California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
1 - Energy	**409.24**	**424.36**	**421.48**	**422.52**	**431.93**	**423.06**	**419.11**	**424.09**	**420.55**	**394.02**	**386.61**	**379.53**	**383.83**	**383.83**
1A - Fuel Combustion Activities	***401.42***	***416.40***	***412.96***	***414.60***	***424.39***	***415.50***	***410.77***	***415.87***	***412.16***	***385.33***	***378.27***	***371.00***	***375.89***	***375.89***
1A1 - Energy Industries	**159.12**	**175.95**	**161.55**	**167.81**	**172.76**	**163.90**	**157.63**	**165.74**	**171.51**	**154.26**	**144.72**	**137.03**	**144.87**	**144.87**
1A1a - Main Activity Electricity and Heat Production	116.37	132.29	119.12	122.23	127.49	119.41	115.87	124.33	129.70	113.35	102.64	98.66	105.80	100.03
1A1ai - Electricity Generation	*84.804*	*103.488*	*86.517*	*92.858*	*98.058*	*91.186*	*88.839*	*98.216*	*104.626*	*84.154*	*75.812*	*72.112*	*81.075*	*74.604*
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	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	0.080
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	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	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	0.012
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	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	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	0.306
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	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	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	0.125
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	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	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	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	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	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	0.142
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	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	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	3.401
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	0.017
Imported Electricity : Specified Imports : Arizona : Red Hawk (AZ) - Primary fuel: Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.000

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	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	0.715
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	0.000
Imported Electricity : Specified Imports : Arizona : Springerville (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	0.000
Imported Electricity : Specified Imports : Arizona : Springerville (AZ) - 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	0.000	0.000	0.003
Imported Electricity : Specified Imports : Arizona : Springerville (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	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	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	0.127
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	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	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	0.078
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	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	0.004
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	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	0.007
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	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	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	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	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	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	0.000
Imported Electricity : Specified Imports : Colorado : Craig (CO) - 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	0.000
Imported Electricity : Specified Imports : Colorado : Craig (CO) - 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	0.000	0.000	0.000
Imported Electricity : Specified Imports : Colorado : Craig (CO) - 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	0.000
Imported Electricity : Specified Imports : Colorado : Rawhide (CO) - 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	0.000

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Imported Electricity : Specified Imports : Colorado : Rawhide (CO) - 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	0.000
Imported Electricity : Specified Imports : Colorado : Rawhide (CO) - 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	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	0.000
Imported Electricity : Specified Imports : Mexico : La Rosita (MEX) - Primary fuel: Natural Gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.965	0.789	0.687	0.685	1.110	1.012
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	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	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	1.359
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	0.001
Imported Electricity : Specified Imports : Montana : Colstrip (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	0.000
Imported Electricity : Specified Imports : Montana : Colstrip (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	0.000	0.000	0.002
Imported Electricity : Specified Imports : Montana : Colstrip (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	0.000
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	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	0.008
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	0.000
Imported Electricity : Specified Imports : Nebraska : Whelan Energy Center (NE) - 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	0.000
Imported Electricity : Specified Imports : Nebraska : Whelan Energy Center (NE) - 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	0.000	0.000	0.000
Imported Electricity : Specified Imports : Nebraska : Whelan Energy Center (NE) - 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	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	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	0.037
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	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	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	1.056
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	0.001
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	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	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	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	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	0.530

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Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	0.003
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	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	4.244
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	0.021
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	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	1.932
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	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	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	0.746
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	0.004
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	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	0.215
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	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	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	0.042
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	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	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	0.000
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	0.000
Imported Electricity : Specified Imports : Oregon : Seneca Sustainable Energy (OR) - 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	0.001
Imported Electricity : Specified Imports : Oregon : Seneca Sustainable Energy (OR) - 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	0.005
Imported Electricity : Specified Imports : Oregon : Seneca Sustainable Energy (OR) - 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	0.002
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	0.002
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	0.213
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	0.043

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Imported Electricity : Specified Imports : Pacific Northwest : PacifiCorp (PNW) - 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	0.005
Imported Electricity : Specified Imports : Pacific Northwest : PacifiCorp (PNW) - 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	0.000	0.000	0.531
Imported Electricity : Specified Imports : Pacific Northwest : PacifiCorp (PNW) - 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	0.108
Imported Electricity : Specified Imports : Pacific Northwest : Powerex (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	0.001
Imported Electricity : Specified Imports : Pacific Northwest : Powerex (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	0.000	0.000	0.134
Imported Electricity : Specified Imports : Pacific Northwest : Powerex (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	0.000	0.027
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	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	0.005
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	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	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	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	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	0.003
Imported Electricity : Specified Imports : Utah : Intermountain (UT) - Primary fuel: Coal > CO2	11.595	11.539	11.484	11.739	12.045	11.555	12.080	11.426	11.390	10.342	10.291	11.182	8.639	10.934
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	0.056
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	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	0.007
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	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	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	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	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	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	0.043
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	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	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	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	0.001
Imported Electricity : Specified Imports : Washington : Nippon Paper Cogen (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	0.000

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Imported Electricity : Specified Imports : Washington : Nippon Paper Cogen (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	0.000
Imported Electricity : Specified Imports : Washington : Nippon Paper Cogen (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	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	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	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	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	0.001
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	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	0.001
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	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	0.011
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	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	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	0.005
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	0.000
Imported Electricity : Specified Imports : Washington : Weyerhaeuser Long View (WA) - Primary fuels: Biomass, Coal and Natural Gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
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	0.009
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	0.002
Imported Electricity : Specified Imports : Wyoming : Wyodak (WY) - 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	0.000
Imported Electricity : Specified Imports : Wyoming : Wyodak (WY) - 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	0.000	0.000	0.000
Imported Electricity : Specified Imports : Wyoming : Wyodak (WY) - 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	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	0.003
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	5.602
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	0.004
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	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	5.916
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	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	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	0.053
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	0.000

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	0.026
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	0.050
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	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	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	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	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	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	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	0.001
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	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	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	0.003
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	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	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	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	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	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	0.004
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	0.001
In State Generation : Merchant Owned - MSW > CO2	0.249	0.253	0.259	0.110	0.109	0.090	0.106	0.111	0.104	0.248	0.178	0.083	0.276	0.090
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	0.003
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	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	21.612
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	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	0.000
In State Generation : Merchant Owned - Petroleum coke > CO2	0.928	0.958	0.927	1.155	1.199	1.222	1.235	1.288	1.130	1.230	1.131	0.989	0.096	0.000
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	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	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	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	0.000
In State Generation : Merchant Owned - Refinery gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.205
In State Generation : Merchant Owned - Refinery gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001
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	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	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	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	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	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	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	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	0.000

