California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Electricity Generation (In State)	**60.97**	**64.75**	**51.49**	**49.89**	**50.98**	**46.96**	**51.79**	**55.96**	**56.08**	**56.21**
CHP: Commercial	***0.74***	***0.67***	***0.77***	***0.86***	***0.69***	***0.73***	***0.71***	***0.78***	***0.76***	***1.05***
Not Specified	**0.74**	**0.67**	**0.77**	**0.86**	**0.69**	**0.73**	**0.71**	**0.78**	**0.76**	**1.05**
Fuel combustion - Crude oil	*0.00*	*0.00*	*0.06*	*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	0.000
CO2	0.000	0.000	0.064	0.002	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	0.000
Fuel combustion - Digester gas	*0.00*	*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	0.000
N2O	0.000	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*	*0.00*
CH4	0.000	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	0.000	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	0.000
Fuel combustion - Jet fuel	*0.00*	*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	0.000
CO2	0.000	0.001	0.001	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	0.000
Fuel combustion - Kerosene	*0.00*	*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	0.000
CO2	0.000	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	0.000
Fuel combustion - Landfill gas	*0.00*	*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	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*0.74*	*0.67*	*0.70*	*0.86*	*0.69*	*0.73*	*0.71*	*0.77*	*0.76*	*1.05*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.741	0.670	0.701	0.860	0.690	0.728	0.714	0.774	0.762	1.047
N2O	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001
Fuel combustion - Propane	*0.00*	*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	0.000
CO2	0.000	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	0.000
CHP: Industrial	***18.49***	***16.78***	***20.33***	***17.86***	***15.38***	***14.88***	***13.93***	***13.87***	***13.70***	***17.03***
Not Specified	**18.49**	**16.78**	**20.33**	**17.86**	**15.38**	**14.88**	**13.93**	**13.87**	**13.70**	**17.03**
Acid gas control	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.08*	*0.07*
CO2	0.084	0.082	0.083	0.081	0.081	0.083	0.084	0.082	0.077	0.073
Fuel combustion - Biomass	*0.03*	*0.05*	*0.03*	*0.03*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.03*
CH4	0.011	0.015	0.011	0.010	0.007	0.007	0.006	0.006	0.006	0.010
N2O	0.022	0.030	0.021	0.020	0.014	0.013	0.013	0.013	0.011	0.020

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California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Fuel combustion - Coal	*2.27*	*2.14*	*2.40*	*2.17*	*1.85*	*1.76*	*1.85*	*1.91*	*2.07*	*1.18*
CH4	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.003
CO2	2.259	2.127	2.390	2.164	1.843	1.749	1.840	1.900	2.058	1.167
N2O	0.011	0.011	0.012	0.011	0.009	0.009	0.009	0.009	0.010	0.006
Fuel combustion - Crude oil	*0.02*	*0.01*	*0.06*	*0.02*	*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	0.000
CO2	0.017	0.012	0.056	0.015	0.010	0.006	0.006	0.007	0.008	0.000
N2O	0.000	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*	*0.00*
CH4	0.000	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	0.000
Fuel combustion - Distillate	*0.00*	*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	0.000
CO2	0.002	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
N2O	0.000	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*	*0.00*
CH4	0.000	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	0.000
Fuel combustion - MSW	*0.00*	*0.00*	*0.00*	*0.14*	*0.13*	*0.11*	*0.13*	*0.13*	*0.13*	*0.00*
CH4	0.000	0.000	0.000	0.003	0.002	0.002	0.003	0.002	0.002	0.000
CO2	0.000	0.000	0.000	0.132	0.120	0.108	0.124	0.122	0.123	0.000
N2O	0.000	0.000	0.000	0.005	0.005	0.004	0.005	0.005	0.005	0.000
Fuel combustion - Natural gas	*13.26*	*12.42*	*15.31*	*13.24*	*11.21*	*10.60*	*9.82*	*9.88*	*9.96*	*13.38*
CH4	0.005	0.005	0.006	0.005	0.004	0.004	0.004	0.004	0.004	0.005
CO2	13.251	12.404	15.292	13.226	11.203	10.587	9.810	9.872	9.948	13.368
N2O	0.008	0.007	0.009	0.008	0.007	0.006	0.006	0.006	0.006	0.008
Fuel combustion - Petroleum coke	*1.39*	*1.33*	*1.72*	*1.18*	*1.24*	*1.37*	*1.18*	*1.11*	*0.79*	*0.24*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
CO2	1.386	1.327	1.719	1.180	1.235	1.371	1.173	1.108	0.787	0.239
N2O	0.003	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.001	0.001
Fuel combustion - Propane	*0.00*	*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	0.000
CO2	0.000	0.001	0.000	0.001	0.000	0.000	0.000	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	0.000
Fuel combustion - Refinery gas	*1.27*	*0.67*	*0.68*	*0.78*	*0.77*	*0.83*	*0.75*	*0.62*	*0.59*	*2.09*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
CO2	1.267	0.665	0.679	0.780	0.770	0.828	0.748	0.623	0.589	2.091
N2O	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Fuel combustion - Residual fuel oil	*0.00*	*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	0.000

