California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Electricity Generation (In State)	**60.76**	**64.67**	**51.57**	**49.77**	**58.09**	**52.45**	**56.99**	**55.80**	**55.74**
CHP: Commercial	***0.74***	***0.68***	***0.71***	***0.82***	***0.85***	***0.98***	***0.96***	***0.78***	***0.76***
Not Specified	**0.74**	**0.68**	**0.71**	**0.82**	**0.85**	**0.98**	**0.96**	**0.78**	**0.76**
Fuel combustion - Crude oil	*0.00*	*0.00*	*0.06*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.064	0.002	0.000	0.000	0.000	0.001	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Digester gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Distillate	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.001	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Jet fuel	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Kerosene	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Landfill gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*0.74*	*0.68*	*0.65*	*0.82*	*0.85*	*0.98*	*0.96*	*0.77*	*0.76*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.741	0.682	0.649	0.819	0.852	0.980	0.956	0.774	0.762
N2O	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.000
Fuel combustion - Propane	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CHP: Industrial	***18.38***	***16.84***	***20.55***	***17.73***	***22.27***	***20.14***	***18.93***	***13.64***	***13.47***
Not Specified	**18.38**	**16.84**	**20.55**	**17.73**	**22.27**	**20.14**	**18.93**	**13.64**	**13.47**
Fuel combustion - Biomass	*0.03*	*0.05*	*0.03*	*0.03*	*0.02*	*0.02*	*0.03*	*0.02*	*0.02*
CH4	0.011	0.015	0.011	0.010	0.006	0.006	0.010	0.006	0.006
N2O	0.022	0.030	0.021	0.020	0.012	0.012	0.019	0.013	0.011
Fuel combustion - Coal	*2.27*	*2.14*	*2.40*	*2.17*	*2.59*	*2.24*	*2.41*	*1.91*	*2.07*
CH4	0.001	0.000	0.001	0.000	0.001	0.001	0.001	0.000	0.000

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
CO2	2.259	2.127	2.390	2.164	2.578	2.226	2.394	1.900	2.058
N2O	0.011	0.011	0.012	0.011	0.013	0.011	0.012	0.009	0.010
Fuel combustion - Crude oil	*0.02*	*0.01*	*0.06*	*0.02*	*0.01*	*0.02*	*0.02*	*0.01*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.017	0.012	0.056	0.015	0.012	0.020	0.025	0.007	0.008
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Digester gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Distillate	*0.00*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.002	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Landfill gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*13.26*	*12.58*	*15.64*	*13.35*	*17.29*	*15.42*	*14.10*	*9.88*	*9.96*
CH4	0.005	0.005	0.006	0.005	0.007	0.006	0.006	0.004	0.004
CO2	13.251	12.571	15.625	13.342	17.273	15.405	14.085	9.872	9.948
N2O	0.008	0.007	0.009	0.008	0.010	0.009	0.008	0.006	0.006
Fuel combustion - Petroleum coke	*1.39*	*1.33*	*1.72*	*1.18*	*1.01*	*1.22*	*1.21*	*1.11*	*0.79*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000
CO2	1.386	1.327	1.719	1.180	1.006	1.220	1.204	1.108	0.787
N2O	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.001
Fuel combustion - Propane	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Refinery gas	*1.27*	*0.67*	*0.68*	*0.78*	*1.28*	*1.13*	*1.06*	*0.62*	*0.59*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	1.267	0.665	0.679	0.780	1.281	1.126	1.064	0.623	0.589
N2O	0.001	0.000	0.000	0.000	0.001	0.001	0.001	0.000	0.000
Fuel combustion - Residual fuel oil	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.003	0.001	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Tires	*0.02*	*0.00*	*0.02*	*0.02*	*0.04*	*0.04*	*0.03*	*0.01*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.022	0.001	0.018	0.025	0.036	0.037	0.028	0.014	0.012
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Fuel combustion - Waste oil	*0.12*	*0.06*	*0.00*	*0.17*	*0.03*	*0.06*	*0.08*	*0.07*	*0.03*
CH4	0.001	0.001	0.000	0.001	0.000	0.000	0.001	0.001	0.000
CO2	0.113	0.060	0.002	0.162	0.030	0.056	0.074	0.069	0.029
N2O	0.002	0.001	0.000	0.003	0.000	0.001	0.001	0.001	0.000
Merchant Owned	***33.73***	***39.59***	***24.56***	***25.01***	***28.49***	***24.11***	***27.19***	***30.32***	***29.65***
Not Specified	**33.73**	**39.59**	**24.56**	**25.01**	**28.49**	**24.11**	**27.19**	**30.32**	**29.65**
Fuel combustion - Biomass	*0.07*	*0.06*	*0.08*	*0.09*	*0.08*	*0.09*	*0.09*	*0.08*	*0.08*
CH4	0.025	0.022	0.029	0.030	0.028	0.029	0.029	0.027	0.028
N2O	0.049	0.043	0.056	0.059	0.056	0.058	0.058	0.054	0.056
Fuel combustion - Crude oil	*0.00*	*0.00*	*0.00*	*0.02*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.018	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Digester gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Distillate	*0.25*	*0.48*	*0.05*	*0.06*	*0.05*	*0.05*	*0.03*	*0.02*	*0.02*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.249	0.480	0.050	0.057	0.050	0.045	0.034	0.019	0.023
N2O	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Jet fuel	*0.00*	*0.00*	*0.00*	*0.00*	*0.02*	*0.04*	*0.04*	*0.03*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.002	0.022	0.035	0.042	0.025	0.010
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Kerosene	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Landfill gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.001	0.001	0.000	0.000	0.001	0.000	0.001	0.001	0.001
Fuel combustion - MSW	*0.26*	*0.27*	*0.27*	*0.26*	*0.24*	*0.22*	*0.26*	*0.26*	*0.11*
CH4	0.005	0.005	0.005	0.005	0.005	0.004	0.005	0.005	0.002
CO2	0.249	0.252	0.259	0.242	0.229	0.211	0.241	0.242	0.104
N2O	0.010	0.010	0.010	0.010	0.009	0.008	0.010	0.010	0.004
Fuel combustion - Natural gas	*30.12*	*35.85*	*21.31*	*21.54*	*24.94*	*20.49*	*23.57*	*26.33*	*26.32*
CH4	0.012	0.014	0.008	0.009	0.010	0.008	0.009	0.010	0.010
CO2	30.095	35.813	21.294	21.519	24.918	20.474	23.546	26.309	26.295
N2O	0.018	0.021	0.012	0.013	0.015	0.012	0.014	0.015	0.015

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Fuel combustion - Petroleum coke	*0.93*	*0.96*	*0.93*	*1.16*	*1.20*	*1.22*	*1.24*	*1.29*	*1.13*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.928	0.958	0.927	1.155	1.199	1.222	1.235	1.288	1.130
N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Fuel combustion - Refinery gas	*0.09*	*0.00*	*0.00*	*0.00*	*0.04*	*0.08*	*0.08*	*0.41*	*0.08*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.092	0.000	0.000	0.000	0.037	0.084	0.085	0.411	0.083
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Residual fuel oil	*0.03*	*0.04*	*0.02*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.029	0.044	0.020	0.004	0.000	0.002	0.002	0.001	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Waste oil	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Geothermal power - Geothermal	*1.95*	*1.93*	*1.88*	*1.89*	*1.91*	*1.91*	*1.88*	*1.90*	*1.89*
CO2	1.948	1.928	1.882	1.888	1.907	1.912	1.875	1.901	1.890
Transmission and Distribution	***0.83***	***0.80***	***0.69***	***0.70***	***0.69***	***0.69***	***0.70***	***0.64***	***0.62***
Not Specified	**0.83**	**0.80**	**0.69**	**0.70**	**0.69**	**0.69**	**0.70**	**0.64**	**0.62**
Electricity transmitted	*0.83*	*0.80*	*0.69*	*0.70*	*0.69*	*0.69*	*0.70*	*0.64*	*0.62*
SF6	0.826	0.803	0.692	0.695	0.687	0.691	0.704	0.644	0.619
Utility Owned	***7.08***	***6.74***	***5.05***	***5.51***	***5.79***	***6.52***	***9.20***	***10.42***	***11.23***
Not Specified	**7.08**	**6.74**	**5.05**	**5.51**	**5.79**	**6.52**	**9.20**	**10.42**	**11.23**
Fuel combustion - Biomass	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Digester gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Distillate	*0.13*	*0.10*	*0.05*	*0.05*	*0.05*	*0.06*	*0.05*	*0.05*	*0.05*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.129	0.104	0.045	0.051	0.049	0.056	0.050	0.051	0.050
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Landfill gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*6.93*	*6.44*	*4.82*	*5.29*	*5.57*	*6.32*	*8.99*	*10.21*	*11.03*
CH4	0.003	0.003	0.002	0.002	0.002	0.002	0.004	0.004	0.004
CO2	6.927	6.432	4.811	5.289	5.569	6.311	8.983	10.200	11.014