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	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	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	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	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	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	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	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	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	0.001
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	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	12.529
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	0.006
In State Generation : Utility Owned - Propane > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.003
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	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	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	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	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	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	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	0.000
1A1aii - Combined Heat and Power Generation (CHP)	*31.565*	*28.804*	*32.600*	*29.375*	*29.427*	*28.227*	*27.034*	*26.115*	*25.072*	*29.199*	*26.825*	*26.548*	*24.730*	*25.426*
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	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	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	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	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	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	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	0.001
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	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	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	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	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	0.000
CHP: Commercial : Useful Thermal Output - Kerosene > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	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	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	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	0.721

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	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	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	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	0.001
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	0.330
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	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	0.008
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	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	0.000	0.000
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	1.214
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.001
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	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	0.003
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	7.181
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	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	0.000
CHP: Industrial : Useful Thermal Output - Petroleum coke > CO2	0.588	0.640	0.281	0.252	0.375	0.461	0.572	0.452	0.100	0.161	0.203	0.293	0.176	0.001
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	0.000
CHP: Industrial : Useful Thermal Output - Propane > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.002
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	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	0.004
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	1.041
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	0.003
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	0.000

California Environmental Protection Agency
Air Resources Board

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	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	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	0.010	0.004	0.000	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	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	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	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	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	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	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	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	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	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	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	0.001
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	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	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	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	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	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	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	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	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	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	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	0.587
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	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	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	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	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	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	0.095
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	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	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	0.014
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	0.002
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	0.598
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	0.003
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	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	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	0.000

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	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	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	0.001
In State Generation : CHP: Industrial - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	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	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	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	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	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	0.113
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	0.009
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	0.006
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	12.267
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	0.007
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	0.000
In State Generation : CHP: Industrial - Petroleum coke > CO2	1.386	1.327	1.719	1.180	1.235	1.371	1.173	1.108	0.787	0.721	0.334	0.342	0.244	0.170
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	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	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	0.004
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	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	0.005
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	0.990
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	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	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	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	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	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	0.010	0.004	0.000	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	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	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	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	0.000
1A1b - Petroleum Refining	24.66	25.23	25.33	26.03	25.31	25.93	25.57	25.05	24.27	24.55	26.47	22.85	22.80	23.13
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.005
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.006
Petroleum Refining and Hydrogen Production - 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	5.778
Petroleum Refining and Hydrogen Production - 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	0.013

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.001
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.001
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.001
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.001
Petroleum Refining and Hydrogen Production - 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	3.131
Petroleum Refining and Hydrogen Production - 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	0.001
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.002
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - Refinery gas > CH4	0.019	0.020	0.020	0.020	0.019	0.020	0.019	0.019	0.019	0.013	0.007	0.020	0.019	0.016
Petroleum Refining and Hydrogen Production - 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	14.139
Petroleum Refining and Hydrogen Production - Refinery gas > N2O	0.046	0.047	0.047	0.048	0.046	0.047	0.046	0.046	0.045	0.017	0.009	0.047	0.045	0.037
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	0.000
Petroleum Refining and Hydrogen Production - 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	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	16.27	17.63
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*	*16.271*	*17.635*
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	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	3.672
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	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	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	0.062
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	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	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	13.235
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	0.007

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	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	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	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	0.699	0.580
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	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	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	0.069
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	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**	**19.88**	**19.88**
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	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	0.509
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	0.000
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	5.67
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	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	5.661
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	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	0.43
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	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	0.052
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	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	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	0.382
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	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	3.27
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	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	0.249
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	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	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	2.926
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	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	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	0.095
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	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	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	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	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	3.05
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	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	0.278

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	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	0.002
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	0.003
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	1.074
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	0.005
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	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	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	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	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	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	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	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	0.006
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	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	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	0.179
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	0.000
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	0.003
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	0.688
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	0.005
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	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	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	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	0.002
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	0.298
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	0.004
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	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	0.001
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural gas > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	0.503
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	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	0.28
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	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	0.284
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	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	0.79
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	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	0.025
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	0.000

California Environmental Protection Agency
Air Resources Board

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	0.215
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	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	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	0.458
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	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	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	0.095
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	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	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	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	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	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	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	0.017
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	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	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	0.144
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	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	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	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	0.017
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	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	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	0.017
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	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	0.59	0.61
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	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	0.032	0.034
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	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	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	0.472	0.472
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	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	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	0.098
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	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	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	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	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	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	0.000

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	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	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	0.209
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	0.000
1A2m - Non-specified Industry.	2.55	3.42	4.13	3.69	3.25	2.35	2.68	2.35	3.48	4.06	4.57	4.57	4.84	4.90
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	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	0.844
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	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	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	0.059	0.062
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	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	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	0.863	0.863
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	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	0.000
Manufacturing - Kerosene > CO2	0.010	0.013	0.003	0.014	0.013	0.013	0.010	0.010	0.004	0.001	0.001	0.003	0.001	0.001
Manufacturing - Kerosene > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	1.501	1.501
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	0.004	0.004
Manufacturing - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.001	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	1.373
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	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	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	0.003
Manufacturing - Residual fuel oil > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	0.013
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	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	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	0.087
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	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	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	0.087	0.087
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	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	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	0.030
1A3 - Transport	**174.92**	**175.33**	**182.43**	**182.29**	**185.71**	**187.80**	**187.90**	**187.99**	**176.87**	**170.39**	**169.37**	**167.15**	**166.59**	**166.59**
Manufacturing - 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	0.000
Manufacturing - Coal > CO2	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.006	0.009	0.009