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CO2	0.000	0.000	0.000	0.000	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	0.000
Fuel combustion - Tires	*0.02*	*0.00*	*0.02*	*0.03*	*0.02*	*0.03*	*0.02*	*0.02*	*0.01*	*0.02*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.023	0.001	0.019	0.026	0.024	0.025	0.017	0.015	0.013	0.020
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Waste oil	*0.12*	*0.06*	*0.00*	*0.17*	*0.02*	*0.05*	*0.06*	*0.07*	*0.03*	*0.00*
CH4	0.001	0.001	0.000	0.001	0.000	0.000	0.000	0.001	0.000	0.000
CO2	0.113	0.060	0.002	0.162	0.018	0.046	0.056	0.069	0.029	0.000
N2O	0.002	0.001	0.000	0.003	0.000	0.001	0.001	0.001	0.000	0.000
Fugitive emissions	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
CH4	0.022	0.022	0.023	0.022	0.023	0.021	0.022	0.023	0.022	0.019
Merchant Owned	***33.75***	***39.66***	***24.60***	***24.91***	***28.37***	***24.08***	***27.14***	***30.21***	***29.68***	***27.38***
Not Specified	**33.75**	**39.66**	**24.60**	**24.91**	**28.37**	**24.08**	**27.14**	**30.21**	**29.68**	**27.38**
Acid gas control	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.02*
CO2	0.028	0.028	0.028	0.027	0.028	0.028	0.029	0.028	0.026	0.025
Fuel combustion - Associated gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.05*	*0.05*	*0.04*	*0.04*	*0.03*
CH4	0.000	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	0.048	0.052	0.043	0.042	0.027
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Biomass	*0.07*	*0.06*	*0.08*	*0.09*	*0.08*	*0.09*	*0.09*	*0.08*	*0.08*	*0.07*
CH4	0.025	0.022	0.029	0.030	0.028	0.029	0.029	0.027	0.028	0.023
N2O	0.049	0.043	0.056	0.059	0.056	0.058	0.058	0.054	0.056	0.048
Fuel combustion - Crude oil	*0.00*	*0.00*	*0.00*	*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	0.000
CO2	0.000	0.000	0.000	0.018	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	0.000
Fuel combustion - Digester gas	*0.00*	*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	0.000
N2O	0.000	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*	*0.02*
CH4	0.000	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	0.016
N2O	0.001	0.001	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*	*0.02*	*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	0.000
CO2	0.000	0.000	0.000	0.002	0.022	0.035	0.042	0.025	0.010	0.011
N2O	0.000	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*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
CO2	0.000	0.000	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.005
N2O	0.000	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*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011
N2O	0.001	0.001	0.000	0.000	0.001	0.000	0.001	0.001	0.001	0.001
Fuel combustion - MSW	*0.26*	*0.27*	*0.27*	*0.12*	*0.12*	*0.10*	*0.11*	*0.12*	*0.11*	*0.26*
CH4	0.005	0.005	0.005	0.002	0.002	0.002	0.002	0.002	0.002	0.003
CO2	0.249	0.252	0.259	0.110	0.109	0.090	0.106	0.111	0.104	0.248
N2O	0.010	0.010	0.010	0.004	0.004	0.004	0.004	0.004	0.004	0.007
Fuel combustion - Natural gas	*30.12*	*35.89*	*21.33*	*21.55*	*24.93*	*20.56*	*23.63*	*26.33*	*26.32*	*24.46*
CH4	0.012	0.014	0.008	0.009	0.010	0.008	0.009	0.010	0.010	0.009
CO2	30.095	35.852	21.311	21.525	24.902	20.539	23.611	26.309	26.295	24.439
N2O	0.018	0.021	0.012	0.013	0.015	0.012	0.014	0.015	0.015	0.014
Fuel combustion - Petroleum coke	*0.93*	*0.96*	*0.93*	*1.16*	*1.20*	*1.22*	*1.24*	*1.29*	*1.13*	*1.23*
CH4	0.001	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	1.230
N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Fuel combustion - Propane	*0.00*	*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	0.000
CO2	0.000	0.000	0.000	0.000	0.000	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	0.000
Fuel combustion - Refinery gas	*0.09*	*0.00*	*0.00*	*0.00*	*0.04*	*0.04*	*0.03*	*0.37*	*0.04*	*0.03*
CH4	0.000	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	0.037	0.034	0.369	0.041	0.030
N2O	0.000	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*	*0.00*
CH4	0.000	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	0.000
N2O	0.000	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*	*0.00*
CH4	0.000	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	0.000
N2O	0.000	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*	*1.23*
CH4										0.000
CO2	1.948	1.928	1.882	1.888	1.907	1.912	1.875	1.901	1.890	1.227
N2O										0.000

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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	2009
Transmission and Distribution	***0.91***	***0.87***	***0.74***	***0.75***	***0.74***	***0.75***	***0.75***	***0.67***	***0.67***	***0.68***
Not Specified	**0.91**	**0.87**	**0.74**	**0.75**	**0.74**	**0.75**	**0.75**	**0.67**	**0.67**	**0.68**
Electricity transmitted	*0.91*	*0.87*	*0.74*	*0.75*	*0.74*	*0.75*	*0.75*	*0.67*	*0.67*	*0.68*
SF6	0.909	0.867	0.744	0.751	0.738	0.748	0.751	0.671	0.674	0.675
Utility Owned	***7.08***	***6.77***	***5.05***	***5.51***	***5.80***	***6.53***	***9.25***	***10.42***	***11.26***	***10.07***
Not Specified	**7.08**	**6.77**	**5.05**	**5.51**	**5.80**	**6.53**	**9.25**	**10.42**	**11.26**	**10.07**
Fuel combustion - Biomass	*0.00*	*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	0.000
N2O	0.002	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*	*0.00*
CH4	0.000	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	0.000
Fuel combustion - Distillate	*0.13*	*0.10*	*0.05*	*0.05*	*0.05*	*0.06*	*0.05*	*0.05*	*0.05*	*0.04*
CH4	0.000	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	0.044
N2O	0.000	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*	*0.00*
CH4	0.000	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	0.000
Fuel combustion - Natural gas	*6.93*	*6.47*	*4.82*	*5.29*	*5.58*	*6.32*	*9.04*	*10.21*	*11.03*	*10.01*
CH4	0.003	0.003	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.004
CO2	6.927	6.461	4.811	5.289	5.576	6.318	9.034	10.200	11.014	9.998
N2O	0.004	0.004	0.003	0.003	0.003	0.004	0.005	0.006	0.006	0.006
Fuel combustion - Propane	*0.00*	*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	0.000
CO2	0.000	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	0.000
Fuel combustion - Refinery gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.03*	*0.00*
CH4	0.000	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	0.032	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Residual fuel oil	*0.01*	*0.20*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*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	0.000
CO2	0.014	0.199	0.000	0.002	0.000	0.000	0.006	0.008	0.004	0.005
N2O	0.000	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*	*0.01*
CO2	0.000	0.000	0.187	0.166	0.167	0.149	0.154	0.154	0.149	0.013

