>	<b>5.61</b>	<b>5.35</b>
<b>2A1 - Cement Production</b>	<b>5.43</b>	<b>5.52</b>	<b>5.60</b>	<b>5.68</b>	<b>5.77</b>	<b>5.85</b>	<b>5.80</b>	<b>5.55</b>	<b>5.31</b>
Manufacturing : Stone, Clay, Glass & Cement : Cement > Clinker production > CO2	5.433	5.517	5.601	5.684	5.768	5.852	5.797	5.551	5.305
<b>2A2 - Lime Production</b>	<b>0.07</b>	<b>0.07</b>	<b>0.06</b>	<b>0.06</b>	<b>0.08</b>	<b>0.07</b>	<b>0.07</b>	<b>0.05</b>	<b>0.04</b>
Manufacturing : Stone, Clay, Glass & Cement : Lime > Lime production > CO2	0.072	0.068	0.059	0.058	0.076	0.072	0.066	0.055	0.044
<b>2B - Chemical Industry</b>	<b>0.07</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.09</b>	<b>0.08</b>	<b>0.06</b>
<b>2B2 - Nitric Acid Production</b>	<b>0.07</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.09</b>	<b>0.08</b>	<b>0.06</b>
Manufacturing : Chemicals & Allied Products : Nitric Acid > Nitric acid production > N2O	0.072	0.059	0.063	0.060	0.059	0.061	0.093	0.076	0.060
<b>2D - Non-Energy Products from Fuels and Solvent Use</b>	<b>2.27</b>	<b>2.08</b>	<b>2.04</b>	<b>1.89</b>	<b>1.89</b>	<b>1.88</b>	<b>1.85</b>	<b>1.91</b>	<b>1.97</b>
<b>2D1 - Lubricant Use</b>	<b>2.10</b>	<b>1.92</b>	<b>1.90</b>	<b>1.75</b>	<b>1.78</b>	<b>1.77</b>	<b>1.72</b>	<b>1.78</b>	<b>1.83</b>
Not Specified Industrial > Fuel consumption - Lubricants > CO2	0.898	0.823	0.813	0.752	0.762	0.758	0.738	0.762	0.786
Not Specified Transportation > Fuel consumption - Lubricants > CO2	1.198	1.097	1.084	1.002	1.015	1.010	0.984	1.016	1.048

**California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category***million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)*

<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
<b>2D3 - Solvent Use</b>	<b>0.17</b>	<b>0.16</b>	<b>0.14</b>	<b>0.13</b>	<b>0.12</b>	<b>0.12</b>	<b>0.13</b>	<b>0.13</b>	<b>0.13</b>
Solvents & Chemicals : Evaporative losses : Fugitives > Fugitive emissions > CO2	0.171	0.160	0.144	0.132	0.117	0.117	0.131	0.132	0.132
<b>2E - Electronics Industry</b>	<b>1.26</b>	<b>0.89</b>	<b>0.78</b>	<b>0.78</b>	<b>0.78</b>	<b>0.78</b>	<b>0.87</b>	<b>0.84</b>	<b>0.80</b>
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C2F6	0.576	0.403	0.356	0.334	0.331	0.319	0.354	0.363	0.372
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C3F8	0.025	0.019	0.011	0.016	0.007	0.006	0.006	0.007	0.008
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C4F8	0.000	0.000	0.008	0.013	0.013	0.018	0.018	0.010	0.001
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > CF4	0.356	0.251	0.180	0.168	0.178	0.175	0.189	0.203	0.218
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > HFC-23	0.052	0.034	0.028	0.030	0.032	0.034	0.041	0.041	0.041
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > NF3	0.037	0.040	0.088	0.083	0.083	0.072	0.110	0.083	0.055
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > SF6	0.210	0.142	0.107	0.134	0.134	0.153	0.153	0.130	0.107
<b>2F - Product Uses as Substitutes for Ozone Depleting Substances</b>	<b>8.55</b>	<b>9.30</b>	<b>10.12</b>	<b>10.92</b>	<b>11.74</b>	<b>12.41</b>	<b>13.05</b>	<b>13.47</b>	<b>13.89</b>
Not Specified Not Specified > Use of substitutes for ozone depleting substances > CF4	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-125	0.630	0.727	0.833	0.962	1.114	1.277	1.529	1.829	2.129
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-134a	6.868	7.364	7.816	8.187	8.561	8.748	8.784	8.534	8.284
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-143a	0.497	0.649	0.825	1.024	1.246	1.509	1.786	2.080	2.374
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-23	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-236fa	0.065	0.072	0.079	0.086	0.092	0.098	0.102	0.107	0.111
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-32	0.003	0.007	0.013	0.021	0.032	0.045	0.074	0.107	0.141
Not Specified Not Specified > Use of substitutes for ozone depleting substances > Other ODS substitutes	0.486	0.479	0.551	0.636	0.687	0.734	0.770	0.806	0.843
<b>2G - Other Product Manufacture and Use</b>	<b>1.76</b>	<b>1.68</b>	<b>1.69</b>	<b>1.63</b>	<b>1.66</b>	<b>1.65</b>	<b>1.69</b>	<b>1.66</b>	<b>1.66</b>
<b>2G1 - Electrical Equipment</b>	<b>1.14</b>	<b>1.15</b>	<b>1.07</b>	<b>1.05</b>	<b>1.05</b>	<b>1.04</b>	<b>1.00</b>	<b>0.97</b>	<b>0.96</b>
2G1b - Use of Electrical Equipment	1.14	1.15	1.07	1.05	1.05	1.04	1.00	0.97	0.96
Imported Electricity : Transmission and Distribution > Electricity transmitted > SF6	0.316	0.349	0.382	0.356	0.366	0.346	0.298	0.323	0.344
In State Generation : Transmission and Distribution > Electricity transmitted > SF6	0.826	0.803	0.692	0.695	0.687	0.691	0.704	0.644	0.619
<b>2G4 - Other (Please specify)</b>	<b>0.62</b>	<b>0.53</b>	<b>0.61</b>	<b>0.58</b>	<b>0.61</b>	<b>0.61</b>	<b>0.69</b>	<b>0.69</b>	<b>0.70</b>
Not Specified Industrial > CO2 consumption > CO2	0.168	0.097	0.122	0.160	0.148	0.161	0.211	0.236	0.261
Not Specified Industrial > Limestone and dolomite consumption > CO2	0.132	0.120	0.174	0.106	0.141	0.125	0.165	0.147	0.129
Not Specified Industrial > Soda ash consumption > CO2	0.320	0.316	0.316	0.310	0.323	0.328	0.315	0.311	0.308
<b>2H - Other</b>	<b>6.23</b>	<b>5.99</b>	<b>6.05</b>	<b>6.03</b>	<b>5.99</b>	<b>6.04</b>	<b>6.25</b>	<b>6.39</b>	<b>6.39</b>
<b>2H3 - Other (please specify)</b>	<b>6.23</b>	<b>5.99</b>	<b>6.05</b>	<b>6.03</b>	<b>5.99</b>	<b>6.04</b>	<b>6.25</b>	<b>6.39</b>	<b>6.39</b>
Petroleum Refining : Transformation > Fuel consumption - Naphtha > CO2	0.173	0.403	0.403	0.227	0.227	0.227	0.694	0.694	0.694
Petroleum Refining : Transformation > Fuel consumption - Natural gas > CO2	1.930	1.465	1.223	1.466	2.230	1.837	2.083	2.033	1.943
Petroleum Refining : Transformation > Fuel consumption - Refinery gas > CO2	4.124	4.118	4.427	4.333	3.537	3.976	3.474	3.660	3.749

