California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1 - Energy	**407.80**	**422.62**	**418.83**	**420.35**	**429.73**	**420.71**	**416.62**	**421.68**	**418.00**	**391.36**	**384.01**	**376.83**	**381.68**
1A - Fuel Combustion Activities	***401.86***	***416.94***	***413.59***	***415.19***	***424.92***	***416.03***	***411.31***	***416.38***	***412.65***	***385.87***	***378.73***	***371.39***	***376.42***
1A1 - Energy Industries	**159.08**	**175.90**	**161.51**	**167.77**	**172.71**	**163.86**	**157.59**	**165.70**	**171.46**	**154.26**	**144.73**	**137.04**	**144.72**
1A1a - Main Activity Electricity and Heat Production	116.38	132.30	119.13	122.24	127.50	119.42	115.88	124.34	129.71	113.36	102.64	98.66	105.81
1A1ai - Electricity Generation	*84.807*	*103.491*	*86.520*	*92.863*	*98.063*	*91.191*	*88.844*	*98.221*	*104.630*	*84.154*	*75.812*	*72.112*	*81.075*
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	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	0.052
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	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	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	0.011
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	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	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	0.233
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	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	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	0.022
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	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	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	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	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	0.000
Imported Electricity : Specified Imports : Arizona : Mesquite Generating Station (AZ) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.112	0.132	2.641	0.856
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	0.001	0.000
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	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	3.197
Imported Electricity : Specified Imports : Arizona : Navajo (AZ) - Primary fuel: Coal > N2O	0.019	0.018	0.019	0.017	0.018	0.016	0.017	0.018	0.018	0.015	0.016	0.017	0.016
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	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	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	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	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	0.000

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Imported Electricity : Specified Imports : Arizona : Southpoint Energy Center (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	0.000
Imported Electricity : Specified Imports : Arizona : Yucca/Yuma Axis (AZ) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Yucca/Yuma Axis (AZ) - Primary fuel: Natural Gas > CO2	0.129	0.174	0.109	0.066	0.074	0.068	0.078	0.081	0.082	0.186	0.190	0.103	0.071
Imported Electricity : Specified Imports : Arizona : Yucca/Yuma Axis (AZ) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Yuma Cogeneration Associates (AZ) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Arizona : Yuma Cogeneration Associates (AZ) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.135	0.076	0.031	0.034
Imported Electricity : Specified Imports : Arizona : Yuma Cogeneration Associates (AZ) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : California Tribal : Desert View Power (CA Tribal) - 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	0.003
Imported Electricity : Specified Imports : California Tribal : Desert View Power (CA Tribal) - 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	0.006
Imported Electricity : Specified Imports : California Tribal : Desert View Power (CA Tribal) - 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	0.004
Imported Electricity : Specified Imports : Canada : Armstrong Woodwaste Cogeneration (CAN) - Primary fuel: Biomass > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Canada : Armstrong Woodwaste Cogeneration (CAN) - Primary fuel: Biomass > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000
Imported Electricity : Specified Imports : Canada : Armstrong Woodwaste Cogeneration (CAN) - Primary fuel: Biomass > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Canada : Prince George Pulp & Paper (CAN) - Primary fuel: Biomass > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
Imported Electricity : Specified Imports : Canada : Prince George Pulp & Paper (CAN) - Primary fuel: Biomass > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
Imported Electricity : Specified Imports : Canada : Prince George Pulp & Paper (CAN) - Primary fuel: Biomass > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
Imported Electricity : Specified Imports : Mexico : La Rosita (MEX) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Imported Electricity : Specified Imports : Mexico : La Rosita (MEX) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.965	0.789	0.687	0.685	1.110
Imported Electricity : Specified Imports : Mexico : La Rosita (MEX) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.001
Imported Electricity : Specified Imports : Mexico : Termoelectrica de Mexicali (MEX) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
Imported Electricity : Specified Imports : Mexico : Termoelectrica de Mexicali (MEX) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.240	1.573	1.625	1.064	1.147	1.458
Imported Electricity : Specified Imports : Mexico : Termoelectrica de Mexicali (MEX) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
Imported Electricity : Specified Imports : Montana : Hardin Generating Project (MT) - 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	0.000
Imported Electricity : Specified Imports : Montana : Hardin Generating Project (MT) - Primary fuel: Coal > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.066	0.044
Imported Electricity : Specified Imports : Montana : Hardin Generating Project (MT) - 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	0.000
Imported Electricity : Specified Imports : Nevada : Apex Generating Station (NV) - 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	0.000
Imported Electricity : Specified Imports : Nevada : Apex Generating Station (NV) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.016	0.577	0.233	0.379

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Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Imported Electricity : Specified Imports : Nevada : Apex Generating Station (NV) - 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	0.000	0.000	0.000
Imported Electricity : Specified Imports : Nevada : El Dorado Energy (NV) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.001	0.000
Imported Electricity : Specified Imports : Nevada : El Dorado Energy (NV) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.086	4.072	1.067	0.382
Imported Electricity : Specified Imports : Nevada : El Dorado Energy (NV) - Primary fuel: Natural Gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.002	0.001	0.000
Imported Electricity : Specified Imports : Nevada : Mohave (NV) - Primary fuel: Coal > CH4	0.002	0.002	0.002	0.002	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Nevada : Mohave (NV) - Primary fuel: Coal > CO2	7.645	7.265	6.337	6.057	6.356	6.623	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Imported Electricity : Specified Imports : Nevada : Mohave (NV) - Primary fuel: Coal > N2O	0.039	0.037	0.032	0.031	0.032	0.034	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 > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	1.168
Imported Electricity : Specified Imports : Nevada : Reid Gardner (NV) - Primary fuel: Coal > N2O	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.006	0.005	0.005	0.006
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	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	5.040
Imported Electricity : Specified Imports : New Mexico : Four Corners (NM) - Primary fuel: Coal > N2O	0.025	0.026	0.023	0.027	0.026	0.027	0.028	0.026	0.025	0.025	0.023	0.025	0.025
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	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	1.897
Imported Electricity : Specified Imports : New Mexico : San Juan (NM) - Primary fuel: Coal > N2O	0.003	0.014	0.015	0.014	0.015	0.016	0.016	0.014	0.013	0.011	0.009	0.012	0.010
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	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	0.514
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	0.004	0.003	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	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	0.000
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	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	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	0.079
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	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	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	0.016
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	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	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	0.875
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	0.001
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	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	0.000

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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	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	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	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	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	0.003	0.003	0.003	0.002
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	8.639
Imported Electricity : Specified Imports : Utah : Intermountain (UT) - Primary fuel: Coal > N2O	0.059	0.059	0.059	0.060	0.061	0.059	0.062	0.058	0.058	0.049	0.053	0.057	0.044
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	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	0.013
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	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	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	0.000
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	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	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	0.021
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	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	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	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	0.000
Imported Electricity : Specified Imports : Washington : Roosevelt Biogas (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	0.000
Imported Electricity : Specified Imports : Washington : Roosevelt Biogas (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	0.000
Imported Electricity : Specified Imports : Washington : Roosevelt Biogas (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	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	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	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	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	0.003	0.005	0.002	0.007
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	0.014
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	0.003	0.011
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	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	0.284

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
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	0.001
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	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	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	0.000
Imported Electricity : Unspecified Imports : Pacific Northwest - Unspecified sources > CH4	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.004	0.004	0.005	0.005
Imported Electricity : Unspecified Imports : Pacific Northwest - Unspecified sources > CO2	4.202	2.592	6.147	8.835	7.513	6.076	7.424	7.967	10.870	7.787	7.919	11.393	10.837
Imported Electricity : Unspecified Imports : Pacific Northwest - Unspecified sources > N2O	0.021	0.013	0.027	0.039	0.032	0.026	0.032	0.035	0.048	0.005	0.005	0.008	0.007
Imported Electricity : Unspecified Imports : Pacific Southwest - Unspecified sources > CH4	0.003	0.007	0.006	0.007	0.008	0.008	0.007	0.008	0.008	0.003	0.003	0.002	0.003
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	6.620
Imported Electricity : Unspecified Imports : Pacific Southwest - Unspecified sources > N2O	0.043	0.098	0.082	0.093	0.093	0.092	0.072	0.095	0.116	0.005	0.004	0.003	0.004
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	0.001
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	1.424
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	0.001
In State Generation : Merchant Owned - Biomass > CH4	0.032	0.028	0.036	0.038	0.036	0.037	0.037	0.035	0.036	0.028	0.027	0.034	0.031
In State Generation : Merchant Owned - Biomass > N2O	0.049	0.043	0.057	0.060	0.056	0.058	0.058	0.054	0.056	0.046	0.045	0.054	0.049
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	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	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	0.000
In State Generation : Merchant Owned - Digester gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.002
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	0.000
In State Generation : Merchant Owned - Jet fuel > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.012
In State Generation : Merchant Owned - Jet fuel > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : Merchant Owned - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	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	0.002	0.002	0.002	0.002
In State Generation : Merchant Owned - Landfill gas > N2O	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.005
In State Generation : Merchant Owned - MSW > CH4	0.006	0.006	0.007	0.003	0.003	0.002	0.003	0.003	0.003	0.004	0.001	0.002	0.007
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	0.276
In State Generation : Merchant Owned - MSW > N2O	0.010	0.010	0.010	0.004	0.004	0.004	0.004	0.004	0.004	0.007	0.003	0.002	0.011
In State Generation : Merchant Owned - Natural gas > CH4	0.014	0.017	0.010	0.010	0.012	0.010	0.011	0.012	0.012	0.010	0.009	0.006	0.010
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	21.294
In State Generation : Merchant Owned - Natural gas > N2O	0.017	0.020	0.012	0.012	0.014	0.012	0.013	0.015	0.015	0.013	0.012	0.007	0.012
In State Generation : Merchant Owned - Petroleum coke > CH4	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.001	0.001	0.003	0.000
In State Generation : Merchant Owned - Petroleum coke > CO2	0.931	0.961	0.930	1.159	1.203	1.226	1.239	1.293	1.134	1.230	1.131	0.989	0.096
In State Generation : Merchant Owned - Petroleum coke > N2O	0.004	0.004	0.004	0.005	0.006	0.006	0.006	0.006	0.005	0.002	0.002	0.005	0.000
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	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	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	0.000

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
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	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	0.192
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	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	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	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	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	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	0.000
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	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	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	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	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	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	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	0.001	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	0.000
In State Generation : Utility Owned - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.026
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	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	0.001
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	0.002
In State Generation : Utility Owned - Natural gas > CH4	0.003	0.003	0.002	0.003	0.003	0.003	0.004	0.005	0.005	0.004	0.005	0.005	0.006
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	13.573
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	0.008
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	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	0.002
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	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	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	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	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	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	0.000
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	0.000
1A1aii - Combined Heat and Power Generation (CHP)	*31.572*	*28.811*	*32.608*	*29.381*	*29.433*	*28.233*	*27.040*	*26.120*	*25.075*	*29.203*	*26.832*	*26.550*	*24.733*
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	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	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	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	0.000
CHP: Commercial : Useful Thermal Output - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000
CHP: Commercial : Useful Thermal Output - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Jet fuel > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Jet fuel > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Jet fuel > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
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	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	0.000
CHP: Commercial : Useful Thermal Output - Landfill gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Landfill gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Natural gas > CH4	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.917	0.920	0.780	0.756
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	0.000
CHP: Commercial : Useful Thermal Output - Propane > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Propane > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Commercial : Useful Thermal Output - Propane > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Associated gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - 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	0.000	0.308
CHP: Industrial : Useful Thermal Output - Associated gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Biomass > CH4	0.011	0.009	0.005	0.005	0.010	0.012	0.013	0.013	0.012	0.008	0.006	0.010	0.009
CHP: Industrial : Useful Thermal Output - Biomass > N2O	0.017	0.014	0.008	0.008	0.015	0.019	0.020	0.020	0.019	0.013	0.011	0.016	0.014
CHP: Industrial : Useful Thermal Output - Coal > CH4	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.000	0.004	0.004	0.005	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	1.595	1.549	1.608	1.313
CHP: Industrial : Useful Thermal Output - Coal > N2O	0.008	0.009	0.008	0.009	0.011	0.010	0.011	0.010	0.009	0.008	0.008	0.008	0.007
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	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	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	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	0.000
CHP: Industrial : Useful Thermal Output - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000	0.000
CHP: Industrial : Useful Thermal Output - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	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	0.000
CHP: Industrial : Useful Thermal Output - Landfill gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Landfill gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	0.004	0.000
CHP: Industrial : Useful Thermal Output - MSW > N2O	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Natural gas > CH4	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.004	0.004	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	8.152	8.715	8.117	7.543
CHP: Industrial : Useful Thermal Output - Natural gas > N2O	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.004	0.004	0.004	0.005	0.004	0.004
CHP: Industrial : Useful Thermal Output - Petroleum coke > CH4	0.002	0.002	0.001	0.001	0.001	0.001	0.002	0.001	0.000	0.000	0.001	0.001	0.000
CHP: Industrial : Useful Thermal Output - Petroleum coke > CO2	0.590	0.642	0.282	0.253	0.376	0.463	0.575	0.454	0.100	0.161	0.203	0.294	0.176
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	0.001	0.001	0.001	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	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	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Propane > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial : Useful Thermal Output - Refinery gas > CH4	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002
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	2.530	2.008	1.046	1.421
CHP: Industrial : Useful Thermal Output - Refinery gas > N2O	0.005	0.004	0.002	0.002	0.002	0.003	0.003	0.002	0.003	0.001	0.001	0.004	0.005

