

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>1 - Energy</b>	<b>404.81</b>	<b>422.08</b>	<b>418.56</b>	<b>417.19</b>	<b>426.88</b>	<b>419.81</b>	<b>416.21</b>	<b>422.34</b>	<b>422.66</b>	<b>391.89</b>	<b>384.99</b>
<b>1A - Fuel Combustion Activities</b>	<b>399.62</b>	<b>417.06</b>	<b>413.31</b>	<b>412.33</b>	<b>422.35</b>	<b>414.89</b>	<b>410.64</b>	<b>416.81</b>	<b>417.10</b>	<b>387.12</b>	<b>379.87</b>
<b>1A1 - Energy Industries</b>	<b>159.14</b>	<b>175.71</b>	<b>161.40</b>	<b>166.92</b>	<b>171.62</b>	<b>163.37</b>	<b>157.10</b>	<b>165.81</b>	<b>173.67</b>	<b>151.64</b>	<b>140.92</b>
<b>1A1a - Main Activity Electricity and Heat Production</b>	<b>116.38</b>	<b>132.30</b>	<b>119.13</b>	<b>122.24</b>	<b>127.50</b>	<b>119.42</b>	<b>115.88</b>	<b>124.34</b>	<b>129.70</b>	<b>113.34</b>	<b>100.87</b>
<b>1A1ai - Electricity Generation</b>	<b>84.808</b>	<b>103.494</b>	<b>86.523</b>	<b>92.866</b>	<b>98.066</b>	<b>91.194</b>	<b>88.845</b>	<b>98.223</b>	<b>104.632</b>	<b>84.156</b>	<b>75.263</b>
Imported Electricity : Specified Imports : Arizona : Apache Station (AZ) - Primary fuel: Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Apache Station (AZ) - Primary fuel: Coal > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.058	0.056
Imported Electricity : Specified Imports : Arizona : Apache Station (AZ) - Primary fuel: Coal > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Arlington Valley Energy Facility (AZ) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Arlington Valley Energy Facility (AZ) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.127	0.000
Imported Electricity : Specified Imports : Arizona : Arlington Valley Energy Facility (AZ) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Griffith Energy (AZ) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Griffith Energy (AZ) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042	0.000
Imported Electricity : Specified Imports : Arizona : Griffith Energy (AZ) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Harquahala Generating Project (AZ) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Harquahala Generating Project (AZ) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.006
Imported Electricity : Specified Imports : Arizona : Harquahala Generating Project (AZ) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Mesquite Generating Station (AZ) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Mesquite Generating Station (AZ) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Mesquite Generating Station (AZ) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.112	0.132
Imported Electricity : Specified Imports : Arizona : Navajo (AZ) - Primary fuel: Coal > CO2	3.630	3.507	3.650	3.326	3.465	3.131	3.367	3.463	3.451	3.208	3.221
Imported Electricity : Specified Imports : Arizona : Navajo (AZ) - Primary fuel: Coal > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Imported Electricity : Specified Imports : Arizona : Navajo (AZ) - Primary fuel: Coal > N2O	0.019	0.019	0.019	0.018	0.018	0.017	0.018	0.018	0.018	0.016	0.017
Imported Electricity : Specified Imports : Arizona : Red Hawk (AZ) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Red Hawk (AZ) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Red Hawk (AZ) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Yucca/Yuma Axis (AZ) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Yucca/Yuma Axis (AZ) - Primary fuel: Natural Gas > CO2	0.129	0.174	0.109	0.066	0.074	0.068	0.078	0.081	0.082	0.186	0.190
Imported Electricity : Specified Imports : Arizona : Yucca/Yuma Axis (AZ) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Yuma Cogeneration Associates (AZ) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.135	0.076
Imported Electricity : Specified Imports : Arizona : Yuma Cogeneration Associates (AZ) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Yuma Cogeneration Associates (AZ) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Canada : Armstrong Woodwaste Cogeneration (CAN) - Primary fuel: Biomass > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000
Imported Electricity : Specified Imports : Canada : Armstrong Woodwaste Cogeneration (CAN) - Primary fuel: Biomass > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Canada : Armstrong Woodwaste Cogeneration (CAN) - Primary fuel: Biomass > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Canada : Prince George Pulp & Paper (CAN) - Primary fuel: Biomass > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Imported Electricity : Specified Imports : Canada : Prince George Pulp & Paper (CAN) - Primary fuel: Biomass > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Imported Electricity : Specified Imports : Canada : Prince George Pulp & Paper (CAN) - Primary fuel: Biomass > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Imported Electricity : Specified Imports : Mexico : La Rosita (MEX) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
Imported Electricity : Specified Imports : Mexico : La Rosita (MEX) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Mexico : La Rosita (MEX) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.965	0.789	0.687
Imported Electricity : Specified Imports : Mexico : Termoelectrica de Mexicali (MEX) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.240	1.573	1.625	1.064
Imported Electricity : Specified Imports : Mexico : Termoelectrica de Mexicali (MEX) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000
Imported Electricity : Specified Imports : Mexico : Termoelectrica de Mexicali (MEX) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001

California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

Gross emissions & sinks

Table with 12 columns (Year 2000-2010) and multiple rows of data for various imported electricity sources and fuel types (Natural Gas, Coal, Biomass) across different states (Nevada, New Mexico, Oregon, Utah, Washington).

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Imported Electricity : Specified Imports : Washington : Simpson (WA) - Primary fuel: Biomass > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.004
Imported Electricity : Specified Imports : Washington : Simpson (WA) - Primary fuel: Biomass > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.008
Imported Electricity : Specified Imports : Washington : Transalta Centralia Generation (WA) - Primary fuel: Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Washington : Transalta Centralia Generation (WA) - Primary fuel: Coal > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.281	0.423
Imported Electricity : Specified Imports : Washington : Transalta Centralia Generation (WA) - Primary fuel: Coal > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002
Imported Electricity : Specified Imports : Washington : Weyerhaeuser Long View (WA) - Primary fuels: Biomass, Coal and Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Washington : Weyerhaeuser Long View (WA) - Primary fuels: Biomass, Coal and Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000
Imported Electricity : Specified Imports : Washington : Weyerhaeuser Long View (WA) - Primary fuels: Biomass, Coal and Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Unspecified Imports : Pacific Northwest - Unspecified sources > N2O	0.022	0.013	0.028	0.041	0.034	0.027	0.034	0.037	0.050	0.005	0.005
Imported Electricity : Unspecified Imports : Pacific Northwest - Unspecified sources > CO2	4.202	2.592	6.147	8.835	7.513	6.076	7.424	7.967	10.870	7.787	7.919
Imported Electricity : Unspecified Imports : Pacific Northwest - Unspecified sources > CH4	0.001	0.001	0.001	0.002	0.002	0.001	0.002	0.002	0.003	0.003	0.003
Imported Electricity : Unspecified Imports : Pacific Southwest - Unspecified sources > N2O	0.045	0.102	0.086	0.096	0.097	0.096	0.075	0.099	0.121	0.005	0.004
Imported Electricity : Unspecified Imports : Pacific Southwest - Unspecified sources > CO2	9.997	22.713	20.653	23.073	25.266	23.810	20.417	24.622	26.875	7.190	5.520
Imported Electricity : Unspecified Imports : Pacific Southwest - Unspecified sources > CH4	0.002	0.005	0.005	0.006	0.007	0.006	0.006	0.007	0.007	0.003	0.002
In State Generation : Merchant Owned - Associated gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Associated gas > CO2	0.000	0.000	0.000	0.000	0.000	0.048	0.052	0.043	0.042	0.027	0.026
In State Generation : Merchant Owned - Associated gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Biomass > CH4	0.027	0.023	0.030	0.032	0.030	0.031	0.031	0.029	0.030	0.023	0.020
In State Generation : Merchant Owned - Biomass > N2O	0.051	0.045	0.059	0.062	0.058	0.061	0.060	0.057	0.059	0.048	0.041
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	0.000	0.000
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	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	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	0.000	0.000
In State Generation : Merchant Owned - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Distillate > CO2	0.252	0.486	0.050	0.058	0.050	0.046	0.035	0.020	0.023	0.016	0.016
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	0.000	0.000
In State Generation : Merchant Owned - Jet fuel > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Jet fuel > CO2	0.000	0.000	0.000	0.002	0.022	0.036	0.043	0.026	0.010	0.011	0.011
In State Generation : Merchant Owned - Jet fuel > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.005	0.005
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	0.000	0.000
In State Generation : Merchant Owned - Landfill gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.011	0.028
In State Generation : Merchant Owned - Landfill gas > N2O	0.003	0.004	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.001	0.005
In State Generation : Merchant Owned - MSW > CH4	0.005	0.005	0.006	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.001
In State Generation : Merchant Owned - MSW > CO2	0.249	0.253	0.259	0.110	0.109	0.090	0.106	0.111	0.104	0.248	0.178
In State Generation : Merchant Owned - MSW > N2O	0.010	0.011	0.011	0.005	0.005	0.004	0.004	0.005	0.004	0.007	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	0.009	0.008
In State Generation : Merchant Owned - Natural gas > CO2	30.180	35.914	21.354	21.519	24.918	20.473	23.546	26.254	26.253	24.441	18.841
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	0.014	0.012
In State Generation : Merchant Owned - Petroleum coke > CH4	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.001	0.000
In State Generation : Merchant Owned - Petroleum coke > CO2	0.931	0.961	0.930	1.159	1.203	1.226	1.239	1.293	1.134	1.230	0.572
In State Generation : Merchant Owned - Petroleum coke > N2O	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.005	0.002	0.001

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
In State Generation : Merchant Owned - Propane > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Propane > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002
In State Generation : Merchant Owned - Propane > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Refinery gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Refinery gas > CO2	0.085	0.000	0.000	0.000	0.034	0.034	0.031	0.339	0.038	0.030	0.000
In State Generation : Merchant Owned - Refinery gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	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	0.000	0.000
In State Generation : Merchant Owned -Residual fuel oil > CO2	0.027	0.042	0.019	0.004	0.000	0.002	0.002	0.000	0.000	0.000	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	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	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	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	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	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	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	0.000	0.000
In State Generation : Utility Owned - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000	0.000
In State Generation : Utility Owned - Distillate > CO2	0.131	0.105	0.046	0.052	0.049	0.057	0.051	0.052	0.051	0.044	0.030
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	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	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	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	0.004	0.004
In State Generation : Utility Owned - Natural gas > CO2	6.946	6.450	4.825	5.304	5.569	6.311	8.983	10.195	11.028	9.998	11.918
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	0.006	0.007
In State Generation : Utility Owned - Propane > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned - Propane > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned - Propane > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned -Refinery gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Utility Owned -Refinery gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.000	0.000
In State Generation : Utility Owned -Refinery gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000	0.000
In State Generation : Utility Owned - Residual fuel oil > CO2	0.014	0.190	0.000	0.002	0.000	0.000	0.006	0.008	0.004	0.005	0.005
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	0.000	0.000
<b>1A1a(i) - Combined Heat and Power Generation (CHP)</b>	<b>31.568</b>	<b>28.807</b>	<b>32.604</b>	<b>29.377</b>	<b>29.430</b>	<b>28.230</b>	<b>27.037</b>	<b>26.117</b>	<b>25.072</b>	<b>29.179</b>	<b>25.612</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	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	0.000	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	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	0.000	0.000
CHP: Commercial : Useful Thermal Output - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000	0.000
CHP: Commercial : Useful Thermal Output - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Jet fuel > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Jet fuel > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Jet fuel > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
CHP: Commercial : Useful Thermal Output - Kerosene > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Landfill gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Landfill gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Natural gas > CO2	1.089	1.053	1.056	0.259	0.624	0.401	0.417	0.480	0.372	0.923	1.032
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	0.001	0.001
CHP: Commercial : Useful Thermal Output - Propane > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Propane > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Propane > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Biomass > CH4	0.009	0.007	0.004	0.004	0.008	0.010	0.011	0.011	0.010	0.002	0.003
CHP: Industrial : Useful Thermal Output - Biomass > N2O	0.018	0.014	0.008	0.009	0.016	0.020	0.021	0.021	0.020	0.005	0.006
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	0.005	0.003
CHP: Industrial : Useful Thermal Output - Coal > CO2	1.650	1.713	1.648	1.733	2.114	1.998	2.064	2.034	1.716	2.266	1.248
CHP: Industrial : Useful Thermal Output - Coal > N2O	0.009	0.009	0.009	0.009	0.011	0.011	0.011	0.011	0.009	0.012	0.006
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	0.000	0.000
CHP: Industrial : Useful Thermal Output - Crude oil > CO2	0.045	0.046	0.030	0.057	0.051	0.055	0.057	0.064	0.067	0.038	0.064
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	0.000	0.000
CHP: Industrial : Useful Thermal Output - Digester gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.001	0.000
CHP: Industrial : Useful Thermal Output - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Landfill gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Landfill gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - MSW > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
CHP: Industrial : Useful Thermal Output - MSW > CO2	0.000	0.000	0.000	0.000	0.000	0.013	0.010	0.008	0.028	0.000	0.000
CHP: Industrial : Useful Thermal Output - MSW > N2O	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000
CHP: Industrial : Useful Thermal Output - Natural gas > CH4	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.002	0.002
CHP: Industrial : Useful Thermal Output - Natural gas > CO2	7.520	6.709	7.971	7.535	9.472	8.716	8.352	7.742	7.474	5.318	5.218
CHP: Industrial : Useful Thermal Output - Natural gas > N2O	0.004	0.004	0.005	0.004	0.006	0.005	0.005	0.005	0.004	0.003	0.003
CHP: Industrial : Useful Thermal Output - Petroleum coke > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.000
CHP: Industrial : Useful Thermal Output - Petroleum coke > CO2	0.590	0.642	0.282	0.253	0.376	0.463	0.575	0.454	0.100	0.646	0.022
CHP: Industrial : Useful Thermal Output - Petroleum coke > N2O	0.003	0.003	0.001	0.001	0.002	0.002	0.003	0.002	0.000	0.003	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	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	0.001	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	0.000	0.000
CHP: Industrial : Useful Thermal Output - Refinery gas > CH4	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000
CHP: Industrial : Useful Thermal Output - Refinery gas > CO2	1.710	1.245	0.672	0.809	0.799	1.030	0.961	0.697	0.921	1.931	1.139
CHP: Industrial : Useful Thermal Output - Refinery gas > N2O	0.005	0.004	0.002	0.003	0.003	0.003	0.003	0.002	0.003	0.001	0.001
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	0.000	0.000
CHP: Industrial : Useful Thermal Output - Residual fuel oil > CO2	0.001	0.000	0.000	0.000	0.003	0.003	0.000	0.000	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	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	0.000	0.000
CHP: Industrial : Useful Thermal Output - Tires > CO2	0.007	0.000	0.006	0.012	0.014	0.014	0.012	0.010	0.006	0.027	0.005
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	0.000	0.000

