

Last Updated: Monday, November 19, 2007

**1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004**

**Categories Included in the Inventory.**

*(CO2 equivalence based upon IPCC Second Assessment Report's Global Warming Potentials)*

<b>1 - Energy</b>	<b>386.41</b>	<b>372.06</b>	<b>373.67</b>	<b>369.39</b>	<b>380.27</b>	<b>367.36</b>	<b>364.41</b>	<b>380.88</b>	<b>395.49</b>	<b>401.11</b>	<b>399.66</b>	<b>415.82</b>	<b>407.36</b>	<b>404.88</b>	<b>420.91</b>
<b>1A - Fuel Combustion Activities</b>	<b>381.16</b>	<b>366.90</b>	<b>368.88</b>	<b>364.40</b>	<b>375.53</b>	<b>363.02</b>	<b>359.88</b>	<b>376.36</b>	<b>391.03</b>	<b>396.63</b>	<b>395.29</b>	<b>411.37</b>	<b>402.81</b>	<b>400.32</b>	<b>416.29</b>
<b>1A1 - Energy Industries</b>	<b>157.33</b>	<b>150.29</b>	<b>151.31</b>	<b>151.48</b>	<b>157.36</b>	<b>145.41</b>	<b>140.99</b>	<b>154.50</b>	<b>159.56</b>	<b>157.38</b>	<b>152.50</b>	<b>167.89</b>	<b>152.26</b>	<b>159.84</b>	<b>166.43</b>
1A1a - Main Activity Electricity and Heat Production	115.843	108.838	110.636	112.935	120.610	106.526	99.200	108.158	115.071	116.793	111.599	124.898	111.233	115.679	123.201
1A1ai - Electricity Generation	90.502	83.083	82.393	84.050	91.233	77.389	68.652	77.449	83.181	84.462	79.121	95.667	78.491	86.013	93.111
1A1aii - Combined Heat and Power Generation (CHP)	25.341	25.755	28.243	28.885	29.377	29.137	30.549	30.709	31.890	32.331	32.478	29.231	32.742	29.666	30.090
1A1b - Petroleum Refining	27.633	28.214	27.325	27.710	27.037	26.481	28.619	28.136	28.692	26.825	28.025	28.103	28.838	29.848	29.111
1A1c - Manufacture of Solid Fuels and Other Energy Industries	13.858	13.239	13.344	10.834	9.712	12.398	13.170	18.206	15.798	13.760	12.872	14.886	12.186	14.310	14.121
1A1cii - Other Energy Industries	13.858	13.239	13.344	10.834	9.712	12.398	13.170	18.206	15.798	13.760	12.872	14.886	12.186	14.310	14.121
<b>1A2 - Manufacturing Industries and Construction</b>	<b>24.24</b>	<b>22.13</b>	<b>20.29</b>	<b>19.73</b>	<b>20.93</b>	<b>20.76</b>	<b>20.03</b>	<b>20.41</b>	<b>21.60</b>	<b>22.32</b>	<b>23.56</b>	<b>23.94</b>	<b>20.67</b>	<b>18.65</b>	<b>19.45</b>
1A2c - Chemicals	0.961	0.857	0.659	0.529	0.612	0.602	0.633	0.536	0.724	0.572	0.700	0.602	1.110	0.663	0.677
1A2d - Pulp, Paper and Print	1.915	1.652	1.158	1.282	1.681	1.723	1.993	1.627	1.628	1.506	1.385	1.685	1.129	1.045	1.115
1A2e - Food Processing, Beverages and Tobacco	3.072	3.265	3.230	3.281	3.255	3.157	3.126	3.146	3.530	3.637	3.599	3.304	3.457	3.172	3.397
1A2f - Non-Metallic Minerals	5.124	4.955	4.941	4.873	4.848	4.844	5.046	5.188	5.392	5.368	5.495	5.454	5.361	5.319	5.401
1A2g - Transport Equipment	0.533	0.531	0.528	0.513	0.514	0.474	0.434	0.446	0.487	0.511	0.500	0.457	0.419	0.293	0.259
1A2h - Machinery	1.334	1.243	1.168	1.172	1.143	1.160	1.199	1.233	1.316	1.294	1.246	1.146	1.185	1.029	1.086
1A2i - Mining (excluding fuels) and Quarrying	0.028	0.031	0.041	0.036	0.038	0.308	0.344	0.325	0.318	0.321	0.331	0.309	0.300	0.332	0.103
1A2j - Wood and Wood Products	0.236	0.219	0.232	0.255	0.261	0.397	0.351	0.306	0.312	0.303	0.302	0.336	0.163	0.138	0.109
1A2k - Construction	0.667	0.653	0.628	0.635	0.638	0.635	0.643	0.657	0.678	0.651	0.643	0.581	0.605	0.623	0.763
1A2l - Textile and Leather	0.378	0.349	0.354	0.391	0.427	0.432	0.451	0.478	0.516	0.560	0.571	0.480	0.576	0.565	0.563
1A2m - Non-specified Industry.	9.043	7.480	6.592	6.007	6.664	6.239	4.991	5.624	5.817	6.710	7.877	8.800	5.680	4.769	5.500
