

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category

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

Included Emissions

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1 - Energy	410.25	425.63	420.32	422.52	432.26	424.09	419.84	425.08	421.26	394.92	387.99	383.99
1A - Fuel Combustion Activities	405.20	420.86	415.48	418.11	427.79	419.14	414.61	419.90	416.05	389.49	382.10	377.34
1A1 - Energy Industries	159.07	175.90	161.51	167.76	172.71	163.86	157.59	165.69	171.46	154.23	144.40	139.06
1A1a - Main Activity Electricity and Heat Production	116.38	132.30	119.13	122.24	127.50	119.42	115.88	124.34	129.70	113.33	102.32	98.64
1A1ai - Electricity Generation	84.808	103.494	86.523	92.866	98.066	91.194	88.845	98.223	104.632	84.151	75.809	72.109
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	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	0.059
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	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	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	0.008
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	0.000
Imported Electricity : Specified Imports : Arizona : Gila River Power 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	0.000
Imported Electricity : Specified Imports : Arizona : Gila River Power 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	0.000	0.000	0.081
Imported Electricity : Specified Imports : Arizona : Gila River Power 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	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	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	0.003
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	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	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	0.000
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	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	0.001
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	2.641
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	0.002
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	0.001
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	3.349
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	0.018
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	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	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	0.000
Imported Electricity : Specified Imports : Arizona : Southpoint Energy Center (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	0.000
Imported Electricity : Specified Imports : Arizona : Southpoint Energy Center (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	0.217

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Imported Electricity : Specified Imports : Arizona : Southpoint Energy Center (AZ) - Primary fuel: Natural Gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Yucca/Yuma Axis (AZ) - Primary fuel: Natural Gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Yucca/Yuma Axis (AZ) - Primary fuel: Natural Gas > CO ₂	0.129	0.174	0.109	0.066	0.074	0.068	0.078	0.081	0.082	0.186	0.190	0.103
Imported Electricity : Specified Imports : Arizona : Yucca/Yuma Axis (AZ) - Primary fuel: Natural Gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Yuma Cogeneration Associates (AZ) - Primary fuel: Natural Gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Yuma Cogeneration Associates (AZ) - Primary fuel: Natural Gas > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.135	0.076	0.031
Imported Electricity : Specified Imports : Arizona : Yuma Cogeneration Associates (AZ) - Primary fuel: Natural Gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Canada : Armstrong Woodwaste Cogeneration (CAN) - Primary fuel: Biomass > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Canada : Armstrong Woodwaste Cogeneration (CAN) - Primary fuel: Biomass > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000
Imported Electricity : Specified Imports : Canada : Armstrong Woodwaste Cogeneration (CAN) - Primary fuel: Biomass > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Canada : Prince George Pulp & Paper (CAN) - Primary fuel: Biomass > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
Imported Electricity : Specified Imports : Canada : Prince George Pulp & Paper (CAN) - Primary fuel: Biomass > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
Imported Electricity : Specified Imports : Canada : Prince George Pulp & Paper (CAN) - Primary fuel: Biomass > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
Imported Electricity : Specified Imports : Mexico : La Rosita (MEX) - Primary fuel: Natural Gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Mexico : La Rosita (MEX) - Primary fuel: Natural Gas > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.965	0.789	0.687	0.685
Imported Electricity : Specified Imports : Mexico : La Rosita (MEX) - Primary fuel: Natural Gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
Imported Electricity : Specified Imports : Mexico : Termoelectrica de Mexicali (MEX) - Primary fuel: Natural Gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.000
Imported Electricity : Specified Imports : Mexico : Termoelectrica de Mexicali (MEX) - Primary fuel: Natural Gas > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.240	1.573	1.625	1.064	1.147
Imported Electricity : Specified Imports : Mexico : Termoelectrica de Mexicali (MEX) - Primary fuel: Natural Gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001
Imported Electricity : Specified Imports : Montana : Hardin Generating Project (MT) - Primary fuel: Coal > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Montana : Hardin Generating Project (MT) - Primary fuel: Coal > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.066
Imported Electricity : Specified Imports : Montana : Hardin Generating Project (MT) - Primary fuel: Coal > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Nevada : Apex Generating Station (NV) - Primary fuel: Natural Gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Nevada : Apex Generating Station (NV) - Primary fuel: Natural Gas > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.016	0.577	0.233
Imported Electricity : Specified Imports : Nevada : Apex Generating Station (NV) - Primary fuel: Natural Gas > N ₂ O	0.000	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 : Nevada : El Dorado Energy (NV) - Primary fuel: Natural Gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.000
Imported Electricity : Specified Imports : Nevada : El Dorado Energy (NV) - Primary fuel: Natural Gas > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.086	4.072	1.067
Imported Electricity : Specified Imports : Nevada : El Dorado Energy (NV) - Primary fuel: Natural Gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.001
Imported Electricity : Specified Imports : Nevada : Mohave (NV) - Primary fuel: Coal > CH ₄	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Nevada : Mohave (NV) - Primary fuel: Coal > CO ₂	7.645	7.265	6.337	6.057	6.356	6.623	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Nevada : Mohave (NV) - Primary fuel: Coal > N ₂ O	0.040	0.039	0.034	0.032	0.034	0.035	0.000	0.000	0.000	0.000	0.000	0.000

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Included Emissions

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Imported Electricity : Specified Imports : Nevada : Reid Gardner (NV) - 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	0.000
Imported Electricity : Specified Imports : Nevada : Reid Gardner (NV) - Primary fuel: Coal > CO2	1.286	1.162	1.255	1.206	1.206	1.202	1.144	1.145	1.027	1.219	0.975	0.934
Imported Electricity : Specified Imports : Nevada : Reid Gardner (NV) - Primary fuel: Coal > N2O	0.007	0.006	0.007	0.006	0.006	0.006	0.006	0.006	0.005	0.006	0.005	0.005
Imported Electricity : Specified Imports : New Mexico : Four Corners (NM) - 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	0.001
Imported Electricity : Specified Imports : New Mexico : Four Corners (NM) - Primary fuel: Coal > CO2	5.096	5.321	4.598	5.553	5.349	5.534	5.679	5.202	5.166	5.380	4.629	4.985
Imported Electricity : Specified Imports : New Mexico : Four Corners (NM) - Primary fuel: Coal > N2O	0.026	0.027	0.023	0.028	0.027	0.028	0.029	0.027	0.026	0.026	0.024	0.026
Imported Electricity : Specified Imports : New Mexico : San Juan (NM) - Primary fuel: Coal > CH4	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001
Imported Electricity : Specified Imports : New Mexico : San Juan (NM) - Primary fuel: Coal > CO2	0.560	2.953	3.112	2.912	3.141	3.184	3.178	2.930	2.716	2.353	1.842	2.424
Imported Electricity : Specified Imports : New Mexico : San Juan (NM) - Primary fuel: Coal > N2O	0.003	0.015	0.016	0.015	0.016	0.016	0.016	0.015	0.014	0.011	0.010	0.013
Imported Electricity : Specified Imports : Oregon : Boardman (OR) - 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	0.000
Imported Electricity : Specified Imports : Oregon : Boardman (OR) - Primary fuel: Coal > CO2	1.021	0.989	0.836	0.992	0.801	0.808	0.553	0.984	0.906	0.548	0.621	0.648
Imported Electricity : Specified Imports : Oregon : Boardman (OR) - Primary fuel: Coal > N2O	0.005	0.005	0.004	0.005	0.004	0.004	0.003	0.005	0.005	0.003	0.003	0.003
Imported Electricity : Specified Imports : Oregon : Hermiston Power (OR) - 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	0.000
Imported Electricity : Specified Imports : Oregon : Hermiston Power (OR) - 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	0.058
Imported Electricity : Specified Imports : Oregon : Hermiston Power (OR) - 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	0.000
Imported Electricity : Specified Imports : Oregon : Klamath Falls Cogen (OR) - 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	0.000
Imported Electricity : Specified Imports : Oregon : Klamath Falls Cogen (OR) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.928	1.037	0.078
Imported Electricity : Specified Imports : Oregon : Klamath Falls Cogen (OR) - Primary fuel: Natural Gas > N2O	0.000	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 : Oregon : Klamath Peaking (OR) - 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	0.000
Imported Electricity : Specified Imports : Oregon : Klamath Peaking (OR) - 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	0.006	0.011
Imported Electricity : Specified Imports : Oregon : Klamath Peaking (OR) - 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	0.000
Imported Electricity : Specified Imports : Pacific Northwest : Bonneville Power Administration (PNW) - Primarily Hydropower > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Pacific Northwest : Bonneville Power Administration (PNW) - Primarily Hydropower > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.683
Imported Electricity : Specified Imports : Pacific Northwest : Bonneville Power Administration (PNW) - Primarily Hydropower > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Utah : Bonanza (UT) - 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	0.000
Imported Electricity : Specified Imports : Utah : Bonanza (UT) - Primary fuel: Coal > CO2	0.212	0.209	0.205	0.205	0.210	0.206	0.207	0.191	0.206	0.183	0.000	0.000
Imported Electricity : Specified Imports : Utah : Bonanza (UT) - Primary fuel: Coal > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
Imported Electricity : Specified Imports : Utah : Hunter (UT) - 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	0.000
Imported Electricity : Specified Imports : Utah : Hunter (UT) - Primary fuel: Coal > CO2	0.219	0.227	0.214	0.212	0.227	0.226	0.220	0.202	0.220	0.190	0.000	0.000
Imported Electricity : Specified Imports : Utah : Hunter (UT) - Primary fuel: Coal > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
Imported Electricity : Specified Imports : Utah : Intermountain (UT) - Primary fuel: Coal > CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.003
Imported Electricity : Specified Imports : Utah : Intermountain (UT) - Primary fuel: Coal > CO2	11.595	11.539	11.484	11.739	12.045	11.555	12.080	11.426	11.390	10.342	10.291	11.182
Imported Electricity : Specified Imports : Utah : Intermountain (UT) - Primary fuel: Coal > N2O	0.062	0.061	0.061	0.062	0.064	0.061	0.064	0.061	0.060	0.051	0.055	0.059
Imported Electricity : Specified Imports : Utah : Nebo Power Station (UT) - 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	0.000
Imported Electricity : Specified Imports : Utah : Nebo Power Station (UT) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.014	0.008
Imported Electricity : Specified Imports : Utah : Nebo Power Station (UT) - 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	0.000
Imported Electricity : Specified Imports : Utah : Trans-Jordan Generating Station (UT) - 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	0.000
Imported Electricity : Specified Imports : Utah : Trans-Jordan Generating Station (UT) - Primary fuel: Biomass > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Imported Electricity : Specified Imports : Utah : Trans-Jordan Generating Station (UT) - 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	0.000
Imported Electricity : Specified Imports : Washington : Grays Harbor Energy Facility (WA) - 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	0.000
Imported Electricity : Specified Imports : Washington : Grays Harbor Energy Facility (WA) - 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	0.012
Imported Electricity : Specified Imports : Washington : Grays Harbor Energy Facility (WA) - 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	0.000
Imported Electricity : Specified Imports : Washington : Kettle Falls (WA) - 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	0.000
Imported Electricity : Specified Imports : Washington : Kettle Falls (WA) - Primary fuel: Biomass > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Washington : Kettle Falls (WA) - 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	0.000
Imported Electricity : Specified Imports : Washington : Sierra Pacific Burlington (WA) - 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	0.000
Imported Electricity : Specified Imports : Washington : Sierra Pacific Burlington (WA) - Primary fuel: Biomass > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Washington : Sierra Pacific Burlington (WA) - Primary fuel: Biomass > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000
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	0.002
Imported Electricity : Specified Imports : Washington : Simpson (WA) - Primary fuel: Biomass > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.008	0.005
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	0.004
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	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	0.442
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	0.002
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	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	0.000
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	0.000
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	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	11.393
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	0.008
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	0.002
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	4.113
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	0.003
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	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	0.000
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	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	0.023	0.029
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	0.047	0.056
In State Generation : Merchant Owned - Crude oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	0.000