## California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category

million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
<b>3 - Agriculture, Forestry and Other Land Use</b>	<b>21.81</b>	<b>21.75</b>	<b>24.22</b>	<b>24.48</b>	<b>24.51</b>	<b>24.58</b>	<b>24.90</b>	<b>24.67</b>	<b>24.42</b>
<b>3A - Livestock</b>	<b>13.61</b>	<b>14.10</b>	<b>14.56</b>	<b>14.88</b>	<b>14.81</b>	<b>15.36</b>	<b>15.63</b>	<b>15.96</b>	<b>16.28</b>
<b>3A1 - Enteric Fermentation</b>	<b>7.49</b>	<b>7.64</b>	<b>7.86</b>	<b>7.97</b>	<b>7.97</b>	<b>8.26</b>	<b>8.33</b>	<b>8.52</b>	<b>8.70</b>
3A1a - Cattle	7.19	7.33	7.54	7.63	7.61	7.86	7.93	8.12	8.32
3A1ai - Dairy Cows	4.672	4.851	5.071	5.181	5.207	5.381	5.540	5.675	5.811
Livestock population - Dairy cows > CH4	3.731	3.877	4.068	4.160	4.252	4.384	4.510	4.639	4.768
Livestock population - Dairy replacements 0-12 months > CH4	0.207	0.213	0.221	0.220	0.211	0.221	0.226	0.230	0.234
Livestock population - Dairy replacements 12-24 months > CH4	0.734	0.762	0.783	0.800	0.744	0.775	0.803	0.806	0.809
3A1aii - Other Cattle	2.519	2.480	2.472	2.447	2.403	2.479	2.394	2.449	2.505
Livestock population - Beef cows > CH4	1.494	1.475	1.440	1.424	1.396	1.398	1.329	1.373	1.417
Livestock population - Beef replacements 0-12 months > CH4	0.040	0.039	0.038	0.037	0.037	0.038	0.035	0.036	0.037
Livestock population - Beef replacements 12-24 months > CH4	0.111	0.107	0.104	0.102	0.100	0.104	0.097	0.101	0.105
Livestock population - Bulls > CH4	0.075	0.075	0.070	0.070	0.070	0.076	0.080	0.076	0.071
Livestock population - Heifer feedlot > CH4	0.097	0.099	0.108	0.118	0.111	0.118	0.124	0.122	0.121
Livestock population - Heifer stockers > CH4	0.116	0.113	0.114	0.110	0.108	0.126	0.120	0.112	0.104
Livestock population - Steer feedlot > CH4	0.167	0.168	0.188	0.208	0.193	0.205	0.220	0.219	0.219
Livestock population - Steer stockers > CH4	0.419	0.404	0.410	0.378	0.389	0.413	0.387	0.409	0.431
3A1c - Sheep	0.14	0.14	0.13	0.12	0.11	0.12	0.11	0.10	0.10
Livestock population - Sheep > CH4	0.136	0.135	0.127	0.123	0.113	0.116	0.109	0.102	0.096
3A1d - Goats	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Livestock population - Goats > CH4	0.009	0.010	0.011	0.011	0.011	0.011	0.012	0.014	0.015
3A1f - Horses	0.15	0.16	0.17	0.20	0.23	0.26	0.27	0.27	0.27
Livestock population - Horses > CH4	0.150	0.158	0.172	0.201	0.230	0.264	0.273	0.273	0.273
3A1h - Swine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Livestock population - Swine > CH4	0.005	0.003	0.005	0.004	0.004	0.005	0.005	0.005	0.005
<b>3A2 - Manure Management</b>	<b>6.12</b>	<b>6.47</b>	<b>6.70</b>	<b>6.91</b>	<b>6.84</b>	<b>7.10</b>	<b>7.30</b>	<b>7.44</b>	<b>7.58</b>
3A2a - Cattle	5.77	6.13	6.35	6.57	6.50	6.75	6.95	7.08	7.22
3A2ai - Dairy Cows	5.480	5.816	6.027	6.239	6.173	6.401	6.594	6.733	6.871
Anaerobic digester > Livestock population - Dairy cows > CH4	0.001	0.002	0.003	0.011	0.011	0.033	0.024	0.033	0.042
Anaerobic digester > Livestock population - Dairy cows > N2O	0.000	0.001	0.002	0.003	0.003	0.005	0.003	0.004	0.005
Anaerobic lagoon > Livestock population - Dairy cows > CH4	4.027	4.296	4.486	4.629	4.600	4.781	4.870	4.980	5.090
Anaerobic lagoon > Livestock population - Dairy cows > N2O	0.178	0.185	0.194	0.198	0.202	0.204	0.209	0.210	0.210
Daily spread > Livestock population - Dairy cows > CH4	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.007
Daily spread > Livestock population - Dairy cows > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Daily spread > Livestock population - Dairy heifers > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Daily spread > Livestock population - Dairy heifers > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Deep pit > Livestock population - Dairy cows > CH4	0.008	0.008	0.008	0.009	0.008	0.009	0.009	0.009	0.010
Deep pit > Livestock population - Dairy cows > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Dry lot > Livestock population - Dairy heifers > CH4	0.028	0.029	0.030	0.030	0.028	0.029	0.030	0.030	0.031
Dry lot > Livestock population - Dairy heifers > N2O	0.347	0.355	0.369	0.372	0.347	0.362	0.374	0.378	0.381
Liquid/slurry > Livestock population - Dairy cows > CH4	0.677	0.720	0.707	0.757	0.736	0.737	0.821	0.834	0.846
Liquid/slurry > Livestock population - Dairy cows > N2O	0.113	0.115	0.117	0.119	0.122	0.123	0.132	0.132	0.132