California Environmental Protection Agency
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California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Manufacturing - 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	0.000
Manufacturing - Petroleum coke > CH4	0.000	0.000	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 - Petroleum coke > CO2	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.035	0.038	0.036
Manufacturing - Petroleum coke > N2O	0.000	0.000	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 > CH4	0.000	0.000	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	0.262	0.262
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	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	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	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	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	3.73	3.88
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	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	0.009	0.009
Aviation - Ethanol > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	0.125	0.125
Aviation - Gasoline > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	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*	*3.744*
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	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	0.136
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	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	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	3.572
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	0.031
1A3b - Road Transportation	162.64	163.12	169.25	168.52	171.30	172.42	172.12	172.15	162.77	158.20	157.22	154.80	153.96	155.24
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	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	0.796	0.889
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	0.000
1A3bi - Cars	*66.218*	*64.702*	*65.897*	*62.722*	*61.820*	*60.365*	*59.516*	*58.984*	*55.974*	*55.888*	*55.755*	*54.781*	*55.297*	*56.028*
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	0.000
On Road : Light-duty Vehicles : Passenger Cars - Distillate > CO2	0.329	0.285	0.274	0.252	0.234	0.203	0.182	0.170	0.152	0.172	0.204	0.254	0.291	0.335
On Road : Light-duty Vehicles : Passenger Cars - Distillate > N2O	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.003	0.003
On Road : Light-duty Vehicles : Passenger Cars - Ethanol > CH4	0.001	0.001	0.001	0.006	0.011	0.010	0.009	0.008	0.007	0.007	0.009	0.009	0.008	0.007
On Road : Light-duty Vehicles : Passenger Cars - Ethanol > CO2	0.156	0.206	0.246	1.384	2.070	2.157	2.126	2.104	2.218	2.254	3.484	3.724	3.485	3.819
On Road : Light-duty Vehicles : Passenger Cars - Ethanol > N2O	0.007	0.008	0.008	0.043	0.055	0.049	0.043	0.038	0.036	0.035	0.049	0.048	0.041	0.040
On Road : Light-duty Vehicles : Passenger Cars - Gasoline > CH4	0.271	0.236	0.208	0.174	0.209	0.171	0.148	0.128	0.109	0.101	0.089	0.079	0.072	0.064
On Road : Light-duty Vehicles : Passenger Cars - Gasoline > CO2	63.626	62.383	63.742	59.672	58.233	56.929	56.267	55.888	52.889	52.796	51.450	50.248	51.015	51.412
On Road : Light-duty Vehicles : Passenger Cars - Gasoline > N2O	1.825	1.580	1.415	1.189	1.006	0.844	0.739	0.647	0.561	0.522	0.467	0.416	0.383	0.347
1A3bii - Light-duty Trucks	*59.493*	*61.539*	*65.189*	*67.500*	*69.320*	*70.601*	*70.607*	*70.378*	*67.189*	*65.808*	*65.266*	*64.013*	*63.344*	*62.831*
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	0.000
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Distillate > CO2	0.091	0.078	0.077	0.068	0.068	0.053	0.046	0.042	0.039	0.052	0.070	0.104	0.162	0.199

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Distillate > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.002
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > CH4	0.001	0.001	0.001	0.006	0.011	0.010	0.009	0.008	0.008	0.007	0.011	0.011	0.009	0.009
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > CO2	0.140	0.195	0.243	1.489	2.322	2.523	2.522	2.510	2.661	2.653	4.076	4.351	3.990	4.281
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Ethanol > N2O	0.008	0.009	0.010	0.055	0.074	0.070	0.062	0.056	0.055	0.053	0.077	0.076	0.066	0.065
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > CH4	0.210	0.189	0.171	0.155	0.193	0.169	0.152	0.136	0.120	0.112	0.103	0.094	0.087	0.080
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > CO2	57.017	59.234	63.001	64.183	65.313	66.587	66.749	66.669	63.453	62.136	60.199	58.711	58.409	57.629
On Road : Light-duty Vehicles : Light-duty Trucks & SUVs - Gasoline > N2O	2.025	1.831	1.685	1.544	1.339	1.189	1.066	0.957	0.853	0.795	0.730	0.665	0.619	0.566
1A3biii - Heavy-duty Trucks and Buses	*36.578*	*36.428*	*37.669*	*37.743*	*39.571*	*40.527*	*40.996*	*41.698*	*38.454*	*35.306*	*34.968*	*34.699*	*34.042*	*35.015*
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Distillate > CH4	0.023	0.022	0.023	0.022	0.023	0.023	0.023	0.023	0.020	0.018	0.016	0.016	0.013	0.011
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Distillate > CO2	26.451	26.453	27.208	26.911	28.708	29.994	30.331	31.252	28.668	26.110	26.167	26.408	26.119	27.434
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	0.253	0.256	0.253	0.266
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > CH4	0.000	0.000	0.000	0.001	0.003	0.003	0.002	0.002	0.002	0.002	0.003	0.003	0.002	0.002
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > CO2	0.023	0.031	0.038	0.231	0.351	0.362	0.366	0.357	0.372	0.356	0.527	0.539	0.477	0.493
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Ethanol > N2O	0.001	0.002	0.002	0.011	0.015	0.015	0.014	0.013	0.013	0.012	0.018	0.018	0.016	0.016
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > CH4	0.047	0.043	0.041	0.039	0.049	0.043	0.039	0.035	0.031	0.027	0.025	0.022	0.020	0.018
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > CO2	9.423	9.292	9.780	9.966	9.870	9.545	9.689	9.488	8.866	8.340	7.785	7.277	6.989	6.635
On Road : Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes - Gasoline > N2O	0.354	0.329	0.314	0.301	0.274	0.252	0.239	0.224	0.205	0.188	0.173	0.160	0.152	0.140
1A3biv - Motorcycles	*0.231*	*0.300*	*0.342*	*0.365*	*0.381*	*0.416*	*0.461*	*0.490*	*0.512*	*0.506*	*0.491*	*0.480*	*0.479*	*0.477*
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	0.002	0.002	0.002	0.002
On Road : Light-duty Vehicles : Motorcycles - Ethanol > CO2	0.001	0.001	0.001	0.008	0.012	0.014	0.015	0.016	0.019	0.019	0.028	0.030	0.028	0.030
On Road : Light-duty Vehicles : Motorcycles - Ethanol > N2O	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003
On Road : Light-duty Vehicles : Motorcycles - Gasoline > CH4	0.007	0.009	0.010	0.010	0.012	0.013	0.015	0.015	0.017	0.017	0.017	0.017	0.017	0.018
On Road : Light-duty Vehicles : Motorcycles - Gasoline > CO2	0.210	0.271	0.309	0.323	0.332	0.362	0.402	0.427	0.444	0.438	0.415	0.402	0.403	0.399
On Road : Light-duty Vehicles : Motorcycles - Gasoline > N2O	0.015	0.019	0.022	0.023	0.023	0.025	0.027	0.029	0.030	0.029	0.027	0.026	0.026	0.026
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	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	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	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	0.006
1A3d - Water-borne Navigation	3.50	3.32	3.63	3.80	3.81	4.06	4.11	4.27	4.02	3.66	3.68	3.70	3.88	3.96
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*	*1.394*
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	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	0.059
Water-borne : International : Port activities - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	0.477
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	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	0.000