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Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Electricity Generation (Imports)	**46.23**	**59.39**	**59.37**	**64.94**	**66.42**	**63.18**	**54.99**	**60.13**	**66.18**	**48.40**
Specified Imports	***31.63***	***33.59***	***32.04***	***32.50***	***33.12***	***32.78***	***26.72***	***27.07***	***27.90***	***33.06***
Arizona : Apache Station (AZ)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.06**
Electricity generation - Primary fuel: Coal	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.06*
CH4	0.000	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	0.058
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Arizona : Arlington Valley Energy Facility (AZ)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.13**
Electricity generation - Primary fuel: Natural Gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.13*
CH4	0.000	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	0.127
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Arizona : Griffith Energy (AZ)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**
Electricity generation - Primary fuel: Natural Gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.04*
CH4	0.000	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	0.042
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Arizona : Harquahala Generating Project (AZ)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Electricity generation - Primary fuel: Natural Gas	*0.00*	*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	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Arizona : Mesquite Generating Station (AZ)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.11**
Electricity generation - Primary fuel: Natural Gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.11*
CH4	0.000	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	0.112
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Arizona : Navajo (AZ)	**3.65**	**3.52**	**3.67**	**3.34**	**3.48**	**3.15**	**3.38**	**3.48**	**3.47**	**3.22**
Electricity generation - Primary fuel: Coal	*3.65*	*3.52*	*3.67*	*3.34*	*3.48*	*3.15*	*3.38*	*3.48*	*3.47*	*3.22*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	3.630	3.507	3.650	3.326	3.465	3.131	3.367	3.463	3.451	3.208
N2O	0.018	0.017	0.018	0.017	0.017	0.016	0.017	0.017	0.017	0.016
Arizona : Red Hawk (AZ)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Electricity generation - Primary fuel: Natural Gas	*0.00*	*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	0.000
CO2	0.000	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	0.000

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Arizona : Yucca/Yuma Axis (AZ)	**0.13**	**0.17**	**0.11**	**0.07**	**0.07**	**0.07**	**0.08**	**0.08**	**0.08**	**0.19**
Electricity generation - Primary fuel: Natural Gas	*0.13*	*0.17*	*0.11*	*0.07*	*0.07*	*0.07*	*0.08*	*0.08*	*0.08*	*0.19*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.128	0.174	0.109	0.066	0.074	0.068	0.077	0.081	0.082	0.186
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Arizona : Yuma Cogeneration Associates (AZ)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.13**
Electricity generation - Primary fuel: Natural Gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.13*
CH4	0.000	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	0.135
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Canada : Armstrong Woodwaste Cogeneration (CAN)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.01**
Electricity generation - Primary fuel: Biomass	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*
CH4	0.000	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	0.007
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mexico : La Rosita (MEX)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.97**	**0.79**
Electricity generation - Primary fuel: Natural Gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.97*	*0.79*
CH4	0.000	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	0.965	0.789
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
Mexico : Termoelectrica de Mexicali (MEX)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.24**	**1.58**	**1.63**
Electricity generation - Primary fuel: Natural Gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*1.24*	*1.58*	*1.63*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.240	1.573	1.625
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001
Nevada : Apex Generating Station (NV)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.02**
Electricity generation - Primary fuel: Natural Gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*1.02*
CH4	0.000	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	1.016
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Nevada : Caithness Dixie Valley (NV)	**0.08**	**0.07**	**0.07**	**0.07**	**0.08**	**0.08**	**0.08**	**0.08**	**0.06**	**0.07**
Electricity generation - Primarily Geothermal	*0.08*	*0.07*	*0.07*	*0.07*	*0.08*	*0.08*	*0.08*	*0.08*	*0.06*	*0.07*
CO2	0.076	0.073	0.075	0.070	0.080	0.081	0.079	0.076	0.061	0.070
Nevada : El Dorado Energy (NV)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**4.09**
Electricity generation - Primary fuel: Natural Gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*4.09*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.086
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002

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Nevada : Mohave (NV)	**7.68**	**7.30**	**6.37**	**6.09**	**6.39**	**6.66**	**0.00**	**0.00**	**0.00**	**0.00**
Electricity generation - Primary fuel: Coal	*7.68*	*7.30*	*6.37*	*6.09*	*6.39*	*6.66*	*0.00*	*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	0.000
CO2	7.645	7.265	6.337	6.057	6.356	6.623	0.000	0.000	0.000	0.000
N2O	0.038	0.036	0.032	0.030	0.032	0.033	0.000	0.000	0.000	0.000
Nevada : Reid Gardner (NV)	**1.29**	**1.17**	**1.26**	**1.21**	**1.21**	**1.21**	**1.15**	**1.15**	**1.03**	**1.23**
Electricity generation - Primary fuel: Coal	*1.29*	*1.17*	*1.26*	*1.21*	*1.21*	*1.21*	*1.15*	*1.15*	*1.03*	*1.23*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	1.286	1.161	1.255	1.206	1.206	1.202	1.144	1.145	1.027	1.219
N2O	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.006
New Mexico : Four Corners (NM)	**5.12**	**5.35**	**4.62**	**5.58**	**5.38**	**5.56**	**5.71**	**5.23**	**5.19**	**5.41**
Electricity generation - Primary fuel: Coal	*5.12*	*5.35*	*4.62*	*5.58*	*5.38*	*5.56*	*5.71*	*5.23*	*5.19*	*5.41*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	5.096	5.321	4.598	5.553	5.349	5.534	5.679	5.202	5.166	5.380
N2O	0.024	0.025	0.022	0.027	0.026	0.026	0.027	0.025	0.025	0.026
New Mexico : San Juan (NM)	**0.56**	**2.97**	**3.13**	**2.93**	**3.16**	**3.20**	**3.19**	**2.94**	**2.73**	**2.36**
Electricity generation - Primary fuel: Coal	*0.56*	*2.97*	*3.13*	*2.93*	*3.16*	*3.20*	*3.19*	*2.94*	*2.73*	*2.36*
CH4	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.560	2.952	3.112	2.912	3.141	3.184	3.178	2.930	2.716	2.353
N2O	0.003	0.014	0.015	0.014	0.015	0.015	0.015	0.014	0.013	0.011
Oregon : Boardman (OR)	**1.03**	**0.99**	**0.84**	**1.00**	**0.80**	**0.81**	**0.56**	**0.99**	**0.91**	**0.55**
Electricity generation - Primary fuel: Coal	*1.03*	*0.99*	*0.84*	*1.00*	*0.80*	*0.81*	*0.56*	*0.99*	*0.91*	*0.55*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	1.021	0.989	0.836	0.992	0.800	0.808	0.553	0.984	0.906	0.548
N2O	0.005	0.005	0.004	0.005	0.004	0.004	0.003	0.005	0.004	0.003
Oregon : Klamath Falls Cogen (OR)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.93**
Electricity generation - Primary fuel: Natural Gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.93*
CH4	0.000	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	0.928
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Utah : Blundell (UT)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Electricity generation - Primarily Geothermal	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004
Utah : Bonanza (UT)	**0.21**	**0.21**	**0.21**	**0.21**	**0.21**	**0.21**	**0.21**	**0.19**	**0.21**	**0.18**
Electricity generation - Primary fuel: Coal	*0.21*	*0.21*	*0.21*	*0.21*	*0.21*	*0.21*	*0.21*	*0.19*	*0.21*	*0.18*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.212	0.209	0.205	0.205	0.210	0.206	0.207	0.191	0.206	0.183
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