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Liquid/slurry > Livestock population - Dairy heifers > CH4	0.006	0.007	0.007	0.007	0.006	0.006	0.007	0.007	0.007
Liquid/slurry > Livestock population - Dairy heifers > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Pasture > Livestock population - Dairy cows > CH4	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
Pasture > Livestock population - Dairy cows > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Dairy heifers > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Dairy heifers > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid storage > Livestock population - Dairy cows > CH4	0.035	0.036	0.038	0.039	0.040	0.041	0.043	0.044	0.045
Solid storage > Livestock population - Dairy cows > N2O	0.050	0.052	0.055	0.056	0.057	0.059	0.060	0.060	0.061
<b>3A2aii - Other Cattle</b>	<b>0.293</b>	<b>0.313</b>	<b>0.323</b>	<b>0.329</b>	<b>0.330</b>	<b>0.348</b>	<b>0.354</b>	<b>0.352</b>	<b>0.350</b>
Dry lot > Livestock population - Feedlot - heifers 500+ lbs > CH4	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.003
Dry lot > Livestock population - Feedlot - heifers 500+ lbs > N2O	0.040	0.045	0.047	0.050	0.048	0.053	0.056	0.051	0.047
Dry lot > Livestock population - Feedlot - steers 500+ lbs > CH4	0.011	0.012	0.012	0.012	0.013	0.013	0.014	0.014	0.014
Dry lot > Livestock population - Feedlot - steers 500+ lbs > N2O	0.157	0.174	0.183	0.188	0.191	0.200	0.207	0.208	0.209
Liquid/slurry > Livestock population - Feedlot - heifers 500+ lbs > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Liquid/slurry > Livestock population - Feedlot - heifers 500+ lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid/slurry > Livestock population - Feedlot - steers 500+ lbs > CH4	0.004	0.004	0.004	0.005	0.004	0.005	0.005	0.005	0.005
Liquid/slurry > Livestock population - Feedlot - steers 500+ lbs > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Pasture > Livestock population - Not on feed - beef cows > CH4	0.038	0.038	0.037	0.036	0.035	0.034	0.032	0.033	0.034
Pasture > 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
Pasture > 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
Pasture > 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
Pasture > Livestock population - Not on feed - calves <500 lbs > CH4	0.014	0.015	0.015	0.015	0.015	0.016	0.017	0.017	0.016
Pasture > 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
Pasture > Livestock population - Not on feed - heifers 500+ lbs > CH4	0.009	0.008	0.008	0.007	0.007	0.008	0.007	0.007	0.007
Pasture > Livestock population - Not on feed - heifers 500+ lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Not on feed - steers 500+ lbs > CH4	0.010	0.008	0.008	0.007	0.007	0.008	0.006	0.007	0.007
Pasture > Livestock population - Not on feed - steers 500+ lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>3A2c - Sheep</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.03</b>	<b>0.03</b>	<b>0.03</b>
Dry lot > Livestock population - Sheep > CH4	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003
Dry lot > Livestock population - Sheep > N2O	0.026	0.029	0.027	0.026	0.024	0.024	0.023	0.022	0.021
Pasture > Livestock population - Sheep > CH4	0.010	0.009	0.009	0.008	0.008	0.008	0.007	0.007	0.006
Pasture > Livestock population - Sheep > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>3A2d - Goats</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Dry lot > Livestock population - Goats > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dry lot > Livestock population - Goats > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Pasture > Livestock population - Goats > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Pasture > Livestock population - Goats > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>3A2f - Horses</b>	<b>0.06</b>	<b>0.07</b>	<b>0.07</b>	<b>0.08</b>	<b>0.09</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>
Dry lot > Livestock population - Horses > CH4	0.004	0.004	0.004	0.005	0.005	0.006	0.007	0.007	0.007
Dry lot > Livestock population - Horses > N2O	0.017	0.018	0.020	0.023	0.026	0.030	0.031	0.031	0.031
Pasture > Livestock population - Horses > CH4	0.041	0.043	0.047	0.055	0.063	0.073	0.075	0.075	0.075
Pasture > Livestock population - Horses > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