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	0.015
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	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	0.001
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	0.838
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	0.002
1A3dii - Domestic Water-borne Navigation	*2.375*	*2.137*	*2.390*	*2.502*	*2.447*	*2.633*	*2.625*	*2.703*	*2.569*	*2.444*	*2.440*	*2.453*	*2.541*	*2.561*
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	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	0.036	0.038
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	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	0.001	0.001
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	0.528	0.528
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	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	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	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	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	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	0.069
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	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	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	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	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	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	0.246
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	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	0.001
Water-borne : Intrastate : Harbor craft - Distillate > CO2	0.840	0.872	0.874	0.879	0.874	0.888	0.891	0.894	0.899	0.903	0.911	0.916	0.923	0.927
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	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	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	0.021
Water-borne : Intrastate : Port activities - Distillate > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	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	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	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	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	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	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	0.467
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	0.001

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Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	2.33
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*	*2.334*
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	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	0.030
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	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	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	2.022
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	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	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	0.171
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	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	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	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	0.000
1A4 - Other Sectors	**44.67**	**43.60**	**46.11**	**45.25**	**46.39**	**45.16**	**46.52**	**45.12**	**45.67**	**44.08**	**45.41**	**46.90**	**44.54**	**44.54**
1A4a - Commercial/Institutional	11.47	11.31	13.11	12.74	12.70	12.56	12.84	12.83	12.94	12.99	13.42	13.61	13.41	13.31
Communication : Other Message Communications - Natural gas > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	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	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	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	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	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	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	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	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	0.013
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	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	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	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	0.000
Domestic Utilities : Water Supply - 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	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	0.249
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	0.000
Education : College - 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	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	0.539
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	0.000
Education : School - 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	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	0.478
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	0.000
Food Services : Food & Liquor - 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	0.000

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	0.473
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	0.000
Food Services : Restaurant - Natural gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	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	1.853
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	0.001
Health Care - Natural gas > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	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	1.556
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	0.001
Hotels - 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	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	0.744
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	0.000
National Security - 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	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	0.144
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	0.000
Not Specified Commercial - Coal > CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	0.000
Not Specified Commercial - Distillate > CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.001
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	1.367
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	0.003
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	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	0.006	0.006
Not Specified Commercial - Ethanol > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	0.086	0.086
Not Specified Commercial - Gasoline > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.000
Not Specified Commercial - Kerosene > CO2	0.022	0.027	0.012	0.020	0.031	0.025	0.023	0.013	0.006	0.008	0.013	0.011	0.004	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	0.000
Not Specified Commercial - LPG > CH4	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
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	0.552	0.552
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	0.002
Not Specified Commercial - Natural gas > CH4	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	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	2.791
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	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	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	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	0.000
Not Specified Commercial - Wood (wet) > CH4	0.005	0.005	0.005	0.005	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004
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	0.005	0.005
Offices - 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	0.000

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	0.637
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	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	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	0.080
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	0.000
Retail & Wholesale : Retail - 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	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	0.780
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	0.000
Retail & Wholesale : 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	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	0.227
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	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	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	0.082
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	0.000
Transportation Services : 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	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	0.487
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	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	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	0.008
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	0.000
1A4b - Residential	29.38	28.47	28.62	28.14	29.17	27.98	28.36	28.50	28.82	28.45	29.18	29.64	27.34	28.11
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	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	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	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	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	0.037
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	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	0.000
Household Use - Kerosene > CO2	0.120	0.149	0.092	0.083	0.118	0.129	0.122	0.065	0.039	0.073	0.061	0.047	0.020	0.023
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	0.000
Household Use - LPG > CH4	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
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	1.463	1.463
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	0.004	0.004
Household Use - Natural gas > CH4	0.013	0.013	0.013	0.013	0.013	0.012	0.013	0.013	0.013	0.012	0.013	0.013	0.012	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	26.491
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	0.015
Household Use - Wood (wet) > CH4	0.030	0.028	0.029	0.030	0.031	0.021	0.018	0.020	0.022	0.021	0.020	0.027	0.025	0.025
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	0.039	0.039
1A4c - Agriculture/Forestry/Fishing/Fish Farms	3.81	3.82	4.38	4.37	4.52	4.62	5.32	3.79	3.91	2.65	2.81	3.66	3.80	3.83
Ag Energy Use - Distillate > CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.002	0.002	0.002	0.003	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	2.502

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	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	0.040	0.042
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	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	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	0.583	0.583
Ag Energy Use - Gasoline > N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.001	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	0.000
Ag Energy Use - Kerosene > CO2	0.007	0.005	0.003	0.004	0.005	0.005	0.007	0.004	0.002	0.003	0.004	0.002	0.001	0.000
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	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	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	0.008
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	0.000
Ag Energy Use : Crop Production - 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	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	0.597
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	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	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	0.085
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	0.000
1B - Fugitive Emissions from Fuels	***7.82***	***7.96***	***8.52***	***7.93***	***7.55***	***7.56***	***8.34***	***8.22***	***8.39***	***8.68***	***8.34***	***8.53***	***7.94***	***7.94***
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**	**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	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	0.000
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	0.003
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	0.009
Manufacturing > 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	0.000
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	0.000
1B2 - Oil and Natural Gas	**6.50**	**6.70**	**7.27**	**6.68**	**6.28**	**6.29**	**7.09**	**6.96**	**7.17**	**7.25**	**7.15**	**7.23**	**7.07**	**7.07**
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	0.002
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	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	0.000
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	0.002
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	0.012
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	0.018
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	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	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	0.000
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	0.136
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	0.598
Oil & Gas Extraction : Process Losses : Fugitives > Fugitive emissions > CH4	1.693	1.691	1.671	1.629	1.606	1.576	1.573	1.610	1.621	1.629	1.642	1.677	1.742	1.815