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
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	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	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	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	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	0.015	0.012	0.004	0.000
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	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	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	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	0.000
In State Generation : CHP: Commercial - Crude oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	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	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	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Commercial - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	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	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	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	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	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	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	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	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	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	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	1.051	0.786	0.859	0.624
In State Generation : CHP: Commercial - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
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	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	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	0.000
In State Generation : CHP: Industrial - Associated gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - 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	0.000	0.176
In State Generation : CHP: Industrial - 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	0.000
In State Generation : CHP: Industrial - Biomass > CH4	0.014	0.019	0.013	0.013	0.009	0.009	0.008	0.008	0.007	0.006	0.005	0.007	0.009
In State Generation : CHP: Industrial - Biomass > N2O	0.022	0.030	0.021	0.020	0.015	0.013	0.013	0.013	0.011	0.010	0.009	0.011	0.015
In State Generation : CHP: Industrial - Coal > CH4	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.001	0.001	0.005	0.005	0.005	0.003
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	1.826	1.920	1.646	1.029
In State Generation : CHP: Industrial - Coal > N2O	0.012	0.011	0.012	0.011	0.009	0.009	0.009	0.010	0.011	0.009	0.009	0.009	0.006
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	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	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	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	0.000
In State Generation : CHP: Industrial - Digester gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
In State Generation : CHP: Industrial - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.002	0.002

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
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	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	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	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	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	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	0.000
In State Generation : CHP: Industrial - MSW > CH4	0.000	0.000	0.000	0.003	0.003	0.003	0.003	0.003	0.003	0.000	0.000	0.003	0.000
In State Generation : CHP: Industrial - MSW > CO2	0.000	0.000	0.000	0.132	0.120	0.108	0.124	0.122	0.123	0.000	0.000	0.096	0.000
In State Generation : CHP: Industrial - MSW > N2O	0.000	0.000	0.000	0.005	0.005	0.004	0.005	0.005	0.005	0.000	0.000	0.004	0.000
In State Generation : CHP: Industrial - Natural gas > CH4	0.006	0.006	0.007	0.006	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.005	0.005
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	10.544	8.996	11.187	10.233
In State Generation : CHP: Industrial - Natural gas > N2O	0.007	0.007	0.009	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.006	0.006
In State Generation : CHP: Industrial - Petroleum coke > CH4	0.004	0.004	0.005	0.003	0.003	0.004	0.003	0.003	0.002	0.002	0.001	0.001	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	0.724	0.336	0.344	0.244
In State Generation : CHP: Industrial - Petroleum coke > N2O	0.006	0.006	0.008	0.006	0.006	0.006	0.005	0.005	0.004	0.003	0.002	0.002	0.001
In State Generation : CHP: Industrial - Propane > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.003	0.001	0.001	0.002
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	0.000
In State Generation : CHP: Industrial - Refinery gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
In State Generation : CHP: Industrial - Refinery gas > CO2	1.165	0.612	0.624	0.718	0.708	0.761	0.688	0.573	0.541	1.508	1.216	0.443	0.804
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	0.003
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	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	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	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	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	0.037	0.013	0.004	0.000
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	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	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	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	0.000
1A1b - Petroleum Refining	24.61	25.17	25.27	25.98	25.25	25.87	25.52	25.00	24.22	24.55	26.47	22.85	22.80
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	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	0.005
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	0.000
Petroleum Refining - Catalyst coke > CH4	0.015	0.015	0.015	0.016	0.016	0.016	0.016	0.015	0.013	0.016	0.015	0.016	0.016
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	5.994
Petroleum Refining - Catalyst coke > N2O	0.026	0.026	0.026	0.027	0.028	0.028	0.028	0.026	0.023	0.027	0.025	0.028	0.028
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	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	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	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	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	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	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	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	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	0.000

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
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	0.001
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	0.000
Petroleum Refining - LPG > CH4	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.001
Petroleum Refining - LPG > N2O	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000
Petroleum Refining - Natural gas > CH4	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	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	2.713	2.602
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	0.001
Petroleum Refining - Petroleum coke > 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	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	0.000
Petroleum Refining - Petroleum coke > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000
Petroleum Refining - Process gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.003
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	0.000
Petroleum Refining - Refinery gas > CH4	0.006	0.007	0.007	0.007	0.006	0.007	0.006	0.006	0.006	0.013	0.007	0.020	0.019
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	13.874	14.081
Petroleum Refining - Refinery gas > N2O	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.007	0.017	0.009	0.047	0.045
Petroleum Refining - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	0.000
1A1c - Manufacture of Solid Fuels and Other Energy Industries	18.09	18.43	17.11	19.55	19.96	18.56	16.19	16.35	17.54	16.35	15.61	15.52	16.11
1A1cii - Other Energy Industries	*18.085*	*18.429*	*17.109*	*19.547*	*19.964*	*18.563*	*16.192*	*16.353*	*17.537*	*16.351*	*15.611*	*15.524*	*16.111*
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	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	3.517
Oil & Gas Extraction - Associated gas > N2O	0.001	0.001	0.002	0.002	0.002	0.002	0.001	0.001	0.002	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	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	0.080
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	0.000
Oil & Gas Extraction - Natural gas > CH4	0.007	0.007	0.006	0.007	0.007	0.007	0.006	0.006	0.006	0.006	0.005	0.005	0.006
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	11.887
Oil & Gas Extraction - Natural gas > N2O	0.008	0.008	0.007	0.008	0.009	0.008	0.007	0.007	0.007	0.007	0.006	0.006	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	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	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	0.000
Pipelines : Natural Gas Pipelines - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	0.000
Pipelines : Non Natural Gas Pipelines - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.072
Pipelines : Non Natural Gas Pipelines - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2 - Manufacturing Industries and Construction	**22.71**	**21.54**	**22.86**	**19.24**	**19.53**	**18.64**	**18.72**	**17.01**	**18.12**	**16.61**	**18.77**	**19.91**	**19.89**
Manufacturing : Primary Metals - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.508
Manufacturing : Primary Metals - Natural gas > N2O	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Environmental Protection Agency

Air Resources Board

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1A2c - Chemicals	4.55	4.08	3.97	2.60	3.22	3.81	3.79	3.13	3.91	3.82	5.36	6.32	5.71
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural gas > CH4	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.003	0.003	0.003
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural gas > CO2	4.543	4.075	3.968	2.596	3.212	3.806	3.781	3.125	3.905	3.813	5.358	6.313	5.707
Manufacturing : Chemicals & Allied Products : Fuel Use - Natural gas > N2O	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.004	0.003
1A2d - Pulp, Paper and Print	1.05	0.94	1.01	0.92	0.94	0.62	0.64	0.55	0.46	0.40	0.40	0.44	0.44
Manufacturing : Printing & Publishing - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Printing & Publishing - Natural gas > CO2	0.126	0.104	0.109	0.087	0.089	0.081	0.076	0.075	0.067	0.062	0.054	0.057	0.055
Manufacturing : Printing & Publishing - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Pulp & Paper - Natural gas > CO2	0.923	0.839	0.896	0.829	0.850	0.540	0.565	0.476	0.390	0.333	0.349	0.386	0.384
Manufacturing : Pulp & Paper - Natural gas > N2O	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	3.26
Manufacturing : Food Products - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Food Products - Natural gas > CO2	0.287	0.442	0.466	0.375	0.253	0.250	0.306	0.275	0.246	0.238	0.270	0.244	0.247
Manufacturing : Food Products - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Food Products : Food Processing - Natural gas > CH4	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing : Food Products : Food Processing - Natural gas > CO2	3.233	2.882	3.126	2.517	2.470	2.392	2.867	2.936	2.856	2.819	2.739	2.839	2.917
Manufacturing : Food Products : Food Processing - Natural gas > N2O	0.002	0.002	0.002	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Manufacturing : Food Products : Sugar & Confections - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Food Products : Sugar & Confections - Natural gas > CO2	0.370	0.180	0.206	0.221	0.432	0.379	0.134	0.110	0.075	0.060	0.067	0.071	0.097
Manufacturing : Food Products : Sugar & Confections - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Tobacco - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Tobacco - Natural gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Tobacco - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2f - Non-Metallic Minerals	5.42	5.28	5.47	5.29	5.27	5.32	5.32	4.78	4.34	2.93	2.89	2.85	3.07
Manufacturing : Stone, Clay, Glass & Cement - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement - Natural gas > CO2	0.722	0.487	0.532	0.385	0.370	0.381	0.772	0.676	0.501	0.337	0.300	0.302	0.299
Manufacturing : Stone, Clay, Glass & Cement - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Biomass waste fuel > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Biomass waste fuel > N2O	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > CH4	0.009	0.009	0.009	0.009	0.009	0.009	0.008	0.007	0.006	0.004	0.004	0.005	0.005
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > CO2	3.086	3.068	3.050	3.032	3.013	2.995	2.827	2.543	2.283	1.432	1.424	1.472	1.436
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > N2O	0.016	0.016	0.016	0.015	0.015	0.015	0.014	0.013	0.010	0.007	0.007	0.008	0.008
Manufacturing : Stone, Clay, Glass & Cement : Cement - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Distillate > CO2	0.005	0.004	0.003	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - LPG > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - LPG > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - LPG > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - MSW > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - MSW > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural gas > CO2	0.128	0.144	0.152	0.161	0.169	0.177	0.153	0.130	0.104	0.063	0.049	0.045	0.148
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum coke > CH4	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.000	0.001	0.001	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum coke > CO2	0.569	0.579	0.588	0.598	0.607	0.617	0.728	0.701	0.750	0.495	0.479	0.439	0.551
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum coke > N2O	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.001	0.001	0.001	0.003
Manufacturing : Stone, Clay, Glass & Cement : Cement - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Residual fuel oil > CO2	0.063	0.066	0.069	0.072	0.074	0.077	0.055	0.032	0.010	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > CH4	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.000	0.000	0.001	0.001	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > CO2	0.076	0.090	0.104	0.118	0.132	0.146	0.134	0.140	0.166	0.114	0.128	0.079	0.098
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > N2O	0.001	0.002	0.002	0.002	0.002	0.003	0.002	0.003	0.000	0.000	0.001	0.001	0.002
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural gas > CO2	0.001	0.177	0.247	0.272	0.301	0.359	0.003	0.002	0.002	0.001	0.001	0.001	0.000
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Glass Containers - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Stone, Clay, Glass & Cement : Glass Containers - Natural gas > CO2	0.740	0.636	0.693	0.619	0.567	0.533	0.615	0.529	0.498	0.476	0.495	0.497	0.516
Manufacturing : Stone, Clay, Glass & Cement : Glass Containers - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.24
Manufacturing : Transportation Equip. - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Transportation Equip. - Natural gas > CO2	0.455	0.483	0.524	0.314	0.269	0.269	0.263	0.276	0.287	0.254	0.247	0.235	0.244
Manufacturing : Transportation Equip. - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.81
Manufacturing : Electric & Electronic Equip. - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Electric & Electronic Equip. - Natural gas > CO2	0.058	0.043	0.054	0.029	0.031	0.028	0.029	0.029	0.028	0.025	0.024	0.023	0.023
Manufacturing : Electric & Electronic Equip. - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Computers & Office Machines - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Computers & Office Machines - Natural gas > CO2	0.886	0.390	0.422	0.357	0.319	0.334	0.362	0.333	0.290	0.266	0.254	0.245	0.228
Manufacturing : Metal Durables : Computers & Office Machines - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Fabricated Metal Products - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Fabricated Metal Products - Natural gas > CO2	0.665	0.705	0.723	0.492	0.519	0.525	0.508	0.506	0.478	0.411	0.433	0.457	0.461
Manufacturing : Metal Durables : Fabricated Metal Products - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural gas > CO2	0.145	0.130	0.130	0.099	0.137	0.127	0.144	0.121	0.131	0.120	0.093	0.093	0.098
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.16
Mining : Coal - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Coal - Natural gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Coal - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Metals - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Metals - Natural gas > CO2	0.532	0.282	0.275	0.266	0.272	0.257	0.011	0.012	0.000	0.000	0.000	0.000	0.000
Mining : Metals - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Non Metals - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining : Non Metals - Natural gas > CO2	0.325	0.031	0.035	0.070	0.092	0.084	0.095	0.149	0.188	0.141	0.148	0.152	0.157
Mining : Non Metals - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.03
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural gas > CO2	0.059	0.053	0.055	0.042	0.043	0.041	0.039	0.034	0.027	0.021	0.018	0.017	0.017