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California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Utah : Hunter (UT)	**0.22**	**0.23**	**0.22**	**0.21**	**0.23**	**0.23**	**0.22**	**0.20**	**0.22**	**0.19**
Electricity generation - Primary fuel: Coal	*0.22*	*0.23*	*0.22*	*0.21*	*0.23*	*0.23*	*0.22*	*0.20*	*0.22*	*0.19*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.219	0.227	0.214	0.212	0.227	0.226	0.220	0.202	0.220	0.190
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Utah : Intermountain (UT)	**11.66**	**11.60**	**11.54**	**11.80**	**12.11**	**11.61**	**12.14**	**11.49**	**11.45**	**10.40**
Electricity generation - Primary fuel: Coal	*11.66*	*11.60*	*11.54*	*11.80*	*12.11*	*11.61*	*12.14*	*11.49*	*11.45*	*10.40*
CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002
CO2	11.595	11.539	11.484	11.739	12.045	11.555	12.080	11.426	11.390	10.342
N2O	0.058	0.057	0.057	0.058	0.060	0.058	0.060	0.057	0.057	0.051
Utah : Nebo Power Station (UT)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.01**
Electricity generation - Primary fuel: Natural Gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*
CH4	0.000	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	0.012
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Utah : Thermo No. 1 Raser (UT)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Electricity generation - Primarily Geothermal	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004
Washington : Simpson (WA)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.01**
Electricity generation - Primary fuel: Biomass	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005
Washington : Transalta Centralia Generation (WA)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.28**
Electricity generation - Primary fuel: Coal	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.28*
CH4	0.000	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	0.281
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Washington : Weyerhaeuser Long View (WA)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.01**
Electricity generation - Primary fuels: Biomass, Coal and Natural Gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*
CH4	0.000	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	0.007
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Transmission and Distribution	***0.34***	***0.38***	***0.41***	***0.38***	***0.39***	***0.37***	***0.32***	***0.34***	***0.36***	***0.35***
Not Specified	**0.34**	**0.38**	**0.41**	**0.38**	**0.39**	**0.37**	**0.32**	**0.34**	**0.36**	**0.35**
Electricity transmitted	*0.34*	*0.38*	*0.41*	*0.38*	*0.39*	*0.37*	*0.32*	*0.34*	*0.36*	*0.35*
SF6	0.337	0.376	0.411	0.385	0.394	0.374	0.317	0.337	0.361	0.352