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Oil & Gas Extraction : Process Losses : Fugitives > Fugitive emissions > CO2	0.180	0.181	0.177	0.173	0.169	0.159	0.158	0.163	0.158	0.171	0.177	0.185	0.219	0.256
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	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	0.000
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	0.56
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*	*0.178*
Petroleum Refining and Hydrogen Production > 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	0.019
Petroleum Refining and Hydrogen Production > 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	0.159
Petroleum Refining and Hydrogen Production > Process emissions > N2O														0.000
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*	*0.078*
Petroleum Refining and Hydrogen Production > 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	0.005
Petroleum Refining and Hydrogen Production > 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	0.072
Petroleum Refining and Hydrogen Production > 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	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*	*0.307*
Petroleum Refining and Hydrogen Production : 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	0.010
Petroleum Refining and Hydrogen Production : 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	0.001
Petroleum Refining and Hydrogen Production > 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	0.295
1B2b - Natural Gas	3.60	3.68	4.30	3.76	3.85	3.88	4.11	4.00	4.13	4.20	4.04	4.03	3.84	3.82
Pipelines : Natural Gas : Fugitives > Fugitive emissions > CH4	3.595	3.671	4.297	3.757	3.848	3.872	4.105	3.995	4.127	4.197	4.040	4.027	3.832	3.813
Pipelines : Natural Gas : Fugitives > Fugitive emissions > CO2	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004
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**	**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	0.037
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	0.000
In State Generation : Merchant Owned > Geothermal power - Geothermal > CH4										0.000	0.000	0.088	0.000	0.088
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	0.770
In State Generation : Merchant Owned > Geothermal power - Geothermal > N2O										0.000	0.000		0.000	0.000
In State Generation : Utility Owned > Geothermal power - Geothermal > CH4														0.045
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	0.012
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**	**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	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	0.004
2 - Industrial Processes and Product Use	**20.10**	**20.12**	**20.68**	**21.28**	**22.09**	**22.99**	**23.78**	**24.35**	**24.90**	**23.75**	**25.50**	**30.55**	**31.82**	**31.82**
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***	***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**	**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	4.926
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**	**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	0.043

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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**	**0.05**	**0.05**	**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**	**0.05**	**0.05**	**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	0.048	0.049	0.050
2C - Metal Industry	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.06**	**0.07**	**0.07**	**0.06**	**0.06**
2C5 - Lead Production	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.06**	**0.07**	**0.07**	**0.06**	**0.06**
Manufacturing : Primary Metals : Lead Smelting > Process emissions > CO2	0.072	0.068	0.068	0.070	0.067	0.067	0.068	0.068	0.066	0.063	0.065	0.067	0.060	0.066
2D - Non-Energy Products from Fuels and Solvent Use	**3.30**	**2.99**	**2.83**	**2.73**	**2.65**	**2.66**	**2.61**	**2.65**	**2.50**	**2.27**	**2.47**	**2.35**	**2.22**	**2.22**
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**	**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	0.652
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	0.869
2D3 - Solvent Use	**1.20**	**1.07**	**0.94**	**0.98**	**0.87**	**0.89**	**0.89**	**0.87**	**0.85**	**0.79**	**0.82**	**0.79**	**0.78**	**0.78**
Solvents & Chemicals : Evaporative losses : Fugitives > Fugitive emissions > CO2	1.204	1.070	0.937	0.976	0.873	0.892	0.893	0.871	0.848	0.791	0.824	0.789	0.781	0.789
2E - Electronics Industry	**0.57**	**0.41**	**0.38**	**0.39**	**0.32**	**0.30**	**0.32**	**0.30**	**0.30**	**0.19**	**0.24**	**0.43**	**0.37**	**0.37**
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C2F6	0.266	0.186	0.194	0.175	0.163	0.148	0.160	0.153	0.135	0.094	0.122	0.139	0.142	0.102
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C3F8	0.116	0.090	0.062	0.085	0.034	0.025	0.027	0.029	0.055	0.018	0.016	0.149	0.092	0.077
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > C4F8	0.000	0.000	0.005	0.008	0.007	0.010	0.010	0.005	0.004	0.002	0.002	0.008	0.007	0.010
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > CF4	0.104	0.073	0.063	0.056	0.056	0.052	0.054	0.054	0.050	0.037	0.050	0.075	0.071	0.061
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > HFC-23	0.014	0.010	0.009	0.010	0.010	0.009	0.011	0.011	0.010	0.008	0.010	0.009	0.009	0.009
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	0.018
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > SF6	0.060	0.041	0.036	0.043	0.041	0.045	0.043	0.034	0.031	0.023	0.029	0.040	0.038	0.024
2F - Product Uses as Substitutes for Ozone Depleting Substances	**6.35**	**6.82**	**7.37**	**8.10**	**8.95**	**9.75**	**10.33**	**11.04**	**12.05**	**13.38**	**15.01**	**16.11**	**17.16**	**17.16**
Not Specified Commercial > Use of substitutes for ozone depleting substances - Aerosols > HFC-134a	0.705	0.621	0.541	0.503	0.457	0.410	0.349	0.300	0.246	0.204	0.153	0.141	0.142	0.143
Not Specified Commercial > Use of substitutes for ozone depleting substances - Aerosols > HFC-152a	0.020	0.023	0.028	0.031	0.034	0.038	0.040	0.043	0.047	0.059	0.063	0.065	0.065	0.066
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	0.000
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	0.003
Not Specified Commercial > Use of substitutes for ozone depleting substances - Fire Protection > HFC-227ea	0.012	0.013	0.015	0.017	0.019	0.020	0.022	0.024	0.025	0.027	0.028	0.028	0.027	0.027
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	0.002
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	0.080