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category*million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)***Included Emissions**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
In State Generation : Merchant Owned - Digester gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.006
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	0.000
In State Generation : Merchant Owned - Jet fuel > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.002
In State Generation : Merchant Owned - Jet fuel > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000
In State Generation : Merchant Owned - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.001	0.001	0.001
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	0.004	0.004	0.004
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	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	0.083
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	0.003
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	0.005
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	18.844	12.694
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	0.007
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	0.001	0.002
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	1.131	0.989
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	0.002	0.005
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	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	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	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	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	0.205
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	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	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	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	0.000
In State Generation : Merchant Owned - Tires > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Tires > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003
In State Generation : Merchant Owned - Tires > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	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	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	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	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	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	0.001	0.001	0.001

California Environmental Protection Agency

**Included Emissions****California Greenhouse Gas Inventory for 2000-2011 — 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	2011
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	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	0.028
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	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	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	0.001	0.001
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	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	11.141
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	0.006
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	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	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	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	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	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	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	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	0.001
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	0.000
1A1a ii - Combined Heat and Power Generation (CHP)	31.568	28.807	32.604	29.377	29.430	28.230	27.037	26.117	25.072	29.180	26.514	26.532
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	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	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	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	0.000
CHP: Commercial : Useful Thermal Output - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000
CHP: Commercial : Useful Thermal Output - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Jet fuel > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Jet fuel > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Jet fuel > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000
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	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	0.000
CHP: Commercial : Useful Thermal Output - Landfill gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Landfill gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.920	0.753
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	0.000
CHP: Commercial : Useful Thermal Output - Propane > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Propane > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Propane > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.005	0.008

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category*million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)***Included Emissions**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
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	0.011	0.016
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	0.004	0.004
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	1.549	1.757
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	0.008	0.009
CHP: Industrial : Useful Thermal Output - Crude oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.000
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	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	0.000
CHP: Industrial : Useful Thermal Output - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.001
CHP: Industrial : Useful Thermal Output - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : 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	0.000
CHP: Industrial : 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	0.000
CHP: Industrial : 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	0.000
CHP: Industrial : Useful Thermal Output - Landfill gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Landfill gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	0.021
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	0.001
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	0.003	0.004
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	8.700	9.509
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	0.005	0.005
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	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	0.109	0.196
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	0.001
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	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	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	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	0.001	0.001
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	2.008	1.037
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	0.004
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	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	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	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	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	0.012	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	0.000
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	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	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	0.000

California Greenhouse Gas Inventory for 2000-2011 — 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	2011
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.786	0.887
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	0.001
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	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	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	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	0.005	0.006
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	0.009	0.013
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	0.004	0.004
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	1.920	1.503
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	0.010	0.008
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	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	0.000
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	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	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	0.001	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	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	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	0.000
In State Generation : CHP: Industrial - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Kerosene > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	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	0.002

California Environmental Protection Agency

**Included Emissions****California Greenhouse Gas Inventory for 2000-2011 — 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	2011
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	0.079
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	0.003
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	0.003	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	9.007	9.780
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	0.005	0.006
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	0.001
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	0.122	0.442
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	0.001
In State Generation : CHP: Industrial - Propane > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	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	0.000	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	1.216	0.450
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	0.002
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	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	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	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	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	0.013	0.003
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	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	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	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	0.000
1A1b - Petroleum Refining	24.61	25.17	25.27	25.97	25.25	25.87	25.52	25.00	24.22	24.55	26.47	24.90
Petroleum Refining - Associated gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Associated gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004
Petroleum Refining - 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	0.000
Petroleum Refining - Catalyst coke > CH4	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.012	0.011	0.013	0.012	0.013
Petroleum Refining - Catalyst coke > CO2	5.561	5.542	5.601	5.812	5.905	5.909	5.924	5.493	4.942	5.802	5.439	5.935
Petroleum Refining - Catalyst coke > N2O	0.027	0.027	0.027	0.028	0.029	0.029	0.029	0.027	0.024	0.028	0.026	0.029
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	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	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	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	0.001
Petroleum Refining - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Ethanol > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Ethanol > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Ethanol > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Gasoline > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining - Gasoline > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003
Petroleum Refining - Gasoline > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category

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

Included Emissions

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
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	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	0.002
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	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	0.001
Petroleum Refining - Natural gas > CO2	2.941	2.856	3.158	3.181	3.213	3.287	3.371	3.521	3.589	3.781	3.817	3.090
Petroleum Refining - Natural gas > N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.002
Petroleum Refining - Petroleum coke > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
Petroleum Refining - Petroleum coke > CO2	0.189	0.189	0.189	0.189	0.189	0.189	0.189	0.189	0.189	0.222	0.145	0.200
Petroleum Refining - Petroleum coke > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
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	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	0.002
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	0.000
Petroleum Refining - Refinery gas > CH4	0.005	0.006	0.006	0.006	0.005	0.006	0.005	0.005	0.005	0.011	0.006	0.017
Petroleum Refining - Refinery gas > CO2	15.016	15.476	15.643	15.861	15.145	15.589	15.327	15.117	14.794	14.330	16.692	15.542
Petroleum Refining - Refinery gas > N2O	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.018	0.010	0.051
Petroleum Refining - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	0.000
1A1c - Manufacture of Solid Fuels and Other Energy Industries	18.08	18.43	17.11	19.55	19.96	18.56	16.19	16.35	17.54	16.35	15.61	15.52
<i>1A1cii - Other Energy Industries</i>	<i>18.084</i>	<i>18.428</i>	<i>17.108</i>	<i>19.546</i>	<i>19.963</i>	<i>18.562</i>	<i>16.191</i>	<i>16.352</i>	<i>17.536</i>	<i>16.350</i>	<i>15.610</i>	<i>15.523</i>
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	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	3.503
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	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	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	0.067
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	0.000
Oil & Gas Extraction - Natural gas > CH4	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.004
Oil & Gas Extraction - Natural gas > CO2	14.290	14.817	12.797	15.060	15.305	14.292	12.553	12.548	13.193	12.417	11.401	11.324
Oil & Gas Extraction - Natural gas > N2O	0.008	0.009	0.007	0.009	0.009	0.008	0.007	0.007	0.008	0.007	0.007	0.007
Oil & Gas Extraction - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	0.000
Pipelines : Natural Gas Pipelines - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.539
Pipelines : Natural Gas Pipelines - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pipelines : Non Natural Gas Pipelines - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.076
Pipelines : Non Natural Gas Pipelines - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2 - Manufacturing Industries and Construction	24.67	23.38	24.81	21.22	21.38	20.61	20.65	19.11	20.24	18.63	21.01	22.38
Manufacturing : Primary Metals - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.492

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category

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

Included Emissions

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Manufacturing : Primary Metals - Natural gas > N ₂ O	0.000	0.000	0.001	0.000	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	6.32
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural gas > CH ₄	0.002	0.002	0.002	0.001	0.001	0.002	0.001	0.001	0.002	0.002	0.002	0.003
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural gas > CO ₂	4.543	4.075	3.968	2.596	3.212	3.806	3.781	3.125	3.905	3.813	5.358	6.313
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural gas > N ₂ O	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.004
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	0.44
Manufacturing : Printing & Publishing - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Printing & Publishing - Natural gas > CO ₂	0.126	0.104	0.109	0.087	0.089	0.081	0.076	0.075	0.067	0.062	0.054	0.057
Manufacturing : Printing & Publishing - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper - Natural gas > CO ₂	0.923	0.839	0.896	0.829	0.850	0.540	0.565	0.476	0.390	0.333	0.349	0.386
Manufacturing : Pulp & Paper - Natural gas > N ₂ O	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2e - Food Processing, Beverages and Tobacco	3.89	3.51	3.80	3.12	3.16	3.02	3.31	3.32	3.18	3.12	3.08	3.16
Manufacturing : Food Products - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Food Products - Natural gas > CO ₂	0.287	0.442	0.466	0.375	0.253	0.250	0.306	0.275	0.246	0.238	0.270	0.244
Manufacturing : Food Products - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Food Products : Food Processing - Natural gas > CH ₄	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing : Food Products : Food Processing - Natural gas > CO ₂	3.233	2.882	3.126	2.517	2.470	2.392	2.867	2.936	2.856	2.819	2.739	2.839
Manufacturing : Food Products : Food Processing - Natural gas > N ₂ O	0.002	0.002	0.002	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
Manufacturing : Food Products : Sugar & Confections - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Food Products : Sugar & Confections - Natural gas > CO ₂	0.370	0.180	0.206	0.221	0.432	0.379	0.134	0.110	0.075	0.060	0.067	0.071
Manufacturing : Food Products : Sugar & Confections - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Tobacco - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Tobacco - Natural gas > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Tobacco - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2f - Non-Metallic Minerals	5.42	5.28	5.47	5.29	5.27	5.32	5.32	4.78	4.33	2.93	2.89	2.85
Manufacturing : Stone, Clay, Glass & Cement - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement - Natural gas > CO ₂	0.722	0.487	0.532	0.385	0.370	0.381	0.772	0.676	0.501	0.337	0.300	0.302
Manufacturing : Stone, Clay, Glass & Cement - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Biomass waste fuel > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Biomass waste fuel > N ₂ O	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.001	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > CH ₄	0.008	0.008	0.008	0.007	0.007	0.007	0.007	0.006	0.005	0.003	0.003	0.004
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > CO ₂	3.086	3.068	3.050	3.032	3.013	2.995	2.827	2.543	2.283	1.432	1.424	1.472
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > N ₂ O	0.016	0.016	0.016	0.016	0.016	0.016	0.015	0.014	0.011	0.007	0.007	0.008
Manufacturing : Stone, Clay, Glass & Cement : Cement - Distillate > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Distillate > CO ₂	0.005	0.004	0.003	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Distillate > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - LPG > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - LPG > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - LPG > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - MSW > CH ₄	0.000	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 2000-2011 — by IPCC Category