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
CHP: Industrial : Useful Thermal Output - Waste oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Waste oil > CO2	0.105	0.067	0.000	0.149	0.026	0.051	0.063	0.076	0.024	0.000	0.000
CHP: Industrial : Useful Thermal Output - Waste oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	0.000	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	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	0.000	0.000
In State Generation : CHP: Commercial - Digester gas > N2O	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	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	0.000	0.000
In State Generation : CHP: Commercial - Distillate > CO2	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	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	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	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	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	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	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	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	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	0.000	0.000
In State Generation : CHP: Commercial - Natural gas > CO2	0.728	0.670	0.691	0.857	0.690	0.727	0.714	0.774	0.763	1.045	0.672
In State Generation : CHP: Commercial - Natural gas > N2O	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001	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	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	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	0.000	0.000
In State Generation : CHP: Industrial - Biomass > CH4	0.012	0.016	0.011	0.011	0.008	0.007	0.007	0.007	0.006	0.010	0.007
In State Generation : CHP: Industrial - Biomass > N2O	0.023	0.032	0.022	0.021	0.015	0.014	0.013	0.013	0.011	0.020	0.015
In State Generation : CHP: Industrial - Coal > CH4	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.005
In State Generation : CHP: Industrial - Coal > CO2	2.259	2.127	2.390	2.164	1.843	1.749	1.840	1.900	2.058	1.167	2.227
In State Generation : CHP: Industrial - Coal > N2O	0.012	0.011	0.013	0.011	0.010	0.009	0.010	0.010	0.011	0.006	0.011
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	0.000	0.000
In State Generation : CHP: Industrial - Crude oil > CO2	0.017	0.012	0.056	0.015	0.010	0.006	0.006	0.007	0.008	0.004	0.006
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	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	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	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	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	0.002	0.001
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	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	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	0.000	0.000
In State Generation : CHP: Industrial - MSW > CH4	0.000	0.000	0.000	0.003	0.003	0.002	0.003	0.003	0.003	0.000	0.000
In State Generation : CHP: Industrial - MSW > CO2	0.000	0.000	0.000	0.132	0.120	0.108	0.124	0.122	0.123	0.000	0.000
In State Generation : CHP: Industrial - MSW > N2O	0.000	0.000	0.000	0.005	0.005	0.004	0.005	0.005	0.005	0.000	0.000
In State Generation : CHP: Industrial - Natural gas > CH4	0.005	0.005	0.006	0.005	0.004	0.004	0.004	0.004	0.004	0.005	0.004
In State Generation : CHP: Industrial - Natural gas > CO2	13.018	12.373	15.252	13.194	11.181	10.565	9.782	9.847	9.929	13.368	11.630
In State Generation : CHP: Industrial - Natural gas > N2O	0.008	0.007	0.009	0.008	0.007	0.006	0.006	0.006	0.006	0.008	0.007

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
In State Generation : CHP: Industrial - Petroleum coke > CH4	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.002	0.000	0.000
In State Generation : CHP: Industrial - Petroleum coke > CO2	1.391	1.332	1.725	1.184	1.240	1.376	1.177	1.112	0.789	0.239	0.181
In State Generation : CHP: Industrial - Petroleum coke > N2O	0.007	0.006	0.008	0.006	0.006	0.007	0.006	0.005	0.004	0.001	0.000
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	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	0.001	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	0.000	0.000
In State Generation : CHP: Industrial - Refinery gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
In State Generation : CHP: Industrial - Refinery gas > CO2	1.165	0.612	0.624	0.718	0.708	0.761	0.688	0.573	0.541	2.091	2.068
In State Generation : CHP: Industrial - Refinery gas > N2O	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.001
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	0.000	0.000
In State Generation : CHP: Industrial - Residual fuel oil > CO2	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	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	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	0.000	0.000
In State Generation : CHP: Industrial - Tires > CO2	0.022	0.001	0.018	0.025	0.022	0.024	0.017	0.015	0.012	0.020	0.019
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	0.000	0.000
In State Generation : CHP: Industrial - Waste oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Waste oil > CO2	0.113	0.060	0.002	0.162	0.018	0.046	0.056	0.069	0.029	0.000	0.000
In State Generation : CHP: Industrial - Waste oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A1b - Petroleum Refining</b>	<b>25.14</b>	<b>25.80</b>	<b>25.89</b>	<b>26.70</b>	<b>25.79</b>	<b>26.92</b>	<b>27.54</b>	<b>27.08</b>	<b>26.42</b>	<b>21.96</b>	<b>24.43</b>
Petroleum Refining - Catalyst coke > CO2	4.727	4.711	4.761	4.940	5.019	5.023	5.035	4.669	4.201	5.802	5.621
Petroleum Refining - Digester gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Distillate > CO2	0.001	0.017	0.001	0.002	0.002	0.066	0.034	0.027	0.052	0.010	0.008
Petroleum Refining - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - LPG > CH4	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - LPG > CO2	0.505	0.688	0.275	0.516	0.395	0.415	0.247	0.236	0.246	0.000	0.000
Petroleum Refining - LPG > N2O	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.000	0.000
Petroleum Refining - Natural gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Petroleum Refining - Natural gas > CO2	1.681	1.545	1.827	1.874	1.913	1.973	1.963	2.075	2.142	2.284	2.958
Petroleum Refining - Natural gas > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Petroleum Refining - Petroleum coke > CH4	0.001	0.001	0.001	0.001	0.001	0.002	0.005	0.005	0.005	0.000	0.000
Petroleum Refining - Petroleum coke > CO2	0.399	0.400	0.389	0.418	0.424	0.840	2.077	2.181	2.309	0.222	0.000
Petroleum Refining - Petroleum coke > N2O	0.002	0.002	0.002	0.002	0.002	0.004	0.010	0.011	0.011	0.000	0.000
Petroleum Refining - Process gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Process gas > CO2	0.335	0.342	0.345	0.352	0.342	0.353	0.362	0.358	0.354	0.328	0.312
Petroleum Refining - Process gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Refinery gas > CH4	0.006	0.006	0.007	0.007	0.006	0.006	0.006	0.006	0.006	0.010	0.005
Petroleum Refining - Refinery gas > CO2	17.466	18.075	18.271	18.572	17.676	18.226	17.792	17.495	17.086	13.280	15.517
Petroleum Refining - Refinery gas > N2O	0.009	0.009	0.010	0.010	0.009	0.010	0.009	0.009	0.009	0.017	0.008
Petroleum Refining - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Residual fuel oil > CO2	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

## California Greenhouse Gas Inventory for 2000-2010 — 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	2009	2010
<b>1A1c - Manufacture of Solid Fuels and Other Energy Industries</b>	<b>17.63</b>	<b>17.60</b>	<b>16.39</b>	<b>17.98</b>	<b>18.33</b>	<b>17.02</b>	<b>13.68</b>	<b>14.40</b>	<b>17.54</b>	<b>16.35</b>	<b>15.61</b>
1A1cii - Other Energy Industries	17.625	17.604	16.387	17.984	18.327	17.022	13.676	14.398	17.536	16.350	15.610
Oil & Gas Extraction - Associated gas > CH4	0.001	0.001	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	3.462	3.563
Oil & Gas Extraction - Associated gas > N2O	0.002	0.001	0.002	0.002	0.002	0.002	0.001	0.001	0.002	0.002	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	0.000	0.000
Oil & Gas Extraction - Distillate > CO2	0.062	0.081	0.106	0.112	0.118	0.106	0.091	0.124	0.125	0.028	0.027
Oil & Gas Extraction - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil & Gas Extraction - Natural gas > CH4	0.005	0.006	0.005	0.005	0.005	0.005	0.004	0.004	0.005	0.005	0.005
Oil & Gas Extraction - Natural gas > CO2	13.831	13.994	12.077	13.501	13.671	12.754	10.040	10.596	13.193	12.417	11.401
Oil & Gas Extraction - Natural gas > N2O	0.008	0.008	0.007	0.008	0.008	0.007	0.006	0.006	0.008	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	0.000	0.000
Oil & Gas Extraction - Residual fuel oil > CO2	0.000	0.167	0.065	0.008	0.000	0.000	0.000	0.000	0.174	0.000	0.000
Oil & Gas Extraction - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pipelines : Natural Gas Pipelines - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pipelines : Natural Gas Pipelines - Natural gas > CO2	0.492	0.588	0.519	0.469	0.701	0.585	0.381	0.491	0.423	0.348	0.528
Pipelines : Natural Gas Pipelines - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pipelines : Non Natural Gas Pipelines - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pipelines : Non Natural Gas Pipelines - Natural gas > CO2	0.066	0.078	0.082	0.045	0.064	0.072	0.056	0.078	0.088	0.080	0.077
Pipelines : Non Natural Gas Pipelines - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A2 - Manufacturing Industries and Construction</b>	<b>24.80</b>	<b>23.53</b>	<b>25.04</b>	<b>21.35</b>	<b>21.55</b>	<b>20.78</b>	<b>20.81</b>	<b>19.26</b>	<b>20.26</b>	<b>18.65</b>	<b>21.04</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	0.000	0.000
Manufacturing : Primary Metals - Natural gas > CO2	0.798	0.779	0.904	0.755	0.723	0.602	0.449	0.520	0.531	0.353	0.456
Manufacturing : Primary Metals - Natural gas > N2O	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2c - Chemicals	4.55	4.08	3.97	2.60	3.22	3.81	3.78	3.13	3.91	3.82	5.36
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural gas > CH4	0.002	0.002	0.002	0.001	0.001	0.002	0.001	0.001	0.002	0.002	0.002
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural gas > CO2	4.543	4.075	3.968	2.596	3.212	3.806	3.781	3.125	3.905	3.813	5.358
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural gas > N2O	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003
1A2d - Pulp, Paper and Print	1.05	0.94	1.01	0.92	0.94	0.62	0.64	0.55	0.46	0.40	0.40
Manufacturing : Printing & Publishing - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Printing & Publishing - Natural gas > CO2	0.126	0.104	0.109	0.087	0.089	0.081	0.076	0.075	0.067	0.062	0.054
Manufacturing : Printing & Publishing - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper - Natural gas > CO2	0.923	0.839	0.896	0.829	0.850	0.540	0.565	0.476	0.390	0.333	0.349
Manufacturing : Pulp & Paper - Natural gas > N2O	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2e - Food Processing, Beverages and Tobacco	3.89	3.51	3.80	3.12	3.16	3.02	3.31	3.32	3.18	3.12	3.08
Manufacturing : Food Products - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Food Products - Natural gas > CO2	0.287	0.442	0.466	0.375	0.253	0.250	0.306	0.275	0.246	0.238	0.270
Manufacturing : Food Products - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.001	0.001
Manufacturing : Food Products : Food Processing - Natural gas > CO2	3.233	2.882	3.126	2.517	2.470	2.392	2.867	2.936	2.856	2.819	2.739
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	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	0.000	0.000
Manufacturing : Food Products : Sugar & Confections - Natural gas > CO2	0.370	0.180	0.206	0.221	0.432	0.379	0.134	0.110	0.075	0.060	0.067



## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Manufacturing : Food Products : Sugar & Confections - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Tobacco - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Tobacco - Natural gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Tobacco - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A2f - Non-Metallic Minerals</b>	<b>5.42</b>	<b>5.28</b>	<b>5.47</b>	<b>5.29</b>	<b>5.27</b>	<b>5.32</b>	<b>5.32</b>	<b>4.78</b>	<b>4.33</b>	<b>2.93</b>	<b>2.89</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	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement - Natural gas > CO2	0.722	0.487	0.532	0.385	0.370	0.381	0.772	0.676	0.501	0.337	0.300
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	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Biomass waste fuel > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Biomass waste fuel > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > CH4	0.008	0.008	0.008	0.007	0.007	0.007	0.007	0.006	0.005	0.003	0.003
Manufacturing : Stone, Clay, Glass & Cement : Cement -Coa I > CO2	3.086	3.068	3.050	3.032	3.013	2.995	2.827	2.543	2.283	1.432	1.424
Manufacturing : Stone, Clay, Glass & Cement : Cement -Coa I > N2O	0.016	0.016	0.016	0.016	0.016	0.016	0.015	0.014	0.011	0.007	0.007
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	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	0.000	0.000
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	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - LPG > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - LPG > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - LPG > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural gas > CO2	0.128	0.144	0.152	0.161	0.169	0.177	0.153	0.130	0.104	0.063	0.049
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	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum coke > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	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	0.495	0.479
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum coke > N2O	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.002	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	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Residual fuel oil > CO2	0.063	0.066	0.069	0.072	0.074	0.077	0.055	0.032	0.010	0.000	0.000
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	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > CO2	0.076	0.090	0.104	0.118	0.132	0.146	0.134	0.140	0.166	0.114	0.128
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > N2O	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.000	0.000	0.001
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	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural gas > CO2	0.001	0.177	0.247	0.272	0.301	0.359	0.003	0.002	0.002	0.001	0.001
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	0.000	0.000
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	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Glass Containers - Natural gas > CO2	0.740	0.636	0.693	0.619	0.567	0.533	0.615	0.529	0.498	0.476	0.495
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	0.000	0.000
<b>1A2g - Transport Equipment</b>	<b>0.46</b>	<b>0.48</b>	<b>0.52</b>	<b>0.31</b>	<b>0.27</b>	<b>0.27</b>	<b>0.26</b>	<b>0.28</b>	<b>0.29</b>	<b>0.25</b>	<b>0.25</b>
Manufacturing : Transportation Equip. - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Transportation Equip. - Natural gas > CO2	0.455	0.483	0.524	0.314	0.269	0.269	0.263	0.276	0.287	0.254	0.247
Manufacturing : Transportation Equip. - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A2h - Machinery</b>	<b>1.75</b>	<b>1.27</b>	<b>1.33</b>	<b>0.98</b>	<b>1.01</b>	<b>1.02</b>	<b>1.04</b>	<b>0.99</b>	<b>0.93</b>	<b>0.82</b>	<b>0.80</b>
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	0.000	0.000
Manufacturing : Electric & Electronic Equip. - Natural gas > CO2	0.058	0.043	0.054	0.029	0.031	0.028	0.029	0.029	0.028	0.025	0.024
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	0.000	0.000