<b>1A3 - Transport</b>	<b>150.02</b>	<b>146.00</b>	<b>152.23</b>	<b>148.08</b>	<b>150.44</b>	<b>154.04</b>	<b>155.59</b>	<b>157.87</b>	<b>161.08</b>	<b>165.49</b>	<b>169.33</b>	<b>173.28</b>	<b>179.41</b>	<b>175.29</b>	<b>181.95</b>
1A3a - Civil Aviation	5.132	4.688	4.093	3.671	3.881	4.013	4.212	3.915	3.888	3.748	3.512	4.183	3.417	3.055	3.059
1A3aii - Domestic Aviation	5.113	4.669	4.079	3.658	3.868	4.003	4.202	3.906	3.877	3.736	3.500	4.174	3.374	3.011	3.016
1A3b - Road Transportation	137.992	134.485	141.765	139.441	140.467	143.572	145.061	148.370	151.314	155.878	159.336	162.275	168.990	165.474	171.506
1A3bi - Cars	63.746	62.351	65.647	63.580	62.567	62.954	62.898	63.232	63.271	63.877	65.442	65.249	67.008	62.037	63.078
1A3bii - Light-duty Trucks	44.754	44.552	47.692	48.174	48.906	50.720	52.007	53.931	56.265	58.971	60.558	63.643	67.973	68.006	72.117
1A3biii - Heavy-duty Trucks and Buses	29.031	27.125	28.005	27.295	28.624	29.529	29.775	30.895	31.472	32.715	33.014	33.000	33.565	34.832	35.662
1A3biv - Motorcycles	0.426	0.420	0.388	0.356	0.328	0.327	0.323	0.251	0.238	0.236	0.243	0.318	0.361	0.525	0.584
1A3c - Railways	2.331	2.463	2.236	1.970	2.131	2.428	2.593	2.567	2.699	2.797	3.067	2.900	3.041	2.785	3.189
1A3d - Water-borne Navigation	2.210	2.259	2.302	2.346	2.429	2.490	2.564	2.655	2.744	2.838	2.938	3.039	3.147	3.257	3.369
1A3di - International Water-borne Navigation (International Bunkers)	0.548	0.579	0.611	0.644	0.683	0.724	0.766	0.809	0.855	0.902	0.951	1.002	1.055	1.111	1.169
1A3dii - Domestic Water-borne Navigation	1.662	1.681	1.691	1.703	1.746	1.767	1.798	1.845	1.889	1.936	1.988	2.038	2.092	2.146	2.200
<b>1A4 - Other Sectors</b>	<b>48.19</b>	<b>47.70</b>	<b>44.36</b>	<b>44.37</b>	<b>45.97</b>	<b>42.11</b>	<b>42.59</b>	<b>42.98</b>	<b>48.44</b>	<b>50.61</b>	<b>48.95</b>	<b>45.44</b>	<b>44.86</b>	<b>43.95</b>	<b>46.29</b>
1A4a - Commercial/Institutional	14.026	13.602	11.470	11.109	11.709	11.193	11.167	11.294	12.288	12.954	12.792	11.505	11.422	11.906	12.331
1A4b - Residential	29.657	30.234	28.560	29.067	29.789	27.189	27.296	26.725	31.421	32.210	30.605	28.593	28.524	27.920	29.102
1A4c - Agriculture/Forestry/Fishing/Fish Farms	4.505	3.860	4.330	4.196	4.476	3.731	4.131	4.959	4.731	5.445	5.553	5.346	4.911	4.124	4.860
<b>1A5 - Non-Specified</b>	<b>1.38</b>	<b>0.78</b>	<b>0.69</b>	<b>0.73</b>	<b>0.82</b>	<b>0.70</b>	<b>0.68</b>	<b>0.60</b>	<b>0.35</b>	<b>0.84</b>	<b>0.95</b>	<b>0.82</b>	<b>5.61</b>	<b>2.60</b>	<b>2.16</b>
<b>1B - Fugitive Emissions from Fuels</b>	<b>5.25</b>	<b>5.16</b>	<b>4.79</b>	<b>4.99</b>	<b>4.74</b>	<b>4.34</b>	<b>4.53</b>	<b>4.51</b>	<b>4.46</b>	<b>4.49</b>	<b>4.37</b>	<b>4.45</b>	<b>4.54</b>	<b>4.56</b>	<b>4.62</b>
<b>1B2 - Oil and Natural Gas</b>	<b>2.94</b>	<b>2.82</b>	<b>2.47</b>	<b>2.64</b>	<b>2.59</b>	<b>2.53</b>	<b>2.58</b>	<b>2.51</b>	<b>2.43</b>	<b>2.42</b>	<b>2.42</b>	<b>2.52</b>	<b>2.48</b>	<b>2.50</b>	<b>2.54</b>
1B2a - Oil	0.139	0.078	0.072	0.067	0.067	0.071	0.055	0.044	0.045	0.058	0.053	0.025	0.029	0.029	0.029
1B2aiii - All Other	0.139	0.078	0.072	0.067	0.067	0.071	0.055	0.044	0.045	0.058	0.053	0.025	0.029	0.029	0.029
1B2b - Natural Gas	1.505	1.481	1.454	1.438	1.420	1.396	1.354	1.319	1.284	1.255	1.263	1.288	1.304	1.330	1.354
<b>1B3 - Other Emissions from Energy Production</b>	<b>2.31</b>	<b>2.34</b>	<b>2.33</b>	<b>2.35</b>	<b>2.15</b>	<b>1.80</b>	<b>1.95</b>	<b>2.01</b>	<b>2.03</b>	<b>2.06</b>	<b>1.95</b>	<b>1.93</b>	<b>2.07</b>	<b>2.05</b>	<b>2.07</b>