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

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Manufacturing : Stone, Clay, Glass & Cement : Cement - MSW > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - MSW > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural gas > CO ₂	0.128	0.144	0.152	0.161	0.169	0.177	0.153	0.130	0.104	0.063	0.049	0.045
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum coke > CH ₄	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum coke > CO ₂	0.569	0.579	0.588	0.598	0.607	0.617	0.728	0.701	0.750	0.495	0.479	0.439
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum coke > N ₂ O	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.002	0.001	0.001	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Residual fuel oil > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Residual fuel oil > CO ₂	0.063	0.066	0.069	0.072	0.074	0.077	0.055	0.032	0.010	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Residual fuel oil > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > CH ₄	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > CO ₂	0.076	0.090	0.104	0.118	0.132	0.146	0.134	0.140	0.166	0.114	0.128	0.079
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > N ₂ O	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.000	0.000	0.001	0.002
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural gas > CO ₂	0.001	0.177	0.247	0.272	0.301	0.359	0.003	0.002	0.002	0.001	0.001	0.001
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Glass Containers - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Glass Containers - Natural gas > CO ₂	0.740	0.636	0.693	0.619	0.567	0.533	0.615	0.529	0.498	0.476	0.495	0.497
Manufacturing : Stone, Clay, Glass & Cement : Glass Containers - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2g - Transport Equipment	0.46	0.48	0.52	0.31	0.27	0.27	0.26	0.28	0.29	0.25	0.25	0.24
Manufacturing : Transportation Equip. - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Transportation Equip. - Natural gas > CO ₂	0.455	0.483	0.524	0.314	0.269	0.269	0.263	0.276	0.287	0.254	0.247	0.235
Manufacturing : Transportation Equip. - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2h - Machinery	1.75	1.27	1.33	0.98	1.01	1.02	1.04	0.99	0.93	0.82	0.80	0.82
Manufacturing : Electric & Electronic Equip. - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Electric & Electronic Equip. - Natural gas > CO ₂	0.058	0.043	0.054	0.029	0.031	0.028	0.029	0.029	0.028	0.025	0.024	0.023
Manufacturing : Electric & Electronic Equip. - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Computers & Office Machines - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Computers & Office Machines - Natural gas > CO ₂	0.886	0.390	0.422	0.357	0.319	0.334	0.362	0.333	0.290	0.266	0.254	0.245
Manufacturing : Metal Durables : Computers & Office Machines - Natural gas > N ₂ O	0.001	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 > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Fabricated Metal Products - Natural gas > CO ₂	0.665	0.705	0.723	0.492	0.519	0.525	0.508	0.506	0.478	0.411	0.433	0.457
Manufacturing : Metal Durables : Fabricated Metal Products - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural gas > CO ₂	0.145	0.130	0.130	0.099	0.137	0.127	0.144	0.121	0.131	0.120	0.093	0.093
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2i - Mining (excluding fuels) and Quarrying	0.86	0.31	0.31	0.34	0.36	0.34	0.11	0.16	0.19	0.14	0.15	0.15
Mining : Coal - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Coal - Natural gas > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Coal - Natural gas > N ₂ O	0.000	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 2000-2011 — by IPCC Category

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

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Mining : Metals - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Metals - Natural gas > CO ₂	0.532	0.282	0.275	0.266	0.272	0.257	0.011	0.012	0.000	0.000	0.000	0.000
Mining : Metals - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Non Metals - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Non Metals - Natural gas > CO ₂	0.325	0.031	0.035	0.070	0.092	0.084	0.095	0.149	0.188	0.141	0.148	0.152
Mining : Non Metals - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2j - Wood and Wood Products	0.40	0.31	0.19	0.16	0.11	0.11	0.11	0.08	0.07	0.05	0.05	0.04
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural gas > CO ₂	0.059	0.053	0.055	0.042	0.043	0.041	0.039	0.034	0.027	0.021	0.018	0.017
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural gas > CO ₂	0.338	0.256	0.137	0.115	0.069	0.066	0.066	0.049	0.045	0.034	0.032	0.025
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2k - Construction	0.41	0.61	0.62	0.64	0.78	0.74	0.62	0.50	0.44	0.43	0.50	0.59
Manufacturing : Construction - Ethanol > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Construction - Ethanol > CO ₂	0.001	0.002	0.002	0.012	0.021	0.019	0.019	0.015	0.015	0.014	0.027	0.035
Manufacturing : Construction - Ethanol > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Construction - Gasoline > CH ₄	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Construction - Gasoline > CO ₂	0.283	0.486	0.523	0.514	0.578	0.506	0.501	0.395	0.348	0.331	0.397	0.472
Manufacturing : Construction - Gasoline > N ₂ O	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing : Construction - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Construction - Natural gas > CO ₂	0.128	0.117	0.097	0.108	0.174	0.215	0.095	0.088	0.075	0.079	0.078	0.084
Manufacturing : Construction - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2l - Textile and Leather	0.56	0.54	0.59	0.45	0.44	0.43	0.39	0.35	0.31	0.23	0.24	0.23
Manufacturing : Textiles : Apparel - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Apparel - Natural gas > CO ₂	0.026	0.025	0.028	0.016	0.020	0.021	0.022	0.020	0.014	0.011	0.010	0.010
Manufacturing : Textiles : Apparel - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Leather - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Leather - Natural gas > CO ₂	0.004	0.008	0.004	0.006	0.003	0.004	0.002	0.002	0.002	0.001	0.001	0.002
Manufacturing : Textiles : Leather - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Textile Mills - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Textile Mills - Natural gas > CO ₂	0.533	0.503	0.560	0.426	0.419	0.410	0.368	0.328	0.289	0.222	0.232	0.219
Manufacturing : Textiles : Textile Mills - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2m - Non-specified Industry.	4.51	5.27	6.09	5.67	5.11	4.32	4.62	4.45	5.61	6.08	6.81	7.04
Manufacturing - Coal > CH ₄	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005
Manufacturing - Coal > CO ₂	1.551	1.441	1.543	1.569	1.444	1.560	1.528	1.691	1.673	1.643	1.864	2.031
Manufacturing - Coal > N ₂ O	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.010	0.011
Manufacturing - Distillate > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001
Manufacturing - Distillate > CO ₂	0.439	0.489	0.437	0.477	0.517	0.469	0.533	0.537	0.431	0.624	0.723	0.719
Manufacturing - Distillate > N ₂ O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
Manufacturing - Ethanol > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Included Emissions**California Greenhouse Gas Inventory for 2000-2011 — 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	2011
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	0.064
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	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	0.001
Manufacturing - Gasoline > CO2	0.150	0.836	0.882	0.919	0.967	0.888	0.879	0.852	0.855	0.811	0.968	0.863
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	0.002
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	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	0.003
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	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	0.002
Manufacturing - LPG > CO2	1.447	1.549	2.236	1.631	1.168	0.426	0.730	0.466	1.082	1.503	1.479	1.678
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	0.005
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	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	0.977
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	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	0.001
Manufacturing - Petroleum coke > CO2	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.397	0.436	0.363	0.361	0.426
Manufacturing - Petroleum coke > N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	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	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	0.003
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	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	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	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	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	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	0.096
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	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	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	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	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	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	0.031	0.031
1A3 - Transport	175.10	175.55	182.77	182.55	186.20	187.93	188.36	187.96	176.22	170.72	169.67	167.53
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	0.000
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	0.241
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	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	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	0.004
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	0.000
1A3a - Civil Aviation	4.15	4.02	4.11	4.22	4.48	4.48	4.54	4.90	4.44	3.97	3.82	3.74
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	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	0.009

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category*million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)***Included Emissions**

		2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
	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	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	0.000
	Aviation - Gasoline > CO2	0.263	0.243	0.270	0.262	0.236	0.212	0.202	0.217	0.181	0.148	0.126	0.125
	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	0.000
1A3aii - Domestic Aviation		3.890	3.780	3.836	3.951	4.231	4.257	4.331	4.678	4.251	3.818	3.690	3.606
	Aviation : Domestic Air transport - Aviation gasoline > CH4	0.005	0.003	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.002	0.002	0.002
	Aviation : Domestic Air transport - Aviation gasoline > CO2	0.252	0.187	0.209	0.210	0.193	0.185	0.161	0.155	0.142	0.099	0.117	0.132
	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	0.000	0.000	0.001
	Aviation : Domestic Air transport : Intrastate - Jet fuel > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	Aviation : Domestic Air transport : Intrastate - Jet fuel > CO2	3.599	3.556	3.589	3.702	3.997	4.031	4.129	4.479	4.068	3.683	3.538	3.440
	Aviation : Domestic Air transport : Intrastate - Jet fuel > N2O	0.032	0.032	0.032	0.033	0.036	0.036	0.037	0.040	0.037	0.033	0.032	0.031
1A3b - Road Transportation		162.97	163.54	169.72	168.88	171.83	172.56	172.56	172.43	162.30	158.64	157.57	155.11
	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	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	0.735	0.825
	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	0.000
1A3bi - Cars		64.315	62.978	63.358	60.372	59.972	58.753	58.583	58.253	55.141	54.974	55.174	54.253
	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	0.000
	On Road : Light-duty Vehicles : Passenger Cars - Distillate > CO2	0.341	0.307	0.296	0.268	0.247	0.222	0.197	0.184	0.170	0.187	0.199	0.205
	On Road : Light-duty Vehicles : Passenger Cars - Distillate > N2O	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
	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	0.006	0.009	0.008
	On Road : Light-duty Vehicles : Passenger Cars - Ethanol > CO2	0.151	0.200	0.236	1.327	2.003	2.093	2.087	2.073	2.180	2.213	3.444	3.697
	On Road : Light-duty Vehicles : Passenger Cars - Ethanol > N2O	0.007	0.009	0.009	0.046	0.062	0.057	0.051	0.045	0.043	0.040	0.054	0.050
	On Road : Light-duty Vehicles : Passenger Cars - Gasoline > CH4	0.277	0.251	0.228	0.194	0.173	0.152	0.136	0.121	0.104	0.096	0.082	0.070
	On Road : Light-duty Vehicles : Passenger Cars - Gasoline > CO2	61.620	60.475	61.023	57.228	56.352	55.242	55.238	55.060	51.980	51.824	50.870	49.782
	On Road : Light-duty Vehicles : Passenger Cars - Gasoline > N2O	1.914	1.732	1.561	1.298	1.122	0.975	0.864	0.763	0.656	0.606	0.514	0.438
1A3bii - Light-duty Trucks		65.503	66.635	70.695	72.058	73.119	72.980	72.431	71.516	67.407	66.477	65.207	63.518
	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	0.000
	On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Distillate > CO2	0.075	0.061	0.053	0.043	0.038	0.036	0.032	0.029	0.026	0.034	0.033	0.033
	On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Distillate > N2O	0.001	0.001	0.001	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 - Ethanol > CH4	0.001	0.001	0.001	0.006	0.009	0.008	0.008	0.007	0.007	0.007	0.010	0.010
	On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > CO2	0.154	0.211	0.263	1.588	2.448	2.605	2.583	2.546	2.665	2.675	4.068	4.325
	On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > N2O	0.009	0.011	0.012	0.062	0.083	0.079	0.072	0.065	0.064	0.062	0.087	0.085
	On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > CH4	0.222	0.203	0.192	0.175	0.158	0.144	0.133	0.122	0.109	0.105	0.094	0.085
	On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > CO2	62.760	64.053	68.221	68.460	68.878	68.758	68.378	67.634	63.549	62.653	60.081	58.240
	On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > N2O	2.282	2.094	1.952	1.724	1.505	1.349	1.225	1.112	0.985	0.941	0.833	0.739
1A3biii - Heavy-duty Trucks and Buses		32.797	33.514	35.201	35.920	38.170	39.928	40.604	41.629	38.694	36.071	36.023	36.083
	On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Distillate > CH4	0.015	0.015	0.016	0.015	0.015	0.015	0.014	0.014	0.012	0.011	0.010	0.009
	On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Distillate > CO2	26.455	26.448	27.209	26.919	28.725	29.992	30.330	31.251	28.663	26.113	26.210	26.529
	On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Distillate > N2O	0.266	0.266	0.274	0.271	0.289	0.302	0.305	0.315	0.289	0.263	0.264	0.267
	On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > CH4	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > CO2	0.014	0.021	0.028	0.189	0.301	0.338	0.350	0.353	0.380	0.384	0.587	0.623