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Not Specified Commercial > Use of substitutes for ozone depleting substances - Foams > HFC-245fa	0.004	0.012	0.024	0.033	0.040	0.047	0.051	0.054	0.071	0.098	0.075	0.059	0.051	0.053
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-125	0.305	0.415	0.531	0.674	0.853	1.028	1.220	1.421	1.631	1.900	2.253	2.497	2.698	2.862
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-134a	0.375	0.443	0.518	0.596	0.696	0.786	0.885	0.995	1.120	1.264	1.449	1.616	1.734	1.842
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-143a	0.413	0.542	0.670	0.825	1.033	1.220	1.423	1.635	1.859	2.112	2.426	2.576	2.664	2.699
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-152a	0.000	0.000	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 > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-236fa	0.050	0.056	0.061	0.065	0.071	0.074	0.075	0.079	0.078	0.077	0.076	0.076	0.075	0.071
Not Specified Commercial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-32	0.003	0.006	0.011	0.018	0.024	0.032	0.042	0.051	0.061	0.079	0.104	0.130	0.156	0.182
Not Specified Industrial > Use of substitutes for ozone depleting substances - Aerosols > HFC-134a	0.096	0.085	0.074	0.069	0.062	0.056	0.048	0.041	0.034	0.028	0.021	0.019	0.019	0.020
Not Specified Industrial > Use of substitutes for ozone depleting substances - Aerosols > HFC-152a	0.006	0.007	0.009	0.010	0.011	0.012	0.012	0.013	0.015	0.018	0.019	0.020	0.020	0.020
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	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	0.001
Not Specified Industrial > Use of substitutes for ozone depleting substances - Fire Protection > HFC-227ea	0.003	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007
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	0.000
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	0.464
Not Specified Industrial > Use of substitutes for ozone depleting substances - Foams > HFC-245fa	0.014	0.049	0.098	0.134	0.162	0.191	0.205	0.218	0.289	0.395	0.305	0.241	0.228	0.265
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-125	0.079	0.100	0.123	0.150	0.187	0.219	0.254	0.290	0.329	0.372	0.441	0.477	0.505	0.524
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-134a	0.309	0.370	0.429	0.483	0.556	0.631	0.678	0.731	0.806	0.877	0.952	0.988	1.025	1.049
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-143a	0.112	0.141	0.173	0.209	0.260	0.302	0.348	0.395	0.445	0.499	0.573	0.598	0.611	0.611
Not Specified Industrial > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-152a	0.000	0.000	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 - Refrigeration and Air Conditioning > HFC-236fa	0.015	0.017	0.018	0.019	0.021	0.022	0.023	0.024	0.023	0.023	0.023	0.023	0.022	0.021
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	0.003	0.003	0.004	0.008	0.011	0.015	0.018
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	0.002
Not Specified Industrial > Use of substitutes for ozone depleting substances - Solvents > HFC-245fa	0.072	0.065	0.083	0.084	0.085	0.085	0.086	0.087	0.088	0.089	0.090	0.091	0.092	0.092
Not Specified Industrial > Use of substitutes for ozone depleting substances - Solvents > HFC-365mfc	0.000	0.000	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 > HFC-43-10mee	0.008	0.008	0.008	0.009	0.009	0.008	0.008	0.008	0.007	0.007	0.007	0.007	0.007	0.007

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Not Specified Industrial > Use of substitutes for ozone depleting substances - Solvents > Other PFC and PFE	0.002	0.001	0.002	0.001	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.003	0.002
Not Specified Residential > Use of substitutes for ozone depleting substances - Aerosols > HFC-134a	1.536	1.459	1.390	1.347	1.289	1.201	1.085	0.993	0.924	0.881	0.818	0.835	0.881	0.913
Not Specified Residential > Use of substitutes for ozone depleting substances - Aerosols > HFC-152a	0.128	0.150	0.178	0.199	0.220	0.240	0.252	0.273	0.302	0.377	0.404	0.413	0.417	0.420
Not Specified Residential > Use of substitutes for ozone depleting substances - Aerosols > HFC-227ea	0.023	0.046	0.071	0.081	0.089	0.091	0.093	0.096	0.106	0.116	0.126	0.137	0.148	0.154
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	0.195
Not Specified Residential > Use of substitutes for ozone depleting substances - Foams > HFC-245fa	0.004	0.014	0.029	0.039	0.047	0.056	0.060	0.064	0.084	0.115	0.089	0.070	0.062	0.067
Not Specified Residential > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-125	0.000	0.004	0.016	0.028	0.053	0.080	0.114	0.160	0.207	0.266	0.524	0.784	1.048	1.316
Not Specified Residential > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-134a	0.006	0.007	0.009	0.009	0.011	0.012	0.016	0.018	0.021	0.024	0.031	0.041	0.049	0.059
Not Specified Residential > Use of substitutes for ozone depleting substances - Refrigeration and Air Conditioning > HFC-32	0.000	0.001	0.003	0.005	0.010	0.015	0.022	0.031	0.040	0.051	0.101	0.151	0.202	0.253
Not Specified Transportation > Use of substitutes for ozone depleting substances - Aerosols > HFC-134a	0.961	0.847	0.738	0.686	0.624	0.559	0.476	0.410	0.336	0.279	0.209	0.192	0.194	0.195
Not Specified Transportation > Use of substitutes for ozone depleting substances - Aerosols > HFC-43-10mee	0.023	0.023	0.023	0.022	0.021	0.020	0.019	0.018	0.018	0.021	0.022	0.022	0.022	0.022
Not Specified Transportation > Use of substitutes for ozone depleting substances - Foams > HFC-245fa	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002
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	0.052
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	2.902	3.074	3.073	3.139	3.157
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	0.070	0.073	0.073	0.075	0.076	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	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***	***0.81***	***0.76***	***0.73***	***0.73***
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**	**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	0.19
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	0.062
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	0.123
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**	**0.63**	**0.57**	**0.52**	**0.49**	**0.49**
Not Specified Industrial > CO2 consumption > CO2	0.169	0.097	0.121	0.159	0.147	0.161	0.208	0.227	0.216	0.217	0.145	0.097	0.101	0.110
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	0.080
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	0.252	0.264	0.258	0.253	0.252
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***	***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**	**6.54**
Petroleum Refining and Hydrogen Production : 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	1.829

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Petroleum Refining and Hydrogen Production : 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	0.000
Petroleum Refining and Hydrogen Production : 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	3.676
3 - Agriculture, Forestry and Other Land Use	**29.52**	**30.00**	**30.96**	**31.55**	**31.12**	**31.77**	**32.30**	**33.57**	**33.92**	**33.56**	**33.05**	**33.39**	**34.01**	**34.01**
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***	***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**	**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	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*	*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	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	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	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	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*	*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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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**	**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	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*	*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	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	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	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	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	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	0.014

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	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	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	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	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	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	1.343
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	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	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	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	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	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	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	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	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	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*	*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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.000

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	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	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	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	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	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	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	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	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	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	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	0.000
Anaerobic digester > Livestock population - Swine - breeding > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.000

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.000
Pasture > Livestock population - Swine - market 180+ lbs > N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.000