Page 2 of 3 **California Greenhouse Gas Inventory (millions of metric tonnes of CO2 equivalent) — By IPCC Category**

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	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
<b>2 - Industrial Processes and Product Use</b>	<b>18.34</b>	<b>17.37</b>	<b>16.94</b>	<b>17.96</b>	<b>18.69</b>	<b>20.31</b>	<b>21.86</b>	<b>23.74</b>	<b>25.21</b>	<b>25.98</b>	<b>27.48</b>	<b>27.42</b>	<b>28.65</b>	<b>29.69</b>	<b>30.78</b>
<b>2A - Mineral Industry</b>	<b>4.85</b>	<b>4.85</b>	<b>4.85</b>	<b>4.82</b>	<b>4.85</b>	<b>4.89</b>	<b>5.01</b>	<b>5.15</b>	<b>5.28</b>	<b>5.42</b>	<b>5.57</b>	<b>5.65</b>	<b>5.73</b>	<b>5.82</b>	<b>5.90</b>
2A1 - Cement Production	4.62	4.64	4.66	4.68	4.70	4.72	4.86	5.00	5.15	5.29	5.43	5.52	5.60	5.68	5.77
2A2 - Lime Production	0.23	0.21	0.19	0.14	0.15	0.17	0.15	0.15	0.14	0.14	0.14	0.14	0.13	0.13	0.13
<b>2B - Chemical Industry</b>	<b>2.34</b>	<b>1.93</b>	<b>1.81</b>	<b>1.52</b>	<b>1.68</b>	<b>1.63</b>	<b>1.27</b>	<b>1.23</b>	<b>1.41</b>	<b>1.22</b>	<b>1.38</b>	<b>1.19</b>	<b>1.24</b>	<b>1.26</b>	<b>1.32</b>
2B2 - Nitric Acid Production	0.53	0.54	0.55	0.38	0.44	0.49	0.30	0.30	0.28	0.27	0.27	0.22	0.23	0.23	0.23
<b>2D - Non-Energy Products from Fuels and Solvent Use</b>	<b>2.29</b>	<b>1.92</b>	<b>2.03</b>	<b>2.04</b>	<b>1.90</b>	<b>1.78</b>	<b>1.58</b>	<b>1.63</b>	<b>1.92</b>	<b>2.18</b>	<b>1.85</b>	<b>1.64</b>	<b>1.78</b>	<b>1.56</b>	<b>1.37</b>
2D1 - Lubricant Use	1.13	1.01	1.03	1.05	1.10	1.08	1.05	1.11	1.16	1.17	1.15	1.06	1.04	0.96	0.98
2D2 - Paraffin Wax Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2D4 - Other (please specify)	1.16	0.91	1.00	0.99	0.80	0.70	0.53	0.52	0.76	1.01	0.70	0.58	0.74	0.59	0.39
<b>2E - Electronics Industry</b>	<b>0.59</b>	<b>0.59</b>	<b>0.59</b>	<b>0.74</b>	<b>0.82</b>	<b>1.02</b>	<b>1.12</b>	<b>1.29</b>	<b>1.43</b>	<b>1.43</b>	<b>1.23</b>	<b>0.86</b>	<b>0.83</b>	<b>0.81</b>	<b>0.88</b>
<b>2F - Product Uses as Substitutes for Ozone Depleting Substances</b>	<b>0.04</b>	<b>0.07</b>	<b>0.36</b>	<b>0.92</b>	<b>1.83</b>	<b>3.86</b>	<b>5.39</b>	<b>6.92</b>	<b>7.91</b>	<b>8.87</b>	<b>9.76</b>	<b>10.72</b>	<b>11.77</b>	<b>12.87</b>	<b>13.97</b>
<b>2G - Other Product Manufacture and Use</b>	<b>3.18</b>	<b>2.89</b>	<b>2.65</b>	<b>3.04</b>	<b>2.81</b>	<b>2.38</b>	<b>2.52</b>	<b>2.28</b>	<b>1.96</b>	<b>1.92</b>	<b>1.74</b>	<b>1.67</b>	<b>1.65</b>	<b>1.57</b>	<b>1.60</b>