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Unspecified Imports	***14.27***	***25.42***	***26.92***	***32.05***	***32.90***	***30.02***	***27.96***	***32.72***	***37.92***	***14.99***
Pacific Northwest	**4.22**	**2.60**	**6.17**	**8.88**	**7.55**	**6.10**	**7.46**	**8.00**	**10.92**	**7.80**
Electricity generation - Unspecified sources	*4.22*	*2.60*	*6.17*	*8.88*	*7.55*	*6.10*	*7.46*	*8.00*	*10.92*	*7.80*
CH4	0.001	0.001	0.001	0.002	0.002	0.001	0.002	0.002	0.003	0.003
CO2	4.202	2.592	6.145	8.835	7.512	6.075	7.422	7.967	10.868	7.787
N2O	0.020	0.012	0.026	0.038	0.032	0.026	0.032	0.035	0.047	0.005
Pacific Southwest	**10.04**	**22.82**	**20.74**	**23.17**	**25.36**	**23.92**	**20.50**	**24.72**	**27.01**	**7.20**
Electricity generation - Unspecified sources	*10.04*	*22.82*	*20.74*	*23.17*	*25.36*	*23.92*	*20.50*	*24.72*	*27.01*	*7.20*
CH4	0.002	0.005	0.005	0.006	0.007	0.006	0.006	0.007	0.007	0.003
CO2	9.999	22.718	20.659	23.077	25.259	23.821	20.424	24.621	26.885	7.190
N2O	0.042	0.096	0.081	0.091	0.091	0.090	0.070	0.093	0.113	0.005
Transportation	**171.71**	**174.79**	**181.28**	**179.39**	**183.18**	**186.07**	**186.64**	**187.08**	**177.97**	**172.92**
Aviation	***3.84***	***3.64***	***3.92***	***3.77***	***4.27***	***4.74***	***4.90***	***5.13***	***5.09***	***4.99***
Domestic Air transport	**0.25**	**0.19**	**0.21**	**0.21**	**0.19**	**0.19**	**0.16**	**0.16**	**0.14**	**0.10**
Fuel combustion - Aviation gasoline	*0.25*	*0.19*	*0.21*	*0.21*	*0.19*	*0.19*	*0.16*	*0.16*	*0.14*	*0.10*
CH4	0.000	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	0.099
N2O	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000
Domestic Air transport : Intrastate	**3.32**	**3.20**	**3.44**	**3.29**	**3.83**	**4.34**	**4.53**	**4.75**	**4.76**	**4.73**
Fuel combustion - Jet fuel	*3.32*	*3.20*	*3.44*	*3.29*	*3.83*	*4.34*	*4.53*	*4.75*	*4.76*	*4.73*
CH4	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003
CO2	3.285	3.172	3.408	3.257	3.786	4.292	4.481	4.701	4.709	4.681
N2O	0.032	0.031	0.033	0.032	0.037	0.042	0.044	0.046	0.046	0.046
Not Specified	**0.26**	**0.24**	**0.27**	**0.27**	**0.25**	**0.22**	**0.21**	**0.23**	**0.19**	**0.16**
Fuel combustion - Ethanol	*0.00*	*0.00*	*0.00*	*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	0.000
CO2	0.001	0.001	0.001	0.006	0.008	0.008	0.008	0.008	0.007	0.006
N2O	0.000	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*	*0.19*	*0.15*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.262	0.242	0.269	0.261	0.237	0.212	0.204	0.219	0.185	0.151
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
Not Specified Transportation	***3.41***	***4.08***	***2.94***	***2.88***	***2.90***	***3.11***	***3.00***	***2.56***	***2.36***	***2.38***
Not Specified	**3.41**	**4.08**	**2.94**	**2.88**	**2.90**	**3.11**	**3.00**	**2.56**	**2.36**	**2.38**
Fuel combustion - Distillate	*2.12*	*2.88*	*1.73*	*1.75*	*1.77*	*1.89*	*1.80*	*1.34*	*1.08*	*1.27*
CH4	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.001	0.001	0.001
CO2	2.118	2.874	1.729	1.746	1.764	1.884	1.791	1.337	1.078	1.269
N2O	0.005	0.007	0.004	0.004	0.004	0.005	0.005	0.003	0.003	0.003

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Gross emissions & sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Fuel combustion - LPG	*0.08*	*0.09*	*0.12*	*0.11*	*0.12*	*0.21*	*0.21*	*0.18*	*0.32*	*0.25*
CH4	0.000	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	0.321	0.246
N2O	0.000	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*	*0.01*
CH4	0.000	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	0.009	0.008
N2O	0.000	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*	*0.94*	*0.85*
CO2	1.198	1.097	1.084	1.002	1.016	1.010	0.984	1.016	0.944	0.848
On Road	***159.34***	***162.16***	***168.61***	***166.42***	***169.64***	***171.14***	***171.43***	***172.45***	***164.27***	***160.14***
Heavy-duty Vehicles : Heavy-duty Trucks, Buses & Motorhomes	**32.49**	**32.88**	**32.98**	**33.36**	**35.00**	**36.33**	**36.73**	**37.53**	**34.83**	**32.39**
Fuel combustion - Distillate	*25.80*	*26.13*	*26.28*	*26.10*	*27.83*	*29.26*	*29.76*	*30.68*	*28.20*	*25.78*
CH4	0.018	0.018	0.018	0.017	0.017	0.018	0.018	0.018	0.016	0.014
CO2	25.519	25.851	25.995	25.822	27.536	28.946	29.446	30.351	27.896	25.510
N2O	0.259	0.262	0.264	0.262	0.279	0.294	0.299	0.308	0.283	0.259
Fuel combustion - Ethanol	*0.02*	*0.02*	*0.03*	*0.17*	*0.25*	*0.26*	*0.26*	*0.25*	*0.26*	*0.27*
CH4	0.000	0.000	0.000	0.001	0.002	0.002	0.001	0.001	0.001	0.001
CO2	0.015	0.021	0.024	0.154	0.231	0.242	0.238	0.233	0.244	0.250
N2O	0.002	0.002	0.002	0.013	0.019	0.019	0.017	0.016	0.016	0.016
Fuel combustion - Gasoline	*6.68*	*6.72*	*6.68*	*7.09*	*6.92*	*6.81*	*6.71*	*6.61*	*6.38*	*6.34*
CH4	0.040	0.037	0.035	0.033	0.030	0.027	0.024	0.021	0.018	0.016
CO2	6.212	6.291	6.251	6.679	6.543	6.454	6.386	6.308	6.104	6.081
N2O	0.423	0.396	0.392	0.375	0.345	0.326	0.299	0.276	0.256	0.243
Light-duty Vehicles : Light-duty Trucks & SUVs	**60.81**	**63.63**	**68.07**	**69.21**	**71.42**	**72.69**	**72.45**	**72.46**	**69.33**	**68.23**
Fuel combustion - Distillate	*0.83*	*0.93*	*1.09*	*0.99*	*1.03*	*0.90*	*0.75*	*0.75*	*0.65*	*0.55*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.820	0.921	1.082	0.978	1.021	0.890	0.741	0.744	0.640	0.543
N2O	0.008	0.009	0.011	0.010	0.010	0.009	0.008	0.008	0.006	0.006
Fuel combustion - Ethanol	*0.15*	*0.21*	*0.26*	*1.56*	*2.43*	*2.63*	*2.61*	*2.58*	*2.68*	*2.70*
CH4	0.001	0.001	0.001	0.007	0.009	0.009	0.008	0.008	0.008	0.007
CO2	0.140	0.198	0.248	1.492	2.329	2.528	2.509	2.490	2.584	2.610
N2O	0.009	0.011	0.012	0.067	0.095	0.095	0.090	0.085	0.085	0.083
Fuel combustion - Gasoline	*59.83*	*62.49*	*66.71*	*66.66*	*67.96*	*69.16*	*69.10*	*69.13*	*66.00*	*64.98*
CH4	0.228	0.210	0.198	0.183	0.167	0.153	0.142	0.133	0.119	0.110
CO2	57.313	60.142	64.482	64.616	66.060	67.383	67.416	67.534	64.547	63.610
N2O	2.287	2.137	2.030	1.862	1.730	1.624	1.538	1.461	1.337	1.262
Light-duty Vehicles : Motorcycles	**0.24**	**0.32**	**0.36**	**0.53**	**0.58**	**0.59**	**0.61**	**0.62**	**0.61**	**0.61**
Fuel combustion - Ethanol	*0.00*	*0.00*	*0.00*	*0.01*	*0.02*	*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	0.001