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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	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	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	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	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	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	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	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	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	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	0.004
3C - Aggregate Sources and Non-CO2 Emissions Sources on Land	***9.87***	***9.56***	***9.90***	***9.92***	***10.06***	***9.96***	***10.08***	***9.85***	***9.82***	***9.68***	***9.71***	***10.01***	***10.09***	***10.09***
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**	**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	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	0.015	0.015	0.016
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	0.031	0.031	0.032
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	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	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	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	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	0.002
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	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	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	0.009	0.009
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	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	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**	**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	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	0.187
3C4 - Direct N2O Emissions from Managed Soils	**6.44**	**6.43**	**6.54**	**6.58**	**6.57**	**6.53**	**6.48**	**6.45**	**6.53**	**6.35**	**6.37**	**6.56**	**6.60**	**6.60**
Commercial use of nitrogen fertilizer on turf - Synthetic fertilizers > N2O	0.378	0.383	0.388	0.393	0.397	0.400	0.403	0.406	0.409	0.412	0.414	0.417	0.421	0.424
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	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	0.022
Nitrogen applied in fertilizer - Synthetic fertilizers > N2O	2.521	2.478	2.491	2.482	2.461	2.401	2.327	2.410	2.492	2.368	2.458	2.621	2.579	2.443
Nitrogen in crop residues > N2O	0.355	0.357	0.386	0.377	0.451	0.361	0.354	0.384	0.425	0.398	0.390	0.402	0.400	0.375
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	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	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	0.160
Residential use of nitrogen fertilizer on turf - Synthetic fertilizers > N2O	0.556	0.565	0.572	0.579	0.585	0.589	0.593	0.598	0.603	0.607	0.611	0.615	0.620	0.625

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2013 — by IPCC Category

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

Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
3C5 - Indirect N2O Emissions from Managed Soils	**1.89**	**1.89**	**1.92**	**1.94**	**1.91**	**1.93**	**1.92**	**1.91**	**1.93**	**1.88**	**1.89**	**1.95**	**1.96**	**1.96**
Commercial use of nitrogen fertilizer on turf - Synthetic fertilizers > N2O	0.123	0.125	0.126	0.128	0.129	0.130	0.131	0.132	0.133	0.134	0.135	0.136	0.137	0.138
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	0.009
Nitrogen applied in fertilizer - Synthetic fertilizers > N2O	0.819	0.805	0.810	0.807	0.800	0.780	0.756	0.783	0.810	0.770	0.799	0.852	0.838	0.794
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	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	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	0.068
Residential use of nitrogen fertilizer on turf - Synthetic fertilizers > N2O	0.181	0.184	0.186	0.188	0.190	0.191	0.193	0.194	0.196	0.197	0.198	0.200	0.201	0.203
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**	**1.22**	**1.22**
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	1.217	1.215
4 - Waste	**9.92**	**10.07**	**10.05**	**10.16**	**10.19**	**10.41**	**10.50**	**10.59**	**10.72**	**10.75**	**10.86**	**11.14**	**11.15**	**11.15**
4A - Solid Waste Disposal	***7.21***	***7.36***	***7.30***	***7.42***	***7.40***	***7.58***	***7.65***	***7.70***	***7.84***	***7.94***	***7.99***	***8.25***	***8.25***	***8.25***
4A1 - Managed Waste Disposal Sites	**7.21**	**7.36**	**7.30**	**7.42**	**7.40**	**7.58**	**7.65**	**7.70**	**7.84**	**7.94**	**7.99**	**8.25**	**8.25**	**8.25**
Landfills > Landfill gas generation - Landfill gas > CH4	7.205	7.360	7.303	7.419	7.401	7.574	7.652	7.700	7.840	7.934	7.985	8.252	8.246	8.322
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	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***	***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	0.431
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	0.113
4D - Wastewater Treatment and Discharge	***2.47***	***2.44***	***2.45***	***2.43***	***2.45***	***2.48***	***2.46***	***2.48***	***2.46***	***2.36***	***2.40***	***2.39***	***2.38***	***2.38***
4D1 - Domestic Wastewater Treatment and Discharge	**1.60**	**1.61**	**1.59**	**1.59**	**1.59**	**1.60**	**1.59**	**1.60**	**1.59**	**1.56**	**1.56**	**1.55**	**1.55**	**1.55**
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	0.025
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	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	0.408	0.401
Wastewater Treatment : Domestic Wastewater : Effluent Emissions > California population > N2O	0.629	0.650	0.640	0.648	0.662	0.677	0.681	0.690	0.700	0.682	0.688	0.695	0.705	0.714
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	0.041	0.041	0.041	0.042
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	0.371	0.375
4D2 - Industrial Wastewater Treatment and Discharge	**0.88**	**0.83**	**0.87**	**0.85**	**0.87**	**0.88**	**0.87**	**0.89**	**0.86**	**0.80**	**0.84**	**0.83**	**0.83**	**0.83**
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	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	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	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	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	0.004
Wastewater Treatment : Industrial Wastewater > Production processed - Non-citrus fruit > CH4	0.039	0.033	0.036	0.033	0.032	0.033	0.030	0.033	0.036	0.032	0.036	0.035	0.033	0.033

California Environmental Protection Agency
Air Resources Board

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Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Wastewater Treatment : Industrial Wastewater > Production processed - Other vegetables > CH4	0.060	0.056	0.068	0.055	0.061	0.055	0.056	0.060	0.059	0.062	0.061	0.059	0.060	0.058
Wastewater Treatment : Industrial Wastewater > Production processed - Potatoes > CH4	0.006	0.005	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	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	0.049
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	0.549	0.547	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	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	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	0.068

Summary for Included Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
California Emissions	**468.8**	**484.6**	**483.2**	**485.5**	**495.3**	**488.2**	**485.7**	**492.6**	**490.1**	**462.1**	**456.0**	**454.6**	**460.8**	**459.3**

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Excluded Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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**	**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***	***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**	**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	34.55
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*	*17.757*
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	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	17.601
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	0.153
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*	*16.790*
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	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	16.643
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	0.144
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	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*	*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	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	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	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	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	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	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**	**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	0.001
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	0.505
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	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	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*	*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	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	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	0.025

Summary for Excluded Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
International and Interstate Emissions	**54.7**	**48.4**	**53.1**	**47.4**	**51.2**	**54.1**	**56.3**	**59.0**	**55.3**	**54.7**	**54.6**	**49.9**	**47.7**	**49.6**