## California Greenhouse Gas Inventory for 2000-2010 — 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	2009	2010
Manufacturing : Metal Durables : Computers & Office Machines - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Computers & Office Machines - Natural gas > CO2	0.886	0.390	0.422	0.357	0.319	0.334	0.362	0.333	0.290	0.266	0.254
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	0.000	0.000
Manufacturing : Metal Durables : Fabricated Metal Products - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Fabricated Metal Products - Natural gas > CO2	0.665	0.705	0.723	0.492	0.519	0.525	0.508	0.506	0.478	0.411	0.433
Manufacturing : Metal Durables : Fabricated Metal Products - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural gas > CO2	0.145	0.130	0.130	0.099	0.137	0.127	0.144	0.121	0.131	0.120	0.093
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A2i - Mining (excluding fuels) and Quarrying</b>	<b>0.86</b>	<b>0.31</b>	<b>0.31</b>	<b>0.34</b>	<b>0.36</b>	<b>0.34</b>	<b>0.11</b>	<b>0.16</b>	<b>0.19</b>	<b>0.14</b>	<b>0.15</b>
Mining : Coal - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Coal - Natural gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Coal - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Metals - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Metals - Natural gas > CO2	0.532	0.282	0.275	0.266	0.272	0.257	0.011	0.012	0.000	0.000	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	0.000	0.000
Mining : Non Metals - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Non Metals - Natural gas > CO2	0.325	0.031	0.035	0.070	0.092	0.084	0.095	0.149	0.188	0.141	0.148
Mining : Non Metals - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A2j - Wood and Wood Products</b>	<b>0.40</b>	<b>0.31</b>	<b>0.19</b>	<b>0.16</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.08</b>	<b>0.07</b>	<b>0.05</b>	<b>0.05</b>
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural gas > CO2	0.059	0.053	0.055	0.042	0.043	0.041	0.039	0.034	0.027	0.021	0.018
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural gas > CO2	0.338	0.256	0.137	0.115	0.069	0.066	0.066	0.049	0.045	0.034	0.032
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A2k - Construction</b>	<b>0.41</b>	<b>0.60</b>	<b>0.62</b>	<b>0.63</b>	<b>0.78</b>	<b>0.74</b>	<b>0.62</b>	<b>0.50</b>	<b>0.45</b>	<b>0.43</b>	<b>0.51</b>
Manufacturing : Construction - Ethanol > CH4	0.000	0.000	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	0.019	0.019	0.015	0.015	0.014	0.027
Manufacturing : Construction - Ethanol > N2O	0.000	0.000	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	0.000	0.000
Manufacturing : Construction - Gasoline > CO2	0.282	0.484	0.522	0.513	0.579	0.508	0.504	0.399	0.355	0.339	0.408
Manufacturing : Construction - Gasoline > N2O	0.001	0.001	0.001	0.001	0.002	0.001	0.001	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	0.000	0.000
Manufacturing : Construction - Natural gas > CO2	0.128	0.117	0.097	0.108	0.174	0.215	0.095	0.088	0.075	0.079	0.078
Manufacturing : Construction - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A2l - Textile and Leather</b>	<b>0.56</b>	<b>0.54</b>	<b>0.59</b>	<b>0.45</b>	<b>0.44</b>	<b>0.43</b>	<b>0.39</b>	<b>0.35</b>	<b>0.31</b>	<b>0.23</b>	<b>0.24</b>
Manufacturing : Textiles : Apparel - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Apparel - Natural gas > CO2	0.026	0.025	0.028	0.016	0.020	0.021	0.022	0.020	0.014	0.011	0.010
Manufacturing : Textiles : Apparel - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Leather - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Leather - Natural gas > CO2	0.004	0.008	0.004	0.006	0.003	0.004	0.002	0.002	0.002	0.001	0.001
Manufacturing : Textiles : Leather - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Textile Mills - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Textile Mills - Natural gas > CO2	0.533	0.503	0.560	0.426	0.419	0.410	0.368	0.328	0.289	0.222	0.232

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Manufacturing : Textiles : Textile Mills - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A2m - Non-specified Industry.</b>	<b>4.65</b>	<b>5.42</b>	<b>6.31</b>	<b>5.80</b>	<b>5.27</b>	<b>4.49</b>	<b>4.77</b>	<b>4.59</b>	<b>5.62</b>	<b>6.10</b>	<b>6.84</b>
Manufacturing - Coal > CH4	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005
Manufacturing - Coal > CO2	1.551	1.441	1.543	1.569	1.444	1.560	1.528	1.691	1.673	1.643	1.864
Manufacturing - Coal > N2O	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.010
Manufacturing - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
Manufacturing - Distillate > CO2	0.439	0.489	0.437	0.477	0.517	0.469	0.533	0.537	0.431	0.624	0.723
Manufacturing - Distillate > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002
Manufacturing - Ethanol > CH4	0.000	0.000	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	0.021	0.034	0.034	0.033	0.032	0.036	0.035	0.066
Manufacturing - Ethanol > N2O	0.000	0.000	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	0.001	0.001
Manufacturing - Gasoline > CO2	0.149	0.833	0.879	0.917	0.968	0.891	0.885	0.862	0.871	0.829	0.996
Manufacturing - Gasoline > N2O	0.000	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.003
Manufacturing - Kerosene > CH4	0.000	0.000	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	0.001	0.001
Manufacturing - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing - LPG > CH4	0.001	0.002	0.002	0.002	0.001	0.000	0.001	0.000	0.001	0.002	0.001
Manufacturing - LPG > CO2	1.448	1.550	2.236	1.631	1.168	0.426	0.730	0.465	1.082	1.503	1.479
Manufacturing - LPG > N2O	0.004	0.005	0.007	0.005	0.003	0.001	0.002	0.001	0.003	0.004	0.004
Manufacturing - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing - Natural gas > CO2	0.074	0.081	0.088	0.226	0.160	0.140	0.161	0.142	0.781	0.819	1.063
Manufacturing - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Manufacturing - Petroleum coke > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing - Petroleum coke > CO2	0.534	0.548	0.625	0.527	0.561	0.567	0.541	0.526	0.436	0.363	0.361
Manufacturing - Petroleum coke > N2O	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002
Manufacturing - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing - Residual fuel oil > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.003	0.006
Manufacturing - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Plastics & Rubber - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Plastics & Rubber - Natural gas > CO2	0.045	0.059	0.071	0.020	0.014	0.012	0.008	0.014	0.017	0.014	0.015
Manufacturing : Plastics & Rubber - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000	0.000
Manufacturing : Plastics & Rubber : Plastics - Natural gas > CO2	0.233	0.174	0.219	0.201	0.213	0.195	0.192	0.156	0.127	0.108	0.104
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	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	0.000	0.000
Not Specified Industrial - Other petroleum products > CO2	0.065	0.114	0.122	0.115	0.103	0.103	0.073	0.072	0.077	0.082	0.086
Not Specified Industrial - Other petroleum products > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Industrial - Wood (wet) > CH4	0.027	0.030	0.018	0.018	0.018	0.020	0.018	0.019	0.017	0.016	0.016
Not Specified Industrial - Wood (wet) > N2O	0.052	0.058	0.036	0.035	0.035	0.039	0.036	0.036	0.032	0.030	0.030
<b>1A3 - Transport</b>	<b>170.68</b>	<b>173.91</b>	<b>180.43</b>	<b>178.47</b>	<b>182.45</b>	<b>185.33</b>	<b>185.97</b>	<b>186.36</b>	<b>177.24</b>	<b>172.49</b>	<b>172.24</b>
Not Specified Transportation - Distillate > CH4	0.002	0.002	0.001	0.001	0.002	0.002	0.002	0.001	0.001	0.001	0.002
Not Specified Transportation - Distillate > CO2	2.132	2.893	1.740	1.758	1.776	1.897	1.803	1.346	1.085	1.278	1.822
Not Specified Transportation - Distillate > N2O	0.005	0.007	0.004	0.004	0.004	0.005	0.005	0.003	0.003	0.003	0.005
Not Specified Transportation - LPG > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Not Specified Transportation - LPG > CO2	0.083	0.095	0.122	0.115	0.116	0.205	0.211	0.185	0.321	0.247	0.209
Not Specified Transportation - LPG > N2O	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
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	0.000	0.000
Not Specified Transportation - Residual fuel oil > CO2	0.000	0.002	0.000	0.013	0.000	0.006	0.004	0.020	0.008	0.007	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	0.000	0.000
<b>1A3a - Civil Aviation</b>	<b>3.86</b>	<b>3.70</b>	<b>4.00</b>	<b>3.84</b>	<b>4.37</b>	<b>4.84</b>	<b>5.04</b>	<b>5.26</b>	<b>5.22</b>	<b>5.33</b>	<b>4.76</b>
Aviation - Ethanol > CH4	0.000	0.000	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	0.008	0.008	0.008	0.008	0.008	0.006	0.009
Aviation - Ethanol > N2O	0.000	0.000	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	0.000	0.000
Aviation - Gasoline > CO2	0.262	0.242	0.269	0.261	0.237	0.212	0.204	0.219	0.184	0.151	0.129
Aviation - Gasoline > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000
<b>1A3a-ii - Domestic Aviation</b>	<b>3.593</b>	<b>3.457</b>	<b>3.732</b>	<b>3.571</b>	<b>4.126</b>	<b>4.616</b>	<b>4.829</b>	<b>5.032</b>	<b>5.032</b>	<b>5.173</b>	<b>4.625</b>
Aviation : Domestic Air transport - Aviation gasoline > CH4	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.002	0.003	0.002
Aviation : Domestic Air transport - Aviation gasoline > CO2	0.234	0.217	0.241	0.239	0.210	0.200	0.213	0.180	0.133	0.147	0.126
Aviation : Domestic Air transport - Aviation gasoline > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Aviation : Domestic Air transport : Intrastate - Jet fuel > CH4	0.001	0.000	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	3.322	3.206	3.454	3.296	3.876	4.372	4.570	4.804	4.852	4.977	4.455
Aviation : Domestic Air transport : Intrastate - Jet fuel > N2O	0.030	0.029	0.031	0.030	0.035	0.039	0.041	0.043	0.044	0.045	0.040
<b>1A3b - Road Transportation</b>	<b>159.51</b>	<b>162.34</b>	<b>168.79</b>	<b>166.61</b>	<b>169.85</b>	<b>171.35</b>	<b>171.63</b>	<b>172.66</b>	<b>164.39</b>	<b>160.25</b>	<b>159.70</b>
On Road - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
On Road - Natural gas > CO2	0.119	0.146	0.151	0.185	0.208	0.510	0.536	0.601	0.639	0.697	0.780
On Road - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A3bi - Cars</b>	<b>65.678</b>	<b>65.189</b>	<b>67.045</b>	<b>63.132</b>	<b>62.436</b>	<b>61.022</b>	<b>61.103</b>	<b>61.241</b>	<b>58.835</b>	<b>58.175</b>	<b>57.930</b>
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	0.000	0.000
On Road : Light-duty Vehicles : Passenger Cars - Distillate > CO2	0.354	0.314	0.299	0.248	0.260	0.211	0.167	0.159	0.130	0.104	0.091
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	0.001	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	0.007	0.007	0.007	0.009
On Road : Light-duty Vehicles : Passenger Cars - Ethanol > CO2	0.154	0.207	0.249	1.385	2.070	2.153	2.148	2.141	2.267	2.276	3.496
On Road : Light-duty Vehicles : Passenger Cars - Ethanol > N2O	0.008	0.010	0.011	0.058	0.083	0.081	0.077	0.074	0.076	0.073	0.109
On Road : Light-duty Vehicles : Passenger Cars - Gasoline > CH4	0.281	0.250	0.231	0.195	0.175	0.152	0.139	0.127	0.111	0.100	0.087
On Road : Light-duty Vehicles : Passenger Cars - Gasoline > CO2	62.712	62.419	64.366	59.604	58.333	57.030	57.242	57.468	55.078	54.506	53.101
On Road : Light-duty Vehicles : Passenger Cars - Gasoline > N2O	2.164	1.984	1.885	1.632	1.504	1.382	1.319	1.264	1.165	1.109	1.035
<b>1A3bii - Light-duty Trucks</b>	<b>60.810</b>	<b>63.633</b>	<b>68.070</b>	<b>69.224</b>	<b>71.436</b>	<b>72.705</b>	<b>72.457</b>	<b>72.461</b>	<b>69.293</b>	<b>68.209</b>	<b>67.673</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	0.000	0.000
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Distillate > CO2	0.826	0.927	1.089	0.985	1.028	0.896	0.746	0.749	0.644	0.547	0.508
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	0.006	0.005
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > CH4	0.001	0.001	0.001	0.007	0.009	0.009	0.008	0.008	0.008	0.007	0.010
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > CO2	0.141	0.199	0.250	1.501	2.344	2.544	2.529	2.514	2.653	2.653	4.061
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > N2O	0.009	0.011	0.012	0.067	0.095	0.095	0.090	0.086	0.087	0.084	0.123
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	0.133	0.119	0.109	0.099
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > CO2	57.310	60.139	64.478	64.609	66.052	67.374	67.396	67.504	64.441	63.542	61.696
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > N2O	2.287	2.137	2.030	1.862	1.730	1.624	1.537	1.461	1.335	1.261	1.170
<b>1A3biii - Heavy-duty Trucks and Buses</b>	<b>32.660</b>	<b>33.054</b>	<b>33.157</b>	<b>33.532</b>	<b>35.189</b>	<b>36.523</b>	<b>36.928</b>	<b>37.737</b>	<b>35.020</b>	<b>32.559</b>	<b>32.704</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	0.014	0.013