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
N2O	0.004	0.004	0.003	0.003	0.003	0.004	0.005	0.006	0.006
Fuel combustion - Residual fuel oil	*0.01*	*0.20*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*0.01*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.014	0.199	0.000	0.002	0.000	0.000	0.006	0.008	0.004
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Geothermal power - Geothermal	*0.00*	*0.00*	*0.19*	*0.17*	*0.17*	*0.15*	*0.15*	*0.15*	*0.15*
CO2	0.000	0.000	0.187	0.166	0.167	0.149	0.154	0.154	0.149
Electricity Generation (Imports)	**44.31**	**57.11**	**56.00**	**61.17**	**62.92**	**59.57**	**51.68**	**56.27**	**61.58**
Specified Imports	***30.16***	***32.07***	***30.19***	***30.60***	***31.24***	***30.78***	***24.98***	***25.37***	***26.05***
PNW : Boardman (OR)	**1.00**	**0.96**	**0.81**	**0.96**	**0.77**	**0.75**	**0.51**	**0.94**	**0.87**
Fuel combustion - Coal	*0.99*	*0.96*	*0.81*	*0.95*	*0.77*	*0.75*	*0.51*	*0.93*	*0.87*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.989	0.959	0.802	0.950	0.767	0.742	0.509	0.930	0.862
N2O	0.005	0.005	0.004	0.005	0.004	0.004	0.002	0.004	0.004
Fuel combustion - Distillate	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.001	0.001	0.001	0.003	0.001	0.001	0.001	0.001	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PSW : Bonanza (UT)	**0.21**	**0.20**	**0.19**	**0.19**	**0.20**	**0.19**	**0.20**	**0.18**	**0.20**
Fuel combustion - Coal	*0.21*	*0.20*	*0.19*	*0.19*	*0.20*	*0.19*	*0.20*	*0.18*	*0.20*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.205	0.203	0.191	0.191	0.195	0.193	0.195	0.180	0.195
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Fuel combustion - Distillate	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PSW : Caithness Dixie Valley (NV)	**0.07**	**0.07**	**0.07**	**0.06**	**0.07**	**0.07**	**0.07**	**0.07**	**0.06**
Geothermal power - Geothermal	*0.07*	*0.07*	*0.07*	*0.06*	*0.07*	*0.07*	*0.07*	*0.07*	*0.06*
CO2	0.070	0.067	0.069	0.064	0.074	0.074	0.073	0.071	0.055
PSW : Four Corners (NM)	**4.97**	**5.19**	**4.30**	**5.20**	**5.01**	**5.16**	**5.31**	**4.85**	**4.64**
Fuel combustion - Coal	*4.96*	*5.18*	*4.29*	*5.19*	*5.00*	*5.15*	*5.31*	*4.85*	*4.64*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	4.933	5.151	4.271	5.163	4.975	5.129	5.280	4.821	4.614
N2O	0.024	0.025	0.020	0.025	0.024	0.025	0.025	0.023	0.023
Fuel combustion - Natural gas	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.010	0.010	0.012	0.009	0.008	0.006	0.006	0.006	0.007
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
PSW : Hunter (UT)	**0.21**	**0.22**	**0.21**	**0.20**	**0.22**	**0.22**	**0.21**	**0.19**	**0.21**
Fuel combustion - Coal	*0.21*	*0.22*	*0.21*	*0.20*	*0.22*	*0.22*	*0.21*	*0.19*	*0.21*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.209	0.217	0.205	0.203	0.217	0.216	0.210	0.188	0.205
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Fuel combustion - Distillate	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PSW : Intermountain (UT)	**11.04**	**10.98**	**10.92**	**11.14**	**11.43**	**10.94**	**11.46**	**10.83**	**10.79**
Fuel combustion - Coal	*11.03*	*10.98*	*10.92*	*11.13*	*11.42*	*10.93*	*11.45*	*10.83*	*10.79*
CH4	0.002	0.002	0.002	0.002	0.003	0.002	0.003	0.002	0.002
CO2	10.973	10.923	10.862	11.073	11.363	10.878	11.395	10.771	10.734
N2O	0.055	0.054	0.054	0.055	0.057	0.054	0.057	0.054	0.053
Fuel combustion - Distillate	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.005	0.005	0.004	0.005	0.004	0.004	0.004	0.003	0.003
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PSW : La Rosita (MEX)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.98**
Fuel combustion - Natural gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.98*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.983
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
PSW : Mohave (NV)	**7.32**	**6.95**	**6.05**	**5.78**	**6.07**	**6.32**	**0.00**	**0.00**	**0.00**
Fuel combustion - Coal	*7.29*	*6.93*	*6.05*	*5.77*	*6.07*	*6.31*	*0.00*	*0.00*	*0.00*
CH4	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000	0.000
CO2	7.255	6.899	6.014	5.744	6.035	6.279	0.000	0.000	0.000
N2O	0.036	0.034	0.030	0.029	0.030	0.031	0.000	0.000	0.000
Fuel combustion - Natural gas	*0.03*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.026	0.011	0.006	0.008	0.006	0.006	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PSW : Navajo (AZ)	**3.44**	**3.32**	**3.45**	**3.14**	**3.33**	**3.03**	**3.20**	**3.27**	**3.25**
Fuel combustion - Coal	*3.43*	*3.31*	*3.44*	*3.14*	*3.33*	*3.02*	*3.19*	*3.27*	*3.25*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	3.414	3.296	3.427	3.122	3.314	3.008	3.178	3.255	3.235
N2O	0.017	0.016	0.017	0.016	0.016	0.015	0.016	0.016	0.016
Fuel combustion - Distillate	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
CO2	0.003	0.003	0.003	0.004	0.002	0.003	0.002	0.003	0.002
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PSW : Reid Gardner (NV)	**1.25**	**1.13**	**1.18**	**1.13**	**1.13**	**1.12**	**1.04**	**1.04**	**0.92**
Fuel combustion - Coal	*1.25*	*1.13*	*1.17*	*1.13*	*1.13*	*1.12*	*1.04*	*1.04*	*0.92*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	1.245	1.125	1.166	1.121	1.121	1.111	1.036	1.033	0.918
N2O	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.005
Fuel combustion - Distillate	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.002	0.002	0.003	0.002	0.002	0.003	0.001	0.001	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PSW : San Juan (NM)	**0.55**	**2.88**	**2.91**	**2.73**	**2.94**	**2.91**	**2.91**	**2.68**	**2.48**
Fuel combustion - Coal	*0.54*	*2.87*	*2.91*	*2.72*	*2.94*	*2.91*	*2.90*	*2.68*	*2.47*
CH4	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.542	2.859	2.894	2.705	2.921	2.896	2.885	2.665	2.455
N2O	0.003	0.014	0.014	0.013	0.014	0.014	0.014	0.013	0.012
Fuel combustion - Distillate	*0.00*	*0.00*	*0.00*	*0.01*	*0.00*	*0.00*	*0.01*	*0.01*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.001	0.005	0.005	0.008	0.005	0.005	0.006	0.006	0.008
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PSW : Termoelectrica de Mexicali (MEX)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.24**	**1.57**
Fuel combustion - Natural gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*1.24*	*1.57*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.236	1.569
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
PSW : Yucca/Yuma Axis (AZ)	**0.13**	**0.17**	**0.11**	**0.07**	**0.07**	**0.06**	**0.07**	**0.08**	**0.08**
Fuel combustion - Distillate	*0.02*	*0.03*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.017	0.029	0.001	0.001	0.002	0.000	0.001	0.001	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*0.11*	*0.14*	*0.10*	*0.07*	*0.07*	*0.06*	*0.07*	*0.08*	*0.08*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.108	0.140	0.105	0.068	0.070	0.064	0.071	0.075	0.077
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Residual fuel oil	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Transmission and Distribution	***0.32***	***0.35***	***0.38***	***0.36***	***0.37***	***0.35***	***0.30***	***0.32***	***0.34***
Not Specified	**0.32**	**0.35**	**0.38**	**0.36**	**0.37**	**0.35**	**0.30**	**0.32**	**0.34**
Electricity transmitted	*0.32*	*0.35*	*0.38*	*0.36*	*0.37*	*0.35*	*0.30*	*0.32*	*0.34*
SF6	0.316	0.349	0.382	0.356	0.366	0.346	0.298	0.323	0.344
Unspecified Imports	***13.83***	***24.69***	***25.42***	***30.21***	***31.32***	***28.44***	***26.40***	***30.57***	***35.19***
PNW	**4.34**	**2.44**	**5.80**	**8.34**	**7.16**	**5.76**	**7.02**	**7.48**	**10.20**
Electricity generation - Imported electricity	*4.34*	*2.44*	*5.80*	*8.34*	*7.16*	*5.76*	*7.02*	*7.48*	*10.20*
CH4	0.001	0.001	0.001	0.002	0.002	0.001	0.002	0.002	0.002
CO2	4.314	2.427	5.776	8.305	7.127	5.736	6.993	7.448	10.156
N2O	0.021	0.012	0.024	0.036	0.030	0.024	0.029	0.032	0.043
PSW	**9.49**	**22.25**	**19.62**	**21.87**	**24.16**	**22.68**	**19.38**	**23.09**	**24.99**
Electricity generation - Imported electricity	*9.49*	*22.25*	*19.62*	*21.87*	*24.16*	*22.68*	*19.38*	*23.09*	*24.99*
CH4	0.002	0.005	0.005	0.006	0.007	0.006	0.005	0.006	0.006
CO2	9.450	22.154	19.539	21.778	24.065	22.592	19.305	23.001	24.878
N2O	0.040	0.093	0.076	0.085	0.086	0.084	0.065	0.086	0.104
Transportation	**171.13**	**173.71**	**180.36**	**178.03**	**181.71**	**184.32**	**184.11**	**183.84**	**174.99**
Aviation	***2.68***	***2.50***	***2.66***	***2.59***	***2.64***	***2.70***	***2.68***	***2.96***	***2.42***
Domestic Air transport	**0.25**	**0.19**	**0.21**	**0.21**	**0.19**	**0.19**	**0.16**	**0.16**	**0.14**
Fuel combustion - Aviation gasoline	*0.25*	*0.19*	*0.21*	*0.21*	*0.19*	*0.19*	*0.16*	*0.16*	*0.14*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.252	0.187	0.209	0.210	0.193	0.185	0.161	0.154	0.142
N2O	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000
Domestic Air transport : Intrastate	**2.17**	**2.07**	**2.18**	**2.11**	**2.20**	**2.30**	**2.31**	**2.58**	**2.08**
Fuel combustion - Jet fuel	*2.17*	*2.07*	*2.18*	*2.11*	*2.20*	*2.30*	*2.31*	*2.58*	*2.08*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	2.144	2.050	2.161	2.087	2.177	2.275	2.284	2.556	2.060
N2O	0.021	0.020	0.021	0.020	0.021	0.022	0.022	0.025	0.020
Not Specified	**0.26**	**0.24**	**0.27**	**0.27**	**0.25**	**0.22**	**0.21**	**0.23**	**0.19**
Fuel combustion - Ethanol	*0.00*	*0.00*	*0.00*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.001	0.001	0.001	0.006	0.009	0.008	0.008	0.008	0.008
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Gasoline	*0.26*	*0.24*	*0.27*	*0.26*	*0.24*	*0.21*	*0.20*	*0.22*	*0.18*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.262	0.242	0.268	0.261	0.236	0.212	0.202	0.216	0.183
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Not Specified Transportation	***3.41***	***4.08***	***2.94***	***2.81***	***2.90***	***3.11***	***3.00***	***2.56***	***2.44***
Not Specified	**3.41**	**4.08**	**2.94**	**2.81**	**2.90**	**3.11**	**3.00**	**2.56**	**2.44**
Fuel combustion - Distillate	*2.12*	*2.88*	*1.73*	*1.68*	*1.77*	*1.89*	*1.80*	*1.34*	*1.06*
CH4	0.002	0.002	0.001	0.001	0.002	0.002	0.002	0.001	0.001
CO2	2.118	2.874	1.729	1.678	1.764	1.884	1.791	1.337	1.061
N2O	0.005	0.007	0.004	0.004	0.004	0.005	0.005	0.003	0.003
Fuel combustion - LPG	*0.08*	*0.09*	*0.12*	*0.11*	*0.12*	*0.21*	*0.21*	*0.18*	*0.32*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.083	0.095	0.122	0.115	0.116	0.205	0.211	0.185	0.315
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Residual fuel oil	*0.00*	*0.00*	*0.00*	*0.01*	*0.00*	*0.01*	*0.00*	*0.02*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.002	0.000	0.014	0.000	0.006	0.005	0.021	0.008
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel consumption - Lubricants	*1.20*	*1.10*	*1.08*	*1.00*	*1.02*	*1.01*	*0.98*	*1.02*	*1.05*
CO2	1.198	1.097	1.084	1.002	1.015	1.010	0.984	1.016	1.048
On Road	***159.40***	***161.69***	***168.40***	***166.17***	***169.22***	***170.82***	***170.49***	***170.79***	***163.30***
Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes	**32.49**	**32.45**	**32.97**	**33.34**	**34.98**	**36.31**	**36.68**	**37.45**	**34.79**
Fuel combustion - Distillate	*25.80*	*25.70*	*26.28*	*26.10*	*27.83*	*29.26*	*29.76*	*30.68*	*28.20*
CH4	0.018	0.018	0.018	0.017	0.017	0.018	0.018	0.018	0.016
CO2	25.519	25.424	25.995	25.822	27.536	28.946	29.446	30.351	27.896
N2O	0.259	0.258	0.264	0.262	0.279	0.294	0.299	0.308	0.283
Fuel combustion - Ethanol	*0.02*	*0.02*	*0.03*	*0.17*	*0.26*	*0.27*	*0.26*	*0.26*	*0.27*
CH4	0.000	0.000	0.000	0.001	0.002	0.002	0.001	0.001	0.001
CO2	0.016	0.021	0.025	0.159	0.238	0.250	0.245	0.239	0.250
N2O	0.002	0.002	0.002	0.014	0.020	0.020	0.018	0.017	0.017
Fuel combustion - Gasoline	*6.68*	*6.72*	*6.67*	*7.07*	*6.89*	*6.78*	*6.66*	*6.52*	*6.33*
CH4	0.040	0.037	0.035	0.033	0.030	0.027	0.023	0.021	0.018
CO2	6.215	6.290	6.241	6.661	6.514	6.431	6.334	6.224	6.055
N2O	0.423	0.396	0.392	0.374	0.344	0.325	0.298	0.276	0.256
Light-duty Vehicles : Light-duty Trucks & SUVs	**60.84**	**63.61**	**67.97**	**69.09**	**71.20**	**72.53**	**71.97**	**71.63**	**68.86**
Fuel combustion - Distillate	*0.83*	*0.91*	*1.09*	*0.99*	*1.03*	*0.90*	*0.75*	*0.75*	*0.65*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.820	0.905	1.082	0.978	1.021	0.890	0.741	0.744	0.640
N2O	0.008	0.009	0.011	0.010	0.010	0.009	0.008	0.008	0.006
Fuel combustion - Ethanol	*0.15*	*0.22*	*0.27*	*1.61*	*2.51*	*2.72*	*2.69*	*2.66*	*2.74*
CH4	0.001	0.001	0.001	0.007	0.009	0.009	0.009	0.008	0.008
CO2	0.145	0.204	0.256	1.539	2.401	2.608	2.588	2.560	2.642
N2O	0.009	0.011	0.012	0.069	0.098	0.098	0.093	0.088	0.087

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Fuel combustion - Gasoline	*59.85*	*62.48*	*66.60*	*66.49*	*67.66*	*68.92*	*68.54*	*68.22*	*65.48*
CH4	0.228	0.210	0.198	0.183	0.167	0.153	0.142	0.132	0.118
CO2	57.338	60.129	64.376	64.448	65.769	67.142	66.860	66.633	64.023
N2O	2.286	2.137	2.030	1.860	1.727	1.621	1.535	1.458	1.335
Light-duty Vehicles : Motorcycles	**0.24**	**0.32**	**0.36**	**0.53**	**0.58**	**0.59**	**0.61**	**0.62**	**0.60**
Fuel combustion - Ethanol	*0.00*	*0.00*	*0.00*	*0.01*	*0.02*	*0.02*	*0.02*	*0.02*	*0.03*
CH4	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001
CO2	0.001	0.001	0.001	0.011	0.018	0.020	0.020	0.021	0.022
N2O	0.000	0.000	0.000	0.001	0.002	0.003	0.003	0.003	0.003
Fuel combustion - Gasoline	*0.24*	*0.32*	*0.36*	*0.52*	*0.56*	*0.57*	*0.58*	*0.59*	*0.58*
CH4	0.006	0.008	0.009	0.013	0.014	0.014	0.014	0.014	0.013
CO2	0.217	0.286	0.324	0.468	0.502	0.513	0.524	0.534	0.523
N2O	0.018	0.024	0.027	0.039	0.041	0.042	0.043	0.044	0.042
Light-duty Vehicles : Passenger Cars	**65.71**	**65.18**	**66.95**	**63.02**	**62.23**	**60.88**	**60.70**	**60.54**	**58.47**
Fuel combustion - Distillate	*0.35*	*0.31*	*0.30*	*0.25*	*0.26*	*0.21*	*0.17*	*0.16*	*0.13*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.351	0.307	0.297	0.247	0.258	0.210	0.166	0.158	0.129
N2O	0.004	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.001
Fuel combustion - Ethanol	*0.17*	*0.22*	*0.27*	*1.49*	*2.22*	*2.30*	*2.29*	*2.26*	*2.34*
CH4	0.001	0.001	0.001	0.007	0.010	0.009	0.008	0.008	0.007
CO2	0.158	0.212	0.256	1.420	2.120	2.208	2.198	2.179	2.258
N2O	0.008	0.010	0.012	0.060	0.085	0.083	0.080	0.076	0.076
Fuel combustion - Gasoline	*65.19*	*64.64*	*66.38*	*61.28*	*59.76*	*58.37*	*58.24*	*58.11*	*56.00*
CH4	0.281	0.250	0.231	0.195	0.174	0.152	0.139	0.127	0.111
CO2	62.743	62.409	64.264	59.454	58.083	56.834	56.787	56.726	54.721
N2O	2.164	1.984	1.884	1.631	1.501	1.380	1.317	1.262	1.165
Not Specified	**0.12**	**0.15**	**0.15**	**0.19**	**0.22**	**0.51**	**0.53**	**0.55**	**0.58**
Fuel combustion - Natural gas	*0.12*	*0.15*	*0.15*	*0.19*	*0.22*	*0.51*	*0.53*	*0.55*	*0.58*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.122	0.145	0.150	0.186	0.219	0.510	0.526	0.551	0.576
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Rail	***1.86***	***1.87***	***2.48***	***2.41***	***2.89***	***3.32***	***3.50***	***3.15***	***2.52***
Not Specified	**1.86**	**1.87**	**2.48**	**2.41**	**2.89**	**3.32**	**3.50**	**3.15**	**2.52**
Fuel combustion - Distillate	*1.86*	*1.87*	*2.48*	*2.41*	*2.89*	*3.32*	*3.50*	*3.15*	*2.52*
CH4	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.002
CO2	1.857	1.868	2.472	2.400	2.881	3.307	3.492	3.135	2.516
N2O	0.005	0.005	0.006	0.006	0.007	0.008	0.009	0.008	0.006

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Water-borne	***3.77***	***3.56***	***3.87***	***4.04***	***4.06***	***4.36***	***4.45***	***4.38***	***4.32***
International : Port activities	**0.46**	**0.49**	**0.51**	**0.54**	**0.57**	**0.59**	**0.62**	**0.60**	**0.60**
Fuel combustion - Distillate	*0.06*	*0.06*	*0.06*	*0.07*	*0.07*	*0.07*	*0.08*	*0.07*	*0.08*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.057	0.060	0.063	0.066	0.069	0.072	0.076	0.073	0.074
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Fuel combustion - Residual fuel oil	*0.41*	*0.43*	*0.45*	*0.47*	*0.50*	*0.52*	*0.55*	*0.52*	*0.52*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.403	0.424	0.446	0.469	0.492	0.517	0.544	0.520	0.520
N2O	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
International : Transit (CA waters)	**0.49**	**0.51**	**0.53**	**0.56**	**0.58**	**0.61**	**0.64**	**0.61**	**0.61**
Fuel combustion - Distillate	*0.01*	*0.01*	*0.01*	*0.01*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.012	0.012	0.013	0.014	0.015	0.016	0.017	0.016	0.016
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Residual fuel oil	*0.48*	*0.50*	*0.52*	*0.54*	*0.57*	*0.59*	*0.62*	*0.59*	*0.59*
CH4	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002
CO2	0.472	0.493	0.514	0.536	0.560	0.585	0.611	0.585	0.585
N2O	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Interstate : Port activities	**0.06**	**0.06**	**0.06**	**0.06**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**
Fuel combustion - Distillate	*0.00*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Residual fuel oil	*0.05*	*0.05*	*0.06*	*0.06*	*0.06*	*0.06*	*0.07*	*0.06*	*0.06*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.051	0.053	0.056	0.059	0.061	0.064	0.067	0.063	0.062
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Interstate : Transit (CA waters)	**0.21**	**0.22**	**0.23**	**0.24**	**0.26**	**0.27**	**0.28**	**0.27**	**0.27**
Fuel combustion - Distillate	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Residual fuel oil	*0.21*	*0.22*	*0.23*	*0.24*	*0.25*	*0.26*	*0.28*	*0.26*	*0.26*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.204	0.214	0.225	0.236	0.248	0.260	0.273	0.261	0.261
N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Intrastate : Harbor craft	**1.16**	**1.17**	**1.17**	**1.18**	**1.19**	**1.25**	**1.27**	**1.27**	**1.27**
Fuel combustion - Distillate	*1.16*	*1.17*	*1.17*	*1.18*	*1.19*	*1.25*	*1.27*	*1.27*	*1.27*
CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
CO2	1.144	1.151	1.158	1.166	1.172	1.237	1.251	1.257	1.258
N2O	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.013
Intrastate : Port activities	**0.21**	**0.22**	**0.24**	**0.25**	**0.26**	**0.27**	**0.29**	**0.27**	**0.27**
Fuel combustion - Distillate	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.03*	*0.02*	*0.02*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.019	0.020	0.021	0.022	0.024	0.025	0.026	0.025	0.025
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Residual fuel oil	*0.19*	*0.20*	*0.21*	*0.22*	*0.24*	*0.25*	*0.26*	*0.24*	*0.24*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.193	0.203	0.213	0.223	0.234	0.246	0.257	0.243	0.239
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Intrastate : Transit (CA waters)	**0.47**	**0.50**	**0.53**	**0.56**	**0.59**	**0.62**	**0.65**	**0.62**	**0.62**
Fuel combustion - Distillate	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.008	0.008	0.009	0.009	0.010	0.011	0.011	0.011	0.011
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Residual fuel oil	*0.46*	*0.49*	*0.52*	*0.55*	*0.58*	*0.61*	*0.64*	*0.61*	*0.61*
CH4	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002
CO2	0.459	0.485	0.512	0.540	0.569	0.599	0.631	0.605	0.606
N2O	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.005	0.005
Not Specified	**0.71**	**0.39**	**0.60**	**0.66**	**0.56**	**0.68**	**0.63**	**0.66**	**0.61**
Fuel combustion - Ethanol	*0.00*	*0.00*	*0.00*	*0.02*	*0.02*	*0.03*	*0.02*	*0.02*	*0.02*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.002	0.001	0.002	0.015	0.020	0.025	0.023	0.024	0.024
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Gasoline	*0.71*	*0.39*	*0.59*	*0.64*	*0.54*	*0.66*	*0.61*	*0.64*	*0.59*
CH4	0.001	0.000	0.001	0.001	0.000	0.001	0.001	0.001	0.001
CO2	0.704	0.392	0.593	0.639	0.537	0.653	0.604	0.638	0.583
N2O	0.002	0.001	0.002	0.002	0.001	0.002	0.002	0.002	0.002
Industrial	**104.56**	**101.71**	**103.57**	**103.08**	**97.76**	**97.90**	**97.80**	**101.06**	**100.03**
CHP: Industrial	***11.96***	***10.69***	***10.84***	***10.79***	***6.19***	***6.91***	***6.90***	***11.22***	***10.47***
Useful Thermal Output	**11.96**	**10.69**	**10.84**	**10.79**	**6.19**	**6.91**	**6.90**	**11.22**	**10.47**
Fuel combustion - Biomass	*0.03*	*0.02*	*0.01*	*0.01*	*0.03*	*0.03*	*0.02*	*0.03*	*0.03*
CH4	0.009	0.007	0.004	0.004	0.009	0.010	0.007	0.010	0.010
N2O	0.017	0.014	0.008	0.008	0.018	0.020	0.014	0.020	0.019