<b>2G1 - Electrical Equipment</b>	<b>2.58</b>	<b>2.31</b>	<b>2.09</b>	<b>2.48</b>	<b>2.22</b>	<b>1.72</b>	<b>1.86</b>	<b>1.66</b>	<b>1.33</b>	<b>1.26</b>	<b>1.14</b>	<b>1.14</b>	<b>1.05</b>	<b>1.03</b>	<b>1.02</b>
2G1b - Use of Electrical Equipment	2.577	2.313	2.092	2.484	2.223	1.724	1.863	1.656	1.334	1.262	1.141	1.144	1.048	1.031	1.018
2G4 - Other (Please specify)	0.61	0.58	0.56	0.56	0.59	0.65	0.66	0.62	0.62	0.66	0.60	0.53	0.60	0.54	0.58
<b>2H - Other</b>	<b>5.05</b>	<b>5.12</b>	<b>4.65</b>	<b>4.88</b>	<b>4.80</b>	<b>4.76</b>	<b>4.95</b>	<b>5.25</b>	<b>5.31</b>	<b>4.93</b>	<b>5.96</b>	<b>5.69</b>	<b>5.65</b>	<b>5.81</b>	<b>5.74</b>
2H3 - Other (please specify)	5.05	5.12	4.65	4.88	4.80	4.76	4.95	5.25	5.31	4.93	5.96	5.69	5.65	5.81	5.74
<b>3 - Agriculture, Forestry and Other Land Use</b>	<b>19.11</b>	<b>18.30</b>	<b>18.63</b>	<b>18.48</b>	<b>18.98</b>	<b>20.06</b>	<b>19.13</b>	<b>19.08</b>	<b>18.94</b>	<b>19.95</b>	<b>20.84</b>	<b>20.82</b>	<b>23.17</b>	<b>23.39</b>	<b>23.28</b>
<b>3A - Livestock</b>	<b>11.67</b>	<b>11.56</b>	<b>11.75</b>	<b>11.21</b>	<b>11.80</b>	<b>12.14</b>	<b>11.36</b>	<b>11.89</b>	<b>11.78</b>	<b>12.56</b>	<b>12.80</b>	<b>13.28</b>	<b>13.73</b>	<b>14.06</b>	<b>13.92</b>
<b>3A1 - Enteric Fermentation</b>	<b>6.67</b>	<b>6.47</b>	<b>6.57</b>	<b>6.22</b>	<b>6.49</b>	<b>6.58</b>	<b>6.15</b>	<b>6.30</b>	<b>6.29</b>	<b>6.60</b>	<b>6.68</b>	<b>6.80</b>	<b>6.99</b>	<b>7.08</b>	<b>7.01</b>
3A1a - Cattle	6.250	6.051	6.147	5.819	6.051	6.157	5.737	5.895	5.898	6.203	6.282	6.402	6.597	6.691	6.637
3A1ai - Dairy Cows	3.632	3.716	3.823	3.546	3.812	3.871	3.554	3.754	3.779	4.050	4.204	4.364	4.566	4.662	4.685
3A1aii - Other Cattle	2.618	2.335	2.324	2.273	2.240	2.286	2.182	2.141	2.119	2.153	2.078	2.038	2.031	2.030	1.952
3A1c - Sheep	0.168	0.171	0.167	0.150	0.181	0.171	0.155	0.148	0.134	0.139	0.136	0.135	0.127	0.123	0.114
3A1d - Goats	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.007	0.008	0.009	0.010	0.011	0.011	0.011
3A1f - Horses	0.240	0.241	0.242	0.243	0.242	0.243	0.244	0.244	0.245	0.248	0.248	0.248	0.248	0.248	0.248
3A1h - Swine	0.006	0.007	0.008	0.008	0.008	0.008	0.007	0.007	0.007	0.006	0.005	0.003	0.005	0.004	0.004
<b>3A2 - Manure Management</b>	<b>5.00</b>	<b>5.09</b>	<b>5.18</b>	<b>4.99</b>	<b>5.31</b>	<b>5.56</b>	<b>5.22</b>	<b>5.59</b>	<b>5.49</b>	<b>5.96</b>	<b>6.12</b>	<b>6.49</b>	<b>6.74</b>	<b>6.98</b>	<b>6.91</b>