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CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
1 - Energy	**17.37**	**17.58**	**15.73**	**16.12**	**16.16**	**15.43**	**15.16**	**14.98**	**14.96**	**15.70**	**15.14**	**17.26**	**16.79**	**16.79**
1A - Fuel Combustion Activities	***17.37***	***17.58***	***15.73***	***16.12***	***16.16***	***15.43***	***15.16***	***14.98***	***14.96***	***15.70***	***15.14***	***17.26***	***16.79***	***16.79***
1A1 - Energy Industries	**9.54**	**9.40**	**9.11**	**9.36**	**9.30**	**9.75**	**10.04**	**9.62**	**9.63**	**10.62**	**10.05**	**11.31**	**11.09**	**11.09**
1A1a - Main Activity Electricity and Heat Production	9.54	9.40	9.11	9.36	9.30	9.75	10.04	9.62	9.63	10.62	10.05	11.30	11.09	11.24
1A1ai - Electricity Generation	*6.192*	*5.868*	*6.623*	*6.592*	*6.415*	*6.518*	*6.784*	*6.404*	*6.606*	*8.163*	*7.756*	*8.447*	*8.234*	*7.998*
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	4.087
In State Generation : Merchant Owned - Digester gas > CO2	0.039	0.043	0.035	0.000	0.000	0.000	0.000	0.000	0.000	0.225	0.008	0.114	0.032	0.033
In State Generation : Merchant Owned - Landfill gas > CO2	1.845	1.902	1.593	1.572	1.730	1.635	1.882	1.767	1.832	2.024	2.112	2.191	2.519	2.409
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	0.263
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	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	0.000
In State Generation : Utility Owned - Digester gas > CO2	0.000	0.132	0.147	0.231	0.174	0.228	0.230	0.232	0.230	0.340	0.298	0.765	0.000	0.000
In State Generation : Utility Owned - Landfill gas > CO2	0.000	0.080	0.098	0.103	0.096	0.113	0.117	0.123	0.125	0.262	0.447	0.298	1.176	1.207
1A1aii - Combined Heat and Power Generation (CHP)	*3.347*	*3.535*	*2.485*	*2.769*	*2.887*	*3.234*	*3.256*	*3.219*	*3.026*	*2.452*	*2.293*	*2.854*	*2.855*	*3.237*
CHP: Commercial : Useful Thermal Output - Digester gas > CO2	0.034	0.016	0.016	0.016	0.052	0.076	0.082	0.110	0.093	0.054	0.003	0.057	0.012	0.197
CHP: Commercial : Useful Thermal Output - Landfill gas > CO2	0.009	0.000	0.000	0.000	0.000	0.022	0.041	0.026	0.022	0.007	0.012	0.079	0.108	0.016
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	1.166
CHP: Industrial : Useful Thermal Output - Digester gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.078	0.006	0.001	0.010
CHP: Industrial : Useful Thermal Output - Landfill gas > CO2	0.017	0.000	0.000	0.000	0.000	0.006	0.010	0.000	0.000	0.000	0.003	0.000	0.000	0.003
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	0.002
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	0.002	0.001	0.000	0.000
In State Generation : CHP: Commercial - Digester gas > CO2	0.239	0.101	0.162	0.308	0.308	0.335	0.313	0.281	0.277	0.130	0.006	0.155	0.023	0.233
In State Generation : CHP: Commercial - Landfill gas > CO2	0.029	0.000	0.000	0.000	0.000	0.036	0.037	0.030	0.030	0.026	0.015	0.114	0.115	0.009
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	1.146
In State Generation : CHP: Industrial - Digester gas > CO2	0.000	0.008	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.122	0.271	0.004	0.126	0.128
In State Generation : CHP: Industrial - Landfill gas > CO2	0.091	0.106	0.111	0.052	0.056	0.060	0.062	0.057	0.063	0.013	0.153	0.013	0.066	0.046
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	0.281
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	0.003	0.001	0.000	0.000
1A1b - Petroleum Refining	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Petroleum Refining and Hydrogen Production - Digester gas > CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.006	0.000	0.003
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**	**2.37**	**2.37**
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	0.19
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	0.123
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	0.005
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	0.058
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	2.23	2.23
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	2.230	2.230

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CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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**	**3.33**	**3.33**
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	0.41	0.41
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	0.411	0.411
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	2.91	2.91
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	2.914	2.914
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**	**1.47**	**1.49**	**1.49**
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***	***1.47***	***1.49***	***1.49***
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**	**1.47**	**1.49**	**1.49**
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	1.47	1.49	1.51
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	0.942	0.966	0.989
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	0.003
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	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	0.156	0.151
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	0.249	0.258
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	0.079
4 - Waste	**7.07**	**7.49**	**7.83**	**7.89**	**8.01**	**8.28**	**8.57**	**8.74**	**8.89**	**9.05**	**9.23**	**9.31**	**9.55**	**9.55**
4A - Solid Waste Disposal	***6.28***	***6.62***	***6.88***	***6.86***	***6.90***	***7.09***	***7.31***	***7.40***	***7.47***	***7.56***	***7.65***	***7.66***	***7.82***	***7.82***
4A1 - Managed Waste Disposal Sites	**6.28**	**6.62**	**6.88**	**6.86**	**6.90**	**7.09**	**7.31**	**7.40**	**7.47**	**7.56**	**7.65**	**7.66**	**7.82**	**7.82**
Landfills > Landfill gas generation - Landfill gas > CO2	6.278	6.618	6.880	6.858	6.899	7.091	7.311	7.402	7.471	7.555	7.652	7.656	7.822	7.897
4B - Biological Treatment of Solid Waste	***0.80***	***0.87***	***0.95***	***1.03***	***1.11***	***1.19***	***1.26***	***1.34***	***1.42***	***1.50***	***1.57***	***1.65***	***1.73***	***1.73***
Solid Waste Treatment : Composting > Feedstock processed > CO2	0.797	0.874	0.952	1.030	1.107	1.185	1.263	1.341	1.418	1.496	1.574	1.651	1.729	1.807

Summary for CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Carbon dioxide from Biogenic sources	**25.8**	**26.2**	**24.7**	**25.2**	**25.4**	**24.9**	**25.0**	**25.0**	**25.2**	**26.1**	**25.8**	**28.0**	**27.8**	**28.2**

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Forested Lands & Wood Products

2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013

This section of the inventory is currently under development