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Fuel combustion - Coal	*1.66*	*1.72*	*1.66*	*1.74*	*1.39*	*1.53*	*1.52*	*2.04*	*1.72*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	1.650	1.713	1.648	1.733	1.378	1.521	1.509	2.034	1.716
N2O	0.008	0.009	0.008	0.009	0.007	0.008	0.008	0.010	0.009
Fuel combustion - Crude oil	*0.05*	*0.05*	*0.03*	*0.06*	*0.05*	*0.04*	*0.04*	*0.06*	*0.07*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.045	0.046	0.030	0.057	0.049	0.041	0.038	0.064	0.067
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Distillate	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Landfill gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*7.66*	*6.84*	*8.12*	*7.68*	*3.75*	*3.82*	*4.00*	*7.78*	*7.51*
CH4	0.003	0.003	0.003	0.003	0.001	0.002	0.002	0.003	0.003
CO2	7.654	6.829	8.114	7.670	3.744	3.821	3.998	7.774	7.504
N2O	0.004	0.004	0.005	0.004	0.002	0.002	0.002	0.005	0.004
Fuel combustion - Petroleum coke	*0.59*	*0.64*	*0.28*	*0.25*	*0.61*	*0.61*	*0.54*	*0.45*	*0.10*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.588	0.640	0.281	0.252	0.605	0.611	0.541	0.452	0.100
N2O	0.001	0.001	0.001	0.000	0.001	0.001	0.001	0.001	0.000
Fuel combustion - Propane	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Refinery gas	*1.86*	*1.36*	*0.73*	*0.88*	*0.36*	*0.82*	*0.73*	*0.76*	*1.00*
CH4	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	1.859	1.354	0.731	0.880	0.357	0.822	0.729	0.758	1.001
N2O	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Residual fuel oil	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.001	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Tires	*0.01*	*0.00*	*0.01*	*0.01*	*0.00*	*0.00*	*0.00*	*0.01*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.007	0.000	0.006	0.012	0.000	0.000	0.000	0.010	0.006
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Waste oil	*0.11*	*0.07*	*0.00*	*0.15*	*0.01*	*0.04*	*0.05*	*0.08*	*0.03*
CH4	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.001	0.000

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
CO2	0.105	0.067	0.000	0.149	0.014	0.042	0.045	0.076	0.024
N2O	0.002	0.001	0.000	0.003	0.000	0.001	0.001	0.001	0.000
Landfills	***6.20***	***6.28***	***6.21***	***6.29***	***6.23***	***6.52***	***6.59***	***6.53***	***6.71***
Not Specified	**6.20**	**6.28**	**6.21**	**6.29**	**6.23**	**6.52**	**6.59**	**6.53**	**6.71**
Landfill emissions - Landfill gas	*6.20*	*6.28*	*6.21*	*6.29*	*6.23*	*6.52*	*6.59*	*6.53*	*6.71*
CH4	6.199	6.274	6.208	6.287	6.226	6.517	6.590	6.528	6.704
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing	***27.18***	***26.42***	***28.12***	***25.21***	***24.96***	***23.72***	***24.46***	***23.22***	***22.47***
Chemicals & Allied Products : Fuel Use	**1.33**	**1.41**	**1.40**	**0.91**	**0.97**	**0.98**	**1.33**	**1.35**	**1.52**
Fuel combustion - Natural gas	*1.33*	*1.41*	*1.40*	*0.91*	*0.97*	*0.98*	*1.33*	*1.35*	*1.52*
CH4	0.001	0.001	0.001	0.000	0.000	0.000	0.001	0.001	0.001
CO2	1.325	1.407	1.397	0.913	0.971	0.980	1.328	1.352	1.521
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Chemicals & Allied Products : Fugitives	**0.02**	**0.03**	**0.02**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Fugitive emissions	*0.02*	*0.03*	*0.02*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.023	0.027	0.016	0.013	0.011	0.013	0.011	0.011	0.011
Chemicals & Allied Products : Nitric Acid	**0.07**	**0.06**	**0.06**	**0.06**	**0.06**	**0.06**	**0.09**	**0.08**	**0.06**
Nitric acid production	*0.07*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.09*	*0.08*	*0.06*
N2O	0.072	0.059	0.063	0.060	0.059	0.061	0.093	0.076	0.060
Construction	**0.41**	**0.60**	**0.62**	**0.63**	**0.77**	**0.74**	**0.62**	**0.50**	**0.46**
Fuel combustion - Ethanol	*0.00*	*0.00*	*0.00*	*0.01*	*0.02*	*0.02*	*0.02*	*0.02*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.001	0.002	0.002	0.012	0.021	0.020	0.019	0.015	0.015
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Gasoline	*0.28*	*0.49*	*0.52*	*0.51*	*0.58*	*0.51*	*0.50*	*0.39*	*0.35*
CH4	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
CO2	0.282	0.484	0.521	0.512	0.577	0.506	0.500	0.394	0.353
N2O	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001
Fuel combustion - Natural gas	*0.13*	*0.12*	*0.10*	*0.11*	*0.17*	*0.22*	*0.09*	*0.09*	*0.09*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.130	0.117	0.098	0.108	0.174	0.215	0.095	0.088	0.094
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Construction : Fugitives	**0.00**	**0.00**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Fugitive emissions	*0.00*	*0.00*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.003	0.003	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Electric & Electronic Equip.	**0.06**	**0.04**	**0.05**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**
Fuel combustion - Natural gas	*0.06*	*0.04*	*0.05*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.059	0.043	0.055	0.029	0.031	0.028	0.029	0.029	0.029