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	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
CO2	0.001	0.001	0.001	0.011	0.018	0.019	0.020	0.020	0.021	0.022
N2O	0.000	0.000	0.000	0.001	0.002	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*	*0.59*	*0.60*	*0.58*	*0.58*
CH4	0.006	0.008	0.009	0.013	0.014	0.014	0.014	0.014	0.013	0.013
CO2	0.217	0.286	0.325	0.469	0.504	0.515	0.528	0.541	0.527	0.528
N2O	0.018	0.024	0.027	0.039	0.041	0.042	0.043	0.044	0.042	0.041
Light-duty Vehicles : Passenger Cars	**65.68**	**65.19**	**67.05**	**63.13**	**62.43**	**61.01**	**61.10**	**61.25**	**58.87**	**58.20**
Fuel combustion - Distillate	*0.35*	*0.32*	*0.30*	*0.25*	*0.26*	*0.21*	*0.17*	*0.16*	*0.13*	*0.10*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.351	0.312	0.297	0.247	0.258	0.210	0.166	0.158	0.129	0.103
N2O	0.004	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.001	0.001
Fuel combustion - Ethanol	*0.16*	*0.22*	*0.26*	*1.44*	*2.15*	*2.23*	*2.22*	*2.20*	*2.29*	*2.32*
CH4	0.001	0.001	0.001	0.007	0.010	0.009	0.008	0.007	0.007	0.007
CO2	0.153	0.205	0.248	1.376	2.057	2.140	2.131	2.120	2.209	2.239
N2O	0.008	0.010	0.011	0.058	0.083	0.081	0.077	0.074	0.074	0.073
Fuel combustion - Gasoline	*65.16*	*64.66*	*66.49*	*61.44*	*60.02*	*58.57*	*58.72*	*58.88*	*56.45*	*55.77*
CH4	0.281	0.250	0.231	0.195	0.175	0.152	0.139	0.127	0.111	0.100
CO2	62.715	62.423	64.371	59.609	58.340	57.038	57.259	57.493	55.169	54.564
N2O	2.164	1.984	1.885	1.632	1.504	1.382	1.320	1.264	1.166	1.109
Not Specified	**0.12**	**0.15**	**0.15**	**0.18**	**0.21**	**0.51**	**0.54**	**0.59**	**0.64**	**0.72**
Fuel combustion - Natural gas	*0.12*	*0.15*	*0.15*	*0.18*	*0.21*	*0.51*	*0.54*	*0.59*	*0.64*	*0.72*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.122	0.146	0.151	0.184	0.207	0.509	0.535	0.590	0.639	0.715
N2O	0.000	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***	***2.83***	***2.89***	***3.32***	***3.50***	***3.15***	***2.56***	***1.94***
Not Specified	**1.86**	**1.87**	**2.48**	**2.83**	**2.89**	**3.32**	**3.50**	**3.15**	**2.56**	**1.94**
Fuel combustion - Distillate	*1.86*	*1.87*	*2.48*	*2.83*	*2.89*	*3.32*	*3.50*	*3.15*	*2.56*	*1.94*
CH4	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.002	0.002
CO2	1.857	1.868	2.472	2.824	2.881	3.307	3.492	3.135	2.554	1.930
N2O	0.005	0.005	0.006	0.007	0.007	0.008	0.009	0.008	0.006	0.005
Water-borne	***3.27***	***3.04***	***3.33***	***3.49***	***3.48***	***3.75***	***3.81***	***3.78***	***3.69***	***3.48***
International : Port activities	**0.43**	**0.45**	**0.47**	**0.50**	**0.52**	**0.55**	**0.58**	**0.56**	**0.55**	**0.48**
Fuel combustion - Distillate	*0.05*	*0.05*	*0.06*	*0.06*	*0.06*	*0.06*	*0.07*	*0.07*	*0.07*	*0.06*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.050	0.053	0.056	0.058	0.061	0.064	0.067	0.066	0.066	0.060
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Residual fuel oil	*0.38*	*0.40*	*0.42*	*0.44*	*0.46*	*0.49*	*0.51*	*0.49*	*0.48*	*0.42*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.376	0.396	0.417	0.439	0.462	0.485	0.510	0.489	0.483	0.423