## California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category

million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
3A2h - Swine	0.05	0.04	0.06	0.05	0.05	0.05	0.05	0.06	0.06
Anaerobic digester > Livestock population - Swine - breeding > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic digester > Livestock population - Swine - breeding > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic digester > Livestock population - Swine - market <60 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic digester > Livestock population - Swine - market <60 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic digester > Livestock population - Swine - market 120-179 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic digester > Livestock population - Swine - market 120-179 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic digester > Livestock population - Swine - market 180+ lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic digester > Livestock population - Swine - market 180+ lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic digester > Livestock population - Swine - market 60-119 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic digester > Livestock population - Swine - market 60-119 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic lagoon > Livestock population - Swine - breeding > CH4	0.008	0.008	0.009	0.009	0.008	0.009	0.008	0.008	0.008
Anaerobic lagoon > Livestock population - Swine - breeding > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic lagoon > Livestock population - Swine - market <60 lbs > CH4	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004	0.004
Anaerobic lagoon > Livestock population - Swine - market <60 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic lagoon > Livestock population - Swine - market 120-179 lbs > CH4	0.013	0.003	0.009	0.008	0.008	0.007	0.005	0.008	0.011
Anaerobic lagoon > Livestock population - Swine - market 120-179 lbs > N2O	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Anaerobic lagoon > Livestock population - Swine - market 180+ lbs > CH4	0.004	0.008	0.011	0.011	0.012	0.010	0.009	0.010	0.011
Anaerobic lagoon > Livestock population - Swine - market 180+ lbs > N2O	0.000	0.000	0.001	0.000	0.001	0.000	0.000	0.000	0.001
Anaerobic lagoon > Livestock population - Swine - market 60-119 lbs > CH4	0.008	0.004	0.006	0.005	0.006	0.006	0.006	0.006	0.006
Anaerobic lagoon > Livestock population - Swine - market 60-119 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Deep pit > Livestock population - Swine - breeding > CH4	0.002	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002
Deep pit > Livestock population - Swine - breeding > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Deep pit > Livestock population - Swine - market <60 lbs > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Deep pit > Livestock population - Swine - market <60 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Deep pit > Livestock population - Swine - market 120-179 lbs > CH4	0.004	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.003
Deep pit > Livestock population - Swine - market 120-179 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Deep pit > Livestock population - Swine - market 180+ lbs > CH4	0.001	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Deep pit > Livestock population - Swine - market 180+ lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Deep pit > Livestock population - Swine - market 60-119 lbs > CH4	0.002	0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.002
Deep pit > Livestock population - Swine - market 60-119 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid/slurry > Livestock population - Swine - breeding > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Liquid/slurry > Livestock population - Swine - breeding > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid/slurry > Livestock population - Swine - market <60 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid/slurry > Livestock population - Swine - market <60 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid/slurry > Livestock population - Swine - market 120-179 lbs > CH4	0.001	0.000	0.001	0.001	0.001	0.001	0.000	0.001	0.001
Liquid/slurry > Livestock population - Swine - market 120-179 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid/slurry > Livestock population - Swine - market 180+ lbs > CH4	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Liquid/slurry > Livestock population - Swine - market 180+ lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid/slurry > Livestock population - Swine - market 60-119 lbs > CH4	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
Liquid/slurry > Livestock population - Swine - market 60-119 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Swine - breeding > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Swine - breeding > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

## California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category

million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Pasture > Livestock population - Swine - market <60 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Swine - market <60 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Swine - market 120-179 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Swine - market 120-179 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Swine - market 180+ lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Swine - market 180+ lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Swine - market 60-119 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Swine - market 60-119 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid storage > Livestock population - Swine - breeding > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid storage > Livestock population - Swine - breeding > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid storage > Livestock population - Swine - market <60 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid storage > Livestock population - Swine - market <60 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid storage > Livestock population - Swine - market 120-179 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid storage > Livestock population - Swine - market 120-179 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid storage > Livestock population - Swine - market 180+ lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid storage > Livestock population - Swine - market 180+ lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid storage > Livestock population - Swine - market 60-119 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid storage > Livestock population - Swine - market 60-119 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3A2i - Poultry	0.19	0.19	0.18	0.17	0.15	0.15	0.15	0.15	0.15
Anaerobic lagoon > Livestock population - Hens 1+ yr > CH4	0.078	0.079	0.075	0.069	0.062	0.064	0.063	0.063	0.063
Anaerobic lagoon > Livestock population - Hens 1+ yr > N2O	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Anaerobic lagoon > Livestock population - Other chickens > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic lagoon > Livestock population - Other chickens > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic lagoon > Livestock population - Pullets > CH4	0.018	0.016	0.016	0.016	0.013	0.013	0.010	0.012	0.013
Anaerobic lagoon > Livestock population - Pullets > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.001
Pasture > Livestock population - Broilers > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Broilers > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Turkeys > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Turkeys > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Poultry with bedding > Livestock population - Broilers > CH4	0.006	0.006	0.007	0.006	0.006	0.006	0.006	0.006	0.005
Poultry with bedding > Livestock population - Broilers > N2O	0.011	0.011	0.012	0.011	0.011	0.010	0.011	0.010	0.008
Poultry with bedding > Livestock population - Turkeys > CH4	0.011	0.011	0.011	0.010	0.009	0.009	0.009	0.010	0.010
Poultry with bedding > Livestock population - Turkeys > N2O	0.019	0.020	0.019	0.018	0.017	0.015	0.017	0.017	0.017
Poultry without bedding > Livestock population - Hens 1+ yr > CH4	0.012	0.011	0.011	0.010	0.009	0.009	0.009	0.009	0.009
Poultry without bedding > Livestock population - Hens 1+ yr > N2O	0.021	0.021	0.020	0.018	0.017	0.017	0.017	0.017	0.017
Poultry without bedding > Livestock population - Other chickens > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Poultry without bedding > Livestock population - Other chickens > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Poultry without bedding > Livestock population - Pullets > CH4	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Poultry without bedding > Livestock population - Pullets > N2O	0.005	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003
<b>3B - Land</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>
<b>3B1 - Forest Land</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>
Fire - Forest > N2O	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012