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category*million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)***Included Emissions**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > N2O	0.001	0.002	0.002	0.012	0.017	0.018	0.017	0.016	0.017	0.017	0.025	0.026
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > CH4	0.026	0.025	0.025	0.024	0.022	0.022	0.020	0.018	0.016	0.016	0.014	0.013
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > CO2	5.688	6.412	7.309	8.156	8.481	8.927	9.276	9.382	9.058	9.006	8.672	8.392
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > N2O	0.331	0.324	0.338	0.334	0.317	0.313	0.291	0.279	0.259	0.259	0.240	0.222
1A3biv - Motorcycles	0.231	0.268	0.311	0.343	0.366	0.389	0.410	0.429	0.420	0.423	0.428	0.426
On Road : Light-duty Vehicles : Motorcycles - Ethanol > CH4	0.000	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	0.007	0.011	0.013	0.013	0.014	0.015	0.016	0.025	0.027
On Road : Light-duty Vehicles : Motorcycles - Ethanol > N2O	0.000	0.000	0.000	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.003
On Road : Light-duty Vehicles : Motorcycles - Gasoline > CH4	0.006	0.007	0.008	0.008	0.009	0.009	0.009	0.010	0.009	0.009	0.009	0.009
On Road : Light-duty Vehicles : Motorcycles - Gasoline > CO2	0.208	0.240	0.279	0.301	0.318	0.337	0.355	0.372	0.363	0.366	0.362	0.359
On Road : Light-duty Vehicles : Motorcycles - Gasoline > N2O	0.017	0.020	0.023	0.025	0.026	0.028	0.030	0.031	0.030	0.030	0.029	0.028
1A3c - Railways	1.88	1.89	2.50	2.70	2.91	3.34	3.53	3.17	2.38	1.94	2.33	2.49
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	0.002
Rail - Distillate > CO2	1.870	1.880	2.489	2.695	2.900	3.329	3.516	3.156	2.369	1.938	2.318	2.479
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	0.006
1A3d - Water-borne Navigation	3.39	3.21	3.56	3.77	3.83	4.12	4.20	4.08	3.95	3.66	3.70	3.81
1A3di - International Water-borne Navigation (International Bunkers)	1.123	1.179	1.238	1.299	1.362	1.429	1.480	1.418	1.393	1.212	1.263	1.336
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	0.000
Water-borne : International : Port activities - Distillate > CO2	0.045	0.047	0.049	0.052	0.054	0.057	0.059	0.057	0.057	0.052	0.055	0.059
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	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	0.000
Water-borne : International : Port activities - Residual fuel oil > CO2	0.365	0.385	0.405	0.425	0.447	0.470	0.483	0.456	0.455	0.397	0.409	0.429
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	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	0.000
Water-borne : International : Transit (CA waters) - Distillate > CO2	0.012	0.013	0.014	0.014	0.015	0.016	0.017	0.016	0.016	0.015	0.016	0.017
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	0.000
Water-borne : International : Transit (CA waters) - Residual fuel oil > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Water-borne : International : Transit (CA waters) - Residual fuel oil > CO2	0.697	0.731	0.766	0.803	0.841	0.882	0.916	0.883	0.860	0.744	0.778	0.826
Water-borne : International : Transit (CA waters) - Residual fuel oil > N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
1A3dii - Domestic Water-borne Navigation	2.263	2.033	2.325	2.475	2.471	2.691	2.716	2.658	2.556	2.448	2.437	2.479
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	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	0.039
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	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	0.000
Water-borne - Gasoline > CO2	0.706	0.393	0.595	0.642	0.538	0.653	0.604	0.639	0.576	0.604	0.541	0.528
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	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	0.000
Water-borne : Interstate : Port activities - Distillate > CO2	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.005
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	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	0.000
Water-borne : Interstate : Port activities - Residual fuel oil > CO2	0.049	0.051	0.054	0.056	0.059	0.062	0.064	0.059	0.058	0.049	0.050	0.052

California Environmental Protection Agency

**Included Emissions****California Greenhouse Gas Inventory for 2000-2011 — 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	2011
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	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	0.000
Water-borne : Interstate : Transit (CA waters) - Distillate > CO2	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.003	0.004	0.004
Water-borne : Interstate : Transit (CA waters) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.000
Water-borne : Interstate : Transit (CA waters) - Residual fuel oil > CO2	0.190	0.199	0.209	0.220	0.231	0.242	0.253	0.242	0.237	0.203	0.212	0.224
Water-borne : Interstate : Transit (CA waters) - Residual fuel oil > N2O	0.000	0.000	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 > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Water-borne : Intrastate : Harbor craft - Distillate > CO2	0.729	0.769	0.810	0.854	0.899	0.946	0.982	0.940	0.923	0.928	0.936	0.940
Water-borne : Intrastate : Harbor craft - Distillate > N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
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	0.000
Water-borne : Intrastate : Port activities - Distillate > CO2	0.016	0.017	0.017	0.018	0.019	0.020	0.021	0.020	0.019	0.017	0.018	0.019
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	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	0.000
Water-borne : Intrastate : Port activities - Residual fuel oil > CO2	0.177	0.187	0.196	0.206	0.216	0.226	0.228	0.213	0.209	0.178	0.183	0.190
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	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	0.000
Water-borne : Intrastate : Transit (CA waters) - Distillate > CO2	0.005	0.006	0.006	0.006	0.007	0.007	0.008	0.007	0.007	0.007	0.007	0.007
Water-borne : Intrastate : Transit (CA waters) - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Intrastate : Transit (CA waters) - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water-borne : Intrastate : Transit (CA waters) - Residual fuel oil > CO2	0.374	0.396	0.418	0.442	0.466	0.492	0.515	0.495	0.485	0.418	0.437	0.463
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	0.001
1A3e - Other Transportation	2.63	2.79	2.77	2.84	3.03	3.22	3.32	3.18	2.82	2.25	2.03	2.13
1A3eii - Off-road	2.631	2.790	2.767	2.843	3.029	3.217	3.315	3.176	2.819	2.245	2.033	2.133
Off Road : Airport Ground Support Equipment - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Off Road : Airport Ground Support Equipment - Distillate > CO2	0.033	0.031	0.029	0.029	0.031	0.031	0.031	0.031	0.031	0.028	0.027	0.028
Off Road : Airport Ground Support Equipment - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Off Road : Construction and Mining Equipment - Distillate > CH4	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.002
Off Road : Construction and Mining Equipment - Distillate > CO2	2.292	2.439	2.421	2.490	2.659	2.832	2.922	2.794	2.466	1.942	1.747	1.838
Off Road : Construction and Mining Equipment - Distillate > N2O	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.006	0.005	0.004	0.005
Off Road : Industrial Equipment - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Off Road : Industrial Equipment - Distillate > CO2	0.194	0.206	0.205	0.210	0.225	0.239	0.247	0.236	0.208	0.164	0.147	0.155
Off Road : Industrial Equipment - Distillate > N2O	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000
Off Road : Oil Drilling Equipment - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Off Road : Oil Drilling Equipment - Distillate > CO2	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.104	0.105	0.105	0.105	0.104
Off Road : Oil Drilling Equipment - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A4 - Other Sectors	46.37	46.02	46.39	46.58	47.50	46.75	48.01	47.13	48.13	45.91	47.02	48.37
1A4a - Commercial/Institutional	12.90	13.48	13.12	13.79	13.53	13.94	14.14	14.64	15.19	14.61	14.83	14.87
Communication : Other Message Communications - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Other Message Communications - Natural gas > CO2	0.158	0.156	0.153	0.158	0.164	0.158	0.173	0.173	0.160	0.149	0.128	0.132
Communication : Other Message Communications - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category

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

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Communication : Radio Broadcasting Stations - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Radio Broadcasting Stations - Natural gas > CO ₂	0.009	0.005	0.004	0.008	0.007	0.005	0.007	0.008	0.008	0.007	0.007	0.007
Communication : Radio Broadcasting Stations - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Telephone & Cell Phone Services - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Telephone & Cell Phone Services - Natural gas > CO ₂	0.033	0.030	0.026	0.017	0.015	0.017	0.015	0.010	0.011	0.011	0.013	0.010
Communication : Telephone & Cell Phone Services - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : U.S. Postal Service - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : U.S. Postal Service - Natural gas > CO ₂	0.019	0.020	0.019	0.019	0.015	0.008	0.013	0.017	0.019	0.018	0.016	0.015
Communication : U.S. Postal Service - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Sewerage Systems - Natural gas > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Sewerage Systems - Natural gas > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Sewerage Systems - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Water Supply - Natural gas > CH ₄	0.001	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000
Domestic Utilities : Water Supply - Natural gas > CO ₂	0.282	0.212	0.165	0.401	0.347	0.258	0.324	0.344	0.338	0.321	0.300	0.283
Domestic Utilities : Water Supply - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Education : College - Natural gas > CH ₄	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000
Education : College - Natural gas > CO ₂	0.749	0.649	0.632	0.622	0.620	0.677	0.637	0.645	0.587	0.610	0.615	0.612
Education : College - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Education : School - Natural gas > CH ₄	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000
Education : School - Natural gas > CO ₂	0.640	0.647	0.601	0.567	0.545	0.529	0.602	0.617	0.622	0.566	0.559	0.559
Education : School - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Food Services : Food & Liquor - Natural gas > CH ₄	0.000	0.000	0.000	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000
Food Services : Food & Liquor - Natural gas > CO ₂	0.029	0.215	0.198	0.778	0.646	0.653	0.584	0.578	0.558	0.510	0.486	0.489
Food Services : Food & Liquor - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Food Services : Restaurant - Natural gas > CH ₄	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.001
Food Services : Restaurant - Natural gas > CO ₂	2.127	2.167	2.272	1.729	1.785	1.923	2.145	2.219	2.208	2.033	2.014	2.004
Food Services : Restaurant - Natural gas > N ₂ O	0.001	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 > CH ₄	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.001
Health Care - Natural gas > CO ₂	1.574	1.715	1.646	1.603	1.532	1.604	1.679	1.716	1.730	1.652	1.688	1.714
Health Care - Natural gas > N ₂ O	0.001	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 > CH ₄	0.001	0.002	0.002	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.000
Hotels - Natural gas > CO ₂	0.720	0.805	0.774	0.751	0.721	0.765	0.825	0.864	0.873	0.805	0.814	0.815
Hotels - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.000	0.000
National Security - Natural gas > CH ₄	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
National Security - Natural gas > CO ₂	0.230	0.372	0.207	0.208	0.211	0.207	0.230	0.226	0.208	0.201	0.190	0.198
National Security - Natural gas > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Coal > CH ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Coal > CO ₂	0.049	0.000	0.000	0.000	0.017	0.042	0.003	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Coal > N ₂ O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Distillate > CH ₄	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.003	0.004	0.004	0.005
Not Specified Commercial - Distillate > CO ₂	0.855	0.806	0.795	0.723	0.652	0.882	0.674	0.752	1.050	1.360	1.583	1.604