3A2a - Cattle	4.683	4.767	4.856	4.679	5.002	5.258	4.932	5.302	5.237	5.704	5.886	6.266	6.515	6.763	6.703
3A2ai - Dairy Cows	4.359	4.482	4.595	4.395	4.752	4.990	4.701	5.056	4.984	5.443	5.618	5.979	6.219	6.462	6.405
3A2aii - Other Cattle	0.324	0.285	0.261	0.284	0.250	0.268	0.231	0.246	0.253	0.261	0.268	0.287	0.295	0.302	0.298
3A2c - Sheep	0.018	0.019	0.018	0.017	0.020	0.019	0.017	0.016	0.015	0.015	0.015	0.015	0.014	0.013	0.013
3A2d - Goats	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
3A2f - Horses	0.035	0.035	0.035	0.035	0.035	0.027	0.027	0.027	0.028	0.027	0.021	0.022	0.022	0.022	0.022
3A2h - Swine	0.068	0.076	0.095	0.092	0.091	0.090	0.079	0.079	0.071	0.067	0.053	0.040	0.055	0.052	0.052
3A2i - Poultry	0.195	0.190	0.179	0.164	0.165	0.162	0.160	0.163	0.140	0.146	0.143	0.142	0.137	0.129	0.116
<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>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>
3B1 - Forest Land	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
<b>3C - Aggregate Sources and Non-CO2 Emissions Sources on Land</b>	<b>7.26</b>	<b>6.55</b>	<b>6.69</b>	<b>7.08</b>	<b>6.99</b>	<b>7.73</b>	<b>7.58</b>	<b>7.00</b>	<b>6.97</b>	<b>7.19</b>	<b>7.86</b>	<b>7.35</b>	<b>9.25</b>	<b>9.14</b>	<b>9.17</b>
<b>3C1 - Emissions from Biomass Burning</b>	<b>0.12</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>0.09</b>	<b>0.09</b>	<b>0.09</b>	<b>0.09</b>	<b>0.08</b>	<b>0.08</b>	<b>0.08</b>	<b>0.08</b>
3C1b - Biomass Burning in Croplands	0.124	0.113	0.106	0.113	0.110	0.106	0.100	0.087	0.090	0.089	0.094	0.078	0.079	0.082	0.084
<b>3C2 - Liming</b>	<b>0.07</b>	<b>0.10</b>	<b>0.11</b>	<b>0.07</b>	<b>0.16</b>	<b>0.27</b>	<b>0.27</b>	<b>0.35</b>	<b>0.25</b>	<b>0.30</b>	<b>0.27</b>	<b>0.16</b>	<b>0.23</b>	<b>0.24</b>	<b>0.24</b>
<b>3C4 - Direct N2O Emissions from Managed Soils</b>	<b>5.20</b>	<b>4.69</b>	<b>4.73</b>	<b>4.99</b>	<b>4.85</b>	<b>5.28</b>	<b>5.15</b>	<b>4.65</b>	<b>4.74</b>	<b>4.84</b>	<b>5.28</b>	<b>5.04</b>	<b>6.38</b>	<b>6.29</b>	<b>6.24</b>
<b>3C5 - Indirect N2O Emissions from Managed Soils</b>	<b>1.44</b>	<b>1.29</b>	<b>1.33</b>	<b>1.45</b>	<b>1.37</b>	<b>1.59</b>	<b>1.54</b>	<b>1.38</b>	<b>1.42</b>	<b>1.44</b>	<b>1.66</b>	<b>1.59</b>	<b>2.01</b>	<b>2.00</b>	<b>2.00</b>