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Distillate > CO2	25.692	26.026	26.171	25.997	27.723	29.142	29.646	30.557	28.085	25.683	25.842
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Distillate > N2O	0.259	0.262	0.264	0.262	0.279	0.294	0.299	0.308	0.283	0.259	0.260
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	0.001	0.002
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > CO2	0.015	0.021	0.024	0.155	0.232	0.244	0.240	0.235	0.251	0.254	0.391
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > N2O	0.002	0.002	0.002	0.013	0.019	0.019	0.018	0.016	0.017	0.016	0.024
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > CH4	0.040	0.037	0.035	0.033	0.030	0.027	0.024	0.021	0.018	0.016	0.014
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > CO2	6.212	6.291	6.251	6.678	6.542	6.453	6.385	6.306	6.094	6.074	5.933
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > N2O	0.423	0.396	0.392	0.375	0.345	0.326	0.299	0.276	0.256	0.243	0.225
<b>1A3biv - Motorcycles</b>	<b>0.242</b>	<b>0.319</b>	<b>0.362</b>	<b>0.534</b>	<b>0.580</b>	<b>0.594</b>	<b>0.609</b>	<b>0.623</b>	<b>0.607</b>	<b>0.608</b>	<b>0.611</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	0.001	0.001
On Road : Light-duty Vehicles : Motorcycles - Ethanol > CO2	0.001	0.001	0.001	0.011	0.018	0.019	0.020	0.020	0.022	0.022	0.034
On Road : Light-duty Vehicles : Motorcycles - Ethanol > N2O	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.004
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	0.013	0.013
On Road : Light-duty Vehicles : Motorcycles - Gasoline > CO2	0.217	0.286	0.325	0.469	0.504	0.515	0.528	0.541	0.526	0.528	0.519
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	0.041	0.040
<b>1A3c - Railways</b>	<b>1.88</b>	<b>1.89</b>	<b>2.50</b>	<b>2.70</b>	<b>2.91</b>	<b>3.34</b>	<b>3.53</b>	<b>3.17</b>	<b>2.58</b>	<b>1.95</b>	<b>2.35</b>
Rail - Distillate > CH4	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.002	0.002	0.002
Rail - Distillate > CO2	1.870	1.880	2.489	2.695	2.900	3.329	3.516	3.156	2.572	1.944	2.338
Rail - Distillate > N2O	0.005	0.005	0.006	0.007	0.007	0.008	0.009	0.008	0.006	0.005	0.006
<b>1A3d - Water-borne Navigation</b>	<b>3.21</b>	<b>2.99</b>	<b>3.28</b>	<b>3.42</b>	<b>3.42</b>	<b>3.69</b>	<b>3.74</b>	<b>3.71</b>	<b>3.62</b>	<b>3.42</b>	<b>3.39</b>
<b>1A3di - International Water-borne Navigation (International Bunkers)</b>	<b>0.842</b>	<b>0.885</b>	<b>0.930</b>	<b>0.977</b>	<b>1.026</b>	<b>1.077</b>	<b>1.130</b>	<b>1.093</b>	<b>1.074</b>	<b>0.939</b>	<b>0.985</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	0.000	0.000
Water-borne : International : Port activities - Distillate > CO2	0.051	0.053	0.056	0.059	0.062	0.065	0.068	0.066	0.066	0.060	0.064
Water-borne : International : Port activities - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : International : Port activities - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : International : Port activities - Residual fuel oil > CO2	0.360	0.379	0.399	0.419	0.441	0.464	0.487	0.468	0.462	0.404	0.421
Water-borne : International : Port activities - Residual fuel oil > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
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	0.000	0.000
Water-borne : International : Transit (CA waters) - Distillate > CO2	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010
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	0.000	0.000
Water-borne : International : Transit (CA waters) - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : International : Transit (CA waters) - Residual fuel oil > CO2	0.421	0.442	0.464	0.487	0.510	0.535	0.561	0.546	0.532	0.462	0.487
Water-borne : International : Transit (CA waters) - Residual fuel oil > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
<b>1A3dii - Domestic Water-borne Navigation</b>	<b>2.372</b>	<b>2.100</b>	<b>2.345</b>	<b>2.448</b>	<b>2.393</b>	<b>2.610</b>	<b>2.610</b>	<b>2.622</b>	<b>2.545</b>	<b>2.485</b>	<b>2.403</b>
Water-borne - Ethanol > CH4	0.000	0.000	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	0.019	0.025	0.023	0.024	0.024	0.026	0.037
Water-borne - Ethanol > N2O	0.000	0.000	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	0.001	0.000
Water-borne - Gasoline > CO2	0.704	0.392	0.593	0.641	0.539	0.655	0.609	0.646	0.587	0.618	0.556
Water-borne - Gasoline > N2O	0.002	0.001	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.001
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	0.000	0.000
Water-borne : Interstate : Port activities - Distillate > CO2	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	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	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	0.000	0.000
Water-borne : Interstate : Port activities - Residual fuel oil > CO2	0.049	0.051	0.054	0.057	0.059	0.062	0.065	0.061	0.059	0.051	0.052

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
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	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	0.000	0.000
Water-borne : Interstate : Transit (CA waters) - Distillate > CO2	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
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	0.000	0.000
Water-borne : Interstate : Transit (CA waters) - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Interstate : Transit (CA waters) - Residual fuel oil > CO2	0.082	0.087	0.091	0.095	0.100	0.105	0.110	0.106	0.103	0.089	0.093
Water-borne : Interstate : Transit (CA waters) - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Intrastate : Harbor craft - Distillate > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Water-borne : Intrastate : Harbor craft - Distillate > CO2	1.122	1.135	1.147	1.157	1.167	1.229	1.243	1.248	1.249	1.251	1.197
Water-borne : Intrastate : Harbor craft - Distillate > N2O	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
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	0.000	0.000
Water-borne : Intrastate : Port activities - Distillate > CO2	0.018	0.019	0.020	0.021	0.022	0.023	0.024	0.023	0.022	0.020	0.021
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	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	0.000	0.000
Water-borne : Intrastate : Port activities - Residual fuel oil > CO2	0.174	0.183	0.193	0.202	0.212	0.223	0.234	0.221	0.214	0.184	0.189
Water-borne : Intrastate : Port activities - Residual fuel oil > N2O	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
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	0.000	0.000
Water-borne : Intrastate : Transit (CA waters) - Distillate > CO2	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
Water-borne : Intrastate : Transit (CA waters) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Intrastate : Transit (CA waters) - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Intrastate : Transit (CA waters) - Residual fuel oil > CO2	0.202	0.214	0.226	0.239	0.252	0.266	0.281	0.271	0.263	0.226	0.237
Water-borne : Intrastate : Transit (CA waters) - Residual fuel oil > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
<b>1A4 - Other Sectors</b>	<b>45.00</b>	<b>43.91</b>	<b>46.44</b>	<b>45.59</b>	<b>46.73</b>	<b>45.41</b>	<b>46.76</b>	<b>45.38</b>	<b>45.94</b>	<b>44.34</b>	<b>45.67</b>
<b>1A4a - Commercial/Institutional</b>	<b>11.53</b>	<b>11.36</b>	<b>13.17</b>	<b>12.80</b>	<b>12.76</b>	<b>12.60</b>	<b>12.88</b>	<b>12.87</b>	<b>12.99</b>	<b>13.04</b>	<b>13.47</b>
Communication : Other Message Communications - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Other Message Communications - Natural gas > CO2	0.139	0.129	0.153	0.145	0.153	0.141	0.156	0.150	0.134	0.130	0.114
Communication : Other Message Communications - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Radio Broadcasting Stations - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Radio Broadcasting Stations - Natural gas > CO2	0.008	0.004	0.004	0.008	0.006	0.005	0.006	0.007	0.006	0.006	0.006
Communication : Radio Broadcasting Stations - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Telephone & Cell Phone Services - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Telephone & Cell Phone Services - Natural gas > CO2	0.029	0.025	0.026	0.016	0.014	0.015	0.014	0.009	0.009	0.010	0.011
Communication : Telephone & Cell Phone Services - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : U.S. Postal Service - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : U.S. Postal Service - Natural gas > CO2	0.017	0.017	0.019	0.017	0.014	0.007	0.012	0.015	0.016	0.016	0.014
Communication : U.S. Postal Service - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Sewerage Systems - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Sewerage Systems - Natural gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Sewerage Systems - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Water Supply - Natural gas > CH4	0.000	0.000	0.000	0.001	0.001	0.000	0.001	0.001	0.001	0.001	0.001
Domestic Utilities : Water Supply - Natural gas > CO2	0.248	0.176	0.165	0.369	0.325	0.229	0.292	0.298	0.283	0.281	0.267
Domestic Utilities : Water Supply - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Education : College - Natural gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Education : College - Natural gas > CO2	0.659	0.537	0.635	0.572	0.579	0.603	0.575	0.559	0.491	0.533	0.549
Education : College - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Education : School - Natural gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Education : School - Natural gas > CO2	0.563	0.535	0.603	0.521	0.510	0.471	0.543	0.535	0.519	0.495	0.499
Education : School - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.001	0.001
Food Services : Food & Liquor - Natural gas > CO2	0.026	0.178	0.198	0.716	0.604	0.582	0.527	0.500	0.466	0.446	0.434
Food Services : Food & Liquor - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Food Services : Restaurant - Natural gas > CH4	0.004	0.004	0.005	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004
Food Services : Restaurant - Natural gas > CO2	1.871	1.792	2.280	1.590	1.670	1.712	1.935	1.922	1.844	1.778	1.796
Food Services : Restaurant - Natural gas > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Health Care - Natural gas > CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Health Care - Natural gas > CO2	1.385	1.418	1.652	1.474	1.433	1.429	1.515	1.487	1.445	1.445	1.505
Health Care - Natural gas > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Hotels - Natural gas > CH4	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Hotels - Natural gas > CO2	0.633	0.665	0.777	0.691	0.675	0.682	0.745	0.749	0.729	0.704	0.726
Hotels - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
National Security - Natural gas > CH4	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
National Security - Natural gas > CO2	0.202	0.308	0.207	0.192	0.198	0.184	0.207	0.196	0.174	0.176	0.169
National Security - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Coal > CH4	0.000	0.000	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	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	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	0.004	0.004
Not Specified Commercial - Distillate > CO2	0.855	0.806	0.795	0.723	0.652	0.882	0.674	0.752	1.050	1.360	1.583
Not Specified Commercial - Distillate > N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.004
Not Specified Commercial - Ethanol > CH4	0.000	0.000	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	0.004	0.006
Not Specified Commercial - Ethanol > N2O	0.000	0.000	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	0.000	0.000
Not Specified Commercial - Gasoline > CO2	0.088	0.090	0.091	0.088	0.087	0.086	0.089	0.091	0.091	0.092	0.090
Not Specified Commercial - Gasoline > N2O	0.000	0.000	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	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	0.008	0.013
Not Specified Commercial - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - LPG > CH4	0.002	0.001	0.002	0.003	0.004	0.003	0.002	0.002	0.003	0.003	0.003
Not Specified Commercial - LPG > CO2	0.392	0.269	0.313	0.530	0.749	0.588	0.436	0.490	0.633	0.505	0.548
Not Specified Commercial - LPG > N2O	0.001	0.001	0.001	0.002	0.002	0.002	0.001	0.001	0.002	0.001	0.002
Not Specified Commercial - Natural gas > CH4	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Not Specified Commercial - Natural gas > CO2	2.500	2.748	3.228	3.222	3.143	3.056	3.103	2.999	2.841	2.787	2.828
Not Specified Commercial - Natural gas > N2O	0.001	0.002	0.002	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	0.000	0.000
Not Specified Commercial -Residual fuel oil > CO2	0.000	0.014	0.000	0.000	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	0.000	0.000
Not Specified Commercial - Wood (wet) > CH4	0.042	0.042	0.043	0.045	0.044	0.028	0.026	0.027	0.029	0.029	0.029
Not Specified Commercial - Wood (wet) > N2O	0.008	0.008	0.008	0.009	0.008	0.005	0.005	0.005	0.006	0.006	0.006
Offices - Natural gas > CH4	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Offices - Natural gas > CO2	0.766	0.550	0.658	0.671	0.697	0.684	0.724	0.627	0.694	0.674	0.682

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Offices - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000	0.000
Retail & Wholesale : Refrigerated Warehousing - Natural gas > CO2	0.085	0.108	0.137	0.094	0.096	0.095	0.088	0.087	0.079	0.074	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	0.000	0.000
Retail & Wholesale : Retail - Natural gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Retail & Wholesale : Retail - Natural gas > CO2	0.495	0.545	0.729	0.672	0.676	0.662	0.742	0.729	0.665	0.712	0.730
Retail & Wholesale : Retail - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Retail & Wholesale : Warehousing - Natural gas > CH4	0.000	0.000	0.001	0.001	0.000	0.001	0.001	0.000	0.000	0.000	0.000
Retail & Wholesale : Warehousing - Natural gas > CO2	0.236	0.212	0.262	0.263	0.241	0.259	0.276	0.240	0.225	0.213	0.219
Retail & Wholesale : Warehousing - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Airports - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Airports - Natural gas > CO2	0.085	0.034	0.050	0.049	0.044	0.042	0.073	0.069	0.051	0.050	0.047
Transportation Services : Airports - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Transportation - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001
Transportation Services : Transportation - Natural gas > CO2	0.087	0.088	0.079	0.062	0.050	0.044	0.048	0.271	0.455	0.459	0.480
Transportation Services : Transportation - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Water Transportation - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.005	0.006
Transportation Services : Water Transportation - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1A4b - Residential</b>	<b>29.65</b>	<b>28.72</b>	<b>28.88</b>	<b>28.41</b>	<b>29.45</b>	<b>28.18</b>	<b>28.55</b>	<b>28.70</b>	<b>29.03</b>	<b>28.65</b>	<b>29.38</b>
Household Use - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - Coal > CO2	0.006	0.000	0.000	0.000	0.002	0.004	0.000	0.000	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	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	0.000	0.000
Household Use - Distillate > CO2	0.066	0.083	0.053	0.055	0.056	0.070	0.070	0.039	0.058	0.139	0.061
Household Use - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - Kerosene > CO2	0.115	0.143	0.089	0.080	0.113	0.124	0.117	0.062	0.038	0.071	0.059
Household Use - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - LPG > CH4	0.006	0.004	0.005	0.006	0.008	0.009	0.008	0.008	0.010	0.010	0.010
Household Use - LPG > CO2	1.133	0.778	0.905	1.298	1.576	1.792	1.565	1.659	2.037	1.913	2.013
Household Use - LPG > N2O	0.003	0.002	0.003	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006
Household Use - Natural gas > CH4	0.055	0.054	0.054	0.053	0.054	0.051	0.053	0.053	0.053	0.052	0.053
Household Use - Natural gas > CO2	27.947	27.351	27.464	26.596	27.304	25.900	26.526	26.649	26.594	26.233	26.957
Household Use - Natural gas > N2O	0.016	0.016	0.016	0.016	0.016	0.015	0.016	0.016	0.016	0.015	0.016
Household Use - Wood (wet) > CH4	0.255	0.239	0.242	0.255	0.262	0.174	0.158	0.175	0.183	0.175	0.175
Household Use - Wood (wet) > N2O	0.049	0.046	0.047	0.049	0.051	0.034	0.031	0.034	0.035	0.034	0.034
<b>1A4c - Agriculture/Forestry/Fishing/Fish Farms</b>	<b>3.82</b>	<b>3.83</b>	<b>4.39</b>	<b>4.38</b>	<b>4.53</b>	<b>4.63</b>	<b>5.33</b>	<b>3.80</b>	<b>3.92</b>	<b>2.65</b>	<b>2.82</b>
Ag Energy Use - Distillate > CH4	0.007	0.008	0.009	0.009	0.009	0.010	0.011	0.008	0.008	0.005	0.006
Ag Energy Use - Distillate > CO2	2.508	2.680	3.028	3.093	3.157	3.387	3.851	2.668	2.981	1.775	1.975
Ag Energy Use - Distillate > N2O	0.006	0.007	0.008	0.008	0.008	0.009	0.010	0.007	0.007	0.004	0.005
Ag Energy Use - Ethanol > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - Ethanol > CO2	0.001	0.001	0.002	0.009	0.018	0.019	0.021	0.012	0.007	0.007	0.011
Ag Energy Use - Ethanol > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - Gasoline > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.000	0.000	0.000
Ag Energy Use - Gasoline > CO2	0.306	0.376	0.402	0.401	0.502	0.500	0.548	0.314	0.162	0.164	0.166



## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Ag Energy Use - Gasoline > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	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	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	0.003	0.003
Ag Energy Use - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - Natural gas > CO2	0.005	0.036	0.041	0.032	0.031	0.032	0.002	0.002	0.003	0.003	0.002
Ag Energy Use - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use : Crop Production - Natural gas > CH4	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001
Ag Energy Use : Crop Production - Natural gas > CO2	0.892	0.633	0.804	0.737	0.718	0.595	0.808	0.704	0.667	0.615	0.577
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	0.000	0.000
Ag Energy Use : Livestock - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use : Livestock - Natural gas > CO2	0.084	0.079	0.090	0.078	0.074	0.067	0.069	0.082	0.079	0.075	0.069
Ag Energy Use : Livestock - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>1B - Fugitive Emissions from Fuels</b>	<b>5.19</b>	<b>5.02</b>	<b>5.25</b>	<b>4.86</b>	<b>4.53</b>	<b>4.92</b>	<b>5.57</b>	<b>5.53</b>	<b>5.56</b>	<b>4.77</b>	<b>5.12</b>
<b>1B1 - Solid Fuels</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>
In State Generation : CHP: Industrial > Fugitive emissions > CH4	0.022	0.022	0.023	0.022	0.023	0.021	0.022	0.023	0.022	0.019	0.017
<b>1B2 - Oil and Natural Gas</b>	<b>3.03</b>	<b>2.89</b>	<b>2.97</b>	<b>2.60</b>	<b>2.25</b>	<b>2.64</b>	<b>3.32</b>	<b>3.27</b>	<b>3.33</b>	<b>3.34</b>	<b>3.94</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	0.010	0.009	0.008
Manufacturing : Construction : Fugitives > Fugitive emissions > CH4	0.003	0.003	0.006	0.006	0.006	0.005	0.006	0.004	0.004	0.004	0.004
Manufacturing : Electric & Electronic Equip. : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Food Products : Fugitives > Fugitive emissions > CH4	0.011	0.011	0.007	0.007	0.007	0.003	0.003	0.003	0.002	0.002	0.002
Manufacturing : Fugitives > Fugitive emissions > CH4	0.043	0.060	0.030	0.035	0.031	0.035	0.031	0.031	0.033	0.033	0.035
Manufacturing : Plastics & Rubber : Fugitives > Fugitive emissions > CH4	0.005	0.006	0.007	0.007	0.009	0.010	0.011	0.012	0.013	0.013	0.010
Manufacturing : Primary Metals : Fugitives > Fugitive emissions > CH4	0.002	0.003	0.001	0.001	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	0.003	0.003
Manufacturing : Stone, Clay, Glass & Cement : Fugitives > Fugitive emissions > CH4	0.009	0.006	0.005	0.005	0.007	0.006	0.006	0.005	0.007	0.007	0.007
Manufacturing : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Industrial : Fugitives > Fugitive emissions > CH4	0.009	0.009	0.009	0.009	0.021	0.019	0.078	0.012	0.076	0.081	0.088
Oil & Gas Extraction : Petroleum Gas Seeps : Fugitives > Fugitive emissions > CH4	0.347	0.454	0.464	0.464	0.082	0.082	0.493	0.521	0.521	0.521	0.521
Oil & Gas Extraction : Process Losses : Fugitives > Fugitive emissions > CH4	0.244	0.219	0.183	0.197	0.181	0.182	0.180	0.177	0.174	0.173	0.166
Oil & Gas Extraction : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.096	0.159	0.085	0.077	0.104	0.085	0.099	0.101	0.093	0.096	0.091
Petroleum Marketing : Process Losses : Fugitives > Fugitive emissions > CH4	0.002	0.003	0.000	0.000	0.000	0.003	0.003	0.001	0.000	0.001	0.001
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	0.002	0.002
<b>1B2a - Oil</b>	<b>0.47</b>	<b>0.45</b>	<b>0.46</b>	<b>0.45</b>	<b>0.43</b>	<b>0.46</b>	<b>0.47</b>	<b>0.46</b>	<b>0.45</b>	<b>0.44</b>	<b>0.48</b>
<b>1B2ai - Venting</b>	<b>0.063</b>	<b>0.065</b>	<b>0.065</b>	<b>0.066</b>	<b>0.065</b>	<b>0.067</b>	<b>0.068</b>	<b>0.068</b>	<b>0.067</b>	<b>0.062</b>	<b>0.049</b>
Petroleum Refining > Process emissions > CH4	0.022	0.022	0.022	0.023	0.022	0.023	0.023	0.023	0.023	0.021	0.021
Petroleum Refining > Process emissions > CO2	0.042	0.043	0.043	0.044	0.043	0.044	0.045	0.045	0.044	0.041	0.028
<b>1B2aii - Flaring</b>	<b>0.056</b>	<b>0.058</b>	<b>0.058</b>	<b>0.059</b>	<b>0.058</b>	<b>0.060</b>	<b>0.061</b>	<b>0.060</b>	<b>0.060</b>	<b>0.055</b>	<b>0.055</b>
Petroleum Refining > Flaring > CH4	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001
Petroleum Refining > Flaring > CO2	0.050	0.051	0.051	0.052	0.051	0.052	0.054	0.053	0.052	0.049	0.054
Petroleum Refining > Flaring > N2O	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.005	0.005	0.001
<b>1B2aiii - All Other</b>	<b>0.348</b>	<b>0.326</b>	<b>0.332</b>	<b>0.327</b>	<b>0.313</b>	<b>0.330</b>	<b>0.337</b>	<b>0.334</b>	<b>0.327</b>	<b>0.318</b>	<b>0.375</b>
Petroleum Refining : Process Losses : Fugitives > Fugitive emissions > CH4	0.038	0.017	0.016	0.013	0.010	0.017	0.017	0.017	0.014	0.007	0.007
Petroleum Refining : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.015	0.008	0.013	0.005	0.002	0.003	0.003	0.002	0.002	0.023	0.004

## California Greenhouse Gas Inventory for 2000-2010 — 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	2009	2010
1B2b - Natural Gas	Petroleum Refining > Acid gas control > CO2	0.294	0.301	0.303	0.309	0.301	0.310	0.318	0.315	0.311	0.288	0.365
		1.76	1.48	1.70	1.32	1.35	1.74	1.93	1.92	1.94	1.96	2.53
	Pipelines : Natural Gas : Fugitives > Fugitive emissions > CH4	1.758	1.476	1.699	1.323	1.349	1.737	1.929	1.924	1.939	1.956	2.525
<b>1B3 - Geothermal Energy Production</b>		<b>2.02</b>	<b>2.00</b>	<b>2.14</b>	<b>2.12</b>	<b>2.15</b>	<b>2.14</b>	<b>2.11</b>	<b>2.13</b>	<b>2.10</b>	<b>1.31</b>	<b>1.10</b>
Imported Electricity : Specified Imports : Nevada : Calithness Dixie Valley (NV) > Electricity generation - Primarily Geothermal > CO2		0.076	0.073	0.075	0.070	0.080	0.081	0.079	0.076	0.061	0.070	0.064
Imported Electricity : Specified Imports : Utah : Blundell (UT) > Electricity generation - Primarily Geothermal > CO2		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.001
Imported Electricity : Specified Imports : Utah : Thermo No. 1 Raser (UT) > Electricity generation - Primarily Geothermal > CO2		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned > Geothermal power - Geothermal > CH4											0.000	0.000
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	1.227	1.024
In State Generation : Merchant Owned > Geothermal power - Geothermal > N2O											0.000	0.000
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	0.013	0.013
<b>1B4 - Pollution control devices</b>		<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.11</b>	<b>0.10</b>	<b>0.10</b>	<b>0.06</b>
In State Generation : CHP: Industrial > Acid gas control > CO2		0.084	0.082	0.083	0.081	0.081	0.083	0.084	0.082	0.077	0.073	0.023
In State Generation : Merchant Owned > Acid gas control > CO2		0.028	0.028	0.028	0.027	0.028	0.028	0.029	0.028	0.026	0.025	0.033
<b>2 - Industrial Processes and Product Use</b>		<b>25.84</b>	<b>26.20</b>	<b>26.94</b>	<b>27.45</b>	<b>28.26</b>	<b>28.96</b>	<b>29.82</b>	<b>29.81</b>	<b>29.55</b>	<b>26.45</b>	<b>27.62</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>5.33</b>	<b>3.63</b>	<b>3.49</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>5.28</b>	<b>3.60</b>	<b>3.46</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	5.285	3.601	3.458
<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>	<b>0.03</b>	<b>0.03</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	0.029	0.032
<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>0.08</b>	<b>0.07</b>	<b>0.08</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>0.08</b>	<b>0.07</b>	<b>0.08</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	0.075	0.065	0.076
<b>2D - Non-Energy Products from Fuels and Solvent Use</b>		<b>2.46</b>	<b>2.23</b>	<b>2.13</b>	<b>2.03</b>	<b>1.98</b>	<b>1.97</b>	<b>1.94</b>	<b>2.00</b>	<b>1.88</b>	<b>1.69</b>	<b>1.87</b>
<b>2D1 - Lubricant Use</b>		<b>2.09</b>	<b>1.92</b>	<b>1.89</b>	<b>1.75</b>	<b>1.77</b>	<b>1.77</b>	<b>1.72</b>	<b>1.78</b>	<b>1.65</b>	<b>1.48</b>	<b>1.65</b>
Not Specified Industrial > Fuel consumption - Lubricants > CO2		0.897	0.822	0.812	0.751	0.761	0.757	0.737	0.761	0.707	0.635	0.706
Not Specified Transportation > Fuel consumption - Lubricants > CO2		1.196	1.096	1.083	1.001	1.014	1.009	0.983	1.015	0.942	0.847	0.941
<b>2D3 - Solvent Use</b>		<b>0.36</b>	<b>0.32</b>	<b>0.23</b>	<b>0.27</b>	<b>0.21</b>	<b>0.20</b>	<b>0.22</b>	<b>0.22</b>	<b>0.23</b>	<b>0.21</b>	<b>0.22</b>
Solvents & Chemicals : Evaporative losses : Fugitives > Fugitive emissions > CO2		0.364	0.316	0.233	0.275	0.210	0.204	0.224	0.225	0.227	0.211	0.219
<b>2E - Electronics Industry</b>		<b>0.97</b>	<b>0.80</b>	<b>0.71</b>	<b>0.68</b>	<b>0.68</b>	<b>0.78</b>	<b>0.87</b>	<b>0.86</b>	<b>0.92</b>	<b>0.95</b>	<b>0.96</b>
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C2F6		0.538	0.403	0.356	0.334	0.331	0.319	0.354	0.372	0.390	0.405	0.395
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C3F8		0.014	0.019	0.011	0.016	0.007	0.006	0.006	0.007	0.015	0.006	0.006
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	0.010	0.006	0.006
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > CF4		0.228	0.251	0.180	0.168	0.178	0.175	0.189	0.209	0.228	0.239	0.259
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > HFC-23		0.068	0.034	0.028	0.030	0.032	0.034	0.041	0.044	0.048	0.053	0.055
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > NF3		0.067	0.040	0.088	0.083	0.083	0.072	0.110	0.084	0.092	0.081	0.087
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > SF6		0.051	0.050	0.038	0.038	0.038	0.153	0.153	0.132	0.140	0.155	0.155