## California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category

million tonnes of CO<sub>2</sub> equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Fire - Rangeland > N <sub>2</sub> O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Fire and other disturbances - Forest > CH <sub>4</sub>	0.152	0.152	0.152	0.152	0.152	0.152	0.151	0.151	0.151
Fire and other disturbances - Rangeland > CH <sub>4</sub>	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
<b>3C - Aggregate Sources and Non-CO<sub>2</sub> Emissions Sources on Land</b>	<b>8.01</b>	<b>7.46</b>	<b>9.48</b>	<b>9.41</b>	<b>9.51</b>	<b>9.03</b>	<b>9.08</b>	<b>8.53</b>	<b>7.95</b>
<b>3C1 - Emissions from Biomass Burning</b>	<b>0.09</b>	<b>0.07</b>	<b>0.07</b>	<b>0.08</b>	<b>0.07</b>	<b>0.08</b>	<b>0.08</b>	<b>0.09</b>	<b>0.09</b>
3C1b - Biomass Burning in Croplands	0.09	0.07	0.07	0.08	0.07	0.08	0.08	0.09	0.09
Crop acreage burned - Almond > CH <sub>4</sub>	0.010	0.010	0.010	0.010	0.010	0.011	0.012	0.012	0.013
Crop acreage burned - Almond > N <sub>2</sub> O	0.024	0.024	0.024	0.024	0.025	0.028	0.030	0.030	0.032
Crop acreage burned - Barley > CH <sub>4</sub>	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Crop acreage burned - Barley > N <sub>2</sub> O	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
Crop acreage burned - Corn > CH <sub>4</sub>	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003
Crop acreage burned - Corn > N <sub>2</sub> O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Crop acreage burned - Rice > CH <sub>4</sub>	0.006	0.003	0.003	0.003	0.003	0.003	0.002	0.004	0.003
Crop acreage burned - Rice > N <sub>2</sub> O	0.025	0.012	0.012	0.012	0.011	0.014	0.009	0.014	0.014
Crop acreage burned - Walnut > CH <sub>4</sub>	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Crop acreage burned - Walnut > N <sub>2</sub> O	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Crop acreage burned - Wheat > CH <sub>4</sub>	0.004	0.004	0.004	0.005	0.004	0.004	0.003	0.004	0.005
Crop acreage burned - Wheat > N <sub>2</sub> O	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.004
<b>3C2 - Liming</b>	<b>0.27</b>	<b>0.16</b>	<b>0.23</b>	<b>0.24</b>	<b>0.24</b>	<b>0.30</b>	<b>0.48</b>	<b>0.26</b>	<b>0.03</b>
Dolomite applied to soils > CO <sub>2</sub>	0.003	0.001	0.002	0.002	0.008	0.007	0.002	0.001	0.000
Limestone applied to soils > CO <sub>2</sub>	0.263	0.161	0.231	0.236	0.227	0.291	0.483	0.255	0.028
<b>3C4 - Direct N<sub>2</sub>O Emissions from Managed Soils</b>	<b>5.51</b>	<b>5.24</b>	<b>6.67</b>	<b>6.62</b>	<b>6.63</b>	<b>6.27</b>	<b>6.16</b>	<b>5.92</b>	<b>5.67</b>
Drained histosols > N <sub>2</sub> O	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155
Nitrogen applied in fertilizer - Organic fertilizers > N <sub>2</sub> O	0.044	0.013	0.021	0.028	0.011	0.016	0.010	0.004	0.000
Nitrogen applied in fertilizer - Synthetic fertilizers > N <sub>2</sub> O	2.951	2.716	4.089	4.043	4.060	3.644	3.550	3.266	2.982
Nitrogen in crop residues > N <sub>2</sub> O	0.383	0.370	0.400	0.390	0.400	0.374	0.371	0.398	0.425
Nitrogen in managed manure > N <sub>2</sub> O	0.701	0.727	0.753	0.763	0.756	0.776	0.796	0.798	0.800
Nitrogen in unmanaged manure - Cattle, swine, poultry > N <sub>2</sub> O	1.157	1.133	1.116	1.096	1.089	1.123	1.093	1.110	1.126
Nitrogen in unmanaged manure - Sheep, goat, horse > N <sub>2</sub> O	0.122	0.125	0.132	0.148	0.163	0.183	0.187	0.186	0.184
<b>3C5 - Indirect N<sub>2</sub>O Emissions from Managed Soils</b>	<b>1.57</b>	<b>1.49</b>	<b>1.95</b>	<b>1.95</b>	<b>1.95</b>	<b>1.84</b>	<b>1.81</b>	<b>1.72</b>	<b>1.63</b>
Nitrogen applied in fertilizer - Organic fertilizers > N <sub>2</sub> O	0.019	0.006	0.009	0.012	0.005	0.007	0.004	0.002	0.000
Nitrogen applied in fertilizer - Synthetic fertilizers > N <sub>2</sub> O	0.959	0.883	1.329	1.314	1.320	1.184	1.154	1.061	0.969
Nitrogen in managed manure > N <sub>2</sub> O	0.298	0.309	0.320	0.324	0.321	0.330	0.338	0.339	0.340
Nitrogen in unmanaged manure - Cattle, swine, poultry > N <sub>2</sub> O	0.246	0.241	0.237	0.233	0.232	0.239	0.232	0.236	0.239
Nitrogen in unmanaged manure - Sheep, goat, horse > N <sub>2</sub> O	0.052	0.053	0.056	0.063	0.069	0.078	0.080	0.079	0.078
<b>3C7 - Rice Cultivations</b>	<b>0.57</b>	<b>0.49</b>	<b>0.55</b>	<b>0.53</b>	<b>0.62</b>	<b>0.55</b>	<b>0.55</b>	<b>0.55</b>	<b>0.54</b>
Rice crop area > CH <sub>4</sub>	0.570	0.490	0.553	0.528	0.617	0.547	0.545	0.554	0.538

**California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category***million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)*