Included Emissions**California Greenhouse Gas Inventory for 2000-2011 — 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	2011
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	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	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	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	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	0.000
Not Specified Commercial - Gasoline > CO2	0.088	0.090	0.091	0.088	0.087	0.086	0.089	0.090	0.089	0.090	0.088	0.086
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	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	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	0.011
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	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	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	0.550
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	0.002
Not Specified Commercial - Natural gas > CH4	0.006	0.007	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.001
Not Specified Commercial - Natural gas > CO2	2.842	3.323	3.216	3.503	3.360	3.431	3.439	3.461	3.402	3.186	3.172	3.163
Not Specified Commercial - Natural gas > N2O	0.002	0.002	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	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	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	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	0.028	0.028
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	0.006
Offices - Natural gas > CH4	0.002	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.002	0.002	0.002	0.000
Offices - Natural gas > CO2	0.871	0.665	0.656	0.730	0.745	0.768	0.802	0.724	0.831	0.770	0.765	0.767
Offices - Natural gas > N2O	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000
Retail & Wholesale : Refrigerated Warehousing - Natural gas > CO2	0.096	0.131	0.137	0.103	0.103	0.107	0.098	0.100	0.094	0.084	0.084	0.088
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	0.000
Retail & Wholesale : Retail - Natural gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.000
Retail & Wholesale : Retail - Natural gas > CO2	0.562	0.659	0.726	0.731	0.723	0.743	0.822	0.842	0.796	0.814	0.818	0.830
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	0.000
Retail & Wholesale : Warehousing - Natural gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000
Retail & Wholesale : Warehousing - Natural gas > CO2	0.268	0.256	0.262	0.286	0.258	0.291	0.305	0.277	0.270	0.244	0.246	0.241
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	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	0.000
Transportation Services : Airports - Natural gas > CO2	0.097	0.041	0.049	0.053	0.047	0.047	0.081	0.079	0.061	0.057	0.053	0.066
Transportation Services : Airports - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000
Transportation Services : Transportation - Natural gas > CO2	0.099	0.106	0.079	0.068	0.054	0.050	0.053	0.313	0.545	0.525	0.539	0.548
Transportation Services : Transportation - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Water Transportation - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Water Transportation - Natural gas > CO2	0.003	0.004	0.002	0.003	0.002	0.002	0.004	0.005	0.005	0.006	0.007	0.007

California Greenhouse Gas Inventory for 2000-2011 — 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	2011
Transportation Services : Water Transportation - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A4b - Residential	29.65	28.72	28.88	28.41	29.45	28.18	28.54	28.69	29.03	28.65	29.38	29.85
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	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	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	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	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	0.042
Household Use - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.047
Household Use - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	1.960
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	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	0.011
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	27.487
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	0.016
Household Use - Wood (wet) > CH4	0.249	0.239	0.242	0.255	0.262	0.174	0.154	0.166	0.183	0.175	0.170	0.224
Household Use - Wood (wet) > N2O	0.048	0.046	0.047	0.049	0.051	0.034	0.030	0.032	0.035	0.034	0.033	0.043
1A4c - Agriculture/Forestry/Fishing/Fish Farms	3.82	3.83	4.39	4.37	4.52	4.63	5.33	3.80	3.92	2.65	2.81	3.66
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	0.002
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	2.364
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	0.006
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	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	0.043
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	0.000
Ag Energy Use - Gasoline > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Ag Energy Use - Gasoline > CO2	0.307	0.377	0.403	0.402	0.501	0.498	0.544	0.311	0.159	0.161	0.161	0.583
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	0.002
Ag Energy Use - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.002
Ag Energy Use - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	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	0.000
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	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	0.000
Ag Energy Use : Livestock - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.075
Ag Energy Use : Livestock - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category*million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)***Included Emissions**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1B - Fugitive Emissions from Fuels	5.05	4.77	4.84	4.41	4.46	4.95	5.23	5.18	5.21	5.43	5.89	6.65
1B1 - Solid Fuels	0.08	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
CHP: Industrial : Useful Thermal Output > Fuel storage - Coal > CH4	0.038	0.008	0.007	0.008	0.009	0.009	0.009	0.009	0.008	0.010	0.006	0.007
Household Use > Fuel storage - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial > Fuel storage - Coal > CH4	0.017	0.009	0.011	0.009	0.008	0.008	0.008	0.008	0.009	0.005	0.010	0.006
Manufacturing : Stone, Clay, Glass & Cement : Cement > Fuel storage - Coal > CH4	0.013	0.013	0.013	0.013	0.013	0.013	0.012	0.011	0.009	0.006	0.006	0.006
Manufacturing > Fuel storage - Coal > CH4	0.006	0.006	0.006	0.007	0.006	0.007	0.006	0.007	0.007	0.007	0.008	0.008
Not Specified Commercial > Fuel storage - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1B2 - Oil and Natural Gas	3.74	3.51	3.59	3.16	3.20	3.68	3.98	3.92	3.98	3.99	4.71	5.36
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	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	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	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	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	0.037
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	0.014
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	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	0.003
Manufacturing : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.099
Oil & Gas Extraction : Petroleum Gas Seeps : Fugitives > Fugitive emissions > CH4	0.347	0.454	0.464	0.464	0.493	0.493	0.493	0.521	0.521	0.521	0.521	0.521
Oil & Gas Extraction : Process Losses : Fugitives > Fugitive emissions > CH4	0.309	0.277	0.231	0.250	0.229	0.230	0.228	0.224	0.220	0.219	0.210	0.288
Oil & Gas Extraction : Process Losses : Fugitives > Fugitive emissions > CO2	0.287	0.257	0.214	0.232	0.212	0.213	0.211	0.207	0.204	0.203	0.195	0.267
Oil & Gas Extraction : Process Losses : Fugitives > Fugitive emissions > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.088
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	0.002
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	0.002
1B2a - Oil	0.47	0.45	0.46	0.45	0.43	0.46	0.47	0.46	0.45	0.44	0.48	0.51
1B2ai - Venting	0.063	0.065	0.065	0.066	0.065	0.067	0.068	0.068	0.067	0.062	0.049	0.064
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	0.043
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	0.021
1B2aii - Flaring	0.056	0.058	0.058	0.059	0.058	0.060	0.061	0.060	0.060	0.055	0.055	0.126
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	0.007
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	0.120
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	0.000
1B2aiii - All Other	0.348	0.326	0.332	0.327	0.313	0.330	0.337	0.334	0.327	0.318	0.375	0.320
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	0.010
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	0.001
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	0.309
1B2b - Natural Gas	2.13	1.79	2.06	1.60	1.63	2.10	2.33	2.33	2.35	2.37	3.06	3.52
Pipelines : Natural Gas : Fugitives > Fugitive emissions > CH4	2.124	1.784	2.053	1.599	1.630	2.099	2.331	2.325	2.343	2.364	3.051	3.512

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category

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

Included Emissions

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Pipelines : Natural Gas : Fugitives > Fugitive emissions > CO ₂	0.003	0.002	0.003	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.004	0.005

1B3 - Geothermal Energy Production

Imported Electricity : Specified Imports : Nevada : Caithness Dixie Valley (NV) > Electricity generation - Primarily Geothermal > CO ₂	0.076	0.073	0.075	0.070	0.080	0.081	0.079	0.076	0.061	0.070	0.064	0.036
Imported Electricity : Specified Imports : Utah : Blundell (UT) > Electricity generation - Primarily Geothermal > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.001	0.000
Imported Electricity : Specified Imports : Utah : Thermo No. 1 Raser (UT) > Electricity generation - Primarily Geothermal > CO ₂	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned > Geothermal power - Geothermal > CH ₄										0.000	0.000	0.074
In State Generation : Merchant Owned > Geothermal power - Geothermal > CO ₂	1.050	1.039	1.014	1.018	1.028	1.031	1.011	1.025	1.019	1.227	1.024	1.086
In State Generation : Merchant Owned > Geothermal power - Geothermal > N ₂ O										0.000	0.000	
In State Generation : Utility Owned > Geothermal power - Geothermal > CO ₂	0.000	0.000	0.016	0.014	0.014	0.013	0.013	0.013	0.013	0.013	0.013	0.013

1B4 - Pollution control devices

In State Generation : CHP: Industrial > Acid gas control > CO ₂	0.084	0.082	0.083	0.081	0.081	0.083	0.084	0.082	0.077	0.073	0.023	0.023
In State Generation : Merchant Owned > Acid gas control > CO ₂	0.028	0.028	0.028	0.027	0.028	0.028	0.029	0.028	0.026	0.025	0.033	0.031

2 - Industrial Processes and Product Use

2A - Mineral Industry	5.51	5.58	5.66	5.74	5.84	5.92	5.86	5.61	5.33	3.63	3.49	4.11
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2A1 - Cement Production

Manufacturing : Stone, Clay, Glass & Cement : Cement > Clinker production > CO ₂	5.433	5.517	5.601	5.684	5.768	5.852	5.797	5.551	5.285	3.601	3.458	4.076
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2A2 - Lime Production

Manufacturing : Stone, Clay, Glass & Cement : Lime > Lime production > CO ₂	0.072	0.068	0.059	0.058	0.076	0.072	0.066	0.055	0.044	0.029	0.032	0.039
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2B - Chemical Industry

2B2 - Nitric Acid Production

Manufacturing : Chemicals & Allied Products : Nitric Acid > Nitric acid production > N ₂ O	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.031
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2D - Non-Energy Products from Fuels and Solvent Use

2D1 - Lubricant Use

Not Specified Industrial > Fuel consumption - Lubricants > CO ₂	0.897	0.822	0.812	0.751	0.761	0.757	0.737	0.761	0.707	0.635	0.706	0.670
Not Specified Transportation > Fuel consumption - Lubricants > CO ₂	1.196	1.096	1.083	1.001	1.014	1.009	0.983	1.015	0.942	0.847	0.941	0.893

2D3 - Solvent Use

Solvents & Chemicals : Evaporative losses : Fugitives > Fugitive emissions > CO ₂	0.364	0.316	0.233	0.275	0.210	0.204	0.224	0.225	0.227	0.211	0.219	0.207
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2E - Electronics Industry

Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C ₂ F ₆	0.214	0.153	0.161	0.151	0.149	0.144	0.160	0.173	0.171	0.125	0.189	0.170
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C ₃ F ₈	0.097	0.076	0.054	0.076	0.032	0.027	0.027	0.032	0.070	0.027	0.027	0.032
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C ₄ F ₈	0.000	0.000	0.005	0.007	0.007	0.010	0.010	0.005	0.005	0.003	0.003	0.003