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural gas > CO2	0.338	0.256	0.137	0.115	0.069	0.066	0.066	0.049	0.045	0.034	0.032	0.025	0.015
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.52
Manufacturing : Construction - Ethanol > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Construction - Ethanol > CO2	0.001	0.002	0.002	0.012	0.021	0.019	0.019	0.015	0.015	0.014	0.027	0.035	0.028
Manufacturing : Construction - Ethanol > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Construction - Gasoline > CH4	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Construction - Gasoline > CO2	0.283	0.486	0.523	0.514	0.578	0.506	0.501	0.395	0.348	0.331	0.397	0.472	0.416
Manufacturing : Construction - Gasoline > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing : Construction - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Construction - Natural gas > CO2	0.128	0.117	0.097	0.108	0.174	0.215	0.095	0.088	0.075	0.079	0.078	0.084	0.079
Manufacturing : Construction - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.22
Manufacturing : Textiles : Apparel - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Apparel - Natural gas > CO2	0.026	0.025	0.028	0.016	0.020	0.021	0.022	0.020	0.014	0.011	0.010	0.010	0.010
Manufacturing : Textiles : Apparel - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Leather - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Leather - Natural gas > CO2	0.004	0.008	0.004	0.006	0.003	0.004	0.002	0.002	0.002	0.001	0.001	0.002	0.002
Manufacturing : Textiles : Leather - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Textile Mills - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing : Textiles : Textile Mills - Natural gas > CO2	0.533	0.503	0.560	0.426	0.419	0.410	0.368	0.328	0.289	0.222	0.232	0.219	0.204
Manufacturing : Textiles : Textile Mills - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A2m - Non-specified Industry.	2.55	3.42	4.13	3.69	3.25	2.35	2.68	2.34	3.48	4.06	4.57	4.57	4.91
Manufacturing - Distillate > CH4	0.000	0.000	0.000	0.000	0.001	0.000	0.001	0.001	0.000	0.001	0.001	0.001	0.001
Manufacturing - Distillate > CO2	0.439	0.489	0.437	0.477	0.517	0.469	0.533	0.537	0.431	0.624	0.723	0.719	0.855
Manufacturing - Distillate > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002
Manufacturing - Ethanol > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing - Ethanol > CO2	0.000	0.003	0.003	0.021	0.034	0.034	0.033	0.032	0.036	0.035	0.066	0.064	0.052
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	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	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	0.760
Manufacturing - Gasoline > N2O	0.000	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 - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.001
Manufacturing - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manufacturing - LPG > CH4	0.002	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	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	1.678
Manufacturing - LPG > N2O	0.004	0.004	0.006	0.005	0.003	0.001	0.002	0.001	0.003	0.004	0.004	0.005	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	0.001	0.000	0.001
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	1.310
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	0.001
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	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	0.003

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
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	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	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	0.014
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	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	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	0.086
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	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	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	0.089	0.089
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	0.000
Not Specified Industrial - Wood (wet) > CH4	0.032	0.036	0.022	0.021	0.022	0.024	0.022	0.022	0.020	0.019	0.019	0.019	0.019
Not Specified Industrial - Wood (wet) > N2O	0.050	0.056	0.034	0.033	0.034	0.037	0.034	0.035	0.031	0.029	0.030	0.030	0.030
1A3 - Transport	**175.01**	**175.53**	**182.72**	**182.52**	**185.87**	**188.07**	**188.20**	**188.26**	**177.08**	**170.62**	**169.52**	**167.24**	**166.56**
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	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	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	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	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	0.000
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	0.000
1A3a - Civil Aviation	4.15	4.07	4.12	4.25	4.50	4.50	4.57	4.98	4.51	4.04	3.85	3.75	3.72
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	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	0.007
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	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	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	0.110
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	0.000
1A3aii - Domestic Aviation	*3.885*	*3.829*	*3.848*	*3.983*	*4.254*	*4.281*	*4.360*	*4.755*	*4.318*	*3.883*	*3.717*	*3.613*	*3.601*
Aviation : Domestic Air transport - Aviation gasoline > CH4	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.003	0.003	0.003
Aviation : Domestic Air transport - Aviation gasoline > CO2	0.248	0.236	0.222	0.242	0.216	0.208	0.190	0.231	0.209	0.163	0.144	0.139	0.140
Aviation : Domestic Air transport - Aviation gasoline > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	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	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	3.426
Aviation : Domestic Air transport : Intrastate - Jet fuel > N2O	0.031	0.031	0.031	0.032	0.035	0.035	0.036	0.039	0.035	0.032	0.031	0.030	0.030
1A3b - Road Transportation	162.88	163.46	169.64	168.81	171.48	172.68	172.37	172.41	163.00	158.46	157.38	154.91	154.06
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	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	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	0.000
1A3bi - Cars	*64.294*	*62.959*	*63.341*	*60.358*	*59.835*	*58.813*	*58.514*	*58.257*	*55.443*	*54.907*	*55.107*	*54.178*	*54.132*
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	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	0.203
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	0.002
On Road : Light-duty Vehicles : Passenger Cars - Ethanol > CH4	0.001	0.002	0.002	0.008	0.011	0.011	0.009	0.008	0.008	0.008	0.010	0.010	0.008
On Road : Light-duty Vehicles : Passenger Cars - Ethanol > CO2	0.151	0.200	0.236	1.327	1.999	2.096	2.085	2.073	2.192	2.210	3.441	3.685	3.417
On Road : Light-duty Vehicles : Passenger Cars - Ethanol > N2O	0.007	0.008	0.009	0.045	0.059	0.055	0.049	0.043	0.041	0.039	0.052	0.048	0.039
On Road : Light-duty Vehicles : Passenger Cars - Gasoline > CH4	0.330	0.298	0.271	0.231	0.205	0.181	0.162	0.143	0.124	0.114	0.098	0.084	0.074

California Environmental Protection Agency

Air Resources Board

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
On Road : Light-duty Vehicles : Passenger Cars - Gasoline > CO2	61.620	60.475	61.023	57.228	56.234	55.307	55.180	55.070	52.271	51.766	50.813	49.724	50.019
On Road : Light-duty Vehicles : Passenger Cars - Gasoline > N2O	1.840	1.665	1.500	1.248	1.077	0.939	0.830	0.733	0.634	0.582	0.494	0.420	0.369
1A3bii - Light-duty Trucks	*65.457*	*66.592*	*70.655*	*72.024*	*72.935*	*73.040*	*72.331*	*71.509*	*67.766*	*66.385*	*65.118*	*63.422*	*62.892*
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	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	0.032
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	0.000
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > CH4	0.001	0.001	0.001	0.007	0.010	0.010	0.009	0.009	0.009	0.008	0.012	0.012	0.010
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > CO2	0.154	0.211	0.263	1.588	2.443	2.608	2.581	2.547	2.680	2.672	4.063	4.311	3.967
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > N2O	0.008	0.010	0.011	0.059	0.079	0.076	0.069	0.063	0.062	0.060	0.084	0.082	0.069
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > CH4	0.264	0.241	0.229	0.208	0.187	0.171	0.158	0.146	0.131	0.125	0.112	0.101	0.094
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > CO2	62.760	64.053	68.221	68.460	68.733	68.840	68.306	67.647	63.906	62.583	60.013	58.172	58.071
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > N2O	2.194	2.013	1.876	1.657	1.443	1.299	1.176	1.069	0.953	0.903	0.799	0.710	0.648
1A3biii - Heavy-duty Trucks and Buses	*32.781*	*33.499*	*35.185*	*35.904*	*38.134*	*39.922*	*40.577*	*41.614*	*38.732*	*36.044*	*35.996*	*36.055*	*35.776*
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Distillate > CH4	0.018	0.018	0.019	0.018	0.018	0.018	0.017	0.017	0.015	0.013	0.012	0.011	0.010
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	26.338
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Distillate > N2O	0.256	0.256	0.263	0.261	0.278	0.290	0.294	0.303	0.278	0.253	0.254	0.257	0.255
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > CH4	0.000	0.000	0.000	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.002	0.002	0.002
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > CO2	0.014	0.021	0.028	0.189	0.301	0.339	0.350	0.353	0.382	0.384	0.586	0.621	0.571
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > N2O	0.001	0.002	0.002	0.011	0.017	0.018	0.016	0.016	0.016	0.016	0.024	0.025	0.022
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > CH4	0.031	0.030	0.030	0.029	0.027	0.026	0.023	0.022	0.019	0.019	0.017	0.015	0.014
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > CO2	5.688	6.412	7.309	8.156	8.463	8.937	9.266	9.383	9.109	8.996	8.662	8.382	8.360
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > N2O	0.318	0.312	0.325	0.321	0.304	0.301	0.279	0.268	0.250	0.249	0.230	0.214	0.205
1A3biv - Motorcycles	*0.232*	*0.268*	*0.312*	*0.343*	*0.366*	*0.390*	*0.410*	*0.430*	*0.423*	*0.423*	*0.428*	*0.426*	*0.431*
On Road : Light-duty Vehicles : Motorcycles - Ethanol > CH4	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	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	0.024	0.027	0.025
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	0.003
On Road : Light-duty Vehicles : Motorcycles - Gasoline > CH4	0.007	0.008	0.009	0.010	0.010	0.011	0.011	0.012	0.011	0.011	0.011	0.010	0.011
On Road : Light-duty Vehicles : Motorcycles - Gasoline > CO2	0.208	0.240	0.279	0.301	0.317	0.337	0.354	0.372	0.366	0.366	0.362	0.359	0.365
On Road : Light-duty Vehicles : Motorcycles - Gasoline > N2O	0.016	0.019	0.022	0.024	0.025	0.027	0.028	0.030	0.029	0.028	0.027	0.027	0.027
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	2.48
Rail - Distillate > CH4	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.003	0.002	0.002	0.002	0.003	0.003
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	2.470
Rail - Distillate > N2O	0.005	0.005	0.006	0.007	0.007	0.008	0.008	0.008	0.006	0.005	0.006	0.006	0.006
1A3d - Water-borne Navigation	3.39	3.21	3.56	3.78	3.84	4.12	4.20	4.31	4.04	3.68	3.71	3.72	3.83
1A3di - International Water-borne Navigation (International Bunkers)	*1.125*	*1.181*	*1.239*	*1.300*	*1.364*	*1.431*	*1.481*	*1.565*	*1.449*	*1.212*	*1.245*	*1.244*	*1.334*
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	0.000
Water-borne : International : Port activities - Distillate > CO2	0.045	0.047	0.049	0.052	0.054	0.057	0.059	0.061	0.057	0.049	0.053	0.052	0.054
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	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	0.001	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	0.525	0.496	0.428	0.412	0.421	0.465
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	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	0.000
Water-borne : International : Transit (CA waters) - Distillate > CO2	0.012	0.013	0.014	0.014	0.015	0.016	0.017	0.020	0.019	0.017	0.016	0.014	0.014
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	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	0.001

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Water-borne : International : Transit (CA waters) - Residual fuel oil > CO2	0.699	0.732	0.768	0.804	0.843	0.883	0.917	0.953	0.872	0.714	0.760	0.752	0.796
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	0.002
1A3dii - Domestic Water-borne Navigation	*2.264*	*2.034*	*2.325*	*2.476*	*2.472*	*2.692*	*2.716*	*2.749*	*2.594*	*2.469*	*2.465*	*2.476*	*2.497*
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	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	0.032
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	0.000
Water-borne - Gasoline > CH4	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	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	0.465
Water-borne - Gasoline > N2O	0.002	0.001	0.001	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.001	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	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	0.006	0.006
Water-borne : Interstate : Port activities - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	0.068	0.064	0.056	0.054	0.058	0.068
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	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	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	0.004	0.004	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	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	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	0.261	0.240	0.197	0.211	0.215	0.238
Water-borne : Interstate : Transit (CA waters) - Residual fuel oil > N2O	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	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	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	0.946
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	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	0.000
Water-borne : Intrastate : Port activities - Distillate > CO2	0.016	0.017	0.017	0.018	0.019	0.020	0.021	0.021	0.020	0.018	0.019	0.019	0.020
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	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	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	0.243	0.232	0.203	0.194	0.206	0.239
Water-borne : Intrastate : Port activities - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.001
Water-borne : Intrastate : Transit (CA waters) - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.008	0.008	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	0.000
Water-borne : Intrastate : Transit (CA waters) - Residual fuel oil > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000
Water-borne : Intrastate : Transit (CA waters) - Residual fuel oil > CO2	0.375	0.397	0.419	0.442	0.467	0.492	0.515	0.524	0.487	0.412	0.450	0.446	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	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	2.23
1A3eii - Off-road	*2.631*	*2.790*	*2.768*	*2.843*	*3.029*	*3.217*	*3.315*	*3.176*	*2.819*	*2.246*	*2.033*	*2.133*	*2.234*
Off Road : Airport Ground Support Equipmemt - Distillate > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Off Road : Airport Ground Support Equipmemt - 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	0.029
Off Road : Airport Ground Support Equipmemt - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Off Road : Construction and Mining Equipment - Distillate > CH4	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002	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	1.930
Off Road : Construction and Mining Equipment - Distillate > N2O	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.006	0.005	0.004	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	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	0.163