<b>Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
<b>4 - Waste</b>	<b>8.81</b>	<b>8.88</b>	<b>8.82</b>	<b>8.91</b>	<b>8.89</b>	<b>9.19</b>	<b>9.29</b>	<b>9.23</b>	<b>9.41</b>
<b>4A - Solid Waste Disposal</b>	<b>6.20</b>	<b>6.28</b>	<b>6.21</b>	<b>6.29</b>	<b>6.23</b>	<b>6.52</b>	<b>6.59</b>	<b>6.53</b>	<b>6.71</b>
<b>4A1 - Managed Waste Disposal Sites</b>	<b>6.20</b>	<b>6.28</b>	<b>6.21</b>	<b>6.29</b>	<b>6.23</b>	<b>6.52</b>	<b>6.59</b>	<b>6.53</b>	<b>6.71</b>
Landfills > Landfill emissions - Landfill gas > CH4	6.199	6.274	6.208	6.287	6.226	6.517	6.590	6.528	6.704
Landfills > Landfill emissions - Landfill gas > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
<b>4D - Wastewater Treatment and Discharge</b>	<b>2.61</b>	<b>2.60</b>	<b>2.61</b>	<b>2.62</b>	<b>2.66</b>	<b>2.67</b>	<b>2.69</b>	<b>2.70</b>	<b>2.70</b>
<b>4D1 - Domestic Wastewater Treatment and Discharge</b>	<b>1.89</b>	<b>1.92</b>	<b>1.91</b>	<b>1.93</b>	<b>1.94</b>	<b>1.96</b>	<b>1.96</b>	<b>1.97</b>	<b>1.97</b>
Wastewater Treatment : Domestic Wastewater : Anaerobic Digesters > Biogas production > CH4	0.020	0.020	0.020	0.020	0.020	0.020	0.021	0.021	0.021
Wastewater Treatment : Domestic Wastewater : Centralized Aerobic > California population > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Wastewater Treatment : Domestic Wastewater : Centralized Anaerobic > California population > CH4	0.480	0.469	0.459	0.447	0.435	0.421	0.406	0.393	0.380
Wastewater Treatment : Domestic Wastewater : Effluent Emissions > California population > N2O	0.653	0.675	0.669	0.681	0.699	0.720	0.728	0.738	0.748
Wastewater Treatment : Domestic Wastewater : Plant Emissions > California population > N2O	0.038	0.039	0.040	0.040	0.041	0.041	0.042	0.042	0.043
Wastewater Treatment : Domestic Wastewater : Septic Systems > California population > CH4	0.701	0.713	0.726	0.738	0.750	0.760	0.768	0.776	0.784
<b>4D2 - Industrial Wastewater Treatment and Discharge</b>	<b>0.72</b>	<b>0.68</b>	<b>0.70</b>	<b>0.70</b>	<b>0.72</b>	<b>0.71</b>	<b>0.73</b>	<b>0.73</b>	<b>0.73</b>
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
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
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
Wastewater Treatment : Industrial Wastewater > Production processed - Apples > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Wastewater Treatment : Industrial Wastewater > Production processed - Citrus fruit > CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002
Wastewater Treatment : Industrial Wastewater > Production processed - Non-citrus fruit > CH4	0.035	0.031	0.034	0.032	0.031	0.032	0.029	0.032	0.034
Wastewater Treatment : Industrial Wastewater > Production processed - Other vegetables > CH4	0.022	0.021	0.022	0.023	0.023	0.023	0.024	0.025	0.026
Wastewater Treatment : Industrial Wastewater > Production processed - Potatoes > CH4	0.004	0.003	0.004	0.004	0.005	0.004	0.004	0.004	0.004
Wastewater Treatment : Industrial Wastewater > Production processed - Poultry > CH4	0.046	0.047	0.047	0.046	0.047	0.047	0.048	0.050	0.052
Wastewater Treatment : Industrial Wastewater > Production processed - Pulp and Paper > CH4	0.514	0.486	0.485	0.486	0.506	0.489	0.512	0.507	0.502
Wastewater Treatment : Industrial Wastewater > Production processed - Red meat > CH4	0.030	0.032	0.038	0.040	0.040	0.041	0.045	0.047	0.049
Wastewater Treatment : Industrial Wastewater > Production processed - Wine grapes > CH4	0.005	0.004	0.005	0.004	0.004	0.006	0.005	0.005	0.005
Wastewater Treatment : Industrial Wastewater > Wastewater flow - Petroleum Refining > CH4	0.056	0.056	0.058	0.058	0.059	0.061	0.060	0.059	0.057
<b>Summary for Gross emissions &amp; sinks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
<b>Gross California Emissions</b>	<b>458.03</b>	<b>473.23</b>	<b>474.15</b>	<b>473.15</b>	<b>483.88</b>	<b>476.73</b>	<b>475.31</b>	<b>480.85</b>	<b>477.74</b>
<b>Sinks from Forests and Rangelands</b>	<b>-4.72</b>	<b>-4.53</b>	<b>-4.40</b>	<b>-4.33</b>	<b>-4.32</b>	<b>-4.17</b>	<b>-4.04</b>	<b>-4.07</b>	<b>-3.98</b>
<b>Net California Emissions</b>	<b>453.31</b>	<b>468.69</b>	<b>469.75</b>	<b>468.82</b>	<b>479.56</b>	<b>472.56</b>	<b>471.27</b>	<b>476.77</b>	<b>473.76</b>