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category

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

Included Emissions

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > CF ₄	0.084	0.060	0.052	0.048	0.051	0.050	0.054	0.061	0.064	0.050	0.077	0.075
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > HFC-23	0.012	0.007	0.007	0.008	0.008	0.009	0.011	0.012	0.013	0.010	0.016	0.015
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > NF ₃	0.004	0.005	0.013	0.012	0.012	0.010	0.016	0.012	0.013	0.013	0.013	0.015
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > SF ₆	0.048	0.033	0.030	0.038	0.038	0.043	0.043	0.038	0.039	0.031	0.045	0.042

2F - Product Uses as Substitutes for Ozone Depleting Substances

	6.30	6.44	6.61	7.22	7.93	8.65	9.25	9.89	10.83	11.92	13.52	14.57
Not Specified Commercial > Use of substitutes for ozone depleting substances - Aerosols > HFC-134a	0.814	0.668	0.518	0.481	0.442	0.401	0.357	0.310	0.283	0.261	0.237	0.236
Not Specified Commercial > Use of substitutes for ozone depleting substances - Aerosols > Other ODS substitutes	0.027	0.049	0.070	0.079	0.088	0.097	0.106	0.116	0.125	0.131	0.138	0.140
Not Specified Commercial > Use of substitutes for ozone depleting substances - Fire Protection > CF ₄	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial > Use of substitutes for ozone depleting substances - Fire Protection > HFC-125	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003
Not Specified Commercial > Use of substitutes for ozone depleting substances - Fire Protection > HFC-236fa	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Not Specified Commercial > Use of substitutes for ozone depleting substances - Fire Protection > Other ODS substitutes	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003
Not Specified Commercial > Use of substitutes for ozone depleting substances - Foams > HFC-134a	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.040	0.058
Not Specified Commercial > Use of substitutes for ozone depleting substances - Foams > Other ODS substitutes	0.001	0.004	0.007	0.010	0.012	0.014	0.015	0.016	0.021	0.028	0.022	0.017
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-125	0.226	0.305	0.400	0.507	0.645	0.785	0.942	1.103	1.276	1.490	1.775	1.979
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-134a	0.322	0.385	0.449	0.521	0.608	0.690	0.781	0.882	0.994	1.133	1.304	1.454
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-143a	0.324	0.421	0.534	0.657	0.821	0.985	1.162	1.346	1.540	1.759	2.030	2.160
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-236fa	0.031	0.033	0.036	0.039	0.042	0.044	0.046	0.048	0.050	0.052	0.053	0.055
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-32	0.003	0.006	0.011	0.017	0.023	0.031	0.040	0.049	0.059	0.075	0.099	0.126
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > Other ODS substitutes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Industrial > Use of substitutes for ozone depleting substances - Aerosols > HFC-134a	0.111	0.091	0.071	0.066	0.060	0.055	0.049	0.042	0.039	0.036	0.032	0.032
Not Specified Industrial > Use of substitutes for ozone depleting substances - Aerosols > Other ODS substitutes	0.008	0.015	0.022	0.024	0.027	0.030	0.033	0.036	0.038	0.040	0.043	0.043
Not Specified Industrial > Use of substitutes for ozone depleting substances - Fire Protection > CF ₄	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Industrial > Use of substitutes for ozone depleting substances - Fire Protection > HFC-125	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
Not Specified Industrial > Use of substitutes for ozone depleting substances - Fire Protection > HFC-236fa	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Industrial > Use of substitutes for ozone depleting substances - Fire Protection > Other ODS substitutes	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
Not Specified Industrial > Use of substitutes for ozone depleting substances - Foams > HFC-134a	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.043	0.231	0.334
Not Specified Industrial > Use of substitutes for ozone depleting substances - Foams > Other ODS substitutes	0.004	0.014	0.028	0.039	0.047	0.055	0.059	0.063	0.083	0.114	0.088	0.069
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-125	0.058	0.073	0.092	0.112	0.139	0.166	0.195	0.224	0.256	0.290	0.344	0.372
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-134a	0.244	0.292	0.335	0.388	0.443	0.519	0.570	0.625	0.700	0.773	0.846	0.884
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-143a	0.087	0.111	0.137	0.166	0.205	0.244	0.283	0.323	0.368	0.414	0.476	0.497

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category

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

Included Emissions

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-236fa	0.009	0.010	0.011	0.012	0.013	0.013	0.014	0.014	0.015	0.016	0.016	0.017
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-32	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.003	0.004	0.007	0.010
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > Other ODS substitutes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Industrial > Use of substitutes for ozone depleting substances - Solvents > CF ₄	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
Not Specified Industrial > Use of substitutes for ozone depleting substances - Solvents > Other ODS substitutes	0.023	0.020	0.026	0.026	0.026	0.026	0.027	0.027	0.027	0.027	0.027	0.028
Not Specified Residential > Use of substitutes for ozone depleting substances - Aerosols > HFC-134a	1.751	1.537	1.317	1.274	1.226	1.149	1.067	0.979	0.962	0.954	0.943	0.981
Not Specified Residential > Use of substitutes for ozone depleting substances - Aerosols > Other ODS substitutes	0.177	0.314	0.455	0.510	0.567	0.626	0.687	0.751	0.805	0.849	0.894	0.906
Not Specified Residential > Use of substitutes for ozone depleting substances - Foams > HFC-134a	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.097	0.140
Not Specified Residential > Use of substitutes for ozone depleting substances - Foams > Other ODS substitutes	0.001	0.004	0.008	0.011	0.014	0.016	0.017	0.018	0.024	0.033	0.026	0.020
Not Specified Residential > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-125	0.000	0.003	0.013	0.023	0.040	0.062	0.089	0.124	0.159	0.201	0.403	0.601
Not Specified Residential > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-134a	0.002	0.002	0.003	0.003	0.003	0.006	0.010	0.012	0.015	0.019	0.026	0.034
Not Specified Residential > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-32	0.000	0.001	0.003	0.005	0.009	0.014	0.021	0.029	0.037	0.047	0.093	0.139
Not Specified Transportation > Use of substitutes for ozone depleting substances - Aerosols > HFC-134a	1.110	0.910	0.706	0.657	0.603	0.547	0.486	0.423	0.386	0.355	0.323	0.322
Not Specified Transportation > Use of substitutes for ozone depleting substances - Aerosols > Other ODS substitutes	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Not Specified Transportation > Use of substitutes for ozone depleting substances - Foams > Other ODS substitutes	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Transportation > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-125	0.009	0.011	0.014	0.016	0.019	0.023	0.027	0.030	0.037	0.039	0.039	0.040
Not Specified Transportation > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-134a	0.935	1.138	1.314	1.541	1.756	2.003	2.110	2.234	2.451	2.638	2.794	2.794
Not Specified Transportation > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-143a	0.014	0.017	0.022	0.025	0.030	0.037	0.043	0.049	0.060	0.063	0.063	0.064
Not Specified Transportation > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-32	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2G - Other Product Manufacture and Use	0.97	0.87	0.94	0.88	0.92	0.91	0.97	0.99	0.98	0.89	0.94	0.89
2G1 - Electrical Equipment	0.35	0.34	0.32	0.31	0.31	0.31	0.29	0.27	0.28	0.27	0.25	0.25
2G1b - Use of Electrical Equipment	0.35	0.34	0.32	0.31	0.31	0.31	0.29	0.27	0.28	0.27	0.25	0.25
Imported Electricity : Transmission and Distribution > Electricity transmitted > SF6	0.094	0.103	0.113	0.105	0.108	0.102	0.087	0.092	0.098	0.089	0.081	0.084
In State Generation : Transmission and Distribution > Electricity transmitted > SF6	0.253	0.237	0.204	0.204	0.202	0.204	0.205	0.183	0.182	0.182	0.173	0.169
2G4 - CO₂, Limestone or Soda Ash consumption	0.62	0.53	0.62	0.57	0.61	0.61	0.68	0.71	0.70	0.62	0.69	0.64
Not Specified Industrial > CO ₂ consumption > CO ₂	0.169	0.097	0.121	0.159	0.147	0.161	0.208	0.227	0.216	0.216	0.266	0.218
Not Specified Industrial > Limestone and dolomite consumption > CO ₂	0.132	0.120	0.184	0.106	0.141	0.125	0.165	0.183	0.186	0.158	0.163	0.160
Not Specified Industrial > Soda ash consumption > CO ₂	0.321	0.317	0.315	0.308	0.319	0.322	0.307	0.304	0.295	0.248	0.260	0.261
2H - Other	3.31	3.35	3.39	3.33	3.31	3.34	3.58	3.67	3.67	3.27	3.36	4.63
2H3 - Hydrogen Production	3.31	3.35	3.39	3.33	3.31	3.34	3.58	3.67	3.67	3.27	3.36	4.63
Petroleum Refining : Transformation > Fuel consumption - Natural gas > CO ₂	1.712	1.782	1.808	1.776	1.766	1.785	1.913	1.965	1.965	1.894	1.185	1.444

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category

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

Included Emissions

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
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	0.000
Petroleum Refining : Transformation > Fuel consumption - Refinery gas > CO2	1.594	1.563	1.580	1.551	1.543	1.554	1.666	1.701	1.701	1.377	2.176	3.188
3 - Agriculture, Forestry and Other Land Use	25.22	25.40	28.00	28.46	28.05	28.18	28.62	29.15	29.96	29.04	28.87	28.58
3A - Livestock	16.49	17.16	17.69	18.18	17.68	18.32	18.68	19.92	20.22	20.05	19.60	19.62
3A1 - Enteric Fermentation	8.32	8.48	8.72	8.84	8.76	9.05	9.14	9.70	9.67	9.52	9.36	9.34
3A1a - Cattle	8.02	8.18	8.41	8.50	8.40	8.66	8.74	9.31	9.28	9.11	8.96	8.93
3A1ai - Dairy Cows	5.372	5.562	5.803	5.914	5.855	6.039	6.203	6.554	6.660	6.592	6.448	6.477
Livestock population - Dairy cows > CH4	4.425	4.584	4.798	4.895	4.921	5.064	5.201	5.509	5.612	5.566	5.466	5.488
Livestock population - Dairy replacements 0-12 months > CH4	0.208	0.213	0.221	0.220	0.206	0.217	0.219	0.230	0.229	0.227	0.215	0.215
Livestock population - Dairy replacements 12-24 months > CH4	0.739	0.765	0.784	0.799	0.727	0.758	0.783	0.815	0.819	0.799	0.767	0.774
3A1aii - Other Cattle	2.650	2.614	2.606	2.590	2.542	2.616	2.535	2.752	2.619	2.518	2.507	2.454
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	1.266
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	0.035
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	0.096
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	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	0.144	0.146
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	0.144
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	0.259	0.257
Livestock population - Steer stockers > CH4	0.423	0.408	0.414	0.379	0.386	0.405	0.374	0.419	0.393	0.396	0.376	0.357
3A1c - Sheep	0.14	0.14	0.13	0.12	0.11	0.12	0.11	0.10	0.10	0.11	0.10	0.10
Livestock population - Sheep > CH4	0.136	0.135	0.127	0.123	0.113	0.116	0.109	0.102	0.104	0.111	0.102	0.101
3A1d - Goats	0.01	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	0.015
3A1f - Horses	0.15	0.16	0.17	0.20	0.23	0.26	0.27	0.27	0.27	0.28	0.29	0.29
Livestock population - Horses > CH4	0.150	0.158	0.172	0.201	0.230	0.264	0.273	0.273	0.273	0.281	0.287	0.291
3A1h - Swine	0.00	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	0.003
3A2 - Manure Management	8.17	8.68	8.96	9.33	8.92	9.27	9.54	10.22	10.55	10.53	10.24	10.28
3A2a - Cattle	7.83	8.35	8.62	9.00	8.60	8.94	9.22	9.89	10.26	10.22	9.93	9.97
3A2ai - Dairy Cows	7.500	8.015	8.260	8.609	8.228	8.548	8.803	9.474	9.848	9.833	9.555	9.597
Anaerobic digester > Livestock population - Dairy cows > CH4	0.001	0.002	0.004	0.014	0.015	0.044	0.031	0.092	0.071	0.033	0.034	0.036
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	0.007
Anaerobic lagoon > Livestock population - Dairy cows > CH4	5.396	5.799	6.018	6.263	6.025	6.279	6.404	6.932	7.301	7.323	7.170	7.190
Anaerobic lagoon > Livestock population - Dairy cows > N2O	0.301	0.314	0.330	0.338	0.331	0.338	0.349	0.344	0.345	0.348	0.340	0.341
Daily spread > Livestock population - Dairy cows > CH4	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.009
Daily spread > Livestock population - Dairy cows > N2O	0.013	0.014	0.014	0.014	0.014	0.014	0.015	0.015	0.015	0.014	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	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	0.003
Deep pit > Livestock population - Dairy cows > CH4	0.010	0.011	0.011	0.010	0.009	0.008	0.007	0.006	0.006	0.006	0.006	0.006