## California Greenhouse Gas Inventory for 2000-2010 — 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	2009	2010
<b>2F - Product Uses as Substitutes for Ozone Depleting Substances</b>	<b>8.58</b>	<b>9.32</b>	<b>10.09</b>	<b>10.84</b>	<b>11.59</b>	<b>12.08</b>	<b>12.40</b>	<b>12.48</b>	<b>12.57</b>	<b>12.90</b>	<b>13.84</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	0.002	0.002
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-125	0.632	0.729	0.831	0.956	1.101	1.041	1.219	1.460	1.737	2.090	2.675
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-134a	6.894	7.383	7.790	8.130	8.457	9.124	9.092	8.758	8.394	8.066	8.064
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-143a	0.499	0.651	0.822	1.017	1.231	1.060	1.159	1.253	1.341	1.527	1.770
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	0.003	0.003	0.003
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-236fa	0.065	0.072	0.079	0.085	0.091	0.096	0.100	0.104	0.108	0.110	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	0.040	0.077	0.117	0.160	0.205	0.301
Not Specified Not Specified > Use of substitutes for ozone depleting substances > Other ODS substitutes	0.487	0.480	0.549	0.632	0.679	0.721	0.753	0.787	0.824	0.900	0.916
<b>2G - Other Product Manufacture and Use</b>	<b>1.79</b>	<b>1.68</b>	<b>1.69</b>	<b>1.62</b>	<b>1.65</b>	<b>1.64</b>	<b>1.67</b>	<b>1.64</b>	<b>1.64</b>	<b>1.53</b>	<b>1.55</b>
<b>2G1 - Electrical Equipment</b>	<b>1.17</b>	<b>1.15</b>	<b>1.07</b>	<b>1.05</b>	<b>1.04</b>	<b>1.03</b>	<b>0.99</b>	<b>0.93</b>	<b>0.95</b>	<b>0.91</b>	<b>0.85</b>
2G1b - Use of Electrical Equipment	1.17	1.15	1.07	1.05	1.04	1.03	0.99	0.93	0.95	0.91	0.85
Imported Electricity : Transmission and Distribution > Electricity transmitted > SF6	0.317	0.348	0.382	0.354	0.363	0.345	0.294	0.311	0.330	0.299	0.275
In State Generation : Transmission and Distribution > Electricity transmitted > SF6	0.855	0.802	0.691	0.691	0.680	0.689	0.694	0.620	0.616	0.612	0.576
<b>2G4 - CO2, Limestone or Soda Ash consumption</b>	<b>0.62</b>	<b>0.53</b>	<b>0.62</b>	<b>0.57</b>	<b>0.61</b>	<b>0.61</b>	<b>0.68</b>	<b>0.71</b>	<b>0.70</b>	<b>0.62</b>	<b>0.69</b>
Not Specified Industrial > CO2 consumption > CO2	0.169	0.097	0.121	0.159	0.147	0.161	0.208	0.227	0.216	0.216	0.266
Not Specified Industrial > Limestone and dolomite consumption > CO2	0.132	0.120	0.184	0.106	0.141	0.125	0.165	0.183	0.186	0.158	0.169
Not Specified Industrial > Soda ash consumption > CO2	0.321	0.317	0.315	0.308	0.319	0.322	0.307	0.304	0.295	0.248	0.260
<b>2H - Other</b>	<b>6.47</b>	<b>6.52</b>	<b>6.60</b>	<b>6.48</b>	<b>6.45</b>	<b>6.51</b>	<b>6.97</b>	<b>7.14</b>	<b>7.14</b>	<b>5.68</b>	<b>5.83</b>
<b>2H3 - Hydrogen Production</b>	<b>6.47</b>	<b>6.52</b>	<b>6.60</b>	<b>6.48</b>	<b>6.45</b>	<b>6.51</b>	<b>6.97</b>	<b>7.14</b>	<b>7.14</b>	<b>5.68</b>	<b>5.83</b>
Petroleum Refining : Transformation > Fuel consumption - Natural gas > CO2	2.972	3.093	3.138	3.082	3.067	3.099	3.322	3.412	3.412	3.288	2.057
Petroleum Refining : Transformation > Fuel consumption - Petroleum feedstocks > CO2	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.000
Petroleum Refining : Transformation > Fuel consumption - Refinery gas > CO2	3.493	3.424	3.461	3.397	3.379	3.405	3.650	3.726	3.726	2.391	3.778
<b>3 - Agriculture, Forestry and Other Land Use</b>	<b>26.12</b>	<b>26.29</b>	<b>28.87</b>	<b>27.30</b>	<b>28.90</b>	<b>29.04</b>	<b>29.45</b>	<b>29.82</b>	<b>30.61</b>	<b>30.34</b>	<b>29.82</b>
<b>3A - Livestock</b>	<b>16.50</b>	<b>17.17</b>	<b>17.70</b>	<b>16.36</b>	<b>17.69</b>	<b>18.33</b>	<b>18.69</b>	<b>19.93</b>	<b>20.23</b>	<b>20.05</b>	<b>19.60</b>
<b>3A1 - Enteric Fermentation</b>	<b>8.32</b>	<b>8.48</b>	<b>8.72</b>	<b>8.40</b>	<b>8.76</b>	<b>9.05</b>	<b>9.14</b>	<b>9.70</b>	<b>9.67</b>	<b>9.51</b>	<b>9.35</b>
3A1a - Cattle	8.02	8.18	8.41	8.06	8.40	8.66	8.74	9.31	9.28	9.11	8.96
3A1ai - Dairy Cows	5.372	5.562	5.803	5.470	5.855	6.039	6.203	6.554	6.660	6.592	6.448
Livestock population - Dairy cows > CH4	4.425	4.584	4.798	4.542	4.921	5.064	5.201	5.509	5.612	5.566	5.466
Livestock population - Dairy replacements 0-12 months > CH4	0.208	0.213	0.221	0.200	0.206	0.217	0.219	0.230	0.229	0.227	0.215
Livestock population - Dairy replacements 12-24 months > CH4	0.739	0.765	0.784	0.728	0.727	0.758	0.783	0.815	0.819	0.799	0.766
3A1aii - Other Cattle	2.650	2.614	2.606	2.590	2.542	2.616	2.535	2.752	2.619	2.518	2.509
Livestock population - Beef cows > CH4	1.507	1.488	1.453	1.437	1.408	1.411	1.341	1.477	1.382	1.308	1.287
Livestock population - Beef replacements 0-12 months > CH4	0.041	0.039	0.038	0.037	0.037	0.039	0.035	0.039	0.035	0.036	0.037
Livestock population - Beef replacements 12-24 months > CH4	0.112	0.108	0.105	0.103	0.100	0.105	0.098	0.109	0.096	0.100	0.105
Livestock population - Bulls > CH4	0.137	0.137	0.128	0.130	0.131	0.142	0.153	0.153	0.153	0.142	0.153
Livestock population - Heifer feedlot > CH4	0.114	0.119	0.129	0.143	0.136	0.143	0.151	0.157	0.157	0.147	0.145
Livestock population - Heifer stockers > CH4	0.118	0.114	0.115	0.111	0.107	0.124	0.116	0.115	0.121	0.120	0.146
Livestock population - Steer feedlot > CH4	0.197	0.201	0.225	0.251	0.236	0.248	0.267	0.282	0.282	0.268	0.260
Livestock population - Steer stockers > CH4	0.423	0.408	0.414	0.379	0.386	0.405	0.374	0.419	0.393	0.397	0.377

## California Greenhouse Gas Inventory for 2000-2010 — 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	2009	2010
3A1c - Sheep		0.14	0.14	0.13	0.12	0.11	0.12	0.11	0.10	0.10	0.11	0.10
	Livestock population - Sheep > CH4	0.136	0.135	0.127	0.123	0.113	0.116	0.109	0.102	0.104	0.111	0.102
3A1d - Goats		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	Livestock population - Goats > CH4	0.009	0.010	0.011	0.011	0.011	0.012	0.013	0.014	0.014	0.014	0.014
3A1f - Horses		0.15	0.16	0.17	0.20	0.23	0.26	0.27	0.27	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	0.273	0.273
3A1h - Swine		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Livestock population - Swine > CH4	0.005	0.003	0.005	0.004	0.004	0.005	0.005	0.005	0.003	0.003	0.003
<b>3A2 - Manure Management</b>		<b>8.18</b>	<b>8.69</b>	<b>8.98</b>	<b>7.96</b>	<b>8.94</b>	<b>9.28</b>	<b>9.55</b>	<b>10.23</b>	<b>10.56</b>	<b>10.53</b>	<b>10.25</b>
3A2a - Cattle		7.84	8.36	8.64	7.63	8.61	8.95	9.23	9.90	10.27	10.23	9.94
3A2ai - Dairy Cows		7.500	8.015	8.260	7.224	8.228	8.548	8.803	9.474	9.848	9.833	9.555
	Anaerobic digester > Livestock population - Dairy cows > CH4	0.001	0.002	0.004	0.012	0.015	0.044	0.031	0.092	0.071	0.033	0.034
	Anaerobic digester > Livestock population - Dairy cows > N2O	0.000	0.002	0.005	0.007	0.008	0.015	0.007	0.020	0.014	0.007	0.007
	Anaerobic lagoon > Livestock population - Dairy cows > CH4	5.396	5.799	6.018	5.209	6.025	6.279	6.404	6.932	7.301	7.323	7.170
	Anaerobic lagoon > Livestock population - Dairy cows > N2O	0.301	0.314	0.330	0.299	0.331	0.338	0.349	0.344	0.345	0.348	0.340
	Daily spread > Livestock population - Dairy cows > CH4	0.007	0.007	0.008	0.006	0.008	0.008	0.008	0.009	0.009	0.009	0.009
	Daily spread > Livestock population - Dairy cows > N2O	0.013	0.014	0.014	0.013	0.014	0.014	0.015	0.015	0.015	0.014	0.014
	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	0.001	0.001
	Daily spread > Livestock population - Dairy heifers > N2O	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
	Deep pit > Livestock population - Dairy cows > CH4	0.010	0.011	0.011	0.009	0.009	0.008	0.007	0.006	0.006	0.006	0.006
	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	0.001	0.001
	Dry lot > Livestock population - Dairy heifers > CH4	0.027	0.028	0.029	0.024	0.026	0.028	0.028	0.031	0.031	0.030	0.029
	Dry lot > Livestock population - Dairy heifers > N2O	0.499	0.517	0.533	0.481	0.487	0.509	0.525	0.521	0.507	0.497	0.476
	Liquid/slurry > Livestock population - Dairy cows > CH4	0.908	0.973	0.949	0.845	0.949	0.944	1.047	1.120	1.168	1.181	1.096
	Liquid/slurry > Livestock population - Dairy cows > N2O	0.192	0.195	0.199	0.179	0.197	0.198	0.215	0.210	0.208	0.212	0.207
	Liquid/slurry > Livestock population - Dairy heifers > CH4	0.006	0.007	0.007	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.006
	Liquid/slurry > Livestock population - Dairy heifers > N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
	Pasture > Livestock population - Dairy cows > CH4	0.002	0.002	0.002	0.002	0.002	0.002	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	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	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	0.000	0.000
	Solid storage > Livestock population - Dairy cows > CH4	0.047	0.049	0.052	0.044	0.052	0.053	0.055	0.060	0.061	0.061	0.060
	Solid storage > Livestock population - Dairy cows > N2O	0.084	0.088	0.093	0.084	0.093	0.095	0.097	0.098	0.096	0.096	0.094
3A2aii - Other Cattle		0.344	0.347	0.376	0.406	0.386	0.405	0.427	0.429	0.419	0.398	0.389
	Dry lot > Livestock population - Feedlot - heifers 500+ lbs > CH4	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.007	0.007
	Dry lot > Livestock population - Feedlot - heifers 500+ lbs > N2O	0.085	0.087	0.095	0.104	0.100	0.104	0.111	0.107	0.105	0.099	0.098
	Dry lot > Livestock population - Feedlot - steers 500+ lbs > CH4	0.011	0.011	0.012	0.014	0.013	0.014	0.015	0.015	0.014	0.014	0.013
	Dry lot > Livestock population - Feedlot - steers 500+ lbs > N2O	0.153	0.154	0.173	0.192	0.180	0.190	0.204	0.201	0.198	0.188	0.182
	Liquid/slurry > Livestock population - Feedlot - heifers 500+ lbs > CH4	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
	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	0.000	0.000
	Liquid/slurry > Livestock population - Feedlot - steers 500+ lbs > CH4	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
	Liquid/slurry > Livestock population - Feedlot - steers 500+ lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Pasture > Livestock population - Not on feed - beef cows > CH4	0.045	0.044	0.043	0.043	0.042	0.042	0.040	0.047	0.044	0.042	0.041
	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	0.000	0.000

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
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	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	0.000	0.000
Pasture > Livestock population - Not on feed - calves <500 lbs > CH4	0.015	0.015	0.016	0.017	0.017	0.018	0.019	0.019	0.019	0.018	0.017
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	0.000	0.000
Pasture > Livestock population - Not on feed - heifers 500+ lbs > CH4	0.008	0.007	0.007	0.007	0.007	0.008	0.007	0.008	0.008	0.008	0.009
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	0.000	0.000
Pasture > Livestock population - Not on feed - steers 500+ lbs > CH4	0.012	0.012	0.012	0.011	0.011	0.012	0.011	0.013	0.012	0.012	0.011
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	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>	<b>0.04</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	0.003	0.003
Dry lot > Livestock population - Sheep > N2O	0.026	0.030	0.028	0.027	0.025	0.026	0.025	0.023	0.024	0.025	0.024
Pasture > Livestock population - Sheep > CH4	0.009	0.009	0.008	0.008	0.007	0.007	0.007	0.006	0.006	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	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>	<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	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	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	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	0.000	0.000
<b>3A2f - Horses</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.07</b>	<b>0.07</b>	<b>0.08</b>	<b>0.08</b>	<b>0.08</b>	<b>0.07</b>	<b>0.07</b>	<b>0.07</b>
Dry lot > Livestock population - Horses > CH4	0.003	0.003	0.003	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004
Dry lot > Livestock population - Horses > N2O	0.016	0.016	0.017	0.020	0.022	0.025	0.025	0.025	0.024	0.024	0.024
Pasture > Livestock population - Horses > CH4	0.038	0.038	0.040	0.045	0.048	0.053	0.052	0.049	0.046	0.046	0.046
Pasture > Livestock population - Horses > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>3A2h - Swine</b>	<b>0.05</b>	<b>0.04</b>	<b>0.06</b>	<b>0.05</b>	<b>0.06</b>	<b>0.05</b>	<b>0.05</b>	<b>0.06</b>	<b>0.03</b>	<b>0.04</b>	<b>0.04</b>
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	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	0.000	0.000
Anaerobic digester > Livestock population - Swine - market < 50 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic digester > Livestock population - Swine - market < 50 lbs > N2O	0.000	0.000	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	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	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	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	0.000	0.000
Anaerobic digester > Livestock population - Swine - market 50-119 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic digester > Livestock population - Swine - market 50-119 lbs > N2O	0.000	0.000	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	0.009	0.010	0.009	0.009	0.009	0.008	0.009	0.005	0.003	0.004
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	0.000	0.000
Anaerobic lagoon > Livestock population - Swine - market < 50 lbs > CH4	0.003	0.003	0.004	0.003	0.003	0.004	0.004	0.004	0.002	0.003	0.003
Anaerobic lagoon > Livestock population - Swine - market < 50 lbs > N2O	0.000	0.000	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	0.009	0.008	0.008	0.006	0.009	0.007	0.006	0.005
Anaerobic lagoon > Livestock population - Swine - market 120-179 lbs > N2O	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Anaerobic lagoon > Livestock population - Swine - market 180+ lbs > CH4	0.004	0.007	0.011	0.011	0.012	0.010	0.010	0.011	0.004	0.013	0.010
Anaerobic lagoon > Livestock population - Swine - market 180+ lbs > N2O	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.001
Anaerobic lagoon > Livestock population - Swine - market 50-119 lbs > CH4	0.007	0.004	0.005	0.004	0.006	0.006	0.007	0.006	0.003	0.003	0.005
Anaerobic lagoon > Livestock population - Swine - market 50-119 lbs > N2O	0.000	0.000	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	0.001	0.001	0.001

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
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	0.000	0.000
Deep pit > Livestock population - Swine - market < 50 lbs > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Deep pit > Livestock population - Swine - market < 50 lbs > N2O	0.000	0.000	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	0.003	0.002	0.002	0.001
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	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	0.001	0.003	0.002
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	0.000	0.000
Deep pit > Livestock population - Swine - market 50-119 lbs > CH4	0.002	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.001	0.001	0.001
Deep pit > Livestock population - Swine - market 50-119 lbs > N2O	0.000	0.000	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	0.000	0.000	0.000
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	0.000	0.000
Liquid/slurry > Livestock population - Swine - market < 50 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid/slurry > Livestock population - Swine - market < 50 lbs > N2O	0.000	0.000	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	0.001	0.001	0.000	0.000	0.000
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	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	0.000	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	0.000	0.000
Liquid/slurry > Livestock population - Swine - market 50-119 lbs > CH4	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid/slurry > Livestock population - Swine - market 50-119 lbs > N2O	0.000	0.000	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	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	0.000	0.000
Pasture > Livestock population - Swine - market < 50 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Swine - market < 50 lbs > N2O	0.000	0.000	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	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	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	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	0.000	0.000
Pasture > Livestock population - Swine - market 50-119 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pasture > Livestock population - Swine - market 50-119 lbs > N2O	0.000	0.000	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	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	0.000	0.000
Solid storage > Livestock population - Swine - market < 50 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid storage > Livestock population - Swine - market < 50 lbs > N2O	0.000	0.000	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	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	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	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	0.000	0.000
Solid storage > Livestock population - Swine - market 50-119 lbs > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid storage > Livestock population - Swine - market 50-119 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>3A2i - Poultry</b>	<b>0.19</b>	<b>0.19</b>	<b>0.18</b>	<b>0.17</b>	<b>0.15</b>	<b>0.15</b>	<b>0.15</b>	<b>0.16</b>	<b>0.16</b>	<b>0.15</b>	<b>0.15</b>
Anaerobic lagoon > Livestock population - Hens 1+ yr > CH4	0.078	0.079	0.075	0.069	0.062	0.064	0.063	0.068	0.066	0.064	0.064
Anaerobic lagoon > Livestock population - Hens 1+ yr > N2O	0.004	0.004	0.004	0.003	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	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	0.000	0.000
Anaerobic lagoon > Livestock population - Pullets > CH4	0.018	0.016	0.016	0.016	0.013	0.013	0.010	0.014	0.013	0.013	0.016
Anaerobic lagoon > Livestock population - Pullets > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