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electric & Electronic Equip. : Fugitives	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fugitive emissions	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electric & Electronic Equip. : Semiconductors & Related Products	**1.26**	**0.89**	**0.78**	**0.78**	**0.78**	**0.78**	**0.87**	**0.84**	**0.80**
Semiconductor manufacture	*1.26*	*0.89*	*0.78*	*0.78*	*0.78*	*0.78*	*0.87*	*0.84*	*0.80*
C2F6	0.576	0.403	0.356	0.334	0.331	0.319	0.354	0.363	0.372
C3F8	0.025	0.019	0.011	0.016	0.007	0.006	0.006	0.007	0.008
C4F8	0.000	0.000	0.008	0.013	0.013	0.018	0.018	0.010	0.001
CF4	0.356	0.251	0.180	0.168	0.178	0.175	0.189	0.203	0.218
HFC-23	0.052	0.034	0.028	0.030	0.032	0.034	0.041	0.041	0.041
NF3	0.037	0.040	0.088	0.083	0.083	0.072	0.110	0.083	0.055
SF6	0.210	0.142	0.107	0.134	0.134	0.153	0.153	0.130	0.107
Food Products	**0.29**	**0.44**	**0.48**	**0.37**	**0.25**	**0.25**	**0.30**	**0.27**	**0.22**
Fuel combustion - Natural gas	*0.29*	*0.44*	*0.48*	*0.37*	*0.25*	*0.25*	*0.30*	*0.27*	*0.22*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.292	0.441	0.475	0.374	0.252	0.249	0.303	0.272	0.217
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Food Products : Food Processing	**3.29**	**2.88**	**3.19**	**2.51**	**2.47**	**2.39**	**2.85**	**2.93**	**2.59**
Fuel combustion - Natural gas	*3.29*	*2.88*	*3.19*	*2.51*	*2.47*	*2.39*	*2.85*	*2.93*	*2.59*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	3.291	2.874	3.182	2.510	2.463	2.386	2.850	2.931	2.589
N2O	0.002	0.002	0.002	0.001	0.001	0.001	0.002	0.002	0.002
Food Products : Fugitives	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Fugitive emissions	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.011	0.011	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Food Products : Sugar & Confections	**0.38**	**0.18**	**0.21**	**0.22**	**0.43**	**0.38**	**0.14**	**0.11**	**0.07**
Fuel combustion - Natural gas	*0.38*	*0.18*	*0.21*	*0.22*	*0.43*	*0.38*	*0.14*	*0.11*	*0.07*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.377	0.179	0.210	0.220	0.430	0.378	0.144	0.110	0.065
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Metal Durables : Computers & Office Machines	**0.90**	**0.39**	**0.43**	**0.36**	**0.32**	**0.33**	**0.36**	**0.33**	**0.31**
Fuel combustion - Natural gas	*0.90*	*0.39*	*0.43*	*0.36*	*0.32*	*0.33*	*0.36*	*0.33*	*0.31*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.902	0.389	0.429	0.356	0.318	0.333	0.361	0.332	0.307
N2O	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Metal Durables : Fabricated Metal Products	**0.68**	**0.70**	**0.74**	**0.49**	**0.52**	**0.52**	**0.51**	**0.51**	**0.46**
Fuel combustion - Natural gas	*0.68*	*0.70*	*0.74*	*0.49*	*0.52*	*0.52*	*0.51*	*0.51*	*0.46*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.677	0.703	0.736	0.491	0.518	0.524	0.506	0.505	0.461
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Metal Durables : Industrial Machinery & Equip.	**0.15**	**0.13**	**0.13**	**0.10**	**0.14**	**0.13**	**0.14**	**0.12**	**0.13**
Fuel combustion - Natural gas	*0.15*	*0.13*	*0.13*	*0.10*	*0.14*	*0.13*	*0.14*	*0.12*	*0.13*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.148	0.129	0.132	0.099	0.136	0.127	0.144	0.121	0.131
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified	**3.68**	**4.42**	**5.20**	**4.81**	**4.31**	**3.54**	**3.89**	**3.70**	**4.37**
Fuel combustion - Coal	*1.56*	*1.45*	*1.55*	*1.58*	*1.45*	*1.57*	*1.54*	*1.67*	*1.80*
CH4	0.003	0.003	0.003	0.004	0.003	0.004	0.003	0.004	0.004
CO2	1.551	1.441	1.543	1.569	1.444	1.560	1.528	1.656	1.783
N2O	0.008	0.007	0.008	0.008	0.007	0.008	0.008	0.008	0.009
Fuel combustion - Distillate	*0.44*	*0.49*	*0.44*	*0.42*	*0.51*	*0.47*	*0.53*	*0.53*	*0.42*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.436	0.486	0.434	0.422	0.513	0.466	0.530	0.533	0.421
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Fuel combustion - Ethanol	*0.00*	*0.00*	*0.00*	*0.02*	*0.04*	*0.03*	*0.03*	*0.03*	*0.04*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.003	0.003	0.022	0.035	0.035	0.034	0.033	0.036
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Gasoline	*0.15*	*0.84*	*0.88*	*0.92*	*0.97*	*0.89*	*0.88*	*0.85*	*0.87*
CH4	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.150	0.833	0.878	0.915	0.964	0.888	0.878	0.850	0.866
N2O	0.000	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002
Fuel combustion - Kerosene	*0.01*	*0.01*	*0.00*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.009	0.013	0.003	0.013	0.013	0.013	0.010	0.009	0.003
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - LPG	*1.45*	*1.55*	*2.24*	*1.63*	*1.17*	*0.43*	*0.73*	*0.47*	*1.09*
CH4	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000
CO2	1.447	1.548	2.234	1.630	1.167	0.426	0.730	0.465	1.088
N2O	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.001
Fuel combustion - Natural gas	*0.08*	*0.08*	*0.09*	*0.23*	*0.16*	*0.14*	*0.16*	*0.14*	*0.13*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.075	0.080	0.090	0.225	0.159	0.139	0.160	0.141	0.132
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Fuel combustion - Residual fuel oil	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.02*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified : Fugitives	**0.04**	**0.06**	**0.03**	**0.04**	**0.03**	**0.04**	**0.03**	**0.03**	**0.03**
Fugitive emissions	*0.04*	*0.06*	*0.03*	*0.04*	*0.03*	*0.04*	*0.03*	*0.03*	*0.03*
CH4	0.043	0.060	0.031	0.035	0.031	0.036	0.031	0.031	0.032
Plastics & Rubber	**0.05**	**0.06**	**0.07**	**0.02**	**0.01**	**0.01**	**0.01**	**0.01**	**0.02**
Fuel combustion - Natural gas	*0.05*	*0.06*	*0.07*	*0.02*	*0.01*	*0.01*	*0.01*	*0.01*	*0.02*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.046	0.059	0.072	0.020	0.014	0.012	0.008	0.014	0.018
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Plastics & Rubber : Fugitives	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Fugitive emissions	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.005	0.006	0.007	0.007	0.009	0.010	0.011	0.011	0.012
Plastics & Rubber : Plastics	**0.24**	**0.17**	**0.22**	**0.20**	**0.21**	**0.19**	**0.19**	**0.16**	**0.13**
Fuel combustion - Natural gas	*0.24*	*0.17*	*0.22*	*0.20*	*0.21*	*0.19*	*0.19*	*0.16*	*0.13*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.237	0.174	0.223	0.201	0.213	0.195	0.192	0.156	0.126
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Primary Metals	**0.81**	**0.78**	**0.92**	**0.75**	**0.72**	**0.60**	**0.45**	**0.52**	**0.54**
Fuel combustion - Natural gas	*0.81*	*0.78*	*0.92*	*0.75*	*0.72*	*0.60*	*0.45*	*0.52*	*0.54*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.813	0.777	0.920	0.753	0.721	0.600	0.448	0.520	0.535
N2O	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
Primary Metals : Fugitives	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fugitive emissions	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.003	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Printing & Publishing	**0.13**	**0.10**	**0.11**	**0.09**	**0.09**	**0.08**	**0.08**	**0.07**	**0.07**
Fuel combustion - Natural gas	*0.13*	*0.10*	*0.11*	*0.09*	*0.09*	*0.08*	*0.08*	*0.07*	*0.07*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.129	0.104	0.111	0.087	0.089	0.081	0.075	0.075	0.066
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pulp & Paper	**0.94**	**0.84**	**0.91**	**0.83**	**0.85**	**0.54**	**0.56**	**0.47**	**0.38**
Fuel combustion - Natural gas	*0.94*	*0.84*	*0.91*	*0.83*	*0.85*	*0.54*	*0.56*	*0.47*	*0.38*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.940	0.837	0.912	0.826	0.848	0.539	0.563	0.474	0.381
N2O	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Pulp & Paper : Fugitives	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fugitive emissions	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.003
Stone, Clay, Glass & Cement	**0.74**	**0.66**	**0.80**	**0.66**	**0.67**	**0.74**	**0.78**	**0.67**	**0.50**
Fuel combustion - Natural gas	*0.74*	*0.66*	*0.80*	*0.66*	*0.67*	*0.74*	*0.78*	*0.67*	*0.50*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.736	0.662	0.798	0.655	0.670	0.739	0.775	0.673	0.499
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Stone, Clay, Glass & Cement : Cement	**9.41**	**9.51**	**9.61**	**9.72**	**9.82**	**9.92**	**9.75**	**9.17**	**8.61**
Clinker production	*5.43*	*5.52*	*5.60*	*5.68*	*5.77*	*5.85*	*5.80*	*5.55*	*5.31*
CO2	5.433	5.517	5.601	5.684	5.768	5.852	5.797	5.551	5.305
Fuel combustion - Biomass waste fuel	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Coal	*3.11*	*3.09*	*3.07*	*3.05*	*3.04*	*3.02*	*2.85*	*2.59*	*2.29*
CH4	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.005
CO2	3.086	3.068	3.050	3.032	3.013	2.995	2.827	2.567	2.269
N2O	0.015	0.015	0.015	0.015	0.015	0.015	0.014	0.013	0.011
Fuel combustion - Distillate	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.005	0.004	0.003	0.002	0.002	0.001	0.001	0.001	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*0.13*	*0.14*	*0.15*	*0.16*	*0.17*	*0.18*	*0.15*	*0.13*	*0.11*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.130	0.144	0.150	0.160	0.168	0.176	0.151	0.132	0.113
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Petroleum coke	*0.57*	*0.58*	*0.59*	*0.60*	*0.61*	*0.62*	*0.73*	*0.70*	*0.75*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.569	0.579	0.588	0.598	0.607	0.617	0.728	0.701	0.750
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Fuel combustion - Residual fuel oil	*0.07*	*0.07*	*0.07*	*0.08*	*0.08*	*0.08*	*0.06*	*0.03*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.066	0.069	0.072	0.075	0.078	0.081	0.058	0.030	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Tires	*0.09*	*0.11*	*0.13*	*0.14*	*0.16*	*0.18*	*0.16*	*0.17*	*0.15*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.091	0.108	0.125	0.142	0.159	0.175	0.161	0.169	0.151
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Stone, Clay, Glass & Cement : Flat Glass	**0.16**	**0.09**	**0.12**	**0.10**	**0.04**	**0.01**	**0.11**	**0.09**	**0.11**
Fuel combustion - Natural gas	*0.16*	*0.09*	*0.12*	*0.10*	*0.04*	*0.01*	*0.11*	*0.09*	*0.11*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.162	0.088	0.120	0.098	0.040	0.007	0.112	0.087	0.108
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Stone, Clay, Glass & Cement : Fugitives	**0.01**	**0.01**	**0.00**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Fugitive emissions	*0.01*	*0.01*	*0.00*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.009	0.006	0.005	0.005	0.007	0.007	0.006	0.006	0.006
Stone, Clay, Glass & Cement : Glass Containers	**0.59**	**0.55**	**0.59**	**0.52**	**0.53**	**0.52**	**0.50**	**0.44**	**0.32**
Fuel combustion - Natural gas	*0.59*	*0.55*	*0.59*	*0.52*	*0.53*	*0.52*	*0.50*	*0.44*	*0.32*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.592	0.547	0.585	0.520	0.526	0.524	0.501	0.440	0.319
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Stone, Clay, Glass & Cement : Lime	**0.07**	**0.07**	**0.06**	**0.06**	**0.08**	**0.07**	**0.07**	**0.05**	**0.04**
Lime production	*0.07*	*0.07*	*0.06*	*0.06*	*0.08*	*0.07*	*0.07*	*0.05*	*0.04*
CO2	0.072	0.068	0.059	0.058	0.076	0.072	0.066	0.055	0.044
Storage Tanks : Fugitives	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fugitive emissions	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Textiles : Apparel	**0.03**	**0.03**	**0.03**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.01**
Fuel combustion - Natural gas	*0.03*	*0.03*	*0.03*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.026	0.025	0.028	0.016	0.020	0.021	0.022	0.020	0.014
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Textiles : Leather	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fuel combustion - Natural gas	*0.00*	*0.01*	*0.00*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.004	0.008	0.004	0.006	0.003	0.004	0.002	0.002	0.002
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Textiles : Textile Mills	**0.54**	**0.50**	**0.57**	**0.43**	**0.42**	**0.41**	**0.37**	**0.33**	**0.29**
Fuel combustion - Natural gas	*0.54*	*0.50*	*0.57*	*0.43*	*0.42*	*0.41*	*0.37*	*0.33*	*0.29*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.542	0.502	0.570	0.425	0.418	0.409	0.367	0.327	0.289
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Tobacco	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fuel combustion - Natural gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Equip.	**0.46**	**0.48**	**0.53**	**0.31**	**0.27**	**0.27**	**0.26**	**0.28**	**0.29**
Fuel combustion - Natural gas	*0.46*	*0.48*	*0.53*	*0.31*	*0.27*	*0.27*	*0.26*	*0.28*	*0.29*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.463	0.482	0.533	0.314	0.268	0.268	0.262	0.276	0.294
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Wastewater Treatment : Fugitives	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fugitive emissions	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Wood & Furniture : Furniture & Fixtures	**0.06**	**0.05**	**0.06**	**0.04**	**0.04**	**0.04**	**0.04**	**0.03**	**0.03**
Fuel combustion - Natural gas	*0.06*	*0.05*	*0.06*	*0.04*	*0.04*	*0.04*	*0.04*	*0.03*	*0.03*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.060	0.053	0.056	0.042	0.043	0.041	0.039	0.034	0.027
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Wood & Furniture : Lumber & Wood Products	**0.34**	**0.26**	**0.14**	**0.11**	**0.07**	**0.07**	**0.07**	**0.05**	**0.04**
Fuel combustion - Natural gas	*0.34*	*0.26*	*0.14*	*0.11*	*0.07*	*0.07*	*0.07*	*0.05*	*0.04*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.344	0.255	0.139	0.115	0.069	0.066	0.067	0.049	0.044
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining	***0.87***	***0.31***	***0.32***	***0.34***	***0.36***	***0.34***	***0.11***	***0.16***	***0.19***
Coal	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fuel combustion - Natural gas	*0.00*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.006	0.003	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Metals	**0.54**	**0.28**	**0.28**	**0.26**	**0.27**	**0.26**	**0.02**	**0.01**	**0.00**
Fuel combustion - Natural gas	*0.54*	*0.28*	*0.28*	*0.26*	*0.27*	*0.26*	*0.02*	*0.01*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.541	0.275	0.277	0.264	0.271	0.255	0.015	0.015	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Non Metals	**0.33**	**0.03**	**0.04**	**0.07**	**0.09**	**0.08**	**0.09**	**0.15**	**0.19**
Fuel combustion - Natural gas	*0.33*	*0.03*	*0.04*	*0.07*	*0.09*	*0.08*	*0.09*	*0.15*	*0.19*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.330	0.031	0.036	0.071	0.091	0.084	0.094	0.149	0.185
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Not Specified Industrial	***1.81***	***1.79***	***2.00***	***1.73***	***1.94***	***2.10***	***2.20***	***2.21***	***2.24***
Not Specified	**1.67**	**1.65**	**1.70**	**1.59**	**1.61**	**1.62**	**1.71**	**1.74**	**1.78**
CO2 consumption	*0.17*	*0.10*	*0.12*	*0.16*	*0.15*	*0.16*	*0.21*	*0.24*	*0.26*
CO2	0.168	0.097	0.122	0.160	0.148	0.161	0.211	0.236	0.261
Fuel combustion - Other petroleum products	*0.07*	*0.21*	*0.23*	*0.21*	*0.19*	*0.19*	*0.23*	*0.22*	*0.24*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.073	0.209	0.225	0.211	0.190	0.189	0.228	0.224	0.238
N2O	0.000	0.001	0.001	0.001	0.000	0.000	0.001	0.001	0.001
Fuel combustion - Wood (wet)	*0.07*	*0.08*	*0.05*	*0.05*	*0.05*	*0.06*	*0.06*	*0.06*	*0.06*
CH4	0.025	0.028	0.017	0.017	0.017	0.019	0.019	0.020	0.020
N2O	0.049	0.055	0.034	0.033	0.033	0.037	0.038	0.038	0.039
Fuel consumption - Lubricants	*0.90*	*0.82*	*0.81*	*0.75*	*0.76*	*0.76*	*0.74*	*0.76*	*0.79*
CO2	0.898	0.823	0.813	0.752	0.762	0.758	0.738	0.762	0.786
Limestone and dolomite consumption	*0.13*	*0.12*	*0.17*	*0.11*	*0.14*	*0.12*	*0.17*	*0.15*	*0.13*
CO2	0.132	0.120	0.174	0.106	0.141	0.125	0.165	0.147	0.129
Soda ash consumption	*0.32*	*0.32*	*0.32*	*0.31*	*0.32*	*0.33*	*0.31*	*0.31*	*0.31*
CO2	0.320	0.316	0.316	0.310	0.323	0.328	0.315	0.311	0.308
Not Specified : Fugitives	**0.14**	**0.14**	**0.30**	**0.14**	**0.32**	**0.48**	**0.48**	**0.47**	**0.45**
Fugitive emissions	*0.14*	*0.14*	*0.30*	*0.14*	*0.32*	*0.48*	*0.48*	*0.47*	*0.45*
CH4	0.141	0.141	0.297	0.141	0.324	0.480	0.481	0.468	0.455
Oil & Gas Extraction	***18.41***	***18.45***	***17.37***	***19.51***	***19.31***	***18.01***	***16.48***	***16.52***	***17.04***
Not Specified	**17.72**	**17.62**	**16.64**	**18.78**	**18.94**	**17.66**	**15.72**	**15.75**	**16.27**
Fuel combustion - Associated gas	*3.16*	*2.68*	*3.53*	*3.84*	*3.76*	*3.49*	*3.10*	*3.10*	*3.52*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	3.158	2.679	3.523	3.832	3.755	3.489	3.094	3.095	3.517
N2O	0.002	0.001	0.002	0.002	0.002	0.002	0.001	0.001	0.002
Fuel combustion - Distillate	*0.06*	*0.08*	*0.11*	*0.10*	*0.12*	*0.11*	*0.09*	*0.12*	*0.12*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.061	0.081	0.105	0.102	0.117	0.106	0.090	0.123	0.122
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*14.50*	*14.68*	*12.94*	*14.83*	*15.06*	*14.07*	*12.53*	*12.52*	*12.47*
CH4	0.006	0.006	0.005	0.006	0.006	0.006	0.005	0.005	0.005
CO2	14.485	14.668	12.930	14.815	15.050	14.052	12.518	12.512	12.459
N2O	0.008	0.009	0.007	0.009	0.009	0.008	0.007	0.007	0.007
Fuel combustion - Residual fuel oil	*0.00*	*0.18*	*0.07*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.16*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.175	0.068	0.008	0.000	0.000	0.000	0.000	0.155
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Petroleum Gas Seeps : Fugitives	**0.35**	**0.45**	**0.46**	**0.46**	**0.08**	**0.08**	**0.49**	**0.49**	**0.49**
Fugitive emissions	*0.35*	*0.45*	*0.46*	*0.46*	*0.08*	*0.08*	*0.49*	*0.49*	*0.49*
CH4	0.347	0.454	0.464	0.464	0.082	0.082	0.493	0.493	0.493
Process Losses : Fugitives	**0.24**	**0.22**	**0.18**	**0.20**	**0.18**	**0.18**	**0.18**	**0.18**	**0.18**
Fugitive emissions	*0.24*	*0.22*	*0.18*	*0.20*	*0.18*	*0.18*	*0.18*	*0.18*	*0.18*
CH4	0.245	0.220	0.183	0.198	0.181	0.181	0.175	0.177	0.178
Storage Tanks : Fugitives	**0.10**	**0.16**	**0.09**	**0.08**	**0.10**	**0.09**	**0.10**	**0.10**	**0.10**
Fugitive emissions	*0.10*	*0.16*	*0.09*	*0.08*	*0.10*	*0.09*	*0.10*	*0.10*	*0.10*
CH4	0.096	0.159	0.085	0.077	0.104	0.088	0.099	0.101	0.104
Wastewater Treatment : Fugitives	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fugitive emissions	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Marketing	***0.01***	***0.01***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***
Process Losses : Fugitives	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fugitive emissions	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.002	0.003	0.000	0.000	0.000	0.003	0.003	0.003	0.003
Storage Tanks : Fugitives	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fugitive emissions	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.006	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Wastewater Treatment : Fugitives	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fugitive emissions	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Refining	***33.19***	***33.02***	***33.81***	***34.74***	***34.00***	***35.24***	***36.03***	***36.01***	***35.60***
Not Specified	**26.91**	**27.01**	**27.73**	**28.70**	**28.00**	**29.19**	**29.76**	**29.60**	**29.19**
Fuel combustion - Catalyst coke	*4.74*	*4.72*	*4.77*	*4.95*	*5.03*	*5.04*	*5.05*	*4.68*	*4.21*
CH4	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.003	0.003
CO2	4.727	4.711	4.761	4.940	5.019	5.023	5.035	4.669	4.201
N2O	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.010	0.009
Fuel combustion - Distillate	*0.00*	*0.02*	*0.00*	*0.00*	*0.00*	*0.07*	*0.03*	*0.03*	*0.05*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.001	0.017	0.001	0.002	0.002	0.066	0.033	0.027	0.051
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - LPG	*0.50*	*0.69*	*0.28*	*0.52*	*0.40*	*0.42*	*0.25*	*0.24*	*0.25*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.504	0.687	0.275	0.515	0.395	0.415	0.247	0.236	0.245
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*6.20*	*5.59*	*6.53*	*6.79*	*6.90*	*7.11*	*7.01*	*7.38*	*7.63*
CH4	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003
CO2	6.198	5.584	6.526	6.783	6.893	7.101	6.999	7.375	7.624