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category*million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)***Included Emissions**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
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	0.001
Dry lot > Livestock population - Dairy heifers > CH4	0.027	0.028	0.029	0.029	0.026	0.028	0.028	0.031	0.031	0.030	0.029	0.029
Dry lot > Livestock population - Dairy heifers > N2O	0.499	0.517	0.533	0.543	0.487	0.509	0.525	0.521	0.507	0.497	0.476	0.480
Liquid/slurry > Livestock population - Dairy cows > CH4	0.908	0.973	0.949	1.016	0.949	0.944	1.047	1.120	1.168	1.181	1.096	1.108
Liquid/slurry > Livestock population - Dairy cows > N2O	0.192	0.195	0.199	0.201	0.197	0.198	0.215	0.210	0.208	0.212	0.207	0.208
Liquid/slurry > Livestock population - Dairy heifers > CH4	0.006	0.007	0.007	0.007	0.006	0.006	0.007	0.007	0.007	0.007	0.006	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	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	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	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	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	0.000
Solid storage > Livestock population - Dairy cows > CH4	0.047	0.049	0.052	0.053	0.052	0.053	0.055	0.060	0.061	0.061	0.060	0.060
Solid storage > Livestock population - Dairy cows > N2O	0.084	0.088	0.093	0.095	0.093	0.095	0.097	0.098	0.096	0.096	0.094	0.094
3A2aii - Other Cattle	0.333	0.337	0.365	0.393	0.375	0.393	0.414	0.418	0.408	0.387	0.377	0.376
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	0.007
Dry lot > Livestock population - Feedlot - heifers 500+ lbs > N2O	0.081	0.083	0.091	0.099	0.095	0.099	0.106	0.103	0.101	0.095	0.092	0.094
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	0.013
Dry lot > Livestock population - Feedlot - steers 500+ lbs > N2O	0.146	0.148	0.167	0.184	0.173	0.182	0.197	0.194	0.191	0.182	0.175	0.174
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	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	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	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	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	0.040
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	0.000
Pasture > Livestock population - Not on feed - bulls 500+ lbs > CH4	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
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	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	0.018
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	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	0.008
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	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	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	0.000
3A2c - Sheep	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.03	0.03
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	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	0.023
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	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	0.000
3A2d - Goats	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	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	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	0.001

California Greenhouse Gas Inventory for 2000-2011 — 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	2011
3A2f - Horses	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	0.000
		0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.07	0.08	0.08	0.08
	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	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	0.025	0.025	0.026
	Pasture > Livestock population - Horses > CH4	0.038	0.038	0.040	0.045	0.048	0.053	0.052	0.049	0.046	0.047	0.048	0.049
3A2h - Swine	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	0.000
		0.05	0.04	0.06	0.05	0.06	0.05	0.05	0.06	0.03	0.04	0.04	0.04
	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	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	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	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	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	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	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	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	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	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	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	0.003
	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	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	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	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	0.007
	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	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	0.011
	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	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	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	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	0.001
	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	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	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	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	0.002
	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	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	0.003
	Deep pit > Livestock population - Swine - market 180+ lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	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	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	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	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	0.000

California Greenhouse Gas Inventory for 2000-2011 — 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	2011
Liquid/slurry > Livestock population - Swine - market 120-179 lbs > CH4	0.001	0.000	0.001	0.001	0.001	0.001	0.000	0.001	0.000	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.000
3A2i - Poultry	0.19	0.19	0.18	0.17	0.15	0.15	0.15	0.16	0.16	0.15	0.15	0.15
Anaerobic lagoon > Livestock population - Hens 1+ yr > CH4	0.078	0.079	0.075	0.069	0.062	0.064	0.063	0.068	0.066	0.064	0.062	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	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	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	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	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	0.001
Pasture > Livestock population - Broilers > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	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	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	0.004
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	0.006
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	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	0.013

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category

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

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Poultry without bedding > Livestock population - Hens 1+ yr > CH ₄	0.012	0.012	0.011	0.010	0.009	0.009	0.009	0.010	0.010	0.009	0.009	0.009
Poultry without bedding > Livestock population - Hens 1+ yr > N ₂ O	0.022	0.022	0.021	0.019	0.018	0.019	0.019	0.020	0.020	0.019	0.019	0.019
Poultry without bedding > Livestock population - Other chickens > CH ₄	0.000	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 > N ₂ O	0.000	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 > CH ₄	0.003	0.002	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 > N ₂ O	0.005	0.005	0.004	0.005	0.004	0.004	0.003	0.004	0.004	0.004	0.005	0.005
3C - Aggregate Sources and Non-CO₂ Emissions Sources on Land	8.73	8.24	10.31	10.29	10.37	9.86	9.95	9.22	9.74	9.00	9.27	8.96
3C1 - Emissions from Biomass Burning	0.08	0.06	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.07	0.07	0.08
3C1b - Biomass Burning in Croplands	0.08	0.06	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.07	0.07	0.08
Crop acreage burned - Almond > CH ₄	0.008	0.008	0.009	0.009	0.009	0.009	0.010	0.010	0.011	0.011	0.012	0.012
Crop acreage burned - Almond > N ₂ O	0.020	0.021	0.022	0.022	0.023	0.024	0.024	0.025	0.027	0.029	0.029	0.030
Crop acreage burned - Barley > CH ₄	0.000	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 > N ₂ O	0.000	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 > CH ₄	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.001	0.001	0.001	0.001
Crop acreage burned - Corn > N ₂ O	0.001	0.001	0.001	0.000	0.001	0.000	0.000	0.001	0.001	0.001	0.001	0.001
Crop acreage burned - Rice > CH ₄	0.006	0.003	0.003	0.003	0.003	0.003	0.002	0.004	0.002	0.003	0.002	0.002
Crop acreage burned - Rice > N ₂ O	0.025	0.012	0.012	0.012	0.011	0.014	0.009	0.014	0.010	0.010	0.009	0.010
Crop acreage burned - Walnut > CH ₄	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005
Crop acreage burned - Walnut > N ₂ O	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.009
Crop acreage burned - Wheat > CH ₄	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.002	0.003	0.003	0.003	0.003
Crop acreage burned - Wheat > N ₂ O	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.003
3C2 - Liming	0.27	0.16	0.23	0.24	0.24	0.30	0.48	0.26	0.17	0.17	0.18	0.17
Dolomite applied to soils > CO ₂	0.003	0.001	0.002	0.002	0.008	0.007	0.002	0.001	0.001	0.001	0.003	0.002
Limestone applied to soils > CO ₂	0.263	0.161	0.231	0.236	0.227	0.291	0.483	0.255	0.170	0.168	0.174	0.170
3C4 - Direct N₂O Emissions from Managed Soils	6.06	5.84	7.30	7.29	7.32	6.91	6.84	6.44	6.92	6.31	6.52	6.27
Drained histosols > N ₂ O	0.155	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 > N ₂ O	0.044	0.013	0.021	0.028	0.011	0.016	0.010	0.004	0.014	0.029	0.000	0.001
Nitrogen applied in fertilizer - Synthetic fertilizers > N ₂ O	2.951	2.716	4.089	4.043	4.060	3.644	3.550	3.282	3.767	3.234	3.515	3.245
Nitrogen in crop residues > N ₂ O	0.369	0.371	0.401	0.393	0.470	0.374	0.370	0.397	0.443	0.413	0.406	0.416
Nitrogen in managed manure > N ₂ O	1.034	1.068	1.113	1.137	1.090	1.121	1.158	1.163	1.140	1.129	1.101	1.101
Nitrogen in unmanaged manure - Cattle, swine, poultry > N ₂ O	1.384	1.392	1.399	1.398	1.381	1.432	1.426	1.277	1.238	1.187	1.174	1.179
Nitrogen in unmanaged manure - Sheep, goat, horse > N ₂ O	0.119	0.121	0.126	0.138	0.150	0.166	0.166	0.162	0.160	0.165	0.166	0.168
3C5 - Indirect N₂O Emissions from Managed Soils	1.76	1.69	2.16	2.17	2.14	2.04	2.02	1.90	2.05	1.87	1.93	1.84
Nitrogen applied in fertilizer - Organic fertilizers > N ₂ O	0.019	0.006	0.009	0.012	0.005	0.007	0.004	0.002	0.006	0.013	0.000	0.000
Nitrogen applied in fertilizer - Synthetic fertilizers > N ₂ O	0.959	0.883	1.329	1.314	1.320	1.184	1.154	1.067	1.224	1.051	1.142	1.055
Nitrogen in managed manure > N ₂ O	0.439	0.454	0.473	0.483	0.463	0.476	0.492	0.494	0.485	0.480	0.468	0.468
Nitrogen in unmanaged manure - Cattle, swine, poultry > N ₂ O	0.294	0.296	0.297	0.297	0.293	0.304	0.303	0.271	0.263	0.252	0.249	0.251
Nitrogen in unmanaged manure - Sheep, goat, horse > N ₂ O	0.051	0.051	0.053	0.059	0.064	0.070	0.071	0.069	0.068	0.070	0.071	0.071