## Gross emissions &amp; sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Pasture > Livestock population - Broilers > CH4	0.000	0.000	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	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	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	0.000	0.000
Poultry with bedding > Livestock population - Broilers > CH4	0.007	0.007	0.007	0.007	0.007	0.006	0.007	0.006	0.006	0.006	0.006
Poultry with bedding > Livestock population - Broilers > N2O	0.010	0.010	0.011	0.010	0.010	0.009	0.010	0.009	0.008	0.008	0.008
Poultry with bedding > Livestock population - Turkeys > CH4	0.010	0.011	0.010	0.010	0.009	0.008	0.008	0.009	0.008	0.008	0.008
Poultry with bedding > Livestock population - Turkeys > N2O	0.018	0.019	0.017	0.017	0.015	0.014	0.015	0.015	0.014	0.013	0.014
Poultry without bedding > Livestock population - Hens 1+ yr > CH4	0.012	0.012	0.011	0.010	0.009	0.009	0.009	0.010	0.010	0.009	0.009
Poultry without bedding > Livestock population - Hens 1+ yr > N2O	0.022	0.022	0.021	0.019	0.018	0.019	0.019	0.020	0.020	0.019	0.019
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	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	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	0.002	0.002
Poultry without bedding > Livestock population - Pullets > N2O	0.005	0.005	0.004	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.005
<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>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>	<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	0.012	0.012
Fire - Rangeland > N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Fire and other disturbances - Forest > CH4	0.152	0.152	0.152	0.152	0.152	0.152	0.151	0.151	0.151	0.151	0.151
Fire and other disturbances - Rangeland > CH4	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
<b>3C - Aggregate Sources and Non-CO2 Emissions Sources on Land</b>	<b>9.43</b>	<b>8.93</b>	<b>10.98</b>	<b>10.75</b>	<b>11.02</b>	<b>10.52</b>	<b>10.57</b>	<b>9.70</b>	<b>10.19</b>	<b>10.11</b>	<b>10.04</b>
<b>3C1 - Emissions from Biomass Burning</b>	<b>0.08</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.07</b>	<b>0.06</b>	<b>0.07</b>	<b>0.07</b>	<b>0.07</b>	<b>0.07</b>
<b>3C1b - Biomass Burning in Croplands</b>	<b>0.08</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.06</b>	<b>0.07</b>	<b>0.06</b>	<b>0.07</b>	<b>0.07</b>	<b>0.07</b>	<b>0.07</b>
Crop acreage burned - Almond > CH4	0.008	0.008	0.009	0.009	0.009	0.009	0.010	0.010	0.011	0.011	0.012
Crop acreage burned - Almond > N2O	0.020	0.021	0.022	0.022	0.023	0.024	0.024	0.025	0.027	0.029	0.029
Crop acreage burned - Barley > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Crop acreage burned - Barley > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Crop acreage burned - Corn > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.001	0.001	0.001
Crop acreage burned - Corn > N2O	0.001	0.001	0.001	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.001
Crop acreage burned - Rice > CH4	0.006	0.003	0.003	0.003	0.003	0.003	0.002	0.004	0.002	0.003	0.002
Crop acreage burned - Rice > N2O	0.025	0.012	0.012	0.012	0.011	0.014	0.009	0.014	0.010	0.010	0.009
Crop acreage burned - Walnut > CH4	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Crop acreage burned - Walnut > N2O	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008
Crop acreage burned - Wheat > CH4	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.002	0.003	0.003	0.003
Crop acreage burned - Wheat > N2O	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.003	0.003	0.002
<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>0.17</b>	<b>0.17</b>	<b>0.17</b>
Dolomite applied to soils > CO2	0.003	0.001	0.002	0.002	0.008	0.007	0.002	0.001	0.001	0.001	0.003
Limestone applied to soils > CO2	0.263	0.161	0.231	0.236	0.227	0.291	0.483	0.255	0.170	0.169	0.168
<b>3C4 - Direct N2O Emissions from Managed Soils</b>	<b>6.63</b>	<b>6.40</b>	<b>7.86</b>	<b>7.69</b>	<b>7.85</b>	<b>7.45</b>	<b>7.35</b>	<b>6.83</b>	<b>7.29</b>	<b>7.18</b>	<b>7.13</b>
Drained histosols > N2O	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155
Nitrogen applied in fertilizer - Organic fertilizers > N2O	0.044	0.013	0.021	0.028	0.011	0.016	0.010	0.004	0.014	0.014	0.014
Nitrogen applied in fertilizer - Synthetic fertilizers > N2O	2.951	2.716	4.089	4.043	4.060	3.644	3.550	3.282	3.767	3.767	3.767

## California Greenhouse Gas Inventory for 2000-2010 — 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	2009	2010
Nitrogen in crop residues > N2O	0.369	0.371	0.401	0.393	0.470	0.374	0.370	0.397	0.443	0.413	0.402
Nitrogen in managed manure > N2O	1.037	1.072	1.116	1.035	1.093	1.125	1.162	1.167	1.144	1.132	1.105
Nitrogen in unmanaged manure - Cattle, swine, poultry > N2O	1.959	1.955	1.954	1.897	1.911	1.974	1.936	1.666	1.603	1.540	1.526
Nitrogen in unmanaged manure - Sheep, goat, horse > N2O	0.119	0.121	0.126	0.138	0.150	0.166	0.166	0.162	0.160	0.161	0.159
<b>3C5 - Indirect N2O Emissions from Managed Soils</b>	<b>1.89</b>	<b>1.81</b>	<b>2.28</b>	<b>2.23</b>	<b>2.26</b>	<b>2.16</b>	<b>2.13</b>	<b>1.99</b>	<b>2.12</b>	<b>2.11</b>	<b>2.09</b>
Nitrogen applied in fertilizer - Organic fertilizers > N2O	0.019	0.006	0.009	0.012	0.005	0.007	0.004	0.002	0.006	0.006	0.006
Nitrogen applied in fertilizer - Synthetic fertilizers > N2O	0.959	0.883	1.329	1.314	1.320	1.184	1.154	1.067	1.224	1.224	1.224
Nitrogen in managed manure > N2O	0.441	0.456	0.474	0.440	0.465	0.478	0.494	0.496	0.486	0.481	0.470
Nitrogen in unmanaged manure - Cattle, swine, poultry > N2O	0.416	0.415	0.415	0.403	0.406	0.419	0.411	0.354	0.341	0.327	0.324
Nitrogen in unmanaged manure - Sheep, goat, horse > N2O	0.051	0.051	0.053	0.059	0.064	0.070	0.071	0.069	0.068	0.069	0.068
<b>3C7 - Rice Cultivations</b>	<b>0.57</b>	<b>0.49</b>	<b>0.55</b>	<b>0.53</b>	<b>0.61</b>	<b>0.55</b>	<b>0.54</b>	<b>0.55</b>	<b>0.54</b>	<b>0.58</b>	<b>0.57</b>
Rice crop area > CH4	0.568	0.488	0.547	0.526	0.612	0.545	0.542	0.553	0.536	0.576	0.573
<b>4 - Waste</b>	<b>8.47</b>	<b>8.54</b>	<b>8.49</b>	<b>8.58</b>	<b>8.56</b>	<b>8.86</b>	<b>8.96</b>	<b>8.92</b>	<b>9.10</b>	<b>9.14</b>	<b>9.17</b>
<b>4A - Solid Waste Disposal</b>	<b>6.13</b>	<b>6.21</b>	<b>6.14</b>	<b>6.23</b>	<b>6.17</b>	<b>6.47</b>	<b>6.54</b>	<b>6.49</b>	<b>6.66</b>	<b>6.70</b>	<b>6.72</b>
<b>4A1 - Managed Waste Disposal Sites</b>	<b>6.13</b>	<b>6.21</b>	<b>6.14</b>	<b>6.23</b>	<b>6.17</b>	<b>6.47</b>	<b>6.54</b>	<b>6.49</b>	<b>6.66</b>	<b>6.70</b>	<b>6.72</b>
Landfills > Landfill emissions - Landfill gas > CH4	6.128	6.207	6.144	6.225	6.168	6.464	6.541	6.487	6.663	6.696	6.717
Landfills > Landfill emissions - Landfill gas > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
<b>4B - Biological Treatment of Solid Waste</b>	<b>0.12</b>	<b>0.13</b>	<b>0.15</b>	<b>0.16</b>	<b>0.17</b>	<b>0.19</b>	<b>0.20</b>	<b>0.22</b>	<b>0.23</b>	<b>0.25</b>	<b>0.26</b>
Solid Waste Treatment : Composting > Feedstock processed > CH4	0.089	0.100	0.111	0.121	0.132	0.143	0.153	0.164	0.175	0.185	0.196
Solid Waste Treatment : Composting > Feedstock processed > N2O	0.029	0.032	0.036	0.039	0.043	0.046	0.050	0.053	0.057	0.060	0.064
<b>4D - Wastewater Treatment and Discharge</b>	<b>2.23</b>	<b>2.20</b>	<b>2.20</b>	<b>2.19</b>	<b>2.22</b>	<b>2.21</b>	<b>2.21</b>	<b>2.21</b>	<b>2.20</b>	<b>2.20</b>	<b>2.19</b>
<b>4D1 - Domestic Wastewater Treatment and Discharge</b>	<b>1.47</b>	<b>1.49</b>	<b>1.47</b>	<b>1.47</b>	<b>1.47</b>	<b>1.47</b>	<b>1.47</b>	<b>1.46</b>	<b>1.46</b>	<b>1.45</b>	<b>1.45</b>
Wastewater Treatment : Domestic Wastewater : Anaerobic Digesters > Biogas production > CH4	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
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	0.000	0.000
Wastewater Treatment : Domestic Wastewater : Centralized Anaerobic > California population > CH4	0.482	0.470	0.457	0.444	0.429	0.413	0.397	0.382	0.366	0.349	0.332
Wastewater Treatment : Domestic Wastewater : Effluent Emissions > California population > N2O	0.654	0.676	0.666	0.675	0.689	0.705	0.710	0.719	0.730	0.737	0.746
Wastewater Treatment : Domestic Wastewater : Plant Emissions > California population > N2O	0.038	0.039	0.039	0.040	0.040	0.041	0.041	0.041	0.042	0.042	0.042
Wastewater Treatment : Domestic Wastewater : Septic Systems > California population > CH4	0.279	0.283	0.287	0.290	0.293	0.295	0.297	0.300	0.302	0.304	0.306
<b>4D2 - Industrial Wastewater Treatment and Discharge</b>	<b>0.75</b>	<b>0.71</b>	<b>0.73</b>	<b>0.72</b>	<b>0.75</b>	<b>0.73</b>	<b>0.75</b>	<b>0.75</b>	<b>0.74</b>	<b>0.75</b>	<b>0.74</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	0.000	0.000
Oil & Gas Extraction : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Marketing : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	0.003	0.003	0.003
Wastewater Treatment : Industrial Wastewater > Production processed - Non-citrus fruit > CH4	0.048	0.042	0.045	0.041	0.040	0.045	0.039	0.043	0.044	0.044	0.041
Wastewater Treatment : Industrial Wastewater > Production processed - Other vegetables > CH4	0.051	0.047	0.057	0.049	0.055	0.051	0.051	0.056	0.050	0.053	0.050
Wastewater Treatment : Industrial Wastewater > Production processed - Potatoes > CH4	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Wastewater Treatment : Industrial Wastewater > Production processed - Poultry > CH4	0.037	0.038	0.039	0.039	0.040	0.041	0.041	0.041	0.042	0.039	0.039
Wastewater Treatment : Industrial Wastewater > Production processed - Pulp and Paper > CH4	0.516	0.488	0.483	0.482	0.500	0.480	0.500	0.494	0.489	0.496	0.496
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	0.047	0.048	0.049



## California Greenhouse Gas Inventory for 2000-2010 — 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>2009</b>	<b>2010</b>
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	0.004	0.005	0.005
Wastewater Treatment : Industrial Wastewater > Wastewater flow - Petroleum Refining > CH4	0.056	0.056	0.058	0.058	0.059	0.060	0.060	0.059	0.060	0.057	0.058
<b>Net CO2 Flux from Forested Lands</b>	<b>-4.48</b>	<b>-4.29</b>	<b>-4.16</b>	<b>-4.17</b>	<b>-4.17</b>	<b>-4.03</b>	<b>-3.88</b>	<b>-3.95</b>	<b>-3.85</b>	<b>-3.81</b>	<b>-3.76</b>
<b>3B - Land</b>	<b>-4.48</b>	<b>-4.29</b>	<b>-4.16</b>	<b>-4.17</b>	<b>-4.17</b>	<b>-4.03</b>	<b>-3.88</b>	<b>-3.95</b>	<b>-3.85</b>	<b>-3.81</b>	<b>-3.76</b>
Forested Lands : Emissions > Biomass decay > CO2	3.239	3.236	3.234	3.231	3.229	3.227	3.224	3.222	3.219	3.217	3.214
Forested Lands : Removals > Biomass growth > CO2	-14.148	-14.137	-14.127	-14.116	-14.105	-14.095	-14.084	-14.074	-14.063	-14.052	-14.042
Wood Products : Emissions > Biomass decay > CO2	6.432	6.609	6.738	6.719	6.707	6.835	6.976	6.904	6.991	7.023	7.066
<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>2009</b>	<b>2010</b>
<b>Gross California Emissions</b>	<b>465.25</b>	<b>483.12</b>	<b>482.87</b>	<b>480.51</b>	<b>492.60</b>	<b>486.68</b>	<b>484.43</b>	<b>490.89</b>	<b>491.92</b>	<b>457.83</b>	<b>451.60</b>
<b>Net CO2 flux from Forests and Rangelands</b>	<b>-4.48</b>	<b>-4.29</b>	<b>-4.16</b>	<b>-4.17</b>	<b>-4.17</b>	<b>-4.03</b>	<b>-3.88</b>	<b>-3.95</b>	<b>-3.85</b>	<b>-3.81</b>	<b>-3.76</b>
<b>Net California Emissions</b>	<b>460.77</b>	<b>478.83</b>	<b>478.71</b>	<b>476.35</b>	<b>488.43</b>	<b>482.65</b>	<b>480.55</b>	<b>486.94</b>	<b>488.06</b>	<b>454.01</b>	<b>447.84</b>