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Off Road : Industrial Equipment - Distillate > 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	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	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	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	0.000
1A4 - Other Sectors	**45.06**	**43.98**	**46.51**	**45.66**	**46.80**	**45.46**	**46.80**	**45.42**	**45.99**	**44.38**	**45.71**	**47.20**	**45.25**
1A4a - Commercial/Institutional	11.54	11.37	13.18	12.82	12.77	12.61	12.89	12.88	13.00	13.04	13.48	13.65	13.44
Communication : Other Message Communications - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Other Message Communications - Natural gas > CO2	0.139	0.129	0.153	0.145	0.153	0.141	0.156	0.150	0.134	0.130	0.114	0.119	0.113
Communication : Other Message Communications - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Radio Broadcasting Stations - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Radio Broadcasting Stations - Natural gas > CO2	0.008	0.004	0.004	0.008	0.006	0.005	0.006	0.007	0.006	0.006	0.006	0.006	0.006
Communication : Radio Broadcasting Stations - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Telephone & Cell Phone Services - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : Telephone & Cell Phone Services - Natural gas > CO2	0.029	0.025	0.026	0.016	0.014	0.015	0.014	0.009	0.009	0.010	0.011	0.009	0.009
Communication : Telephone & Cell Phone Services - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : U.S. Postal Service - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication : U.S. Postal Service - Natural gas > CO2	0.017	0.017	0.019	0.017	0.014	0.007	0.012	0.015	0.016	0.016	0.014	0.014	0.012
Communication : U.S. Postal Service - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Sewerage Systems - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Sewerage Systems - Natural gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Sewerage Systems - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities : Water Supply - Natural gas > CH4	0.001	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
Domestic Utilities : Water Supply - Natural gas > CO2	0.248	0.176	0.165	0.369	0.325	0.229	0.292	0.298	0.283	0.281	0.267	0.255	0.262
Domestic Utilities : Water Supply - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Education : College - Natural gas > CH4	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
Education : College - Natural gas > CO2	0.659	0.537	0.635	0.572	0.579	0.603	0.575	0.559	0.491	0.533	0.549	0.552	0.525
Education : College - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Education : School - Natural gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
Education : School - Natural gas > CO2	0.563	0.535	0.603	0.521	0.510	0.471	0.543	0.535	0.519	0.495	0.499	0.504	0.467
Education : School - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Food Services : Food & Liquor - Natural gas > CH4	0.000	0.000	0.000	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
Food Services : Food & Liquor - Natural gas > CO2	0.026	0.178	0.198	0.716	0.604	0.582	0.527	0.500	0.466	0.446	0.434	0.441	0.466
Food Services : Food & Liquor - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Food Services : Restaurant - Natural gas > CH4	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.005	0.004	0.004	0.004	0.001	0.001
Food Services : Restaurant - Natural gas > CO2	1.871	1.792	2.280	1.590	1.670	1.712	1.935	1.922	1.844	1.778	1.796	1.808	1.807
Food Services : Restaurant - Natural gas > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Health Care - Natural gas > CH4	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.003	0.003	0.004	0.001	0.001
Health Care - Natural gas > CO2	1.385	1.418	1.652	1.474	1.433	1.429	1.515	1.487	1.445	1.445	1.505	1.546	1.539
Health Care - Natural gas > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Hotels - Natural gas > CH4	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.000	0.000
Hotels - Natural gas > CO2	0.633	0.665	0.777	0.691	0.675	0.682	0.745	0.749	0.729	0.704	0.726	0.735	0.730
Hotels - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
National Security - Natural gas > CH4	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
National Security - Natural gas > CO2	0.202	0.308	0.207	0.192	0.198	0.184	0.207	0.196	0.174	0.176	0.169	0.178	0.159
National Security - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Not Specified Commercial - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Coal > CO2	0.049	0.000	0.000	0.000	0.017	0.042	0.003	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Coal > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial - Distillate > CH4	0.003	0.003	0.003	0.002	0.002	0.003	0.002	0.003	0.004	0.005	0.005	0.005	0.005
Not Specified Commercial - Distillate > CO2	0.855	0.806	0.795	0.723	0.652	0.882	0.674	0.752	1.050	1.360	1.583	1.604	1.498
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	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	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	0.005
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	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	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	0.076
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	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	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	0.004
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	0.000
Not Specified Commercial - LPG > CH4	0.002	0.002	0.002	0.003	0.004	0.004	0.003	0.003	0.004	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	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	0.002
Not Specified Commercial - Natural gas > CH4	0.006	0.006	0.008	0.008	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.001	0.001
Not Specified Commercial - Natural gas > CO2	2.500	2.748	3.228	3.222	3.143	3.056	3.103	2.999	2.841	2.787	2.828	2.853	2.744
Not Specified Commercial - Natural gas > N2O	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	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	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	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	0.000
Not Specified Commercial - Wood (wet) > CH4	0.049	0.050	0.051	0.053	0.052	0.033	0.031	0.033	0.035	0.034	0.034	0.040	0.040
Not Specified Commercial - Wood (wet) > N2O	0.008	0.008	0.008	0.008	0.008	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006
Offices - Natural gas > CH4	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.000	0.000
Offices - Natural gas > CO2	0.766	0.550	0.658	0.671	0.697	0.684	0.724	0.627	0.694	0.674	0.682	0.692	0.655
Offices - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.000
Retail & Wholesale : Refrigerated Warehousing - Natural gas > CO2	0.085	0.108	0.137	0.094	0.096	0.095	0.088	0.087	0.079	0.074	0.075	0.079	0.075
Retail & Wholesale : Refrigerated Warehousing - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Retail & Wholesale : Retail - Natural gas > CH4	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.000	0.000
Retail & Wholesale : Retail - Natural gas > CO2	0.495	0.545	0.729	0.672	0.676	0.662	0.742	0.729	0.665	0.712	0.730	0.749	0.883
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	0.000
Retail & Wholesale : Warehousing - Natural gas > CH4	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
Retail & Wholesale : Warehousing - Natural gas > CO2	0.236	0.212	0.262	0.263	0.241	0.259	0.276	0.240	0.225	0.213	0.219	0.218	0.217
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	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	0.000
Transportation Services : Airports - Natural gas > CO2	0.085	0.034	0.050	0.049	0.044	0.042	0.073	0.069	0.051	0.050	0.047	0.060	0.071
Transportation Services : Airports - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000
Transportation Services : Transportation - Natural gas > CO2	0.087	0.088	0.079	0.062	0.050	0.044	0.048	0.271	0.455	0.459	0.480	0.494	0.488
Transportation Services : Transportation - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Water Transportation - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services : Water Transportation - Natural gas > CO2	0.003	0.003	0.002	0.002	0.002	0.002	0.003	0.004	0.005	0.005	0.006	0.006	0.007

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Transportation Services : Water Transportation - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1A4b - Residential	29.70	28.77	28.93	28.47	29.51	28.22	28.58	28.73	29.07	28.69	29.42	29.89	28.09
Household Use - Coal > CH4	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	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	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	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	0.025
Household Use - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.020
Household Use - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Household Use - LPG > CH4	0.007	0.005	0.005	0.008	0.009	0.011	0.009	0.010	0.012	0.011	0.012	0.012	0.012
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	1.960
Household Use - LPG > N2O	0.003	0.002	0.003	0.004	0.004	0.005	0.004	0.005	0.006	0.005	0.006	0.006	0.006
Household Use - Natural gas > CH4	0.066	0.064	0.065	0.063	0.064	0.061	0.063	0.063	0.063	0.062	0.064	0.013	0.012
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	25.732
Household Use - Natural gas > N2O	0.016	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.014
Household Use - Wood (wet) > CH4	0.296	0.284	0.289	0.304	0.311	0.207	0.184	0.198	0.217	0.208	0.203	0.266	0.266
Household Use - Wood (wet) > N2O	0.046	0.044	0.045	0.048	0.049	0.032	0.029	0.031	0.034	0.033	0.032	0.042	0.042
1A4c - Agriculture/Forestry/Fishing/Fish Farms	3.82	3.83	4.39	4.38	4.53	4.63	5.33	3.80	3.92	2.65	2.81	3.66	3.72
Ag Energy Use - Distillate > CH4	0.008	0.009	0.010	0.010	0.011	0.011	0.013	0.009	0.010	0.006	0.007	0.002	0.003
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	2.466
Ag Energy Use - Distillate > N2O	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.006	0.007	0.004	0.005	0.006	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	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	0.035
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	0.000
Ag Energy Use - Gasoline > CH4	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.001	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	0.513
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	0.001	0.001
Ag Energy Use - Kerosene > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.001
Ag Energy Use - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.005
Ag Energy Use - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Energy Use : Crop Production - Natural gas > CH4	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.001	0.001	0.000	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	0.607
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	0.000
Ag Energy Use : Livestock - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.084
Ag Energy Use : Livestock - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1B - Fugitive Emissions from Fuels	***5.94***	***5.67***	***5.24***	***5.17***	***4.81***	***4.68***	***5.31***	***5.29***	***5.35***	***5.49***	***5.28***	***5.44***	***5.26***
1B1 - Solid Fuels	**0.08**	**0.04**	**0.04**	**0.04**	**0.04**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.02**	**0.02**
CHP: Industrial : Useful Thermal Output > Fuel storage - Coal > CH4	0.045	0.009	0.009	0.009	0.011	0.010	0.010	0.011	0.009	0.012	0.007	0.009	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	0.000