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
N2O	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Fuel combustion - Petroleum coke	*0.40*	*0.40*	*0.39*	*0.42*	*0.43*	*0.84*	*2.08*	*2.19*	*2.31*
CH4	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001
CO2	0.399	0.400	0.389	0.418	0.424	0.840	2.077	2.181	2.309
N2O	0.001	0.001	0.001	0.001	0.001	0.002	0.004	0.004	0.004
Fuel combustion - Refinery gas	*15.06*	*15.59*	*15.76*	*16.02*	*15.24*	*15.72*	*15.34*	*15.09*	*14.73*
CH4	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
CO2	15.049	15.574	15.742	16.002	15.230	15.704	15.330	15.074	14.722
N2O	0.007	0.008	0.008	0.008	0.007	0.008	0.007	0.007	0.007
Fuel combustion - Residual fuel oil	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Process Losses : Fugitives	**0.04**	**0.02**	**0.02**	**0.01**	**0.01**	**0.02**	**0.02**	**0.02**	**0.02**
Fugitive emissions	*0.04*	*0.02*	*0.02*	*0.01*	*0.01*	*0.02*	*0.02*	*0.02*	*0.02*
CH4	0.038	0.017	0.016	0.013	0.010	0.017	0.017	0.017	0.017
Storage Tanks : Fugitives	**0.02**	**0.01**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fugitive emissions	*0.02*	*0.01*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.015	0.008	0.013	0.005	0.002	0.003	0.003	0.003	0.003
Transformation	**6.23**	**5.99**	**6.05**	**6.03**	**5.99**	**6.04**	**6.25**	**6.39**	**6.39**
Fuel consumption - Naphtha	*0.17*	*0.40*	*0.40*	*0.23*	*0.23*	*0.23*	*0.69*	*0.69*	*0.69*
CO2	0.173	0.403	0.403	0.227	0.227	0.227	0.694	0.694	0.694
Fuel consumption - Natural gas	*1.93*	*1.47*	*1.22*	*1.47*	*2.23*	*1.84*	*2.08*	*2.03*	*1.94*
CO2	1.930	1.465	1.223	1.466	2.230	1.837	2.083	2.033	1.943
Fuel consumption - Refinery gas	*4.12*	*4.12*	*4.43*	*4.33*	*3.54*	*3.98*	*3.47*	*3.66*	*3.75*
CO2	4.124	4.118	4.427	4.333	3.537	3.976	3.474	3.660	3.749
Pipelines	***2.33***	***2.14***	***2.29***	***1.84***	***2.11***	***2.39***	***2.33***	***2.48***	***2.62***
Natural Gas : Fugitives	**1.76**	**1.48**	**1.70**	**1.32**	**1.35**	**1.74**	**1.90**	**1.92**	**1.94**
Fugitive emissions	*1.76*	*1.48*	*1.70*	*1.32*	*1.35*	*1.74*	*1.90*	*1.92*	*1.94*
CH4	1.758	1.476	1.699	1.323	1.349	1.737	1.903	1.923	1.944
Natural Gas Pipelines	**0.50**	**0.59**	**0.51**	**0.47**	**0.70**	**0.58**	**0.38**	**0.48**	**0.59**
Fuel combustion - Natural gas	*0.50*	*0.59*	*0.51*	*0.47*	*0.70*	*0.58*	*0.38*	*0.48*	*0.59*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.501	0.586	0.512	0.468	0.697	0.580	0.375	0.481	0.588
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Non Natural Gas Pipelines	**0.07**	**0.08**	**0.08**	**0.04**	**0.06**	**0.07**	**0.06**	**0.08**	**0.09**
Fuel combustion - Natural gas	*0.07*	*0.08*	*0.08*	*0.04*	*0.06*	*0.07*	*0.06*	*0.08*	*0.09*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.067	0.078	0.083	0.045	0.063	0.072	0.056	0.078	0.089

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Wastewater Treatment	***2.61***	***2.60***	***2.61***	***2.62***	***2.66***	***2.67***	***2.69***	***2.70***	***2.70***
Domestic Wastewater : Anaerobic Digesters	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**
Biogas production	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
CH4	0.020	0.020	0.020	0.020	0.020	0.020	0.021	0.021	0.021
Domestic Wastewater : Centralized Aerobic	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
California population	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Wastewater : Centralized Anaerobic	**0.48**	**0.47**	**0.46**	**0.45**	**0.43**	**0.42**	**0.41**	**0.39**	**0.38**
California population	*0.48*	*0.47*	*0.46*	*0.45*	*0.43*	*0.42*	*0.41*	*0.39*	*0.38*
CH4	0.480	0.469	0.459	0.447	0.435	0.421	0.406	0.393	0.380
Domestic Wastewater : Effluent Emissions	**0.65**	**0.68**	**0.67**	**0.68**	**0.70**	**0.72**	**0.73**	**0.74**	**0.75**
California population	*0.65*	*0.68*	*0.67*	*0.68*	*0.70*	*0.72*	*0.73*	*0.74*	*0.75*
N2O	0.653	0.675	0.669	0.681	0.699	0.720	0.728	0.738	0.748
Domestic Wastewater : Plant Emissions	**0.04**	**0.04**	**0.04**	**0.04**	**0.04**	**0.04**	**0.04**	**0.04**	**0.04**
California population	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
N2O	0.038	0.039	0.040	0.040	0.041	0.041	0.042	0.042	0.043
Domestic Wastewater : Septic Systems	**0.70**	**0.71**	**0.73**	**0.74**	**0.75**	**0.76**	**0.77**	**0.78**	**0.78**
California population	*0.70*	*0.71*	*0.73*	*0.74*	*0.75*	*0.76*	*0.77*	*0.78*	*0.78*
CH4	0.701	0.713	0.726	0.738	0.750	0.760	0.768	0.776	0.784
Industrial Wastewater	**0.72**	**0.68**	**0.70**	**0.70**	**0.72**	**0.71**	**0.73**	**0.73**	**0.73**
Production processed - Apples	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Production processed - Citrus fruit	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002
Production processed - Non-citrus fruit	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
CH4	0.035	0.031	0.034	0.032	0.031	0.032	0.029	0.032	0.034
Production processed - Other vegetables	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.03*
CH4	0.022	0.021	0.022	0.023	0.023	0.023	0.024	0.025	0.026
Production processed - Potatoes	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.004	0.003	0.004	0.004	0.005	0.004	0.004	0.004	0.004
Production processed - Poultry	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
CH4	0.046	0.047	0.047	0.046	0.047	0.047	0.048	0.050	0.052
Production processed - Pulp and Paper	*0.51*	*0.49*	*0.48*	*0.49*	*0.51*	*0.49*	*0.51*	*0.51*	*0.50*
CH4	0.514	0.486	0.485	0.486	0.506	0.489	0.512	0.507	0.502
Production processed - Red meat	*0.03*	*0.03*	*0.04*	*0.04*	*0.04*	*0.04*	*0.05*	*0.05*	*0.05*
CH4	0.030	0.032	0.038	0.040	0.040	0.041	0.045	0.047	0.049
Production processed - Wine grapes	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*0.00*	*0.00*	*0.00*
CH4	0.005	0.004	0.005	0.004	0.004	0.006	0.005	0.005	0.005