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

Last Updated: Monday, November 19, 2007

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
3C7 - Rice Cultivations	0.41	0.36	0.41	0.45	0.50	0.48	0.52	0.54	0.47	0.52	0.57	0.49	0.55	0.53	0.61
4 - Waste	9.42	9.21	9.47	9.59	9.67	9.25	9.19	9.19	9.40	9.46	9.31	9.43	9.36	9.46	9.44
4A - Solid Waste Disposal	6.26	5.99	6.21	6.28	6.30	5.88	5.77	5.72	5.91	5.86	5.64	5.70	5.62	5.67	5.62
4A1 - Managed Waste Disposal Sites	6.26	5.99	6.21	6.28	6.30	5.88	5.77	5.72	5.91	5.86	5.64	5.70	5.62	5.67	5.62
4D - Wastewater Treatment and Discharge	3.17	3.23	3.26	3.31	3.38	3.37	3.41	3.47	3.49	3.60	3.66	3.72	3.74	3.79	3.82
4D1 - Domestic Wastewater Treatment and Discharge	2.83	2.91	2.96	2.99	3.03	3.04	3.07	3.12	3.17	3.24	3.28	3.36	3.33	3.40	3.43
4D2 - Industrial Wastewater Treatment and Discharge	0.34	0.32	0.31	0.32	0.34	0.33	0.35	0.35	0.33	0.36	0.38	0.36	0.41	0.39	0.40

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

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

**Categories Excluded from the Inventory.***(CO2 equivalence based upon IPCC Second Assessment Report's Global Warming Potentials)*

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
1 - Energy	59.02	53.00	45.38	46.22	52.91	55.13	56.51	48.61	48.37	50.47	55.52	51.08	53.06	40.80	44.16
1A - Fuel Combustion Activities	59.02	53.00	45.38	46.22	52.91	55.13	56.51	48.61	48.37	50.47	55.52	51.08	53.06	40.80	44.16
1A3 - Transport	59.02	53.00	45.38	46.22	52.91	55.13	56.51	48.61	48.37	50.47	55.52	51.08	53.06	40.80	44.16
1A3a - Civil Aviation	33.954	32.419	31.597	32.948	36.569	34.993	38.210	38.275	39.121	36.626	38.582	35.536	38.428	30.843	32.916
1A3ai - International Aviation (International Bunkers)	14.597	13.852	13.324	13.707	15.156	14.611	15.905	15.809	16.152	15.124	15.787	14.900	15.681	12.680	13.483
1A3aii - Domestic Aviation	19.357	18.567	18.274	19.241	21.413	20.382	22.305	22.466	22.968	21.502	22.795	20.636	22.748	18.163	19.433
1A3d - Water-borne Navigation	25.062	20.579	13.787	13.269	16.342	20.133	18.304	10.332	9.246	13.848	16.941	15.543	14.633	9.953	11.242
1A3di - International Water-borne Navigation (International Bunkers)	25.062	20.579	13.787	13.269	16.342	20.133	18.304	10.332	9.246	13.848	16.941	15.543	14.633	9.953	11.242

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

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