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
In State Generation : CHP: Industrial > Fuel storage - Coal > CH4	0.021	0.011	0.013	0.011	0.009	0.009	0.009	0.010	0.011	0.006	0.012	0.008	0.006
Manufacturing : Stone, Clay, Glass & Cement : Cement > Fuel storage - Coal > CH4	0.015	0.015	0.015	0.015	0.015	0.015	0.014	0.013	0.011	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	0.000
1B2 - Oil and Natural Gas	**4.62**	**4.41**	**3.99**	**3.92**	**3.54**	**3.41**	**4.05**	**4.04**	**4.12**	**4.05**	**4.10**	**4.14**	**4.39**
Manufacturing : Chemicals & Allied Products : Fugitives > Fugitive emissions > CH4	0.027	0.032	0.019	0.016	0.014	0.016	0.014	0.013	0.012	0.011	0.010	0.010	0.011
Manufacturing : Construction : Fugitives > Fugitive emissions > CH4	0.004	0.004	0.007	0.007	0.007	0.007	0.007	0.005	0.005	0.005	0.005	0.003	0.003
Manufacturing : Electric & Electronic Equip. : Fugitives > Fugitive emissions > CH4	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.001	0.001	0.000	0.000	0.001	0.001
Manufacturing : Food Products : Fugitives > Fugitive emissions > CH4	0.013	0.013	0.010	0.010	0.011	0.007	0.006	0.005	0.004	0.003	0.003	0.003	0.003
Manufacturing : Fugitives > Fugitive emissions > CH4	0.051	0.071	0.036	0.042	0.037	0.042	0.037	0.037	0.039	0.039	0.042	0.049	0.040
Manufacturing : Plastics & Rubber : Fugitives > Fugitive emissions > CH4	0.006	0.007	0.008	0.009	0.011	0.012	0.013	0.014	0.015	0.015	0.012	0.016	0.017
Manufacturing : Primary Metals : Fugitives > Fugitive emissions > CH4	0.004	0.003	0.001	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	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.004
Manufacturing : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.000	0.002
Not Specified Industrial : Fugitives > Fugitive emissions > CH4	0.011	0.011	0.011	0.011	0.025	0.023	0.093	0.014	0.091	0.096	0.105	0.100	0.098
Oil & Gas Extraction : Petroleum Gas Seeps : Fugitives > Fugitive emissions > CH4	0.413	0.541	0.553	0.553	0.098	0.098	0.587	0.621	0.621	0.621	0.621	0.598	0.598
Oil & Gas Extraction : Process Losses : Fugitives > Fugitive emissions > CH4	0.368	0.330	0.275	0.297	0.273	0.274	0.271	0.266	0.262	0.261	0.251	0.343	0.334
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	0.327
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	0.000
Oil & Gas Extraction : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.114	0.189	0.101	0.092	0.123	0.102	0.118	0.120	0.110	0.114	0.108	0.101	0.098
Petroleum Marketing : Process Losses : Fugitives > Fugitive emissions > CH4	0.003	0.003	0.001	0.000	0.000	0.003	0.003	0.001	0.001	0.001	0.001	0.003	0.001
Petroleum Marketing : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.008	0.005	0.003	0.002	0.002	0.003	0.002	0.002	0.003	0.003	0.003	0.026	0.027
1B2a - Oil	0.48	0.46	0.47	0.46	0.44	0.46	0.48	0.47	0.46	0.45	0.49	0.52	0.47
1B2ai - Venting	*0.067*	*0.069*	*0.069*	*0.071*	*0.069*	*0.071*	*0.073*	*0.072*	*0.071*	*0.066*	*0.053*	*0.072*	*0.061*
Petroleum Refining > Process emissions > CH4	0.026	0.026	0.026	0.027	0.026	0.027	0.028	0.028	0.027	0.025	0.025	0.051	0.035
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	0.025
1B2aii - Flaring	*0.057*	*0.058*	*0.058*	*0.059*	*0.058*	*0.060*	*0.061*	*0.061*	*0.060*	*0.055*	*0.055*	*0.128*	*0.106*
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	0.008	0.006
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	0.099
Petroleum Refining > Flaring > N2O	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.001	0.000	0.000
1B2aiii - All Other	*0.358*	*0.331*	*0.338*	*0.330*	*0.315*	*0.334*	*0.341*	*0.338*	*0.330*	*0.324*	*0.377*	*0.322*	*0.305*
Petroleum Refining : Process Losses : Fugitives > Fugitive emissions > CH4	0.045	0.021	0.019	0.015	0.012	0.020	0.020	0.021	0.017	0.008	0.008	0.012	0.011
Petroleum Refining : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.018	0.009	0.015	0.006	0.003	0.003	0.003	0.003	0.003	0.028	0.004	0.001	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	0.293
1B2b - Natural Gas	2.82	2.48	2.28	2.18	2.28	2.14	2.21	2.25	2.29	2.23	2.25	2.09	2.36
Pipelines : Natural Gas : Fugitives > Fugitive emissions > CH4	2.821	2.481	2.274	2.181	2.277	2.133	2.208	2.251	2.284	2.226	2.249	2.090	2.354
Pipelines : Natural Gas : Fugitives > Fugitive emissions > CO2	0.003	0.003	0.003	0.003	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.002	0.003
1B3 - Geothermal Energy Production	**1.13**	**1.11**	**1.11**	**1.10**	**1.12**	**1.12**	**1.10**	**1.11**	**1.09**	**1.31**	**1.10**	**1.22**	**0.83**
Imported Electricity : Specified Imports : Nevada : Caithness Dixie Valley (NV) > Electricity generation - Primarily Geothermal > CO2	0.076	0.073	0.075	0.070	0.080	0.081	0.079	0.076	0.061	0.070	0.064	0.036	0.036
Imported Electricity : Specified Imports : Utah : Blundell (UT) > Electricity generation - Primarily Geothermal > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.001	0.000	0.000
In State Generation : Merchant Owned > Geothermal power - Geothermal > CH4										0.000	0.000	0.088	0.000
In State Generation : Merchant Owned > Geothermal power - Geothermal > CO2	1.050	1.039	1.014	1.018	1.028	1.031	1.011	1.025	1.019	1.227	1.024	1.086	0.780
In State Generation : Merchant Owned > Geothermal power - Geothermal > N2O										0.000	0.000		0.000
In State Generation : Utility Owned > Geothermal power - Geothermal > CO2	0.000	0.000	0.016	0.014	0.014	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.012

California Environmental Protection Agency

Air Resources Board

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1B4 - Pollution control devices	**0.11**	**0.11**	**0.11**	**0.11**	**0.11**	**0.11**	**0.11**	**0.11**	**0.10**	**0.10**	**0.06**	**0.05**	**0.02**
In State Generation : CHP: Industrial > Acid gas control > CO2	0.084	0.082	0.083	0.081	0.081	0.083	0.084	0.082	0.077	0.073	0.023	0.023	0.001
In State Generation : Merchant Owned > Acid gas control > CO2	0.028	0.028	0.028	0.027	0.028	0.028	0.029	0.028	0.026	0.025	0.033	0.031	0.017
2 - Industrial Processes and Product Use	**19.97**	**19.74**	**19.99**	**20.55**	**21.36**	**22.26**	**23.20**	**23.82**	**24.47**	**23.25**	**25.34**	**30.58**	**31.95**
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***	***4.69***
2A1 - Cement Production	**5.43**	**5.52**	**5.60**	**5.68**	**5.77**	**5.85**	**5.80**	**5.55**	**5.28**	**3.60**	**3.46**	**4.08**	**4.65**
Manufacturing : Stone, Clay, Glass & Cement : Cement > Clinker production > CO2	5.433	5.517	5.601	5.684	5.768	5.852	5.797	5.551	5.285	3.601	3.458	4.076	4.654
2A2 - Lime Production	**0.07**	**0.07**	**0.06**	**0.06**	**0.08**	**0.07**	**0.07**	**0.05**	**0.04**	**0.03**	**0.03**	**0.04**	**0.04**
Manufacturing : Stone, Clay, Glass & Cement : Lime > Lime production > CO2	0.072	0.068	0.059	0.058	0.076	0.072	0.066	0.055	0.044	0.029	0.032	0.039	0.038
2B - Chemical Industry	***0.05***	***0.05***	***0.05***	***0.05***	***0.05***	***0.05***	***0.05***	***0.05***	***0.05***	***0.05***	***0.05***	***0.03***	***0.05***
2B2 - Nitric Acid Production	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.03**	**0.05**
Manufacturing : Chemicals & Allied Products : Nitric Acid > Nitric acid production > N2O	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.030	0.049
2D - Non-Energy Products from Fuels and Solvent Use	***2.46***	***2.23***	***2.13***	***2.03***	***1.98***	***1.97***	***1.94***	***2.00***	***1.88***	***1.69***	***1.87***	***1.77***	***1.64***
2D1 - Lubricant Use	**2.09**	**1.92**	**1.89**	**1.75**	**1.77**	**1.77**	**1.72**	**1.78**	**1.65**	**1.48**	**1.65**	**1.56**	**1.44**
Not Specified Industrial > Fuel consumption - Lubricants > CO2	0.897	0.822	0.812	0.751	0.761	0.757	0.737	0.761	0.707	0.635	0.706	0.670	0.616
Not Specified Transportation > Fuel consumption - Lubricants > CO2	1.196	1.096	1.083	1.001	1.014	1.009	0.983	1.015	0.942	0.847	0.941	0.893	0.822
2D3 - Solvent Use	**0.36**	**0.32**	**0.23**	**0.27**	**0.21**	**0.20**	**0.22**	**0.22**	**0.23**	**0.21**	**0.22**	**0.21**	**0.21**
Solvents & Chemicals : Evaporative losses : Fugitives > Fugitive emissions > CO2	0.364	0.316	0.233	0.275	0.210	0.204	0.224	0.225	0.227	0.211	0.219	0.207	0.206
2E - Electronics Industry	***0.70***	***0.50***	***0.47***	***0.48***	***0.40***	***0.36***	***0.39***	***0.36***	***0.36***	***0.23***	***0.29***	***0.53***	***0.45***
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C2F6	0.352	0.247	0.258	0.232	0.216	0.196	0.212	0.203	0.179	0.125	0.162	0.184	0.188
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C3F8	0.147	0.113	0.078	0.107	0.043	0.032	0.034	0.037	0.069	0.023	0.021	0.188	0.116
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C4F8	0.000	0.000	0.006	0.009	0.009	0.012	0.012	0.005	0.005	0.002	0.002	0.009	0.009
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > CF4	0.118	0.083	0.071	0.063	0.063	0.059	0.061	0.062	0.057	0.043	0.057	0.085	0.080
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > HFC-23	0.018	0.012	0.012	0.012	0.012	0.012	0.014	0.014	0.013	0.010	0.013	0.011	0.012
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > NF3	0.005	0.006	0.015	0.014	0.013	0.011	0.016	0.011	0.011	0.009	0.008	0.010	0.010
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > SF6	0.058	0.039	0.035	0.041	0.039	0.043	0.041	0.032	0.029	0.022	0.028	0.038	0.036
2F - Product Uses as Substitutes for Ozone Depleting Substances	***7.00***	***7.17***	***7.37***	***8.06***	***8.87***	***9.71***	***10.41***	***11.16***	***12.24***	***13.49***	***15.36***	***16.58***	***17.73***
Not Specified Commercial > Use of substitutes for ozone depleting substances - Aerosols > HFC-134a	0.896	0.734	0.570	0.530	0.487	0.441	0.392	0.341	0.312	0.287	0.260	0.260	0.260
Not Specified Commercial > Use of substitutes for ozone depleting substances - Aerosols > Other ODS substitutes	0.028	0.049	0.070	0.079	0.088	0.097	0.107	0.117	0.125	0.132	0.139	0.140	0.142
Not Specified Commercial > Use of substitutes for ozone depleting substances - Fire Protection > CF4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.000	0.000

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Not Specified Commercial > Use of substitutes for ozone depleting substances - Fire Protection > HFC-125	0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Not Specified Commercial > Use of substitutes for ozone depleting substances - Fire Protection > HFC-236fa	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
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	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	0.008	0.044	0.064	0.076
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	0.015
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-125	0.283	0.381	0.500	0.634	0.807	0.982	1.178	1.379	1.595	1.863	2.219	2.474	2.697
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-134a	0.354	0.423	0.494	0.573	0.669	0.759	0.859	0.970	1.094	1.247	1.435	1.600	1.733
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-143a	0.382	0.495	0.628	0.773	0.966	1.159	1.367	1.583	1.812	2.069	2.388	2.541	2.651
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-236fa	0.048	0.052	0.056	0.060	0.066	0.069	0.072	0.075	0.078	0.082	0.083	0.086	0.087
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-32	0.003	0.006	0.011	0.017	0.024	0.032	0.041	0.051	0.061	0.077	0.103	0.130	0.158
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	0.000
Not Specified Industrial > Use of substitutes for ozone depleting substances - Aerosols > HFC-134a	0.122	0.100	0.078	0.072	0.066	0.060	0.054	0.047	0.042	0.039	0.035	0.035	0.035
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	0.041	0.043	0.043	0.044
Not Specified Industrial > Use of substitutes for ozone depleting substances - Fire Protection > CF4	0.000	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	0.001	0.001	0.001	0.001	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	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	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	0.047	0.254	0.368	0.439
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	0.084	0.114	0.088	0.070	0.066
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-125	0.072	0.092	0.115	0.140	0.174	0.208	0.243	0.279	0.320	0.362	0.430	0.465	0.496
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-134a	0.268	0.321	0.368	0.426	0.488	0.570	0.627	0.688	0.770	0.850	0.931	0.972	1.023
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-143a	0.103	0.130	0.162	0.195	0.241	0.287	0.333	0.380	0.433	0.487	0.560	0.584	0.601
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-236fa	0.014	0.015	0.017	0.018	0.020	0.021	0.021	0.022	0.023	0.024	0.025	0.026	0.026
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	0.011	0.014
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	0.000
Not Specified Industrial > Use of substitutes for ozone depleting substances - Solvents > CF4	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
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	0.028
Not Specified Residential > Use of substitutes for ozone depleting substances - Aerosols > HFC-134a	1.927	1.691	1.449	1.401	1.349	1.264	1.173	1.077	1.058	1.050	1.038	1.080	1.122