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California Greenhouse Gas Inventory for 2000-2009 — 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	2009
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
International : Transit (CA waters)	**0.45**	**0.47**	**0.50**	**0.52**	**0.55**	**0.57**	**0.60**	**0.58**	**0.57**	**0.49**
Fuel combustion - Distillate	*0.01*	*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	0.000
CO2	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.010	0.009
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Residual fuel oil	*0.44*	*0.46*	*0.49*	*0.51*	*0.54*	*0.56*	*0.59*	*0.57*	*0.56*	*0.48*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.441	0.463	0.486	0.509	0.534	0.560	0.587	0.571	0.557	0.483
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Interstate : Port activities	**0.06**	**0.06**	**0.06**	**0.07**	**0.07**	**0.07**	**0.08**	**0.07**	**0.07**	**0.06**
Fuel combustion - Distillate	*0.01*	*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	0.000
CO2	0.005	0.006	0.006	0.006	0.006	0.007	0.007	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	0.000
Fuel combustion - Residual fuel oil	*0.05*	*0.05*	*0.06*	*0.06*	*0.06*	*0.07*	*0.07*	*0.06*	*0.06*	*0.05*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.051	0.054	0.057	0.059	0.062	0.065	0.068	0.064	0.062	0.053
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Interstate : Transit (CA waters)	**0.09**	**0.09**	**0.10**	**0.10**	**0.11**	**0.11**	**0.12**	**0.11**	**0.11**	**0.10**
Fuel combustion - Distillate	*0.00*	*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	0.000
CO2	0.002	0.002	0.002	0.002	0.002	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	0.000
Fuel combustion - Residual fuel oil	*0.09*	*0.09*	*0.10*	*0.10*	*0.11*	*0.11*	*0.12*	*0.11*	*0.11*	*0.09*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.086	0.091	0.095	0.100	0.105	0.110	0.115	0.111	0.108	0.093
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Intrastate : Harbor craft	**1.12**	**1.13**	**1.14**	**1.15**	**1.16**	**1.22**	**1.24**	**1.24**	**1.25**	**1.25**
Fuel combustion - Distillate	*1.12*	*1.13*	*1.14*	*1.15*	*1.16*	*1.22*	*1.24*	*1.24*	*1.25*	*1.25*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	1.115	1.127	1.139	1.150	1.160	1.221	1.234	1.240	1.241	1.242
N2O	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Intrastate : Port activities	**0.20**	**0.21**	**0.22**	**0.23**	**0.24**	**0.26**	**0.27**	**0.25**	**0.25**	**0.21**
Fuel combustion - Distillate	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*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	0.000
CO2	0.018	0.019	0.019	0.020	0.021	0.022	0.024	0.022	0.022	0.020
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Fuel combustion - Residual fuel oil	*0.18*	*0.19*	*0.20*	*0.21*	*0.22*	*0.23*	*0.25*	*0.23*	*0.23*	*0.19*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.182	0.192	0.202	0.212	0.222	0.233	0.244	0.231	0.224	0.192
N2O	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.000
Intrastate : Transit (CA waters)	**0.22**	**0.23**	**0.24**	**0.26**	**0.27**	**0.28**	**0.30**	**0.29**	**0.28**	**0.24**
Fuel combustion - Distillate	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*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	0.000
CO2	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005
N2O	0.000	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*	*0.24*	*0.25*	*0.26*	*0.28*	*0.29*	*0.28*	*0.28*	*0.24*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.212	0.224	0.237	0.250	0.264	0.279	0.294	0.283	0.275	0.237
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Not Specified	**0.71**	**0.39**	**0.60**	**0.66**	**0.56**	**0.68**	**0.63**	**0.67**	**0.61**	**0.65**
Fuel combustion - Ethanol	*0.00*	*0.00*	*0.00*	*0.01*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.03*
CH4	0.000	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	0.019	0.025	0.023	0.024	0.024	0.025
N2O	0.000	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*	*0.60*	*0.64*	*0.54*	*0.66*	*0.61*	*0.65*	*0.59*	*0.62*
CH4	0.001	0.000	0.001	0.001	0.000	0.001	0.001	0.001	0.001	0.001
CO2	0.704	0.392	0.594	0.641	0.539	0.655	0.609	0.646	0.588	0.619
N2O	0.002	0.001	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002
Industrial	**103.77**	**100.47**	**101.38**	**98.69**	**100.64**	**100.16**	**99.94**	**97.34**	**94.91**	**89.25**
CHP: Industrial	***11.96***	***10.60***	***10.71***	***10.68***	***13.00***	***12.52***	***12.27***	***11.23***	***10.50***	***10.22***
Useful Thermal Output	**11.96**	**10.60**	**10.71**	**10.68**	**13.00**	**12.52**	**12.27**	**11.23**	**10.50**	**10.22**
Fuel combustion - Biomass	*0.03*	*0.02*	*0.01*	*0.01*	*0.02*	*0.03*	*0.03*	*0.03*	*0.03*	*0.01*
CH4	0.009	0.007	0.004	0.004	0.008	0.010	0.010	0.010	0.010	0.002
N2O	0.017	0.014	0.008	0.008	0.015	0.019	0.020	0.020	0.019	0.005
Fuel combustion - Coal	*1.66*	*1.72*	*1.66*	*1.74*	*2.12*	*2.01*	*2.07*	*2.04*	*1.72*	*2.28*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005
CO2	1.650	1.713	1.648	1.733	2.114	1.998	2.064	2.034	1.716	2.266
N2O	0.008	0.009	0.008	0.009	0.011	0.010	0.010	0.010	0.009	0.012
Fuel combustion - Crude oil	*0.05*	*0.05*	*0.03*	*0.06*	*0.05*	*0.05*	*0.06*	*0.06*	*0.07*	*0.00*
CH4	0.000	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	0.051	0.055	0.057	0.064	0.067	0.000
N2O	0.000	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*	*0.00*
CH4	0.000	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	0.000

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

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Fuel combustion - Distillate	*0.00*	*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	0.000
CO2	0.002	0.002	0.000	0.000	0.000	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	0.000
Fuel combustion - Landfill gas	*0.00*	*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	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - MSW	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*0.01*	*0.01*	*0.03*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.013	0.010	0.008	0.028	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.001	0.000
Fuel combustion - Natural gas	*7.66*	*6.75*	*8.00*	*7.57*	*9.51*	*8.76*	*8.40*	*7.78*	*7.51*	*5.32*
CH4	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.002
CO2	7.654	6.740	7.987	7.560	9.503	8.752	8.397	7.774	7.504	5.319
N2O	0.004	0.004	0.005	0.004	0.006	0.005	0.005	0.005	0.004	0.003
Fuel combustion - Petroleum coke	*0.59*	*0.64*	*0.28*	*0.25*	*0.38*	*0.46*	*0.57*	*0.45*	*0.10*	*0.65*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
CO2	0.588	0.640	0.281	0.252	0.375	0.461	0.572	0.452	0.100	0.646
N2O	0.001	0.001	0.001	0.000	0.001	0.001	0.001	0.001	0.000	0.003
Fuel combustion - Propane	*0.00*	*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	0.000
CO2	0.000	0.000	0.000	0.000	0.000	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	0.000
Fuel combustion - Refinery gas	*1.86*	*1.36*	*0.73*	*0.88*	*0.87*	*1.12*	*1.05*	*0.76*	*1.00*	*1.93*
CH4	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
CO2	1.859	1.354	0.731	0.880	0.869	1.120	1.045	0.758	1.001	1.931
N2O	0.001	0.001	0.000	0.000	0.000	0.001	0.001	0.000	0.000	0.001
Fuel combustion - Residual fuel oil	*0.00*	*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	0.000
CO2	0.001	0.000	0.000	0.000	0.003	0.003	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	0.000
Fuel combustion - Tires	*0.01*	*0.00*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.03*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.007	0.000	0.007	0.013	0.015	0.014	0.012	0.011	0.006	0.027
N2O	0.000	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*	*0.03*	*0.05*	*0.06*	*0.08*	*0.03*	*0.00*
CH4	0.001	0.001	0.000	0.001	0.000	0.000	0.001	0.001	0.000	0.000
CO2	0.105	0.067	0.000	0.149	0.026	0.051	0.063	0.076	0.024	0.000
N2O	0.002	0.001	0.000	0.003	0.000	0.001	0.001	0.001	0.000	0.000