## California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category

million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

<b>Excluded Emissions</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
<b>1 - Energy</b>	<b>45.74</b>	<b>41.73</b>	<b>45.77</b>	<b>38.59</b>	<b>42.24</b>	<b>45.46</b>	<b>46.34</b>	<b>49.90</b>	<b>45.23</b>
<b>1A - Fuel Combustion Activities</b>	<b>45.74</b>	<b>41.73</b>	<b>45.77</b>	<b>38.59</b>	<b>42.24</b>	<b>45.46</b>	<b>46.34</b>	<b>49.90</b>	<b>45.23</b>
<b>1A3 - Transport</b>	<b>42.90</b>	<b>38.26</b>	<b>42.40</b>	<b>35.34</b>	<b>38.80</b>	<b>42.96</b>	<b>44.08</b>	<b>47.68</b>	<b>43.20</b>
1A3a - Civil Aviation	28.94	28.15	30.02	27.43	28.90	30.29	29.77	31.74	29.65
1A3ai - International Aviation (International Bunkers)	13.770	13.201	13.525	11.916	12.640	13.668	13.563	14.380	14.181
Aviation : International Civil Aviation - Jet fuel > CH4	0.008	0.007	0.008	0.007	0.007	0.008	0.008	0.008	0.008
Aviation : International Civil Aviation - Jet fuel > CO2	13.630	13.067	13.387	11.794	12.511	13.529	13.425	14.233	14.036
Aviation : International Civil Aviation - Jet fuel > N2O	0.133	0.127	0.130	0.115	0.122	0.132	0.131	0.139	0.137
1A3aii - Domestic Aviation	15.168	14.949	16.493	15.518	16.260	16.619	16.211	17.360	15.472
Aviation : Domestic Air transport : Interstate - Jet fuel > CH4	0.009	0.008	0.009	0.009	0.009	0.009	0.009	0.010	0.009
Aviation : Domestic Air transport : Interstate - Jet fuel > CO2	15.014	14.796	16.325	15.359	16.095	16.449	16.045	17.182	15.314
Aviation : Domestic Air transport : Interstate - Jet fuel > N2O	0.146	0.144	0.159	0.150	0.157	0.160	0.156	0.167	0.149
1A3d - Water-borne Navigation	13.96	10.11	12.38	7.91	9.90	12.67	14.31	15.94	13.55
1A3di - International Water-borne Navigation (International Bunkers)	13.958	10.112	12.381	7.905	9.899	12.670	14.309	15.943	13.548
Water-borne : International Marine Bunker Fuel - Residual fuel oil > CH4	0.036	0.026	0.032	0.020	0.026	0.033	0.037	0.041	0.035
Water-borne : International Marine Bunker Fuel - Residual fuel oil > CO2	13.746	9.957	12.187	7.780	9.740	12.465	14.073	15.680	13.325
Water-borne : International Marine Bunker Fuel - Residual fuel oil > N2O	0.176	0.129	0.161	0.104	0.133	0.173	0.199	0.222	0.189
<b>1A5 - Non-Specified</b>	<b>2.85</b>	<b>3.47</b>	<b>3.37</b>	<b>3.25</b>	<b>3.44</b>	<b>2.51</b>	<b>2.26</b>	<b>2.22</b>	<b>2.03</b>
Not Specified Military - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Military - Distillate > CO2	0.071	0.287	0.482	0.468	0.539	0.098	0.108	0.118	0.085
Not Specified Military - Distillate > N2O	0.000	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000
1A5b - Mobile	2.77	3.18	2.89	2.78	2.90	2.41	2.15	2.10	1.94
1A5bi - Mobile (Aviation Component)	2.774	3.184	2.888	2.782	2.903	2.408	2.150	2.101	1.943
Not Specified Military - Jet fuel > CH4	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001
Not Specified Military - Jet fuel > CO2	2.746	3.151	2.859	2.754	2.873	2.383	2.128	2.080	1.923
Not Specified Military - Jet fuel > N2O	0.027	0.031	0.028	0.027	0.028	0.023	0.021	0.020	0.019
<b>Summary for Excluded Emissions</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
<b>International and Interstate Emissions</b>	<b>45.74</b>	<b>41.73</b>	<b>45.77</b>	<b>38.59</b>	<b>42.24</b>	<b>45.46</b>	<b>46.34</b>	<b>49.90</b>	<b>45.23</b>

## California Greenhouse Gas Inventory for 2000-2008 — by IPCC Category

million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)

CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>1 - Energy</b>	<b>17.42</b>	<b>17.55</b>	<b>17.93</b>	<b>16.10</b>	<b>16.14</b>	<b>15.40</b>	<b>15.50</b>	<b>15.39</b>	<b>15.44</b>
<b>1A - Fuel Combustion Activities</b>	<b>17.42</b>	<b>17.55</b>	<b>17.93</b>	<b>16.10</b>	<b>16.14</b>	<b>15.40</b>	<b>15.50</b>	<b>15.39</b>	<b>15.44</b>
<b>1A1 - Energy Industries</b>	<b>9.54</b>	<b>9.40</b>	<b>11.33</b>	<b>9.36</b>	<b>9.30</b>	<b>9.75</b>	<b>10.04</b>	<b>9.62</b>	<b>9.34</b>
1A1a - Main Activity Electricity and Heat Production	9.54	9.40	11.33	9.36	9.30	9.75	10.04	9.62	9.34
1A1ai - Electricity Generation	6.190	5.866	8.841	6.840	6.641	6.746	7.037	6.650	6.604
In State Generation : Merchant Owned - Biomass > CO2	3.703	3.231	4.257	4.475	4.206	4.371	4.353	4.071	4.221
In State Generation : Merchant Owned - Digester gas > CO2	0.039	0.043	0.035	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Landfill gas > CO2	1.844	1.901	1.592	1.571	1.729	1.634	1.880	1.766	1.830
In State Generation : Merchant Owned - MSW > CO2	0.474	0.480	0.493	0.460	0.436	0.401	0.457	0.460	0.198
In State Generation : Utility Owned - Biomass > CO2	0.130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned - Digester gas > CO2	0.000	0.131	2.366	0.231	0.174	0.227	0.230	0.231	0.230
In State Generation : Utility Owned - Landfill gas > CO2	0.000	0.080	0.098	0.103	0.096	0.113	0.117	0.123	0.125
1A1aii - Combined Heat and Power Generation (CHP)	3.347	3.535	2.484	2.518	2.658	3.004	3.000	2.970	2.738
CHP: Commercial : Useful Thermal Output - Digester gas > CO2	0.034	0.016	0.016	0.016	0.045	0.056	0.057	0.109	0.093
CHP: Commercial : Useful Thermal Output - Landfill gas > CO2	0.009	0.000	0.000	0.000	0.000	0.012	0.012	0.026	0.022
CHP: Industrial : Useful Thermal Output - Biomass > CO2	1.280	1.032	0.605	0.613	1.337	1.547	1.033	1.498	1.427
CHP: Industrial : Useful Thermal Output - Landfill gas > CO2	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Tires > CO2	0.002	0.000	0.002	0.003	0.000	0.000	0.000	0.003	0.001
In State Generation : CHP: Commercial - Digester gas > CO2	0.239	0.101	0.162	0.308	0.314	0.354	0.338	0.280	0.276
In State Generation : CHP: Commercial - Landfill gas > CO2	0.029	0.000	0.000	0.000	0.000	0.047	0.066	0.030	0.030
In State Generation : CHP: Industrial - Biomass > CO2	1.641	2.271	1.579	1.520	0.897	0.912	1.415	0.963	0.822
In State Generation : CHP: Industrial - Digester gas > CO2	0.000	0.008	0.006	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Landfill gas > CO2	0.091	0.106	0.111	0.052	0.055	0.066	0.072	0.057	0.063
In State Generation : CHP: Industrial - Tires > CO2	0.005	0.000	0.004	0.006	0.009	0.009	0.007	0.004	0.003
<b>1A2 - Manufacturing Industries and Construction</b>	<b>3.75</b>	<b>4.23</b>	<b>2.62</b>	<b>2.55</b>	<b>2.58</b>	<b>2.84</b>	<b>2.89</b>	<b>2.95</b>	<b>3.03</b>
1A2f - Non-Metallic Minerals	0.04	0.04	0.04	0.05	0.05	0.06	0.04	0.05	0.07
Manufacturing : Stone, Clay, Glass & Cement : Cement - Biomass waste fuel > CO2	0.014	0.013	0.013	0.013	0.012	0.012	0.004	0.007	0.027
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > CO2	0.023	0.027	0.031	0.035	0.040	0.044	0.040	0.042	0.045
1A2m - Non-specified Industry.	3.72	4.19	2.57	2.50	2.53	2.78	2.85	2.90	2.96
Not Specified Industrial - Wood (wet) > CO2	3.718	4.192	2.574	2.503	2.527	2.783	2.847	2.904	2.961
<b>1A4 - Other Sectors</b>	<b>4.13</b>	<b>3.92</b>	<b>3.99</b>	<b>4.19</b>	<b>4.26</b>	<b>2.81</b>	<b>2.57</b>	<b>2.82</b>	<b>3.07</b>
1A4a - Commercial/Institutional	0.58	0.59	0.60	0.63	0.61	0.39	0.36	0.38	0.40
Not Specified Commercial - Wood (wet) > CO2	0.580	0.587	0.601	0.626	0.612	0.388	0.359	0.382	0.404
1A4b - Residential	3.55	3.33	3.38	3.56	3.65	2.43	2.21	2.44	2.66
Household Use - Wood (wet) > CO2	3.553	3.335	3.385	3.563	3.652	2.427	2.210	2.436	2.663
<b>3 - Agriculture, Forestry and Other Land Use</b>	<b>1.62</b>	<b>1.36</b>	<b>1.37</b>	<b>1.42</b>	<b>1.40</b>	<b>1.51</b>	<b>1.46</b>	<b>1.62</b>	<b>1.69</b>
<b>3C - Aggregate Sources and Non-CO2 Emissions Sources on Land</b>	<b>1.62</b>	<b>1.36</b>	<b>1.37</b>	<b>1.42</b>	<b>1.40</b>	<b>1.51</b>	<b>1.46</b>	<b>1.62</b>	<b>1.69</b>
<b>3C1 - Emissions from Biomass Burning</b>	<b>1.62</b>	<b>1.36</b>	<b>1.37</b>	<b>1.42</b>	<b>1.40</b>	<b>1.51</b>	<b>1.46</b>	<b>1.62</b>	<b>1.69</b>
3C1b - Biomass Burning in Croplands	1.62	1.36	1.37	1.42	1.40	1.51	1.46	1.62	1.69
Crop acreage burned - Almond > CO2	0.718	0.712	0.718	0.718	0.754	0.824	0.889	0.901	0.936

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<b>CO2 from biogenic materials</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
Crop acreage burned - Barley > CO2	0.011	0.013	0.011	0.008	0.009	0.008	0.008	0.007	0.008
Crop acreage burned - Corn > CO2	0.079	0.070	0.079	0.077	0.078	0.081	0.075	0.094	0.097
Crop acreage burned - Rice > CO2	0.471	0.225	0.220	0.226	0.208	0.268	0.167	0.271	0.264
Crop acreage burned - Walnut > CO2	0.213	0.215	0.219	0.221	0.221	0.222	0.222	0.224	0.224
Crop acreage burned - Wheat > CO2	0.124	0.120	0.122	0.169	0.132	0.111	0.101	0.125	0.160
<b>4 - Waste</b>	<b>5.46</b>	<b>5.77</b>	<b>6.01</b>	<b>6.00</b>	<b>6.06</b>	<b>6.34</b>	<b>6.56</b>	<b>6.49</b>	<b>6.65</b>
<b>4A - Solid Waste Disposal</b>	<b>5.46</b>	<b>5.77</b>	<b>6.01</b>	<b>6.00</b>	<b>6.06</b>	<b>6.34</b>	<b>6.56</b>	<b>6.49</b>	<b>6.65</b>
<b>4A1 - Managed Waste Disposal Sites</b>	<b>5.46</b>	<b>5.77</b>	<b>6.01</b>	<b>6.00</b>	<b>6.06</b>	<b>6.34</b>	<b>6.56</b>	<b>6.49</b>	<b>6.65</b>
Landfills > Landfill emissions - Landfill gas > CO2	5.459	5.774	6.013	5.995	6.056	6.338	6.558	6.490	6.653
<b>Summary for CO2 from biogenic materials</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
<b>Carbon dioxide from Biogenic sources</b>	<b>24.50</b>	<b>24.68</b>	<b>25.31</b>	<b>23.51</b>	<b>23.60</b>	<b>23.26</b>	<b>23.52</b>	<b>23.50</b>	<b>23.78</b>

Archiving