California Environmental Protection Agency

Air Resources Board

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Not Specified Residential > Use of substitutes for ozone depleting substances - Aerosols > Other ODS substitutes	0.178	0.315	0.456	0.511	0.569	0.628	0.690	0.753	0.808	0.852	0.897	0.909	0.921
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	0.020	0.107	0.154	0.184
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	0.018
Not Specified Residential > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-125	0.000	0.004	0.016	0.029	0.050	0.077	0.112	0.155	0.199	0.251	0.504	0.752	1.011
Not Specified Residential > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-134a	0.002	0.002	0.003	0.003	0.004	0.006	0.011	0.014	0.016	0.020	0.028	0.037	0.047
Not Specified Residential > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-32	0.000	0.001	0.003	0.006	0.010	0.015	0.022	0.030	0.038	0.048	0.097	0.145	0.195
Not Specified Transportation > Use of substitutes for ozone depleting substances - Aerosols > HFC-134a	1.221	1.002	0.777	0.722	0.664	0.601	0.535	0.465	0.425	0.391	0.355	0.355	0.354
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	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	0.000
Not Specified Transportation > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-125	0.011	0.014	0.017	0.020	0.024	0.029	0.033	0.038	0.047	0.049	0.049	0.050	0.051
Not Specified Transportation > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-134a	1.029	1.251	1.446	1.695	1.932	2.203	2.321	2.458	2.697	2.901	3.074	3.073	3.139
Not Specified Transportation > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-143a	0.017	0.021	0.026	0.030	0.036	0.044	0.050	0.057	0.071	0.074	0.074	0.075	0.077
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	0.000
2G - Other Product Manufacture and Use	***0.95***	***0.86***	***0.92***	***0.87***	***0.90***	***0.90***	***0.96***	***0.97***	***0.95***	***0.88***	***0.93***	***0.88***	***0.85***
2G1 - Electrical Equipment	**0.33**	**0.32**	**0.30**	**0.29**	**0.30**	**0.29**	**0.28**	**0.26**	**0.27**	**0.26**	**0.24**	**0.24**	**0.23**
2G1b - Use of Electrical Equipment	0.33	0.32	0.30	0.29	0.30	0.29	0.28	0.26	0.27	0.26	0.24	0.24	0.23
Imported Electricity : Transmission and Distribution > Electricity transmitted > SF6	0.089	0.098	0.108	0.100	0.103	0.097	0.083	0.087	0.093	0.085	0.077	0.080	0.079
In State Generation : Transmission and Distribution > Electricity transmitted > SF6	0.241	0.226	0.195	0.195	0.192	0.194	0.196	0.174	0.174	0.173	0.165	0.162	0.155
2G4 - CO2, Limestone or Soda Ash consumption	**0.62**	**0.53**	**0.62**	**0.57**	**0.61**	**0.61**	**0.68**	**0.71**	**0.68**	**0.62**	**0.69**	**0.64**	**0.61**
Not Specified Industrial > CO2 consumption > CO2	0.169	0.097	0.121	0.159	0.147	0.161	0.208	0.227	0.216	0.216	0.266	0.218	0.218
Not Specified Industrial > Limestone and dolomite consumption > CO2	0.132	0.120	0.184	0.106	0.141	0.125	0.165	0.183	0.173	0.158	0.162	0.162	0.140
Not Specified Industrial > Soda ash consumption > CO2	0.321	0.317	0.315	0.308	0.319	0.322	0.307	0.304	0.295	0.248	0.260	0.261	0.253
2H - Other	***3.31***	***3.35***	***3.39***	***3.33***	***3.31***	***3.34***	***3.58***	***3.67***	***3.67***	***3.27***	***3.36***	***6.68***	***6.54***
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**	**6.68**	**6.54**
Petroleum Refining : Transformation > Fuel consumption - Natural gas > CO2	1.712	1.782	1.808	1.776	1.766	1.785	1.913	1.965	1.965	1.894	1.185	1.820	1.931
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	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	4.856	4.611

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
3 - Agriculture, Forestry and Other Land Use	**28.70**	**28.92**	**31.60**	**32.13**	**31.73**	**31.92**	**32.42**	**33.23**	**34.07**	**33.19**	**32.92**	**32.68**	**34.14**
3A - Livestock	***19.66***	***20.44***	***21.06***	***21.63***	***21.06***	***21.81***	***22.22***	***23.73***	***24.09***	***23.88***	***23.35***	***23.38***	***23.92***
3A1 - Enteric Fermentation	**10.26**	**10.45**	**10.74**	**10.89**	**10.78**	**11.14**	**11.24**	**11.93**	**11.89**	**11.71**	**11.51**	**11.49**	**11.78**
3A1a - Cattle	9.90	10.08	10.36	10.48	10.35	10.66	10.76	11.46	11.43	11.22	11.02	11.00	11.30
3A1ai - Dairy Cows	*6.634*	*6.860*	*7.155*	*7.298*	*7.226*	*7.452*	*7.652*	*8.084*	*8.216*	*8.135*	*7.951*	*7.991*	*8.220*
Livestock population - Dairy calves > CH4	0.239	0.239	0.247	0.257	0.256	0.262	0.267	0.281	0.288	0.287	0.275	0.274	0.282
Livestock population - Dairy cows > CH4	5.268	5.457	5.712	5.827	5.859	6.029	6.192	6.558	6.681	6.627	6.508	6.533	6.641
Livestock population - Dairy replacements 0-12 months > CH4	0.247	0.254	0.263	0.262	0.245	0.259	0.261	0.274	0.272	0.270	0.256	0.260	0.281
Livestock population - Dairy replacements 12-24 months > CH4	0.880	0.910	0.933	0.952	0.866	0.902	0.932	0.970	0.975	0.952	0.913	0.924	1.017
3A1aii - Other Cattle	*3.264*	*3.221*	*3.210*	*3.185*	*3.125*	*3.212*	*3.110*	*3.376*	*3.210*	*3.086*	*3.073*	*3.007*	*3.080*
Livestock population - Beef calves > CH4	0.109	0.109	0.107	0.101	0.099	0.098	0.092	0.101	0.092	0.088	0.088	0.087	0.088
Livestock population - Beef cows > CH4	1.794	1.772	1.729	1.710	1.676	1.679	1.597	1.758	1.645	1.557	1.532	1.507	1.557
Livestock population - Beef replacements 0-12 months > CH4	0.049	0.046	0.045	0.044	0.044	0.046	0.042	0.047	0.041	0.043	0.044	0.042	0.042
Livestock population - Beef replacements 12-24 months > CH4	0.134	0.129	0.125	0.123	0.119	0.125	0.116	0.130	0.115	0.120	0.125	0.115	0.115
Livestock population - Bulls > CH4	0.163	0.163	0.152	0.155	0.156	0.169	0.182	0.182	0.182	0.169	0.182	0.182	0.182
Livestock population - Heifer feedlot > CH4	0.136	0.141	0.153	0.170	0.162	0.170	0.180	0.187	0.186	0.175	0.171	0.173	0.180
Livestock population - Heifer stockers > CH4	0.140	0.136	0.137	0.132	0.128	0.147	0.138	0.137	0.144	0.143	0.174	0.170	0.167
Livestock population - Steer feedlot > CH4	0.235	0.239	0.268	0.299	0.281	0.296	0.318	0.336	0.336	0.319	0.308	0.307	0.319
Livestock population - Steer stockers > CH4	0.504	0.486	0.493	0.451	0.460	0.482	0.445	0.498	0.468	0.472	0.448	0.425	0.430
3A1c - Sheep	0.16	0.16	0.15	0.15	0.14	0.14	0.13	0.12	0.12	0.13	0.12	0.12	0.11
Livestock population - Sheep > CH4	0.162	0.161	0.151	0.146	0.135	0.138	0.130	0.122	0.124	0.132	0.122	0.120	0.114
3A1d - Goats	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Livestock population - Goats > CH4	0.010	0.012	0.013	0.013	0.014	0.015	0.016	0.017	0.016	0.017	0.017	0.018	0.018
3A1f - Horses	0.18	0.19	0.20	0.24	0.27	0.31	0.32	0.32	0.32	0.33	0.34	0.35	0.35
Livestock population - Horses > CH4	0.179	0.188	0.205	0.239	0.273	0.314	0.325	0.325	0.325	0.335	0.342	0.347	0.347
3A1h - Swine	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
Livestock population - Swine > CH4	0.006	0.004	0.006	0.005	0.005	0.005	0.005	0.006	0.003	0.004	0.004	0.004	0.004
3A2 - Manure Management	**9.40**	**10.00**	**10.32**	**10.75**	**10.28**	**10.67**	**10.98**	**11.80**	**12.20**	**12.17**	**11.84**	**11.89**	**12.14**
3A2a - Cattle	9.02	9.63	9.94	10.38	9.92	10.31	10.63	11.43	11.87	11.83	11.50	11.55	11.80
3A2ai - Dairy Cows	*8.678*	*9.282*	*9.562*	*9.972*	*9.536*	*9.906*	*10.202*	*11.001*	*11.451*	*11.436*	*11.113*	*11.164*	*11.403*
Anaerobic digester > Livestock population - Dairy cows > CH4	0.001	0.002	0.005	0.017	0.018	0.052	0.037	0.109	0.084	0.039	0.041	0.043	0.043
Anaerobic digester > Livestock population - Dairy cows > N2O	0.000	0.002	0.005	0.007	0.008	0.014	0.007	0.020	0.013	0.007	0.007	0.007	0.007
Anaerobic lagoon > Livestock population - Dairy cows > CH4	6.423	6.903	7.165	7.456	7.173	7.475	7.623	8.253	8.692	8.718	8.535	8.560	8.711
Anaerobic lagoon > Livestock population - Dairy cows > N2O	0.290	0.302	0.317	0.325	0.318	0.325	0.336	0.331	0.332	0.334	0.327	0.327	0.333
Daily spread > Livestock population - Dairy cows > CH4	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.011	0.011	0.010	0.010	0.011
Daily spread > Livestock population - Dairy cows > N2O	0.013	0.013	0.014	0.014	0.013	0.014	0.014	0.014	0.014	0.014	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	0.002	0.002	0.001	0.001	0.001	0.002
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	0.003
Deep pit > Livestock population - Dairy cows > CH4	0.012	0.013	0.013	0.012	0.010	0.009	0.008	0.007	0.007	0.007	0.007	0.007	0.007
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	0.001
Dry lot > Livestock population - Dairy heifers > CH4	0.032	0.033	0.034	0.035	0.031	0.033	0.034	0.037	0.037	0.036	0.035	0.035	0.039
Dry lot > Livestock population - Dairy heifers > N2O	0.480	0.497	0.513	0.522	0.468	0.490	0.504	0.501	0.487	0.478	0.458	0.464	0.510
Liquid/slurry > Livestock population - Dairy cows > CH4	1.080	1.158	1.129	1.209	1.130	1.124	1.247	1.333	1.391	1.406	1.304	1.319	1.343

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Liquid/slurry > Livestock population - Dairy cows > N2O	0.184	0.188	0.192	0.194	0.189	0.191	0.206	0.202	0.200	0.204	0.199	0.200	0.203
Liquid/slurry > Livestock population - Dairy heifers > CH4	0.007	0.008	0.008	0.008	0.007	0.007	0.008	0.008	0.009	0.008	0.008	0.008	0.009
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	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	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	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	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	0.000
Solid storage > Livestock population - Dairy cows > CH4	0.056	0.058	0.061	0.063	0.062	0.063	0.065	0.072	0.073	0.072	0.071	0.072	0.073
Solid storage > Livestock population - Dairy cows > N2O	0.081	0.085	0.089	0.091	0.089	0.091	0.093	0.094	0.093	0.092	0.090	0.090	0.092
3A2aii - Other Cattle	*0.344*	*0.348*	*0.375*	*0.403*	*0.385*	*0.403*	*0.424*	*0.429*	*0.419*	*0.398*	*0.387*	*0.387*	*0.401*
Dry lot > Livestock population - Feedlot - heifers 500+ lbs > CH4	0.008	0.008	0.008	0.009	0.009	0.009	0.010	0.010	0.009	0.009	0.009	0.009	0.009
Dry lot > Livestock population - Feedlot - heifers 500+ lbs > N2O	0.078	0.080	0.087	0.095	0.091	0.096	0.102	0.099	0.097	0.091	0.089	0.090	0.094
Dry lot > Livestock population - Feedlot - steers 500+ lbs > CH4	0.013	0.013	0.015	0.017	0.016	0.016	0.018	0.017	0.017	0.016	0.016	0.015	0.016
Dry lot > Livestock population - Feedlot - steers 500+ lbs > N2O	0.141	0.142	0.160	0.177	0.166	0.175	0.189	0.186	0.184	0.175	0.168	0.167	0.175
Liquid/slurry > Livestock population - Feedlot - heifers 500+ lbs > CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	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	0.000
Liquid/slurry > Livestock population - Feedlot - steers 500+ lbs > CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	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	0.000
Pasture > Livestock population - Not on feed - beef cows > CH4	0.054	0.053	0.052	0.051	0.050	0.050	0.048	0.056	0.052	0.049	0.049	0.048	0.049
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	0.000
Pasture > Livestock population - Not on feed - bulls 500+ lbs > CH4	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.005	0.006	0.006	0.006
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	0.000
Pasture > Livestock population - Not on feed - calves <500 lbs > CH4	0.018	0.018	0.019	0.020	0.020	0.021	0.023	0.023	0.023	0.021	0.020	0.022	0.022
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	0.000
Pasture > Livestock population - Not on feed - heifers 500+ lbs > CH4	0.009	0.009	0.009	0.008	0.008	0.009	0.008	0.010	0.009	0.009	0.010	0.010	0.010
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	0.000
Pasture > Livestock population - Not on feed - steers 500+ lbs > CH4	0.014	0.014	0.014	0.013	0.013	0.014	0.013	0.015	0.014	0.014	0.014	0.013	0.013
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	0.000
3A2c - Sheep	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.03
Dry lot > Livestock population - Sheep > CH4	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.004	0.003	0.003	0.003
Dry lot > Livestock population - Sheep > N2O	0.025	0.028	0.027	0.026	0.024	0.025	0.024	0.022	0.023	0.024	0.023	0.022	0.021
Pasture > Livestock population - Sheep > CH4	0.011	0.011	0.010	0.009	0.009	0.009	0.008	0.007	0.008	0.008	0.007	0.007	0.007
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	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	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	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	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	0.001
Pasture > Livestock population - Goats > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3A2f - Horses	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.09
Dry lot > Livestock population - Horses > CH4	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Dry lot > Livestock population - Horses > N2O	0.015	0.015	0.017	0.019	0.021	0.024	0.024	0.024	0.023	0.024	0.024	0.025	0.025
Pasture > Livestock population - Horses > CH4	0.045	0.046	0.048	0.053	0.058	0.063	0.061	0.058	0.054	0.056	0.057	0.058	0.058
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	0.000
3A2h - Swine	0.06	0.05	0.07	0.06	0.06	0.06	0.06	0.07	0.04	0.05	0.05	0.05	0.05
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	0.000