California Greenhouse Gas Inventory for 2000-2011 — by IPCC Category*million tonnes of CO2 equivalent - (based upon IPCC Second Assessment Report's Global Warming Potentials)***Included Emissions**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
3C7 - Rice Cultivations	0.57	0.49	0.55	0.53	0.61	0.55	0.54	0.55	0.54	0.58	0.57	0.60
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	0.601
4 - Waste	8.37	8.46	8.40	8.51	8.55	8.68	8.73	8.78	8.90	9.01	9.13	9.18
4A - Solid Waste Disposal	6.02	6.12	6.06	6.16	6.15	6.29	6.31	6.35	6.46	6.56	6.68	6.73
4A1 - Managed Waste Disposal Sites	6.02	6.12	6.06	6.16	6.15	6.29	6.31	6.35	6.46	6.56	6.68	6.73
Landfills > Landfill gas generation - Landfill gas > CH4	6.024	6.122	6.054	6.157	6.152	6.284	6.306	6.348	6.461	6.560	6.676	6.725
Landfills > Landfill gas generation - 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	0.001
4B - Biological Treatment of Solid Waste	0.12	0.13	0.15	0.16	0.17	0.19	0.20	0.22	0.23	0.25	0.26	0.27
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	0.207
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	0.067
4D - Wastewater Treatment and Discharge	2.23	2.20	2.20	2.19	2.22	2.21	2.21	2.21	2.20	2.20	2.19	2.18
4D1 - Domestic Wastewater Treatment and Discharge	1.47	1.49	1.47	1.47	1.47	1.47	1.47	1.46	1.46	1.45	1.45	1.44
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	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	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	0.316
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	0.754
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	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	0.308
4D2 - Industrial Wastewater Treatment and Discharge	0.75	0.71	0.73	0.72	0.75	0.73	0.75	0.75	0.74	0.75	0.74	0.74
Manufacturing : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil & Gas Extraction : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Marketing : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	0.004
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	0.045
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	0.044
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	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	0.040
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	0.495	0.495
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	0.049
Wastewater Treatment : Industrial Wastewater > Production processed - Wine grapes > CH4	0.005	0.004	0.005	0.004	0.004	0.006	0.005	0.005	0.004	0.005	0.005	0.005
Wastewater Treatment : Industrial Wastewater > Wastewater flow - Petroleum Refining > CH4	0.056	0.056	0.058	0.058	0.059	0.060	0.060	0.059	0.060	0.057	0.058	0.058
Summary for Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Gross California Emissions	462.90	478.36	475.82	479.08	489.18	482.09	479.18	485.54	483.22	454.69	449.59	448.11

California Greenhouse Gas Inventory for 2000-2011 — 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	2011
1 - Energy	54.76	48.39	53.11	47.30	51.26	54.11	56.31	59.20	55.42	54.79	54.53	49.98
1A - Fuel Combustion Activities	54.76	48.39	53.11	47.30	51.26	54.11	56.31	59.20	55.42	54.79	54.53	49.98
1A3 - Transport	50.95	44.03	48.98	43.13	47.37	50.69	53.20	56.28	52.65	52.08	51.37	46.99
1A3a - Civil Aviation	35.19	32.52	35.20	33.81	36.19	35.85	36.80	38.46	34.88	34.21	33.51	34.01
1A3ai - International Aviation (International Bunkers)	16.799	15.176	15.727	14.559	15.784	16.192	16.835	17.551	16.625	16.473	16.208	17.054
Aviation : International Civil Aviation - Jet fuel > CH4	0.003	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.002	0.003
Aviation : International Civil Aviation - Jet fuel > CO2	16.647	15.038	15.584	14.427	15.641	16.045	16.682	17.392	16.474	16.323	16.061	16.899
Aviation : International Civil Aviation - Jet fuel > N2O	0.150	0.136	0.140	0.130	0.141	0.145	0.150	0.157	0.148	0.147	0.145	0.152
1A3aii - Domestic Aviation	18.395	17.339	19.473	19.251	20.402	19.656	19.964	20.906	18.256	17.739	17.303	16.954
Aviation : Domestic Air transport : Interstate - Jet fuel > CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Aviation : Domestic Air transport : Interstate - Jet fuel > CO2	18.228	17.182	19.296	19.076	20.217	19.478	19.782	20.716	18.090	17.578	17.145	16.800
Aviation : Domestic Air transport : Interstate - Jet fuel > N2O	0.164	0.155	0.174	0.172	0.182	0.176	0.178	0.187	0.163	0.158	0.155	0.151
1A3d - Water-borne Navigation	15.75	11.51	13.78	9.32	11.19	14.84	16.40	17.82	17.77	17.87	17.85	12.98
1A3di - International Water-borne Navigation (International Bunkers)	15.754	11.513	13.780	9.316	11.186	14.845	16.400	17.818	17.767	17.871	17.855	12.980
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	0.001
Water-borne : International Marine Bunker Fuel - Distillate > CO2	0.908	0.439	0.485	0.406	0.327	1.208	1.122	0.930	0.689	1.350	0.724	0.962
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	0.002
Water-borne : International Marine Bunker Fuel - Residual fuel oil > CH4	0.012	0.009	0.011	0.007	0.009	0.011	0.013	0.014	0.014	0.014	0.014	0.010
Water-borne : International Marine Bunker Fuel - Residual fuel oil > CO2	14.794	11.036	13.249	8.879	10.822	13.588	15.224	16.829	17.019	16.462	17.072	11.975
Water-borne : International Marine Bunker Fuel - Residual fuel oil > N2O	0.037	0.027	0.033	0.022	0.027	0.034	0.038	0.042	0.042	0.041	0.042	0.030
1A5 - Non-Specified	3.81	4.36	4.13	4.18	3.88	3.41	3.11	2.93	2.77	2.70	3.16	2.99
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	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	0.406
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	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	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	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	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	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	0.023
Summary for Excluded Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
International and Interstate Emissions	54.76	48.39	53.11	47.30	51.26	54.11	56.31	59.20	55.42	54.79	54.53	49.98

California Greenhouse Gas Inventory for 2000-2011 — 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	2011
1 - Energy	16.22	16.39	14.65	14.98	14.95	14.17	13.78	13.67	13.62	14.12	13.43	15.22
1A - Fuel Combustion Activities	16.22	16.39	14.65	14.98	14.95	14.17	13.78	13.67	13.62	14.12	13.43	15.22
1A1 - Energy Industries	8.39	8.21	8.02	8.22	8.09	8.50	8.65	8.31	8.30	9.03	8.34	9.40
1A1a - Main Activity Electricity and Heat Production	8.39	8.21	8.02	8.22	8.09	8.50	8.65	8.31	8.30	9.03	8.34	9.40
1A1ai - Electricity Generation	5.249	4.790	5.687	5.638	5.414	5.530	5.670	5.343	5.513	6.738	6.323	6.763
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	4.371	4.837
In State Generation : Merchant Owned - Digester gas > CO2	0.020	0.021	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.112	0.004	0.057
In State Generation : Merchant Owned - Landfill gas > CO2	0.923	0.951	0.797	0.786	0.865	0.818	0.941	0.884	0.916	1.012	1.056	1.096
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	0.241
In State Generation : Merchant Owned - Tires > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
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	0.000
In State Generation : Utility Owned - Digester gas > CO2	0.000	0.066	0.073	0.116	0.087	0.114	0.115	0.116	0.115	0.170	0.149	0.383
In State Generation : Utility Owned - Landfill gas > CO2	0.000	0.040	0.049	0.051	0.048	0.056	0.058	0.061	0.062	0.131	0.224	0.149
1A1aii - Combined Heat and Power Generation (CHP)	3.137	3.419	2.338	2.581	2.679	2.966	2.983	2.968	2.783	2.290	2.018	2.638
CHP: Commercial : Useful Thermal Output - Digester gas > CO2	0.017	0.008	0.008	0.008	0.026	0.038	0.041	0.055	0.047	0.050	0.001	0.029
CHP: Commercial : Useful Thermal Output - Landfill gas > CO2	0.004	0.000	0.000	0.000	0.000	0.011	0.020	0.013	0.011	0.006	0.006	0.052
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	1.019	1.191
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	0.010	0.039	0.003
CHP: Industrial : Useful Thermal Output - Landfill gas > CO2	0.009	0.000	0.000	0.000	0.000	0.003	0.005	0.000	0.000	0.000	0.002	0.000
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	0.063
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	0.002
In State Generation : CHP: Commercial - Digester gas > CO2	0.119	0.051	0.081	0.154	0.154	0.168	0.157	0.140	0.138	0.042	0.003	0.077
In State Generation : CHP: Commercial - Landfill gas > CO2	0.014	0.000	0.000	0.000	0.000	0.018	0.018	0.015	0.015	0.011	0.007	0.044
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	0.728	0.931
In State Generation : CHP: Industrial - Digester gas > CO2	0.000	0.004	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.061	0.135	0.002
In State Generation : CHP: Industrial - Landfill gas > CO2	0.046	0.053	0.055	0.026	0.028	0.030	0.031	0.029	0.032	0.007	0.077	0.007
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	0.237
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	0.001
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	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	0.001
1A2 - Manufacturing Industries and Construction	3.78	4.25	2.64	2.57	2.60	2.86	2.61	2.65	2.37	2.25	2.31	2.30
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	0.09
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	0.054
Manufacturing : Stone, Clay, Glass & Cement : Cement - MSW > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.032
1A2m - Non-specified Industry.	3.72	4.19	2.57	2.50	2.53	2.78	2.56	2.59	2.32	2.18	2.21	2.21
Not Specified Industrial - Wood (wet) > CO2	3.718	4.192	2.574	2.503	2.527	2.783	2.562	2.593	2.316	2.184	2.212	2.212

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CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1A4 - Other Sectors	4.05	3.92	3.99	4.19	4.26	2.82	2.51	2.71	2.95	2.84	2.78	3.52
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	0.40
Not Specified Commercial - Wood (wet) > CO2	0.580	0.587	0.601	0.626	0.612	0.390	0.362	0.384	0.405	0.403	0.398	0.398
1A4b - Residential	3.47	3.33	3.38	3.56	3.65	2.43	2.15	2.32	2.55	2.44	2.38	3.12
Household Use - Wood (wet) > CO2	3.470	3.335	3.385	3.563	3.652	2.427	2.153	2.323	2.549	2.436	2.380	3.123
3 - Agriculture, Forestry and Other Land Use	1.39	1.16	1.16	1.20	1.18	1.26	1.17	1.32	1.32	1.38	1.39	1.44
3C - Aggregate Sources and Non-CO2 Emissions Sources on Land	1.39	1.16	1.16	1.20	1.18	1.26	1.17	1.32	1.32	1.38	1.39	1.44
3C1 - Emissions from Biomass Burning	1.39	1.16	1.16	1.20	1.18	1.26	1.17	1.32	1.32	1.38	1.39	1.44
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	1.39	1.44
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	0.895
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	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	0.022
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	0.184
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	0.219	0.226
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	0.089	0.104
4 - Waste	6.28	6.60	6.84	6.82	6.89	7.04	7.22	7.31	7.38	7.47	7.57	7.60
4A - Solid Waste Disposal	6.28	6.60	6.84	6.82	6.89	7.04	7.22	7.31	7.38	7.47	7.57	7.60
4A1 - Managed Waste Disposal Sites	6.28	6.60	6.84	6.82	6.89	7.04	7.22	7.31	7.38	7.47	7.57	7.60
Landfills > Landfill gas generation - Landfill gas > CO2	6.282	6.603	6.843	6.820	6.886	7.042	7.220	7.313	7.382	7.468	7.565	7.603
Summary for CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Carbon dioxide from Biogenic sources	23.88	24.15	22.65	22.99	23.03	22.47	22.16	22.30	22.33	22.96	22.38	24.26

This section of the inventory is currently under development

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