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Wastewater flow - Petroleum Refining	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*
CH4	0.056	0.056	0.058	0.058	0.059	0.061	0.060	0.059	0.057
Commercial	**12.80**	**12.40**	**14.44**	**13.07**	**13.20**	**12.71**	**13.01**	**13.22**	**14.69**
CHP: Commercial	***1.11***	***1.07***	***1.08***	***0.26***	***0.49***	***0.15***	***0.17***	***0.49***	***0.37***
Useful Thermal Output	**1.11**	**1.07**	**1.08**	**0.26**	**0.49**	**0.15**	**0.17**	**0.49**	**0.37**
Fuel combustion - Crude oil	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Digester gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Distillate	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Jet fuel	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Landfill gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*1.11*	*1.07*	*1.08*	*0.26*	*0.49*	*0.15*	*0.17*	*0.48*	*0.37*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	1.108	1.072	1.075	0.263	0.485	0.148	0.172	0.480	0.372
N2O	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Propane	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Communication	***0.20***	***0.17***	***0.21***	***0.19***	***0.19***	***0.17***	***0.19***	***0.18***	***0.17***
Other Message Communications	**0.14**	**0.13**	**0.16**	**0.15**	**0.15**	**0.14**	**0.16**	**0.15**	**0.14**
Fuel combustion - Natural gas	*0.14*	*0.13*	*0.16*	*0.15*	*0.15*	*0.14*	*0.16*	*0.15*	*0.14*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.141	0.128	0.156	0.145	0.153	0.140	0.156	0.149	0.138
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Radio Broadcasting Stations	**0.01**	**0.00**	**0.00**	**0.01**	**0.01**	**0.00**	**0.01**	**0.01**	**0.01**
Fuel combustion - Natural gas	*0.01*	*0.00*	*0.00*	*0.01*	*0.01*	*0.00*	*0.01*	*0.01*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.008	0.004	0.004	0.008	0.006	0.005	0.006	0.007	0.007
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Telephone & Cell Phone Services	**0.03**	**0.03**	**0.03**	**0.02**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Fuel combustion - Natural gas	*0.03*	*0.03*	*0.03*	*0.02*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.029	0.025	0.027	0.016	0.014	0.015	0.014	0.009	0.009
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
U.S. Postal Service	**0.02**	**0.02**	**0.02**	**0.02**	**0.01**	**0.01**	**0.01**	**0.02**	**0.02**
Fuel combustion - Natural gas	*0.02*	*0.02*	*0.02*	*0.02*	*0.01*	*0.01*	*0.01*	*0.02*	*0.02*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.017	0.017	0.020	0.017	0.014	0.007	0.012	0.015	0.016
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Domestic Utilities	***0.25***	***0.18***	***0.17***	***0.37***	***0.32***	***0.23***	***0.18***	***0.19***	***0.19***
Sewerage Systems	**0.13**	**0.07**	**0.02**	**0.07**	**0.12**	**0.13**	**0.06**	**0.07**	**0.08**
Fuel combustion - Natural gas	*0.13*	*0.07*	*0.02*	*0.07*	*0.12*	*0.13*	*0.06*	*0.07*	*0.08*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.131	0.071	0.023	0.070	0.115	0.125	0.063	0.070	0.080
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water Supply	**0.12**	**0.10**	**0.15**	**0.30**	**0.21**	**0.10**	**0.12**	**0.12**	**0.11**
Fuel combustion - Natural gas	*0.12*	*0.10*	*0.15*	*0.30*	*0.21*	*0.10*	*0.12*	*0.12*	*0.11*
CH4	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000
CO2	0.121	0.104	0.145	0.298	0.208	0.103	0.121	0.116	0.109
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Education	***1.25***	***1.07***	***1.26***	***1.09***	***1.09***	***1.07***	***1.12***	***1.09***	***0.98***
College	**0.67**	**0.54**	**0.65**	**0.57**	**0.58**	**0.60**	**0.57**	**0.56**	**0.45**
Fuel combustion - Natural gas	*0.67*	*0.54*	*0.65*	*0.57*	*0.58*	*0.60*	*0.57*	*0.56*	*0.45*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.670	0.536	0.646	0.571	0.578	0.601	0.573	0.557	0.452
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
School	**0.57**	**0.53**	**0.62**	**0.52**	**0.51**	**0.47**	**0.54**	**0.54**	**0.53**
Fuel combustion - Natural gas	*0.57*	*0.53*	*0.62*	*0.52*	*0.51*	*0.47*	*0.54*	*0.54*	*0.53*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.573	0.533	0.614	0.520	0.508	0.470	0.542	0.534	0.524
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Food Services	***1.94***	***1.97***	***2.53***	***2.31***	***2.27***	***2.29***	***2.46***	***2.42***	***2.33***
Food & Liquor	**0.03**	**0.18**	**0.20**	**0.72**	**0.60**	**0.58**	**0.49**	**0.49**	**0.45**
Fuel combustion - Natural gas	*0.03*	*0.18*	*0.20*	*0.72*	*0.60*	*0.58*	*0.49*	*0.49*	*0.45*
CH4	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.026	0.178	0.202	0.714	0.603	0.580	0.486	0.484	0.449
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Restaurant	**1.91**	**1.79**	**2.33**	**1.59**	**1.67**	**1.71**	**1.97**	**1.94**	**1.88**
Fuel combustion - Natural gas	*1.91*	*1.79*	*2.33*	*1.59*	*1.67*	*1.71*	*1.97*	*1.94*	*1.88*
CH4	0.004	0.004	0.005	0.003	0.003	0.003	0.004	0.004	0.004
CO2	1.905	1.787	2.321	1.585	1.665	1.708	1.969	1.933	1.875
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Health Care	***1.41***	***1.42***	***1.69***	***1.47***	***1.43***	***1.43***	***1.52***	***1.49***	***1.50***
Not Specified	**1.41**	**1.42**	**1.69**	**1.47**	**1.43**	**1.43**	**1.52**	**1.49**	**1.50**
Fuel combustion - Natural gas	*1.41*	*1.42*	*1.69*	*1.47*	*1.43*	*1.43*	*1.52*	*1.49*	*1.50*
CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
CO2	1.410	1.414	1.682	1.470	1.429	1.425	1.515	1.482	1.499
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Hotels	***0.65***	***0.67***	***0.79***	***0.69***	***0.67***	***0.68***	***0.74***	***0.75***	***1.88***
Not Specified	**0.65**	**0.67**	**0.79**	**0.69**	**0.67**	**0.68**	**0.74**	**0.75**	**1.88**
Fuel combustion - Natural gas	*0.65*	*0.67*	*0.79*	*0.69*	*0.67*	*0.68*	*0.74*	*0.75*	*1.88*
CH4	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.004
CO2	0.645	0.664	0.791	0.689	0.673	0.680	0.743	0.747	1.880
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
National Security	***0.21***	***0.31***	***0.21***	***0.19***	***0.20***	***0.18***	***0.21***	***0.20***	***0.26***
Not Specified	**0.21**	**0.31**	**0.21**	**0.19**	**0.20**	**0.18**	**0.21**	**0.20**	**0.26**
Fuel combustion - Natural gas	*0.21*	*0.31*	*0.21*	*0.19*	*0.20*	*0.18*	*0.21*	*0.20*	*0.26*
CH4	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.001
CO2	0.206	0.307	0.211	0.191	0.197	0.184	0.208	0.196	0.258
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Commercial	***4.00***	***4.00***	***4.55***	***4.68***	***4.73***	***4.71***	***4.44***	***4.34***	***4.72***
Not Specified	**4.00**	**4.00**	**4.55**	**4.68**	**4.73**	**4.71**	**4.44**	**4.34**	**4.72**
Fuel combustion - Coal	*0.05*	*0.00*	*0.00*	*0.00*	*0.02*	*0.04*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.049	0.000	0.000	0.000	0.017	0.042	0.003	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Distillate	*0.85*	*0.81*	*0.79*	*0.77*	*0.65*	*0.88*	*0.67*	*0.75*	*1.03*
CH4	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.003
CO2	0.849	0.801	0.790	0.767	0.647	0.876	0.670	0.747	1.028
N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Fuel combustion - Ethanol	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.000	0.000	0.002	0.003	0.003	0.003	0.003	0.004
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Gasoline	*0.09*	*0.09*	*0.09*	*0.09*	*0.09*	*0.09*	*0.09*	*0.09*	*0.09*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.088	0.090	0.091	0.088	0.086	0.086	0.089	0.090	0.091
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Kerosene	*0.02*	*0.03*	*0.01*	*0.02*	*0.03*	*0.02*	*0.02*	*0.01*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.021	0.026	0.011	0.019	0.029	0.024	0.022	0.013	0.006
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - LPG	*0.39*	*0.27*	*0.31*	*0.53*	*0.75*	*0.59*	*0.44*	*0.49*	*0.63*
CH4	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.392	0.269	0.313	0.530	0.748	0.587	0.436	0.490	0.632
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*2.55*	*2.75*	*3.29*	*3.22*	*3.14*	*3.06*	*3.18*	*2.96*	*2.92*
CH4	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006
CO2	2.545	2.740	3.285	3.213	3.134	3.047	3.176	2.955	2.912
N2O	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Fuel combustion - Residual fuel oil	*0.00*	*0.02*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Wood (wet)	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.03*	*0.03*	*0.03*	*0.03*
CH4	0.039	0.039	0.040	0.042	0.041	0.026	0.024	0.026	0.027
N2O	0.008	0.008	0.008	0.008	0.008	0.005	0.005	0.005	0.005
Offices	***0.78***	***0.55***	***0.67***	***0.67***	***0.70***	***0.68***	***0.74***	***0.62***	***0.77***
Not Specified	**0.78**	**0.55**	**0.67**	**0.67**	**0.70**	**0.68**	**0.74**	**0.62**	**0.77**
Fuel combustion - Natural gas	*0.78*	*0.55*	*0.67*	*0.67*	*0.70*	*0.68*	*0.74*	*0.62*	*0.77*
CH4	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002
CO2	0.780	0.548	0.670	0.669	0.695	0.682	0.740	0.618	0.771
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Retail & Wholesale	***0.83***	***0.87***	***1.15***	***1.03***	***1.01***	***1.02***	***1.11***	***1.11***	***0.92***
Refrigerated Warehousing	**0.09**	**0.11**	**0.14**	**0.09**	**0.10**	**0.10**	**0.08**	**0.09**	**0.08**
Fuel combustion - Natural gas	*0.09*	*0.11*	*0.14*	*0.09*	*0.10*	*0.10*	*0.08*	*0.09*	*0.08*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.086	0.108	0.140	0.094	0.096	0.095	0.085	0.086	0.075
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Retail	**0.50**	**0.55**	**0.74**	**0.67**	**0.68**	**0.66**	**0.74**	**0.78**	**0.65**
Fuel combustion - Natural gas	*0.50*	*0.55*	*0.74*	*0.67*	*0.68*	*0.66*	*0.74*	*0.78*	*0.65*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001
CO2	0.503	0.544	0.742	0.670	0.674	0.660	0.740	0.781	0.644
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Warehousing	**0.24**	**0.21**	**0.27**	**0.26**	**0.24**	**0.26**	**0.28**	**0.24**	**0.20**
Fuel combustion - Natural gas	*0.24*	*0.21*	*0.27*	*0.26*	*0.24*	*0.26*	*0.28*	*0.24*	*0.20*
CH4	0.000	0.000	0.001	0.001	0.000	0.001	0.001	0.000	0.000
CO2	0.240	0.211	0.267	0.263	0.240	0.258	0.278	0.240	0.202
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation Services	***0.18***	***0.13***	***0.13***	***0.11***	***0.10***	***0.09***	***0.12***	***0.34***	***0.58***
Airports	**0.09**	**0.03**	**0.05**	**0.05**	**0.04**	**0.04**	**0.07**	**0.07**	**0.11**
Fuel combustion - Natural gas	*0.09*	*0.03*	*0.05*	*0.05*	*0.04*	*0.04*	*0.07*	*0.07*	*0.11*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.087	0.034	0.051	0.049	0.044	0.042	0.072	0.069	0.111
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transportation	**0.09**	**0.09**	**0.08**	**0.06**	**0.05**	**0.04**	**0.05**	**0.27**	**0.47**
Fuel combustion - Natural gas	*0.09*	*0.09*	*0.08*	*0.06*	*0.05*	*0.04*	*0.05*	*0.27*	*0.47*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
CO2	0.089	0.088	0.081	0.062	0.050	0.044	0.048	0.271	0.465
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water Transportation	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fuel combustion - Natural gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.003	0.003	0.002	0.002	0.002	0.002	0.003	0.004	0.005
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Residential	**30.13**	**28.62**	**29.35**	**28.31**	**29.34**	**28.08**	**28.46**	**28.61**	**28.45**
Household Use	***30.13***	***28.62***	***29.35***	***28.31***	***29.34***	***28.08***	***28.46***	***28.61***	***28.45***
Not Specified	**30.13**	**28.62**	**29.35**	**28.31**	**29.34**	**28.08**	**28.46**	**28.61**	**28.45**
Fuel combustion - Coal	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.006	0.000	0.000	0.000	0.002	0.004	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Distillate	*0.07*	*0.08*	*0.05*	*0.05*	*0.06*	*0.07*	*0.07*	*0.04*	*0.06*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.066	0.083	0.053	0.051	0.055	0.069	0.069	0.039	0.057
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Kerosene	*0.12*	*0.14*	*0.09*	*0.08*	*0.11*	*0.13*	*0.12*	*0.06*	*0.04*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
CO2	0.115	0.143	0.089	0.080	0.113	0.124	0.117	0.062	0.038
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - LPG	*1.14*	*0.78*	*0.91*	*1.30*	*1.58*	*1.79*	*1.57*	*1.66*	*2.04*
CH4	0.002	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003
CO2	1.133	0.777	0.905	1.297	1.575	1.791	1.564	1.658	2.036
N2O	0.001	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
Fuel combustion - Natural gas	*28.52*	*27.34*	*28.03*	*26.59*	*27.30*	*25.89*	*26.52*	*26.65*	*26.10*
CH4	0.055	0.054	0.054	0.053	0.054	0.051	0.053	0.053	0.052
CO2	28.448	27.274	27.956	26.521	27.227	25.826	26.456	26.579	26.031
N2O	0.016	0.016	0.016	0.016	0.016	0.015	0.016	0.016	0.015
Fuel combustion - Wood (wet)	*0.29*	*0.27*	*0.27*	*0.29*	*0.29*	*0.20*	*0.18*	*0.20*	*0.21*
CH4	0.239	0.224	0.227	0.239	0.245	0.163	0.148	0.164	0.179
N2O	0.047	0.044	0.045	0.047	0.048	0.032	0.029	0.032	0.035
Agriculture & Forestry	**25.63**	**25.56**	**28.61**	**28.68**	**29.01**	**29.18**	**30.08**	**28.45**	**28.25**
Ag Energy Use	***3.82***	***3.81***	***4.39***	***4.20***	***4.50***	***4.60***	***5.19***	***3.78***	***3.82***
Crop Production	**0.91**	**0.63**	**0.82**	**0.74**	**0.72**	**0.59**	**0.70**	**0.70**	**0.65**
Fuel combustion - Natural gas	*0.91*	*0.63*	*0.82*	*0.74*	*0.72*	*0.59*	*0.70*	*0.70*	*0.65*
CH4	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.908	0.631	0.819	0.735	0.716	0.593	0.694	0.700	0.646
N2O	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock	**0.09**	**0.08**	**0.09**	**0.08**	**0.07**	**0.07**	**0.07**	**0.08**	**0.07**
Fuel combustion - Natural gas	*0.09*	*0.08*	*0.09*	*0.08*	*0.07*	*0.07*	*0.07*	*0.08*	*0.07*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.085	0.079	0.092	0.078	0.073	0.067	0.069	0.081	0.072
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified	**2.82**	**3.10**	**3.47**	**3.38**	**3.71**	**3.94**	**4.42**	**2.99**	**3.11**
Fuel combustion - Distillate	*2.51*	*2.68*	*3.02*	*2.94*	*3.15*	*3.38*	*3.85*	*2.66*	*2.93*
CH4	0.007	0.008	0.009	0.008	0.009	0.010	0.011	0.008	0.008
CO2	2.492	2.662	3.008	2.920	3.136	3.365	3.825	2.650	2.917
N2O	0.006	0.007	0.008	0.007	0.008	0.009	0.010	0.007	0.007
Fuel combustion - Ethanol	*0.00*	*0.00*	*0.00*	*0.01*	*0.02*	*0.02*	*0.02*	*0.01*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.001	0.001	0.002	0.010	0.018	0.019	0.021	0.012	0.007
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Gasoline	*0.31*	*0.38*	*0.40*	*0.40*	*0.50*	*0.50*	*0.55*	*0.31*	*0.16*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.000
CO2	0.306	0.376	0.401	0.400	0.500	0.498	0.544	0.310	0.161
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Fuel combustion - Kerosene	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.006	0.005	0.003	0.003	0.005	0.005	0.007	0.003	0.002
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*0.00*	*0.04*	*0.04*	*0.03*	*0.03*	*0.03*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.005	0.036	0.041	0.032	0.031	0.032	0.002	0.002	0.003
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ag Residue Burning	***0.09***	***0.07***	***0.07***	***0.08***	***0.07***	***0.08***	***0.08***	***0.09***	***0.09***
Field Crops	**0.04**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.02**	**0.03**	**0.03**
Crop acreage burned - Barley	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
Crop acreage burned - Corn	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003
N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Crop acreage burned - Rice	*0.03*	*0.01*	*0.01*	*0.02*	*0.01*	*0.02*	*0.01*	*0.02*	*0.02*
CH4	0.006	0.003	0.003	0.003	0.003	0.003	0.002	0.004	0.003
N2O	0.025	0.012	0.012	0.012	0.011	0.014	0.009	0.014	0.014
Crop acreage burned - Wheat	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.004	0.004	0.004	0.005	0.004	0.004	0.003	0.004	0.005
N2O	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.004
Orchard & Vineyard	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.05**	**0.06**	**0.06**	**0.06**
Crop acreage burned - Almond	*0.03*	*0.03*	*0.03*	*0.03*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
CH4	0.010	0.010	0.010	0.010	0.010	0.011	0.012	0.012	0.013
N2O	0.024	0.024	0.024	0.024	0.025	0.028	0.030	0.030	0.032
Crop acreage burned - Walnut	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
N2O	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Ag Soil Management	***7.20***	***6.74***	***8.69***	***8.65***	***8.66***	***8.25***	***8.30***	***7.73***	***7.17***
Crop Residues : Direct	**0.38**	**0.37**	**0.40**	**0.39**	**0.40**	**0.37**	**0.37**	**0.40**	**0.42**
Nitrogen in crop residues	*0.38*	*0.37*	*0.40*	*0.39*	*0.40*	*0.37*	*0.37*	*0.40*	*0.42*
N2O	0.383	0.370	0.400	0.390	0.400	0.374	0.371	0.398	0.425
Fertilizer : Direct	**2.99**	**2.73**	**4.11**	**4.07**	**4.07**	**3.66**	**3.56**	**3.27**	**2.98**
Nitrogen applied in fertilizer - Organic fertilizers	*0.04*	*0.01*	*0.02*	*0.03*	*0.01*	*0.02*	*0.01*	*0.00*	*0.00*
N2O	0.044	0.013	0.021	0.028	0.011	0.016	0.010	0.004	0.000
Nitrogen applied in fertilizer - Synthetic fertilizers	*2.95*	*2.72*	*4.09*	*4.04*	*4.06*	*3.64*	*3.55*	*3.27*	*2.98*
N2O	2.951	2.716	4.089	4.043	4.060	3.644	3.550	3.266	2.982

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Fertilizer : Indirect	**0.98**	**0.89**	**1.34**	**1.33**	**1.32**	**1.19**	**1.16**	**1.06**	**0.97**
Nitrogen applied in fertilizer - Organic fertilizers	*0.02*	*0.01*	*0.01*	*0.01*	*0.00*	*0.01*	*0.00*	*0.00*	*0.00*
N2O	0.019	0.006	0.009	0.012	0.005	0.007	0.004	0.002	0.000
Nitrogen applied in fertilizer - Synthetic fertilizers	*0.96*	*0.88*	*1.33*	*1.31*	*1.32*	*1.18*	*1.15*	*1.06*	*0.97*
N2O	0.959	0.883	1.329	1.314	1.320	1.184	1.154	1.061	0.969
Liming	**0.27**	**0.16**	**0.23**	**0.24**	**0.24**	**0.30**	**0.48**	**0.26**	**0.03**
Dolomite applied to soils	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*0.01*	*0.00*	*0.00*	*0.00*
CO2	0.003	0.001	0.002	0.002	0.008	0.007	0.002	0.001	0.000
Limestone applied to soils	*0.26*	*0.16*	*0.23*	*0.24*	*0.23*	*0.29*	*0.48*	*0.26*	*0.03*
CO2	0.263	0.161	0.231	0.236	0.227	0.291	0.483	0.255	0.028
Manure : Direct	**1.98**	**1.98**	**2.00**	**2.01**	**2.01**	**2.08**	**2.08**	**2.09**	**2.11**
Nitrogen in managed manure	*0.70*	*0.73*	*0.75*	*0.76*	*0.76*	*0.78*	*0.80*	*0.80*	*0.80*
N2O	0.701	0.727	0.753	0.763	0.756	0.776	0.796	0.798	0.800
Nitrogen in unmanaged manure - Cattle, swine, poultry	*1.16*	*1.13*	*1.12*	*1.10*	*1.09*	*1.12*	*1.09*	*1.11*	*1.13*
N2O	1.157	1.133	1.116	1.096	1.089	1.123	1.093	1.110	1.126
Nitrogen in unmanaged manure - Sheep, goat, horse	*0.12*	*0.13*	*0.13*	*0.15*	*0.16*	*0.18*	*0.19*	*0.19*	*0.18*
N2O	0.122	0.125	0.132	0.148	0.163	0.183	0.187	0.186	0.184
Manure : Indirect	**0.60**	**0.60**	**0.61**	**0.62**	**0.62**	**0.65**	**0.65**	**0.65**	**0.66**
Nitrogen in managed manure	*0.30*	*0.31*	*0.32*	*0.32*	*0.32*	*0.33*	*0.34*	*0.34*	*0.34*
N2O	0.298	0.309	0.320	0.324	0.321	0.330	0.338	0.339	0.340
Nitrogen in unmanaged manure - Cattle, swine, poultry	*0.25*	*0.24*	*0.24*	*0.23*	*0.23*	*0.24*	*0.23*	*0.24*	*0.24*
N2O	0.246	0.241	0.237	0.233	0.232	0.239	0.232	0.236	0.239
Nitrogen in unmanaged manure - Sheep, goat, horse	*0.05*	*0.05*	*0.06*	*0.06*	*0.07*	*0.08*	*0.08*	*0.08*	*0.08*
N2O	0.052	0.053	0.056	0.063	0.069	0.078	0.080	0.079	0.078
Enteric Fermentation	***7.49***	***7.64***	***7.86***	***7.97***	***7.97***	***8.26***	***8.33***	***8.52***	***8.70***
Cattle	**7.19**	**7.33**	**7.54**	**7.63**	**7.61**	**7.86**	**7.93**	**8.12**	**8.32**
Livestock population - Beef cows	*1.49*	*1.47*	*1.44*	*1.42*	*1.40*	*1.40*	*1.33*	*1.37*	*1.42*
CH4	1.494	1.475	1.440	1.424	1.396	1.398	1.329	1.373	1.417
Livestock population - Beef replacements 0-12 months	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
CH4	0.040	0.039	0.038	0.037	0.037	0.038	0.035	0.036	0.037
Livestock population - Beef replacements 12-24 months	*0.11*	*0.11*	*0.10*	*0.10*	*0.10*	*0.10*	*0.10*	*0.10*	*0.11*
CH4	0.111	0.107	0.104	0.102	0.100	0.104	0.097	0.101	0.105
Livestock population - Bulls	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.08*	*0.08*	*0.08*	*0.07*
CH4	0.075	0.075	0.070	0.070	0.070	0.076	0.080	0.076	0.071
Livestock population - Dairy cows	*3.73*	*3.88*	*4.07*	*4.16*	*4.25*	*4.38*	*4.51*	*4.64*	*4.77*
CH4	3.731	3.877	4.068	4.160	4.252	4.384	4.510	4.639	4.768
Livestock population - Dairy replacements 0-12 months	*0.21*	*0.21*	*0.22*	*0.22*	*0.21*	*0.22*	*0.23*	*0.23*	*0.23*
CH4	0.207	0.213	0.221	0.220	0.211	0.221	0.226	0.230	0.234
Livestock population - Dairy replacements 12-24 months	*0.73*	*0.76*	*0.78*	*0.80*	*0.74*	*0.78*	*0.80*	*0.81*	*0.81*
CH4	0.734	0.762	0.783	0.800	0.744	0.775	0.803	0.806	0.809