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
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	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	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	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	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	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	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	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	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	0.000
Anaerobic lagoon > Livestock population - Swine - breeding > CH4	0.010	0.010	0.011	0.011	0.011	0.011	0.010	0.010	0.006	0.004	0.005	0.003	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	0.000
Anaerobic lagoon > Livestock population - Swine - market < 50 lbs > CH4	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004	0.003	0.003	0.004	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	0.000
Anaerobic lagoon > Livestock population - Swine - market 120-179 lbs > CH4	0.016	0.004	0.010	0.010	0.009	0.009	0.007	0.011	0.008	0.007	0.006	0.009	0.009
Anaerobic lagoon > Livestock population - Swine - market 120-179 lbs > N2O	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anaerobic lagoon > Livestock population - Swine - market 180+ lbs > CH4	0.005	0.009	0.013	0.013	0.015	0.012	0.011	0.013	0.005	0.016	0.012	0.013	0.013
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	0.001
Anaerobic lagoon > Livestock population - Swine - market 50-119 lbs > CH4	0.009	0.005	0.007	0.005	0.007	0.007	0.008	0.007	0.004	0.004	0.006	0.006	0.006
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	0.000
Deep pit > Livestock population - Swine - breeding > CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	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	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	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	0.000
Deep pit > Livestock population - Swine - market 120-179 lbs > CH4	0.004	0.001	0.003	0.003	0.003	0.002	0.002	0.003	0.002	0.002	0.002	0.002	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	0.000
Deep pit > Livestock population - Swine - market 180+ lbs > CH4	0.001	0.003	0.004	0.004	0.004	0.003	0.003	0.004	0.001	0.004	0.003	0.003	0.003
Deep pit > Livestock population - Swine - market 180+ lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Deep pit > Livestock population - Swine - market 50-119 lbs > CH4	0.002	0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.001	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	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	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	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	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	0.000
Liquid/slurry > Livestock population - Swine - market 120-179 lbs > CH4	0.001	0.000	0.001	0.001	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.001	0.001
Liquid/slurry > Livestock population - Swine - market 120-179 lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	0.000
Liquid/slurry > Livestock population - Swine - market 50-119 lbs > CH4	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.001	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	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	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	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	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	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	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	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	0.000

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
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	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	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	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	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	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	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	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	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	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	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	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	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	0.000
3A2i - Poultry	0.21	0.21	0.20	0.19	0.17	0.17	0.17	0.18	0.17	0.17	0.17	0.17	0.17
Anaerobic lagoon > Livestock population - Hens 1+ yr > CH4	0.093	0.094	0.090	0.082	0.074	0.076	0.075	0.081	0.079	0.077	0.074	0.076	0.078
Anaerobic lagoon > Livestock population - Hens 1+ yr > N2O	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Anaerobic lagoon > Livestock population - Other chickens > CH4	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000
Anaerobic lagoon > Livestock population - Pullets > CH4	0.021	0.019	0.019	0.019	0.016	0.016	0.012	0.016	0.016	0.015	0.019	0.019	0.017
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	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	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	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	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	0.000
Poultry with bedding > Livestock population - Broilers > CH4	0.008	0.008	0.009	0.008	0.008	0.008	0.008	0.008	0.007	0.007	0.007	0.005	0.005
Poultry with bedding > Livestock population - Broilers > N2O	0.010	0.010	0.010	0.010	0.009	0.009	0.009	0.008	0.008	0.008	0.008	0.006	0.005
Poultry with bedding > Livestock population - Turkeys > CH4	0.012	0.013	0.012	0.011	0.010	0.009	0.010	0.010	0.010	0.009	0.009	0.009	0.010
Poultry with bedding > Livestock population - Turkeys > N2O	0.017	0.018	0.017	0.016	0.014	0.013	0.014	0.014	0.014	0.013	0.013	0.013	0.013
Poultry without bedding > Livestock population - Hens 1+ yr > CH4	0.014	0.014	0.013	0.012	0.011	0.011	0.011	0.012	0.011	0.011	0.011	0.011	0.011
Poultry without bedding > Livestock population - Hens 1+ yr > N2O	0.021	0.021	0.021	0.019	0.018	0.018	0.018	0.020	0.019	0.019	0.018	0.019	0.019
Poultry without bedding > Livestock population - Other chickens > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Poultry without bedding > Livestock population - Other chickens > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Poultry without bedding > Livestock population - Pullets > CH4	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003
Poultry without bedding > Livestock population - Pullets > N2O	0.005	0.004	0.004	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.005	0.005	0.004
3C - Aggregate Sources and Non-CO2 Emissions Sources on Land	***9.05***	***8.48***	***10.54***	***10.49***	***10.67***	***10.11***	***10.20***	***9.50***	***9.98***	***9.31***	***9.57***	***9.30***	***10.22***
3C1 - Emissions from Biomass Burning	**0.08**	**0.06**	**0.06**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.08**	**0.08**	**0.08**
3C1b - Biomass Burning in Croplands	0.08	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
Crop acreage burned - Almond > CH4	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.012	0.013	0.014	0.014	0.014	0.015
Crop acreage burned - Almond > N2O	0.020	0.020	0.021	0.021	0.022	0.023	0.023	0.025	0.026	0.028	0.028	0.029	0.030
Crop acreage burned - Barley > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Crop acreage burned - Barley > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Crop acreage burned - Corn > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Crop acreage burned - Corn > N2O	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.000	0.001
Crop acreage burned - Rice > CH4	0.007	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Crop acreage burned - Rice > N2O	0.024	0.012	0.011	0.012	0.012	0.011	0.011	0.011	0.010	0.009	0.009	0.009	0.008
Crop acreage burned - Walnut > CH4	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006
Crop acreage burned - Walnut > N2O	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008
Crop acreage burned - Wheat > CH4	0.004	0.003	0.003	0.004	0.003	0.003	0.002	0.003	0.004	0.004	0.003	0.004	0.003
Crop acreage burned - Wheat > N2O	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.003	0.002
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**	**0.23**
Dolomite applied to soils > CO2	0.003	0.001	0.002	0.002	0.008	0.007	0.002	0.001	0.001	0.001	0.003	0.002	0.002
Limestone applied to soils > CO2	0.263	0.161	0.231	0.236	0.227	0.291	0.483	0.255	0.170	0.168	0.174	0.170	0.227
3C4 - Direct N2O Emissions from Managed Soils	**5.82**	**5.61**	**7.02**	**7.01**	**7.03**	**6.64**	**6.57**	**6.19**	**6.65**	**6.07**	**6.26**	**6.03**	**6.71**
Drained histosols > N2O	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149	0.149
Nitrogen applied in fertilizer - Organic fertilizers > N2O	0.042	0.013	0.020	0.027	0.010	0.015	0.010	0.004	0.014	0.028	0.000	0.001	0.022
Nitrogen applied in fertilizer - Synthetic fertilizers > N2O	2.837	2.611	3.930	3.886	3.903	3.503	3.412	3.155	3.621	3.109	3.379	3.119	3.730
Nitrogen in crop residues > N2O	0.355	0.357	0.386	0.377	0.452	0.359	0.356	0.381	0.426	0.397	0.390	0.402	0.399
Nitrogen in managed manure > N2O	0.994	1.027	1.070	1.093	1.048	1.077	1.114	1.118	1.096	1.085	1.058	1.060	1.092
Nitrogen in unmanaged manure - Cattle, swine, poultry > N2O	1.331	1.338	1.345	1.344	1.327	1.377	1.371	1.228	1.190	1.141	1.128	1.134	1.155
Nitrogen in unmanaged manure - Sheep, goat, horse > N2O	0.115	0.116	0.121	0.133	0.144	0.159	0.160	0.156	0.154	0.159	0.160	0.161	0.160
3C5 - Indirect N2O Emissions from Managed Soils	**1.69**	**1.62**	**2.08**	**2.08**	**2.06**	**1.96**	**1.95**	**1.83**	**1.97**	**1.79**	**1.86**	**1.77**	**2.00**
Nitrogen applied in fertilizer - Organic fertilizers > N2O	0.018	0.005	0.009	0.011	0.004	0.006	0.004	0.002	0.006	0.012	0.000	0.000	0.009
Nitrogen applied in fertilizer - Synthetic fertilizers > N2O	0.922	0.849	1.277	1.263	1.268	1.139	1.109	1.025	1.177	1.010	1.098	1.014	1.213
Nitrogen in managed manure > N2O	0.422	0.437	0.455	0.465	0.445	0.458	0.473	0.475	0.466	0.461	0.450	0.450	0.464
Nitrogen in unmanaged manure - Cattle, swine, poultry > N2O	0.283	0.284	0.286	0.286	0.282	0.293	0.291	0.261	0.253	0.243	0.240	0.241	0.246
Nitrogen in unmanaged manure - Sheep, goat, horse > N2O	0.049	0.049	0.051	0.057	0.061	0.068	0.068	0.066	0.065	0.068	0.068	0.069	0.068
3C7 - Rice Cultivations	**1.19**	**1.02**	**1.14**	**1.10**	**1.28**	**1.14**	**1.13**	**1.15**	**1.12**	**1.20**	**1.20**	**1.26**	**1.20**
Rice crop area > CH4	1.186	1.020	1.143	1.098	1.277	1.139	1.132	1.154	1.119	1.204	1.197	1.256	1.204
4 - Waste	**9.84**	**9.95**	**9.90**	**10.02**	**10.05**	**10.25**	**10.28**	**10.44**	**10.56**	**10.63**	**10.79**	**10.86**	**10.91**
4A - Solid Waste Disposal	***7.11***	***7.23***	***7.14***	***7.26***	***7.24***	***7.40***	***7.42***	***7.53***	***7.66***	***7.78***	***7.86***	***7.92***	***7.97***
4A1 - Managed Waste Disposal Sites	**7.11**	**7.23**	**7.14**	**7.26**	**7.24**	**7.40**	**7.42**	**7.53**	**7.66**	**7.78**	**7.86**	**7.92**	**7.97**
Landfills > Landfill gas generation - Landfill gas > CH4	7.111	7.225	7.141	7.261	7.240	7.394	7.418	7.527	7.660	7.777	7.862	7.921	7.973
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	0.001
4B - Biological Treatment of Solid Waste	***0.24***	***0.26***	***0.29***	***0.31***	***0.33***	***0.36***	***0.38***	***0.40***	***0.43***	***0.45***	***0.47***	***0.50***	***0.52***
Solid Waste Treatment : Composting > Feedstock processed > CH4	0.190	0.208	0.227	0.246	0.264	0.283	0.301	0.320	0.338	0.357	0.375	0.394	0.412
Solid Waste Treatment : Composting > Feedstock processed > N2O	0.050	0.055	0.059	0.064	0.069	0.074	0.079	0.084	0.088	0.093	0.098	0.103	0.108
4D - Wastewater Treatment and Discharge	***2.49***	***2.46***	***2.47***	***2.45***	***2.47***	***2.50***	***2.49***	***2.51***	***2.47***	***2.41***	***2.45***	***2.44***	***2.42***
4D1 - Domestic Wastewater Treatment and Discharge	**1.60**	**1.61**	**1.59**	**1.59**	**1.59**	**1.60**	**1.59**	**1.60**	**1.59**	**1.59**	**1.59**	**1.58**	**1.54**
Wastewater Treatment : Domestic Wastewater : Anaerobic Digesters > Biogas production > CH4	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.024	0.024	0.024	0.024	0.024	0.024
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	0.000
Wastewater Treatment : Domestic Wastewater : Centralized Anaerobic > California population > CH4	0.574	0.560	0.545	0.528	0.511	0.509	0.492	0.486	0.469	0.450	0.443	0.424	0.406
Wastewater Treatment : Domestic Wastewater : Effluent Emissions > California population > N2O	0.629	0.650	0.640	0.648	0.662	0.678	0.683	0.691	0.701	0.708	0.717	0.725	0.698
Wastewater Treatment : Domestic Wastewater : Plant Emissions > California population > N2O	0.037	0.037	0.038	0.038	0.039	0.039	0.039	0.040	0.040	0.040	0.040	0.041	0.041