Archiving

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

Excluded Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>1 - Energy</b>	<b>48.80</b>	<b>44.42</b>	<b>48.51</b>	<b>44.53</b>	<b>44.86</b>	<b>48.92</b>	<b>49.71</b>	<b>53.38</b>	<b>50.66</b>	<b>52.01</b>	<b>48.40</b>
<b>1A - Fuel Combustion Activities</b>	<b>48.80</b>	<b>44.42</b>	<b>48.51</b>	<b>44.53</b>	<b>44.86</b>	<b>48.92</b>	<b>49.71</b>	<b>53.38</b>	<b>50.66</b>	<b>52.01</b>	<b>48.40</b>
<b>1A3 - Transport</b>	<b>44.99</b>	<b>40.06</b>	<b>44.38</b>	<b>40.35</b>	<b>40.97</b>	<b>45.51</b>	<b>46.59</b>	<b>50.45</b>	<b>47.89</b>	<b>49.31</b>	<b>45.24</b>
1A3a - Civil Aviation	28.67	27.96	29.98	27.20	29.10	29.94	29.47	31.93	29.03	30.79	29.18
1A3ai - International Aviation (International Bunkers)	13.683	13.046	13.393	11.711	12.691	13.520	13.479	14.573	13.831	14.680	13.868
Aviation : International Civil Aviation - Jet fuel > CH4	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Aviation : International Civil Aviation - Jet fuel > CO2	13.559	12.927	13.271	11.605	12.576	13.397	13.356	14.440	13.706	14.547	13.742
Aviation : International Civil Aviation - Jet fuel > N2O	0.122	0.117	0.120	0.105	0.113	0.121	0.120	0.130	0.124	0.131	0.124
1A3aii - Domestic Aviation	14.986	14.909	16.588	15.489	16.410	16.416	15.988	17.361	15.195	16.109	15.307
Aviation : Domestic Air transport : Interstate - Jet fuel > CH4	0.002	0.002	0.003	0.002	0.003	0.003	0.002	0.003	0.002	0.002	0.002
Aviation : Domestic Air transport : Interstate - Jet fuel > CO2	14.850	14.774	16.437	15.349	16.261	16.267	15.843	17.204	15.057	15.962	15.168
Aviation : Domestic Air transport : Interstate - Jet fuel > N2O	0.134	0.133	0.148	0.138	0.147	0.147	0.143	0.155	0.136	0.144	0.137
1A3d - Water-borne Navigation	16.32	12.11	14.40	13.15	11.87	15.57	17.12	18.52	18.86	18.52	16.06
1A3di - International Water-borne Navigation (International Bunkers)	16.318	12.108	14.402	13.152	11.871	15.570	17.125	18.516	18.864	18.519	16.063
Water-borne : International Marine Bunker Fuel - Distillate > CH4	0.001	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
Water-borne : International Marine Bunker Fuel - Distillate > CO2	0.907	0.438	0.484	0.405	0.326	1.207	1.120	0.928	0.687	1.382	0.650
Water-borne : International Marine Bunker Fuel - Distillate > N2O	0.002	0.001	0.001	0.001	0.001	0.003	0.003	0.002	0.002	0.003	0.002
Water-borne : International Marine Bunker Fuel - Residual fuel oil > CH4	0.013	0.010	0.012	0.011	0.010	0.012	0.013	0.015	0.015	0.014	0.013
Water-borne : International Marine Bunker Fuel -Residual fuel oil > CO2	15.358	11.630	13.871	12.703	11.506	14.312	15.948	17.527	18.114	17.076	15.360
Water-borne : International Marine Bunker Fuel -Residual fuel oil > N2O	0.038	0.029	0.034	0.031	0.028	0.035	0.039	0.043	0.045	0.042	0.038
<b>1A5 - Non-Specified</b>	<b>3.81</b>	<b>4.36</b>	<b>4.13</b>	<b>4.18</b>	<b>3.88</b>	<b>3.41</b>	<b>3.11</b>	<b>2.93</b>	<b>2.77</b>	<b>2.70</b>	<b>3.16</b>
Not Specified Military - Distillate > CH4	0.000	0.000	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	0.289	0.485	0.514	0.543	0.099	0.109	0.119	0.087	0.139	0.574
Not Specified Military - Distillate > N2O	0.000	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.001
1A5b - Mobile	3.74	4.07	3.64	3.66	3.34	3.31	3.00	2.81	2.68	2.56	2.59
1A5bi - Mobile (Aviation Component)	3.737	4.070	3.641	3.662	3.339	3.314	3.005	2.808	2.683	2.563	2.585
Not Specified Military - Jet fuel > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000
Not Specified Military - Jet fuel > CO2	3.703	4.033	3.608	3.629	3.308	3.283	2.977	2.782	2.659	2.540	2.562
Not Specified Military - Jet fuel > N2O	0.033	0.036	0.033	0.033	0.030	0.030	0.027	0.025	0.024	0.023	0.023
<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>2009</b>	<b>2010</b>
<b>International and Interstate Emissions</b>	<b>48.80</b>	<b>44.42</b>	<b>48.51</b>	<b>44.53</b>	<b>44.86</b>	<b>48.92</b>	<b>49.71</b>	<b>53.38</b>	<b>50.66</b>	<b>52.01</b>	<b>48.40</b>

## California Greenhouse Gas Inventory for 2000-2010 — 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	2009	2010
<b>1 - Energy</b>	<b>17.45</b>	<b>17.58</b>	<b>15.73</b>	<b>16.12</b>	<b>16.16</b>	<b>15.42</b>	<b>15.22</b>	<b>15.11</b>	<b>14.97</b>	<b>15.54</b>	<b>14.32</b>
<b>1A - Fuel Combustion Activities</b>	<b>17.45</b>	<b>17.58</b>	<b>15.73</b>	<b>16.12</b>	<b>16.16</b>	<b>15.42</b>	<b>15.22</b>	<b>15.11</b>	<b>14.97</b>	<b>15.54</b>	<b>14.32</b>
<b>1A1 - Energy Industries</b>	<b>9.54</b>	<b>9.40</b>	<b>9.11</b>	<b>9.36</b>	<b>9.30</b>	<b>9.75</b>	<b>10.04</b>	<b>9.62</b>	<b>9.63</b>	<b>10.47</b>	<b>9.22</b>
1A1a - Main Activity Electricity and Heat Production	9.54	9.40	9.11	9.36	9.30	9.75	10.04	9.62	9.63	10.47	9.22
1A1ai - Electricity Generation	6.192	5.868	6.623	6.592	6.415	6.518	6.784	6.404	6.606	7.991	6.937
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	4.833	3.895
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	0.180	0.008
In State Generation : Merchant Owned - Landfill gas > CO2	1.845	1.902	1.593	1.572	1.730	1.635	1.882	1.767	1.832	1.969	2.062
In State Generation : Merchant Owned - MSW > CO2	0.474	0.480	0.493	0.210	0.208	0.172	0.202	0.211	0.198	0.481	0.520
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	0.000	0.000
In State Generation : Utility Owned - Digester gas > CO2	0.000	0.132	0.147	0.231	0.174	0.228	0.230	0.232	0.230	0.249	0.184
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	0.280	0.270
1A1aii - Combined Heat and Power Generation (CHP)	3.347	3.535	2.485	2.769	2.887	3.234	3.256	3.219	3.026	2.476	2.281
CHP: Commercial : Useful Thermal Output - Digester gas > CO2	0.034	0.016	0.016	0.016	0.052	0.076	0.082	0.110	0.093	0.101	0.006
CHP: Commercial : Useful Thermal Output - Landfill gas > CO2	0.009	0.000	0.000	0.000	0.000	0.022	0.041	0.026	0.022	0.012	0.014
CHP: Industrial : Useful Thermal Output - Biomass > CO2	1.280	1.032	0.605	0.613	1.140	1.461	1.496	1.498	1.427	0.400	0.574
CHP: Industrial : Useful Thermal Output - Digester gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.076
CHP: Industrial : Useful Thermal Output - Landfill gas > CO2	0.017	0.000	0.000	0.000	0.000	0.006	0.010	0.000	0.000	0.000	0.002
CHP: Industrial : Useful Thermal Output - MSW > CO2	0.000	0.000	0.000	0.000	0.000	0.024	0.019	0.016	0.054	0.000	0.000
CHP: Industrial : Useful Thermal Output - Tires > CO2	0.002	0.000	0.002	0.003	0.004	0.003	0.003	0.003	0.001	0.009	0.000
In State Generation : CHP: Commercial - Digester gas > CO2	0.239	0.101	0.162	0.308	0.308	0.335	0.313	0.281	0.277	0.084	0.003
In State Generation : CHP: Commercial - Landfill gas > CO2	0.029	0.000	0.000	0.000	0.000	0.036	0.037	0.030	0.030	0.021	0.012
In State Generation : CHP: Industrial - Biomass > CO2	1.641	2.271	1.579	1.520	1.094	0.998	0.953	0.963	0.822	1.695	1.171
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	0.121	0.268
In State Generation : CHP: Industrial - Landfill gas > CO2	0.091	0.106	0.111	0.052	0.056	0.060	0.062	0.057	0.063	0.013	0.155
In State Generation : CHP: Industrial - MSW > CO2	0.000	0.000	0.000	0.250	0.228	0.205	0.236	0.232	0.234	0.000	0.000
In State Generation : CHP: Industrial - Tires > CO2	0.005	0.000	0.005	0.006	0.006	0.006	0.004	0.004	0.003	0.000	0.000
1A1b - Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum Refining - Digester gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
<b>1A2 - Manufacturing Industries and Construction</b>	<b>3.78</b>	<b>4.25</b>	<b>2.64</b>	<b>2.57</b>	<b>2.60</b>	<b>2.86</b>	<b>2.61</b>	<b>2.66</b>	<b>2.38</b>	<b>2.23</b>	<b>2.26</b>
1A2f - Non-Metallic Minerals	0.06	0.06	0.07	0.07	0.07	0.07	0.05	0.05	0.06	0.07	0.10
Manufacturing : Stone, Clay, Glass & Cement : Cement - Biomass waste fuel > CO2	0.041	0.040	0.039	0.038	0.037	0.036	0.013	0.020	0.027	0.040	0.062
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > CO2	0.019	0.022	0.026	0.029	0.033	0.036	0.033	0.035	0.030	0.025	0.036
1A2m - Non-specified Industry.	3.72	4.19	2.57	2.50	2.53	2.78	2.56	2.61	2.32	2.16	2.16
Not Specified Industrial - Wood (wet) > CO2	3.718	4.192	2.574	2.503	2.527	2.783	2.562	2.609	2.323	2.164	2.164
<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>2.82</b>	<b>2.57</b>	<b>2.82</b>	<b>2.95</b>	<b>2.84</b>	<b>2.84</b>
1A4a - Commercial/Institutional	0.58	0.59	0.60	0.63	0.61	0.39	0.36	0.38	0.41	0.40	0.40
Not Specified Commercial - Wood (wet) > CO2	0.580	0.587	0.601	0.626	0.612	0.388	0.359	0.382	0.405	0.402	0.402
1A4b - Residential	3.55	3.33	3.38	3.56	3.65	2.43	2.21	2.44	2.55	2.44	2.44
Household Use - Wood (wet) > CO2	3.553	3.335	3.385	3.563	3.652	2.427	2.210	2.436	2.549	2.436	2.436

## California Greenhouse Gas Inventory for 2000-2010 — by IPCC Category

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

<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>	<b>2009</b>	<b>2010</b>
<b>3 - Agriculture, Forestry and Other Land Use</b>	<b>1.39</b>	<b>1.16</b>	<b>1.16</b>	<b>1.20</b>	<b>1.18</b>	<b>1.26</b>	<b>1.17</b>	<b>1.32</b>	<b>1.32</b>	<b>1.38</b>	<b>1.38</b>
<b>3C - Aggregate Sources and Non-CO2 Emissions Sources on Land</b>	<b>1.39</b>	<b>1.16</b>	<b>1.16</b>	<b>1.20</b>	<b>1.18</b>	<b>1.26</b>	<b>1.17</b>	<b>1.32</b>	<b>1.32</b>	<b>1.38</b>	<b>1.38</b>
<b>3C1 - Emissions from Biomass Burning</b>	<b>1.39</b>	<b>1.16</b>	<b>1.16</b>	<b>1.20</b>	<b>1.18</b>	<b>1.26</b>	<b>1.17</b>	<b>1.32</b>	<b>1.32</b>	<b>1.38</b>	<b>1.38</b>
3C1b - Biomass Burning in Croplands	1.39	1.16	1.16	1.20	1.18	1.26	1.17	1.32	1.32	1.38	1.38
Crop acreage burned - Almond > CO2	0.601	0.624	0.642	0.648	0.671	0.695	0.718	0.754	0.801	0.848	0.871
Crop acreage burned - Barley > CO2	0.008	0.009	0.006	0.005	0.006	0.005	0.005	0.003	0.005	0.005	0.006
Crop acreage burned - Corn > CO2	0.030	0.023	0.022	0.020	0.022	0.019	0.016	0.027	0.025	0.023	0.026
Crop acreage burned - Rice > CO2	0.470	0.224	0.218	0.225	0.206	0.267	0.166	0.271	0.181	0.194	0.176
Crop acreage burned - Walnut > CO2	0.184	0.188	0.194	0.196	0.197	0.198	0.199	0.201	0.206	0.209	0.209
Crop acreage burned - Wheat > CO2	0.095	0.090	0.076	0.102	0.082	0.072	0.061	0.067	0.106	0.097	0.091
<b>4 - Waste</b>	<b>5.42</b>	<b>5.73</b>	<b>5.97</b>	<b>5.96</b>	<b>6.02</b>	<b>6.31</b>	<b>6.53</b>	<b>6.47</b>	<b>6.63</b>	<b>6.73</b>	<b>6.81</b>
<b>4A - Solid Waste Disposal</b>	<b>5.42</b>	<b>5.73</b>	<b>5.97</b>	<b>5.96</b>	<b>6.02</b>	<b>6.31</b>	<b>6.53</b>	<b>6.47</b>	<b>6.63</b>	<b>6.73</b>	<b>6.81</b>
<b>4A1 - Managed Waste Disposal Sites</b>	<b>5.42</b>	<b>5.73</b>	<b>5.97</b>	<b>5.96</b>	<b>6.02</b>	<b>6.31</b>	<b>6.53</b>	<b>6.47</b>	<b>6.63</b>	<b>6.73</b>	<b>6.81</b>
Landfills > Landfill emissions - Landfill gas > CO2	5.418	5.732	5.972	5.955	6.018	6.305	6.527	6.466	6.630	6.733	6.806
<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>2009</b>	<b>2010</b>
Carbon dioxide from Biogenic sources	24.26	24.47	22.86	23.27	23.36	22.98	22.91	22.89	22.92	23.64	22.50

Archive