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Livestock population - Heifer feedlot	*0.10*	*0.10*	*0.11*	*0.12*	*0.11*	*0.12*	*0.12*	*0.12*	*0.12*
CH4	0.097	0.099	0.108	0.118	0.111	0.118	0.124	0.122	0.121
Livestock population - Heifer stockers	*0.12*	*0.11*	*0.11*	*0.11*	*0.11*	*0.13*	*0.12*	*0.11*	*0.10*
CH4	0.116	0.113	0.114	0.110	0.108	0.126	0.120	0.112	0.104
Livestock population - Steer feedlot	*0.17*	*0.17*	*0.19*	*0.21*	*0.19*	*0.21*	*0.22*	*0.22*	*0.22*
CH4	0.167	0.168	0.188	0.208	0.193	0.205	0.220	0.219	0.219
Livestock population - Steer stockers	*0.42*	*0.40*	*0.41*	*0.38*	*0.39*	*0.41*	*0.39*	*0.41*	*0.43*
CH4	0.419	0.404	0.410	0.378	0.389	0.413	0.387	0.409	0.431
Other Livestock	**0.30**	**0.31**	**0.31**	**0.34**	**0.36**	**0.40**	**0.40**	**0.39**	**0.39**
Livestock population - Goats	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.02*
CH4	0.009	0.010	0.011	0.011	0.011	0.011	0.012	0.014	0.015
Livestock population - Horses	*0.15*	*0.16*	*0.17*	*0.20*	*0.23*	*0.26*	*0.27*	*0.27*	*0.27*
CH4	0.150	0.158	0.172	0.201	0.230	0.264	0.273	0.273	0.273
Livestock population - Sheep	*0.14*	*0.14*	*0.13*	*0.12*	*0.11*	*0.12*	*0.11*	*0.10*	*0.10*
CH4	0.136	0.135	0.127	0.123	0.113	0.116	0.109	0.102	0.096
Livestock population - Swine	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*
CH4	0.005	0.003	0.005	0.004	0.004	0.005	0.005	0.005	0.005
Forest and Range Management	***0.19***	***0.19***	***0.19***	***0.19***	***0.19***	***0.19***	***0.19***	***0.19***	***0.19***
Not Specified	**0.19**	**0.19**	**0.19**	**0.19**	**0.19**	**0.19**	**0.19**	**0.19**	**0.19**
Fire - Forest	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
N2O	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
Fire - Rangeland	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Fire and other disturbances - Forest	*0.15*	*0.15*	*0.15*	*0.15*	*0.15*	*0.15*	*0.15*	*0.15*	*0.15*
CH4	0.152	0.152	0.152	0.152	0.152	0.152	0.151	0.151	0.151
Fire and other disturbances - Rangeland	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
CH4	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
Histosol Cultivation	***0.16***	***0.16***	***0.16***	***0.16***	***0.16***	***0.16***	***0.16***	***0.16***	***0.16***
Not Specified : Direct	**0.16**	**0.16**	**0.16**	**0.16**	**0.16**	**0.16**	**0.16**	**0.16**	**0.16**
Drained histosols	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*	*0.16*
N2O	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155
Manure Management	***6.12***	***6.47***	***6.70***	***6.91***	***6.84***	***7.10***	***7.30***	***7.44***	***7.58***
Cattle : Anaerobic digester	**0.00**	**0.00**	**0.00**	**0.01**	**0.01**	**0.04**	**0.03**	**0.04**	**0.05**
Livestock population - Dairy cows	*0.00*	*0.00*	*0.00*	*0.01*	*0.01*	*0.04*	*0.03*	*0.04*	*0.05*
CH4	0.001	0.002	0.003	0.011	0.011	0.033	0.024	0.033	0.042
N2O	0.000	0.001	0.002	0.003	0.003	0.005	0.003	0.004	0.005
Cattle : Anaerobic lagoon	**4.20**	**4.48**	**4.68**	**4.83**	**4.80**	**4.99**	**5.08**	**5.19**	**5.30**
Livestock population - Dairy cows	*4.20*	*4.48*	*4.68*	*4.83*	*4.80*	*4.99*	*5.08*	*5.19*	*5.30*
CH4	4.027	4.296	4.486	4.629	4.600	4.781	4.870	4.980	5.090

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
N2O	0.178	0.185	0.194	0.198	0.202	0.204	0.209	0.210	0.210
Cattle : Daily spread	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Livestock population - Dairy cows	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.007
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Dairy heifers	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cattle : Deep pit	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Livestock population - Dairy cows	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.008	0.008	0.008	0.009	0.008	0.009	0.009	0.009	0.010
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cattle : Dry lot	**0.59**	**0.62**	**0.64**	**0.65**	**0.63**	**0.66**	**0.68**	**0.68**	**0.68**
Livestock population - Dairy heifers	*0.37*	*0.38*	*0.40*	*0.40*	*0.38*	*0.39*	*0.40*	*0.41*	*0.41*
CH4	0.028	0.029	0.030	0.030	0.028	0.029	0.030	0.030	0.031
N2O	0.347	0.355	0.369	0.372	0.347	0.362	0.374	0.378	0.381
Livestock population - Feedlot - heifers 500+ lbs	*0.04*	*0.05*	*0.05*	*0.05*	*0.05*	*0.06*	*0.06*	*0.06*	*0.05*
CH4	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.003
N2O	0.040	0.045	0.047	0.050	0.048	0.053	0.056	0.051	0.047
Livestock population - Feedlot - steers 500+ lbs	*0.17*	*0.19*	*0.20*	*0.20*	*0.20*	*0.21*	*0.22*	*0.22*	*0.22*
CH4	0.011	0.012	0.012	0.012	0.013	0.013	0.014	0.014	0.014
N2O	0.157	0.174	0.183	0.188	0.191	0.200	0.207	0.208	0.209
Cattle : Liquid/slurry	**0.80**	**0.85**	**0.84**	**0.89**	**0.87**	**0.87**	**0.97**	**0.98**	**0.99**
Livestock population - Dairy cows	*0.79*	*0.84*	*0.82*	*0.88*	*0.86*	*0.86*	*0.95*	*0.97*	*0.98*
CH4	0.677	0.720	0.707	0.757	0.736	0.737	0.821	0.834	0.846
N2O	0.113	0.115	0.117	0.119	0.122	0.123	0.132	0.132	0.132
Livestock population - Dairy heifers	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.006	0.007	0.007	0.007	0.006	0.006	0.007	0.007	0.007
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Livestock population - Feedlot - heifers 500+ lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Feedlot - steers 500+ lbs	*0.00*	*0.00*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.004	0.004	0.004	0.005	0.004	0.005	0.005	0.005	0.005
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cattle : Pasture	**0.08**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**	**0.07**
Livestock population - Dairy cows	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Livestock population - Dairy heifers	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Not on feed - beef cows	*0.04*	*0.04*	*0.04*	*0.04*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
CH4	0.038	0.038	0.037	0.036	0.035	0.034	0.032	0.033	0.034
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Not on feed - bulls 500+ lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Not on feed - calves <500 lbs	*0.01*	*0.01*	*0.01*	*0.02*	*0.01*	*0.02*	*0.02*	*0.02*	*0.02*
CH4	0.014	0.015	0.015	0.015	0.015	0.016	0.017	0.017	0.016
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Not on feed - heifers 500+ lbs	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.009	0.008	0.008	0.007	0.007	0.008	0.007	0.007	0.007
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Not on feed - steers 500+ lbs	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.010	0.008	0.008	0.007	0.007	0.008	0.006	0.007	0.007
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cattle : Solid storage	**0.08**	**0.09**	**0.09**	**0.10**	**0.10**	**0.10**	**0.10**	**0.10**	**0.11**
Livestock population - Dairy cows	*0.08*	*0.09*	*0.09*	*0.10*	*0.10*	*0.10*	*0.10*	*0.10*	*0.11*
CH4	0.035	0.036	0.038	0.039	0.040	0.041	0.043	0.044	0.045
N2O	0.050	0.052	0.055	0.056	0.057	0.059	0.060	0.060	0.061
Other Livestock : Dry lot	**0.05**	**0.06**	**0.06**	**0.06**	**0.06**	**0.06**	**0.07**	**0.06**	**0.06**
Livestock population - Goats	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Livestock population - Horses	*0.02*	*0.02*	*0.02*	*0.03*	*0.03*	*0.04*	*0.04*	*0.04*	*0.04*
CH4	0.004	0.004	0.004	0.005	0.005	0.006	0.007	0.007	0.007
N2O	0.017	0.018	0.020	0.023	0.026	0.030	0.031	0.031	0.031
Livestock population - Sheep	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.02*
CH4	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003
N2O	0.026	0.029	0.027	0.026	0.024	0.024	0.023	0.022	0.021
Other Livestock : Pasture	**0.05**	**0.05**	**0.06**	**0.06**	**0.07**	**0.08**	**0.08**	**0.08**	**0.08**
Livestock population - Goats	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Horses	*0.04*	*0.04*	*0.05*	*0.06*	*0.06*	*0.07*	*0.08*	*0.08*	*0.08*
CH4	0.041	0.043	0.047	0.055	0.063	0.073	0.075	0.075	0.075
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Livestock population - Sheep	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.010	0.009	0.009	0.008	0.008	0.008	0.007	0.007	0.006
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Poultry : Anaerobic lagoon	**0.10**	**0.10**	**0.10**	**0.09**	**0.08**	**0.08**	**0.08**	**0.08**	**0.08**
Livestock population - Hens 1+ yr	*0.08*	*0.08*	*0.08*	*0.07*	*0.06*	*0.07*	*0.07*	*0.07*	*0.07*
CH4	0.078	0.079	0.075	0.069	0.062	0.064	0.063	0.063	0.063
N2O	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Livestock population - Other chickens	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Pullets	*0.02*	*0.02*	*0.02*	*0.02*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.018	0.016	0.016	0.016	0.013	0.013	0.010	0.012	0.013
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.001
Poultry : Pasture	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Livestock population - Broilers	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Turkeys	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Poultry : Poultry with bedding	**0.05**	**0.05**	**0.05**	**0.05**	**0.04**	**0.04**	**0.04**	**0.04**	**0.04**
Livestock population - Broilers	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.01*
CH4	0.006	0.006	0.007	0.006	0.006	0.006	0.006	0.006	0.005
N2O	0.011	0.011	0.012	0.011	0.011	0.010	0.011	0.010	0.008
Livestock population - Turkeys	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.02*	*0.03*	*0.03*	*0.03*
CH4	0.011	0.011	0.011	0.010	0.009	0.009	0.009	0.010	0.010
N2O	0.019	0.020	0.019	0.018	0.017	0.015	0.017	0.017	0.017
Poultry : Poultry without bedding	**0.04**	**0.04**	**0.04**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**
Livestock population - Hens 1+ yr	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
CH4	0.012	0.011	0.011	0.010	0.009	0.009	0.009	0.009	0.009
N2O	0.021	0.021	0.020	0.018	0.017	0.017	0.017	0.017	0.017
Livestock population - Other chickens	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Pullets	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.00*	*0.00*	*0.01*
CH4	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
N2O	0.005	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Swine : Anaerobic digester	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Livestock population - Swine - breeding	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market <60 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 120-179 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 180+ lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 60-119 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Swine : Anaerobic lagoon	**0.04**	**0.03**	**0.04**	**0.04**	**0.04**	**0.04**	**0.03**	**0.04**	**0.04**
Livestock population - Swine - breeding	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.008	0.008	0.009	0.009	0.008	0.009	0.008	0.008	0.008
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market <60 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004	0.004
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 120-179 lbs	*0.01*	*0.00*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.013	0.003	0.009	0.008	0.008	0.007	0.005	0.008	0.011
N2O	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Livestock population - Swine - market 180+ lbs	*0.00*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.004	0.008	0.011	0.011	0.012	0.010	0.009	0.010	0.011
N2O	0.000	0.000	0.001	0.000	0.001	0.000	0.000	0.000	0.001
Livestock population - Swine - market 60-119 lbs	*0.01*	*0.00*	*0.01*	*0.00*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.008	0.004	0.006	0.005	0.006	0.006	0.006	0.006	0.006
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Swine : Deep pit	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**
Livestock population - Swine - breeding	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.002	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market <60 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
Livestock population - Swine - market 120-179 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.004	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.003
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 180+ lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.001	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 60-119 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.002	0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.002
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Swine : Liquid/slurry	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Livestock population - Swine - breeding	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market <60 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 120-179 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.001	0.000	0.001	0.001	0.001	0.001	0.000	0.001	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 180+ lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 60-119 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Swine : Pasture	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Livestock population - Swine - breeding	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market <60 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 120-179 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 180+ lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 60-119 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Swine : Solid storage	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Livestock population - Swine - breeding	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market <60 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 120-179 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 180+ lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Swine - market 60-119 lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Rice Cultivation	***0.57***	***0.49***	***0.55***	***0.53***	***0.62***	***0.55***	***0.55***	***0.55***	***0.54***
Field Crops	**0.57**	**0.49**	**0.55**	**0.53**	**0.62**	**0.55**	**0.55**	**0.55**	**0.54**
Rice crop area	*0.57*	*0.49*	*0.55*	*0.53*	*0.62*	*0.55*	*0.55*	*0.55*	*0.54*
CH4	0.570	0.490	0.553	0.528	0.617	0.547	0.545	0.554	0.538
Not Specified	**8.72**	**9.46**	**10.26**	**11.05**	**11.85**	**12.53**	**13.18**	**13.60**	**14.02**
Not Specified Not Specified	***8.55***	***9.30***	***10.12***	***10.92***	***11.74***	***12.41***	***13.05***	***13.47***	***13.89***
Not Specified	**8.55**	**9.30**	**10.12**	**10.92**	**11.74**	**12.41**	**13.05**	**13.47**	**13.89**
Use of substitutes for ozone depleting substances	*8.55*	*9.30*	*10.12*	*10.92*	*11.74*	*12.41*	*13.05*	*13.47*	*13.89*
CF4	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002
HFC-125	0.630	0.727	0.833	0.962	1.114	1.277	1.529	1.829	2.129
HFC-134a	6.868	7.364	7.816	8.187	8.561	8.748	8.784	8.534	8.284
HFC-143a	0.497	0.649	0.825	1.024	1.246	1.509	1.786	2.080	2.374
HFC-23	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002
HFC-236fa	0.065	0.072	0.079	0.086	0.092	0.098	0.102	0.107	0.111
HFC-32	0.003	0.007	0.013	0.021	0.032	0.045	0.074	0.107	0.141
Other ODS substitutes	0.486	0.479	0.551	0.636	0.687	0.734	0.770	0.806	0.843
Solvents & Chemicals	***0.17***	***0.16***	***0.14***	***0.13***	***0.12***	***0.12***	***0.13***	***0.13***	***0.13***
Evaporative losses : Fugitives	**0.17**	**0.16**	**0.14**	**0.13**	**0.12**	**0.12**	**0.13**	**0.13**	**0.13**
Fugitive emissions	*0.17*	*0.16*	*0.14*	*0.13*	*0.12*	*0.12*	*0.13*	*0.13*	*0.13*
CO2	0.171	0.160	0.144	0.132	0.117	0.117	0.131	0.132	0.132