California Environmental Protection Agency

Air Resources Board

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Wastewater Treatment : Domestic Wastewater : Septic Systems > California population > CH4	0.332	0.337	0.341	0.346	0.349	0.352	0.354	0.357	0.360	0.362	0.365	0.367	0.370
4D2 - Industrial Wastewater Treatment and Discharge	**0.89**	**0.85**	**0.88**	**0.87**	**0.89**	**0.90**	**0.89**	**0.91**	**0.88**	**0.82**	**0.86**	**0.85**	**0.88**
Manufacturing : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oil & Gas Extraction : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Marketing : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.000
Wastewater Treatment : Industrial Wastewater > Production processed - Citrus fruit > CH4	0.004	0.003	0.003	0.004	0.003	0.004	0.004	0.003	0.004	0.003	0.004	0.004	0.004
Wastewater Treatment : Industrial Wastewater > Production processed - Non-citrus fruit > CH4	0.057	0.050	0.053	0.049	0.047	0.053	0.047	0.051	0.053	0.052	0.056	0.053	0.055
Wastewater Treatment : Industrial Wastewater > Production processed - Other vegetables > CH4	0.060	0.056	0.068	0.057	0.065	0.059	0.060	0.065	0.059	0.062	0.060	0.059	0.060
Wastewater Treatment : Industrial Wastewater > Production processed - Potatoes > CH4	0.005	0.004	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005
Wastewater Treatment : Industrial Wastewater > Production processed - Poultry > CH4	0.044	0.045	0.046	0.046	0.047	0.048	0.048	0.049	0.050	0.048	0.048	0.049	0.050
Wastewater Treatment : Industrial Wastewater > Production processed - Pulp and Paper > CH4	0.614	0.581	0.587	0.583	0.595	0.602	0.599	0.605	0.576	0.520	0.554	0.552	0.569
Wastewater Treatment : Industrial Wastewater > Production processed - Red meat > CH4	0.036	0.038	0.045	0.048	0.048	0.049	0.054	0.056	0.055	0.057	0.057	0.058	0.058
Wastewater Treatment : Industrial Wastewater > Production processed - Wine grapes > CH4	0.006	0.005	0.005	0.005	0.005	0.007	0.006	0.006	0.005	0.006	0.006	0.006	0.007
Wastewater Treatment : Industrial Wastewater > Wastewater flow - Petroleum Refining > CH4	0.067	0.067	0.069	0.069	0.071	0.072	0.072	0.070	0.071	0.068	0.069	0.069	0.069

Summary for Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
California Emissions	**466.32**	**481.23**	**480.32**	**483.05**	**492.86**	**485.13**	**482.52**	**489.16**	**487.10**	**458.44**	**453.06**	**450.94**	**458.68**

California Environmental Protection Agency

Air Resources Board

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

Excluded Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1 - Energy	**54.74**	**48.38**	**53.09**	**47.44**	**51.24**	**54.09**	**56.30**	**58.95**	**55.31**	**54.75**	**54.55**	**49.91**	**47.69**
1A - Fuel Combustion Activities	***54.74***	***48.38***	***53.09***	***47.44***	***51.24***	***54.09***	***56.30***	***58.95***	***55.31***	***54.75***	***54.55***	***49.91***	***47.69***
1A3 - Transport	**50.94**	**44.02**	**48.97**	**43.26**	**47.36**	**50.68**	**53.19**	**56.03**	**52.54**	**52.04**	**51.39**	**47.20**	**44.40**
1A3a - Civil Aviation	35.18	32.51	35.19	33.80	36.18	35.84	36.79	38.44	34.87	34.20	33.50	34.00	32.70
1A3ai - International Aviation (International Bunkers)	*16.794*	*15.171*	*15.722*	*14.555*	*15.779*	*16.187*	*16.830*	*17.546*	*16.619*	*16.468*	*16.203*	*17.049*	*16.445*
Aviation : International Civil Aviation - 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	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	16.301
Aviation : International Civil Aviation - Jet fuel > N2O	0.144	0.130	0.135	0.125	0.136	0.139	0.145	0.151	0.143	0.141	0.139	0.146	0.141
1A3aii - Domestic Aviation	*18.389*	*17.334*	*19.467*	*19.245*	*20.396*	*19.650*	*19.958*	*20.899*	*18.250*	*17.733*	*17.297*	*16.948*	*16.253*
Aviation : Domestic Air transport : Interstate - Jet fuel > CH4	0.003	0.003	0.004	0.003	0.004	0.004	0.004	0.004	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	16.110
Aviation : Domestic Air transport : Interstate - Jet fuel > N2O	0.158	0.149	0.167	0.165	0.175	0.169	0.171	0.180	0.157	0.152	0.149	0.146	0.140
1A3d - Water-borne Navigation	15.75	11.51	13.78	9.46	11.18	14.84	16.40	17.58	17.67	17.84	17.89	13.20	11.70
1A3di - International Water-borne Navigation (International Bunkers)	*15.753*	*11.512*	*13.779*	*9.462*	*11.184*	*14.844*	*16.399*	*17.582*	*17.675*	*17.844*	*17.893*	*13.199*	*11.698*
Water-borne : International Marine Bunker Fuel - Distillate > CH4	0.001	0.000	0.000	0.001	0.000	0.001	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	0.553	0.327	1.208	1.122	0.919	0.684	1.343	0.772	1.089	1.109
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	0.003	0.003
Water-borne : International Marine Bunker Fuel - Residual fuel oil > CH4	0.015	0.011	0.013	0.009	0.011	0.014	0.015	0.017	0.017	0.016	0.017	0.012	0.011
Water-borne : International Marine Bunker Fuel - Residual fuel oil > CO2	14.792	11.034	13.247	8.877	10.820	13.586	15.222	16.604	16.931	16.441	17.061	12.065	10.550
Water-borne : International Marine Bunker Fuel - Residual fuel oil > N2O	0.035	0.026	0.032	0.021	0.026	0.032	0.036	0.040	0.040	0.039	0.041	0.029	0.025
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**	**2.71**	**3.30**
Not Specified Military - Distillate > CH4	0.000	0.000	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.001	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	0.421
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	0.001
1A5b - Mobile	3.74	4.07	3.64	3.66	3.34	3.31	3.00	2.81	2.68	2.56	2.58	2.31	2.87
1A5bi - Mobile (Aviation Component)	*3.736*	*4.069*	*3.640*	*3.661*	*3.338*	*3.313*	*3.004*	*2.807*	*2.682*	*2.562*	*2.584*	*2.308*	*2.874*
Not Specified Military - Jet fuel > 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	0.001
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	2.287	2.849
Not Specified Military - Jet fuel > N2O	0.032	0.035	0.031	0.031	0.029	0.028	0.026	0.024	0.023	0.022	0.022	0.020	0.025

Summary for Excluded Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
International and Interstate Emissions	**54.74**	**48.38**	**53.09**	**47.44**	**51.24**	**54.09**	**56.30**	**58.95**	**55.31**	**54.75**	**54.55**	**49.91**	**47.69**

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

CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1 - Energy	**16.22**	**16.39**	**14.65**	**14.98**	**14.95**	**14.17**	**13.78**	**13.67**	**13.62**	**14.09**	**13.43**	**15.36**	**15.24**
1A - Fuel Combustion Activities	***16.22***	***16.39***	***14.65***	***14.98***	***14.95***	***14.17***	***13.78***	***13.67***	***13.62***	***14.09***	***13.43***	***15.36***	***15.24***
1A1 - Energy Industries	**8.39**	**8.21**	**8.02**	**8.22**	**8.09**	**8.50**	**8.65**	**8.31**	**8.30**	**9.00**	**8.34**	**9.40**	**9.22**
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	9.00	8.34	9.40	9.22
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*	*6.479*
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	4.065
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	0.032
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	1.290
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	0.443
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	0.000
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	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	0.000
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	0.651
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*	*2.266*	*2.018*	*2.639*	*2.743*
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	0.027	0.001	0.028	0.012
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	0.003	0.006	0.040	0.054
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	1.214	1.019	1.266	1.211
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	0.001
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	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	0.011	0.000
CHP: Industrial : Useful Thermal Output - Tires > CO2	0.002	0.000	0.002	0.003	0.004	0.003	0.003	0.003	0.001	0.005	0.000	0.001	0.000
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	0.065	0.003	0.078	0.023
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	0.013	0.007	0.057	0.058
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	0.861	0.728	0.857	1.191
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	0.126
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	0.066
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	0.289	0.000
In State Generation : CHP: Industrial - Tires > CO2	0.005	0.000	0.005	0.006	0.006	0.006	0.004	0.004	0.003	0.000	0.000	0.001	0.000
1A1b - Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.000
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**	**2.36**	**2.42**
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	0.14
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	0.120
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	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	0.025
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	2.28	2.28
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	2.278	2.278
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**	**3.59**	**3.59**
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	0.47	0.47
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	0.469	0.469
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	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	3.123

California Greenhouse Gas Inventory for 2000-2012 — by IPCC Category

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

CO2 from biogenic materials	*2000*	*2001*	*2002*	*2003*	*2004*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*
3 - Agriculture, Forestry and Other Land Use	**1.39**	**1.16**	**1.16**	**1.20**	**1.21**	**1.20**	**1.22**	**1.26**	**1.34**	**1.36**	**1.39**	**1.43**	**1.43**
3C - Aggregate Sources and Non-CO2 Emissions Sources on Land	***1.39***	***1.16***	***1.16***	***1.20***	***1.21***	***1.20***	***1.22***	***1.26***	***1.34***	***1.36***	***1.39***	***1.43***	***1.43***
3C1 - Emissions from Biomass Burning	**1.39**	**1.16**	**1.16**	**1.20**	**1.21**	**1.20**	**1.22**	**1.26**	**1.34**	**1.36**	**1.39**	**1.43**	**1.43**
3C1b - Biomass Burning in Croplands	1.39	1.16	1.16	1.20	1.21	1.20	1.22	1.26	1.34	1.36	1.39	1.43	1.43
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	0.930
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	0.007
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	0.026
Crop acreage burned - Rice > CO2	0.470	0.224	0.218	0.225	0.230	0.215	0.224	0.206	0.200	0.178	0.179	0.173	0.155
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	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	0.087
4 - Waste	**6.19**	**6.51**	**6.75**	**6.73**	**6.80**	**6.95**	**7.13**	**7.21**	**7.28**	**7.37**	**7.47**	**7.51**	**7.54**
4A - Solid Waste Disposal	***6.19***	***6.51***	***6.75***	***6.73***	***6.80***	***6.95***	***7.13***	***7.21***	***7.28***	***7.37***	***7.47***	***7.51***	***7.54***
4A1 - Managed Waste Disposal Sites	**6.19**	**6.51**	**6.75**	**6.73**	**6.80**	**6.95**	**7.13**	**7.21**	**7.28**	**7.37**	**7.47**	**7.51**	**7.54**
Landfills > Landfill gas generation - Landfill gas > CO2	6.192	6.513	6.752	6.729	6.796	6.952	7.129	7.215	7.282	7.365	7.466	7.505	7.538

Summary for CO2 from biogenic materials	*2000*	*2001*	*2002*	*2003*	*2004*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*
Carbon dioxide from Biogenic sources	**23.80**	**24.06**	**22.56**	**22.90**	**22.96**	**22.33**	**22.13**	**22.14**	**22.25**	**22.82**	**22.29**	**24.29**	**24.21**

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This section of the inventory is currently under development