This is an archive document Current ARB Inventory available at: www.arb.ca.gov/cc/inventory/inventory.htm

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Gross emissions & sinks

Summary for Gross emissions & sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Gross California Emissions	458.03	473.23	474.15	473.15	483.88	476.73	475.31	480.85	477.74
Sinks from Forests and Rangelands	-4.72	-4.53	-4.40	-4.33	-4.32	-4.17	-4.04	-4.07	-3.98
Net California Emissions	453.31	468.69	469.75	468.82	479.56	472.56	471.27	476.77	473.76

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

Excluded Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008
Transportation	**42.90**	**38.26**	**42.40**	**35.34**	**38.80**	**42.96**	**44.08**	**47.68**	**43.20**
Aviation	***28.94***	***28.15***	***30.02***	***27.43***	***28.90***	***30.29***	***29.77***	***31.74***	***29.65***
Domestic Air transport : Interstate	**15.17**	**14.95**	**16.49**	**15.52**	**16.26**	**16.62**	**16.21**	**17.36**	**15.47**
Fuel combustion - Jet fuel	*15.17*	*14.95*	*16.49*	*15.52*	*16.26*	*16.62*	*16.21*	*17.36*	*15.47*
CH4	0.009	0.008	0.009	0.009	0.009	0.009	0.009	0.010	0.009
CO2	15.014	14.796	16.325	15.359	16.095	16.449	16.045	17.182	15.314
N2O	0.146	0.144	0.159	0.150	0.157	0.160	0.156	0.167	0.149
International Civil Aviation	**13.77**	**13.20**	**13.52**	**11.92**	**12.64**	**13.67**	**13.56**	**14.38**	**14.18**
Fuel combustion - Jet fuel	*13.77*	*13.20*	*13.52*	*11.92*	*12.64*	*13.67*	*13.56*	*14.38*	*14.18*
CH4	0.008	0.007	0.008	0.007	0.007	0.008	0.008	0.008	0.008
CO2	13.630	13.067	13.387	11.794	12.511	13.529	13.425	14.233	14.036
N2O	0.133	0.127	0.130	0.115	0.122	0.132	0.131	0.139	0.137
Water-borne	***13.96***	***10.11***	***12.38***	***7.91***	***9.90***	***12.67***	***14.31***	***15.94***	***13.55***
International Marine Bunker Fuel	**13.96**	**10.11**	**12.38**	**7.91**	**9.90**	**12.67**	**14.31**	**15.94**	**13.55**
Fuel combustion - Residual fuel oil	*13.96*	*10.11*	*12.38*	*7.91*	*9.90*	*12.67*	*14.31*	*15.94*	*13.55*
CH4	0.036	0.026	0.032	0.020	0.026	0.033	0.037	0.041	0.035
CO2	13.746	9.957	12.187	7.780	9.740	12.465	14.073	15.680	13.325
N2O	0.176	0.129	0.161	0.104	0.133	0.173	0.199	0.222	0.189
Military	**2.85**	**3.47**	**3.37**	**3.25**	**3.44**	**2.51**	**2.26**	**2.22**	**2.03**
Not Specified Military	***2.85***	***3.47***	***3.37***	***3.25***	***3.44***	***2.51***	***2.26***	***2.22***	***2.03***
Not Specified	**2.85**	**3.47**	**3.37**	**3.25**	**3.44**	**2.51**	**2.26**	**2.22**	**2.03**
Fuel combustion - Distillate	*0.07*	*0.29*	*0.48*	*0.47*	*0.54*	*0.10*	*0.11*	*0.12*	*0.09*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.071	0.287	0.482	0.468	0.539	0.098	0.108	0.118	0.085
N2O	0.000	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000
Fuel combustion - Jet fuel	*2.77*	*3.18*	*2.89*	*2.78*	*2.90*	*2.41*	*2.15*	*2.10*	*1.94*
CH4	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001
CO2	2.746	3.151	2.859	2.754	2.873	2.383	2.128	2.080	1.923
N2O	0.027	0.031	0.028	0.027	0.028	0.023	0.021	0.020	0.019

Summary for Excluded Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008
International and Interstate Emissions	**45.74**	**41.73**	**45.77**	**38.59**	**42.24**	**45.46**	**46.34**	**49.90**	**45.23**

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008
Electricity Generation (In State)	**8.19**	**8.35**	**10.70**	**8.73**	**7.92**	**8.14**	**8.94**	**7.98**	**7.80**
CHP: Commercial	***0.27***	***0.10***	***0.16***	***0.31***	***0.31***	***0.40***	***0.40***	***0.31***	***0.31***
Not Specified	**0.27**	**0.10**	**0.16**	**0.31**	**0.31**	**0.40**	**0.40**	**0.31**	**0.31**
Fuel combustion - Digester gas	*0.24*	*0.10*	*0.16*	*0.31*	*0.31*	*0.35*	*0.34*	*0.28*	*0.28*
CO2	0.239	0.101	0.162	0.308	0.314	0.354	0.338	0.280	0.276
Fuel combustion - Landfill gas	*0.03*	*0.00*	*0.00*	*0.00*	*0.00*	*0.05*	*0.07*	*0.03*	*0.03*
CO2	0.029	0.000	0.000	0.000	0.000	0.047	0.066	0.030	0.030
CHP: Industrial	***1.74***	***2.39***	***1.70***	***1.58***	***0.96***	***0.99***	***1.49***	***1.02***	***0.89***
Not Specified	**1.74**	**2.39**	**1.70**	**1.58**	**0.96**	**0.99**	**1.49**	**1.02**	**0.89**
Fuel combustion - Biomass	*1.64*	*2.27*	*1.58*	*1.52*	*0.90*	*0.91*	*1.41*	*0.96*	*0.82*
CO2	1.641	2.271	1.579	1.520	0.897	0.912	1.415	0.963	0.822
Fuel combustion - Digester gas	*0.00*	*0.01*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CO2	0.000	0.008	0.006	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Landfill gas	*0.09*	*0.11*	*0.11*	*0.05*	*0.06*	*0.07*	*0.07*	*0.06*	*0.06*
CO2	0.091	0.106	0.111	0.052	0.055	0.066	0.072	0.057	0.063
Fuel combustion - Tires	*0.01*	*0.00*	*0.00*	*0.01*	*0.01*	*0.01*	*0.01*	*0.00*	*0.00*
CO2	0.005	0.000	0.004	0.006	0.009	0.009	0.007	0.004	0.003
Merchant Owned	***6.06***	***5.65***	***6.38***	***6.51***	***6.37***	***6.41***	***6.69***	***6.30***	***6.25***
Not Specified	**6.06**	**5.65**	**6.38**	**6.51**	**6.37**	**6.41**	**6.69**	**6.30**	**6.25**
Fuel combustion - Biomass	*3.70*	*3.23*	*4.26*	*4.48*	*4.21*	*4.37*	*4.35*	*4.07*	*4.22*
CO2	3.703	3.231	4.257	4.475	4.206	4.371	4.353	4.071	4.221
Fuel combustion - Digester gas	*0.04*	*0.04*	*0.03*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CO2	0.039	0.043	0.035	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Landfill gas	*1.84*	*1.90*	*1.59*	*1.57*	*1.73*	*1.63*	*1.88*	*1.77*	*1.83*
CO2	1.844	1.901	1.592	1.571	1.729	1.634	1.880	1.766	1.830
Fuel combustion - MSW	*0.47*	*0.48*	*0.49*	*0.46*	*0.44*	*0.40*	*0.46*	*0.46*	*0.20*
CO2	0.474	0.480	0.493	0.460	0.436	0.401	0.457	0.460	0.198
Utility Owned	***0.13***	***0.21***	***2.46***	***0.33***	***0.27***	***0.34***	***0.35***	***0.35***	***0.35***
Not Specified	**0.13**	**0.21**	**2.46**	**0.33**	**0.27**	**0.34**	**0.35**	**0.35**	**0.35**
Fuel combustion - Biomass	*0.13*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CO2	0.130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Digester gas	*0.00*	*0.13*	*2.37*	*0.23*	*0.17*	*0.23*	*0.23*	*0.23*	*0.23*
CO2	0.000	0.131	2.366	0.231	0.174	0.227	0.230	0.231	0.230
Fuel combustion - Landfill gas	*0.00*	*0.08*	*0.10*	*0.10*	*0.10*	*0.11*	*0.12*	*0.12*	*0.12*
CO2	0.000	0.080	0.098	0.103	0.096	0.113	0.117	0.123	0.125

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008
Industrial	**10.51**	**11.04**	**9.24**	**9.16**	**9.97**	**10.72**	**10.48**	**10.94**	**11.11**
CHP: Industrial	***1.30***	***1.03***	***0.61***	***0.62***	***1.34***	***1.55***	***1.03***	***1.50***	***1.43***
Useful Thermal Output	**1.30**	**1.03**	**0.61**	**0.62**	**1.34**	**1.55**	**1.03**	**1.50**	**1.43**
Fuel combustion - Biomass	*1.28*	*1.03*	*0.61*	*0.61*	*1.34*	*1.55*	*1.03*	*1.50*	*1.43*
CO2	1.280	1.032	0.605	0.613	1.337	1.547	1.033	1.498	1.427
Fuel combustion - Landfill gas	*0.02*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CO2	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Tires	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CO2	0.002	0.000	0.002	0.003	0.000	0.000	0.000	0.003	0.001
Landfills	***5.46***	***5.77***	***6.01***	***6.00***	***6.06***	***6.34***	***6.56***	***6.49***	***6.65***
Not Specified	**5.46**	**5.77**	**6.01**	**6.00**	**6.06**	**6.34**	**6.56**	**6.49**	**6.65**
Landfill emissions - Landfill gas	*5.46*	*5.77*	*6.01*	*6.00*	*6.06*	*6.34*	*6.56*	*6.49*	*6.65*
CO2	5.459	5.774	6.013	5.995	6.056	6.338	6.558	6.490	6.653
Manufacturing	***0.04***	***0.04***	***0.04***	***0.05***	***0.05***	***0.06***	***0.04***	***0.05***	***0.07***
Stone, Clay, Glass & Cement : Cement	**0.04**	**0.04**	**0.04**	**0.05**	**0.05**	**0.06**	**0.04**	**0.05**	**0.07**
Fuel combustion - Biomass waste fuel	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.00*	*0.01*	*0.03*
CO2	0.014	0.013	0.013	0.013	0.012	0.012	0.004	0.007	0.027
Fuel combustion - Tires	*0.02*	*0.03*	*0.03*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
CO2	0.023	0.027	0.031	0.035	0.040	0.044	0.040	0.042	0.045
Not Specified Industrial	***3.72***	***4.19***	***2.57***	***2.50***	***2.53***	***2.78***	***2.85***	***2.90***	***2.96***
Not Specified	**3.72**	**4.19**	**2.57**	**2.50**	**2.53**	**2.78**	**2.85**	**2.90**	**2.96**
Fuel combustion - Wood (wet)	*3.72*	*4.19*	*2.57*	*2.50*	*2.53*	*2.78*	*2.85*	*2.90*	*2.96*
CO2	3.718	4.192	2.574	2.503	2.527	2.783	2.847	2.904	2.961
Commercial	**0.62**	**0.60**	**0.62**	**0.64**	**0.66**	**0.46**	**0.43**	**0.52**	**0.52**
CHP: Commercial	***0.04***	***0.02***	***0.02***	***0.02***	***0.04***	***0.07***	***0.07***	***0.14***	***0.12***
Useful Thermal Output	**0.04**	**0.02**	**0.02**	**0.02**	**0.04**	**0.07**	**0.07**	**0.14**	**0.12**
Fuel combustion - Digester gas	*0.03*	*0.02*	*0.02*	*0.02*	*0.04*	*0.06*	*0.06*	*0.11*	*0.09*
CO2	0.034	0.016	0.016	0.016	0.045	0.056	0.057	0.109	0.093
Fuel combustion - Landfill gas	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*0.01*	*0.03*	*0.02*
CO2	0.009	0.000	0.000	0.000	0.000	0.012	0.012	0.026	0.022
Not Specified Commercial	***0.58***	***0.59***	***0.60***	***0.63***	***0.61***	***0.39***	***0.36***	***0.38***	***0.40***
Not Specified	**0.58**	**0.59**	**0.60**	**0.63**	**0.61**	**0.39**	**0.36**	**0.38**	**0.40**
Fuel combustion - Wood (wet)	*0.58*	*0.59*	*0.60*	*0.63*	*0.61*	*0.39*	*0.36*	*0.38*	*0.40*
CO2	0.580	0.587	0.601	0.626	0.612	0.388	0.359	0.382	0.404

California Greenhouse Gas Inventory for 2000-2008 — by Sector and Activity

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

CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008
Residential	**3.55**	**3.33**	**3.38**	**3.56**	**3.65**	**2.43**	**2.21**	**2.44**	**2.66**
Household Use	***3.55***	***3.33***	***3.38***	***3.56***	***3.65***	***2.43***	***2.21***	***2.44***	***2.66***
Not Specified	**3.55**	**3.33**	**3.38**	**3.56**	**3.65**	**2.43**	**2.21**	**2.44**	**2.66**
Fuel combustion - Wood (wet)	*3.55*	*3.33*	*3.38*	*3.56*	*3.65*	*2.43*	*2.21*	*2.44*	*2.66*
CO2	3.553	3.335	3.385	3.563	3.652	2.427	2.210	2.436	2.663
Agriculture & Forestry	**1.62**	**1.36**	**1.37**	**1.42**	**1.40**	**1.51**	**1.46**	**1.62**	**1.69**
Ag Residue Burning	***1.62***	***1.36***	***1.37***	***1.42***	***1.40***	***1.51***	***1.46***	***1.62***	***1.69***
Field Crops	**0.68**	**0.43**	**0.43**	**0.48**	**0.43**	**0.47**	**0.35**	**0.50**	**0.53**
Crop acreage burned - Barley	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CO2	0.011	0.013	0.011	0.008	0.009	0.008	0.008	0.007	0.008
Crop acreage burned - Corn	*0.08*	*0.07*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.09*	*0.10*
CO2	0.079	0.070	0.079	0.077	0.078	0.081	0.075	0.094	0.097
Crop acreage burned - Rice	*0.47*	*0.23*	*0.22*	*0.23*	*0.21*	*0.27*	*0.17*	*0.27*	*0.26*
CO2	0.471	0.225	0.220	0.226	0.208	0.268	0.167	0.271	0.264
Crop acreage burned - Wheat	*0.12*	*0.12*	*0.12*	*0.17*	*0.13*	*0.11*	*0.10*	*0.12*	*0.16*
CO2	0.124	0.120	0.122	0.169	0.132	0.111	0.101	0.125	0.160
Orchard & Vineyard	**0.93**	**0.93**	**0.94**	**0.94**	**0.97**	**1.05**	**1.11**	**1.12**	**1.16**
Crop acreage burned - Almond	*0.72*	*0.71*	*0.72*	*0.72*	*0.75*	*0.82*	*0.89*	*0.90*	*0.94*
CO2	0.718	0.712	0.718	0.718	0.754	0.824	0.889	0.901	0.936
Crop acreage burned - Walnut	*0.21*	*0.21*	*0.22*	*0.22*	*0.22*	*0.22*	*0.22*	*0.22*	*0.22*
CO2	0.213	0.215	0.219	0.221	0.221	0.222	0.222	0.224	0.224

Summary for CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008
Carbon dioxide from Biogenic sources	**24.50**	**24.68**	**25.31**	**23.51**	**23.60**	**23.26**	**23.52**	**23.50**	**23.78**