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California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Landfills	***6.13***	***6.21***	***6.14***	***6.23***	***6.17***	***6.47***	***6.54***	***6.49***	***6.66***	***6.70***
Not Specified	**6.13**	**6.21**	**6.14**	**6.23**	**6.17**	**6.47**	**6.54**	**6.49**	**6.66**	**6.70**
Landfill emissions - Landfill gas	*6.13*	*6.21*	*6.14*	*6.23*	*6.17*	*6.47*	*6.54*	*6.49*	*6.66*	*6.70*
CH4	6.128	6.207	6.144	6.225	6.168	6.464	6.541	6.487	6.663	6.696
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manufacturing	***30.76***	***29.57***	***31.05***	***27.41***	***27.70***	***26.97***	***27.38***	***25.46***	***24.74***	***22.57***
Chemicals & Allied Products : Alky Acid Regeneration	**0.06**	**0.06**	**0.06**	**0.06**	**0.06**	**0.06**	**0.06**	**0.06**	**0.06**	**0.06**
Process emissions	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*
CO2	0.057	0.058	0.058	0.060	0.058	0.060	0.061	0.061	0.060	0.056
Chemicals & Allied Products : Fuel Use	**4.63**	**4.07**	**3.96**	**2.59**	**3.21**	**3.80**	**3.77**	**3.12**	**3.41**	**3.94**
Fuel combustion - Natural gas	*4.63*	*4.07*	*3.96*	*2.59*	*3.21*	*3.80*	*3.77*	*3.12*	*3.41*	*3.94*
CH4	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	4.624	4.064	3.956	2.588	3.203	3.795	3.770	3.116	3.402	3.936
N2O	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Chemicals & Allied Products : Fugitives	**0.02**	**0.03**	**0.02**	**0.01**	**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*	*0.01*
CH4	0.023	0.027	0.016	0.013	0.011	0.013	0.011	0.011	0.010	0.009
Chemicals & Allied Products : Nitric Acid	**0.07**	**0.06**	**0.06**	**0.06**	**0.06**	**0.06**	**0.09**	**0.08**	**0.08**	**0.07**
Nitric acid production	*0.07*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.09*	*0.08*	*0.08*	*0.07*
N2O	0.072	0.059	0.063	0.060	0.059	0.061	0.093	0.076	0.075	0.066
Construction	**0.41**	**0.60**	**0.62**	**0.63**	**0.78**	**0.74**	**0.62**	**0.50**	**0.45**	**0.43**
Fuel combustion - Ethanol	*0.00*	*0.00*	*0.00*	*0.01*	*0.02*	*0.02*	*0.02*	*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	0.000
CO2	0.001	0.002	0.002	0.012	0.020	0.019	0.019	0.015	0.014	0.014
N2O	0.000	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*	*0.51*	*0.40*	*0.36*	*0.34*
CH4	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000
CO2	0.282	0.484	0.522	0.513	0.579	0.508	0.504	0.399	0.356	0.339
N2O	0.001	0.001	0.001	0.001	0.002	0.001	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*	*0.07*	*0.08*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.130	0.117	0.096	0.108	0.174	0.215	0.095	0.088	0.074	0.079
N2O	0.000	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**	**0.00**	**0.00**	**0.00**
Fugitive emissions	*0.00*	*0.00*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.00*	*0.00*	*0.00*
CH4	0.003	0.003	0.006	0.006	0.006	0.005	0.006	0.004	0.004	0.004

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Electric & Electronic Equip.	**0.06**	**0.04**	**0.05**	**0.03**	**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*	*0.03*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.059	0.043	0.054	0.029	0.031	0.028	0.029	0.029	0.028	0.025
N2O	0.000	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**	**0.00**
Fugitive emissions	*0.00*	*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	0.000
Electric & Electronic Equip. : Semiconductors & Related Products	**0.97**	**0.80**	**0.71**	**0.68**	**0.68**	**0.62**	**0.76**	**0.73**	**0.78**	**0.78**
Semiconductor manufacture	*0.97*	*0.80*	*0.71*	*0.68*	*0.68*	*0.62*	*0.76*	*0.73*	*0.78*	*0.78*
C2F6	0.538	0.403	0.356	0.334	0.331	0.295	0.325	0.344	0.359	0.374
C3F8	0.014	0.019	0.011	0.016	0.007	0.006	0.006	0.007	0.011	0.006
C4F8	0.000	0.000	0.008	0.013	0.013	0.018	0.018	0.010	0.010	0.008
CF4	0.228	0.251	0.180	0.168	0.178	0.115	0.125	0.137	0.148	0.159
HFC-23	0.068	0.034	0.028	0.030	0.032	0.034	0.056	0.057	0.057	0.057
NF3	0.067	0.040	0.088	0.083	0.083	0.110	0.193	0.140	0.168	0.140
SF6	0.051	0.050	0.038	0.038	0.038	0.038	0.038	0.031	0.031	0.039
Food Products	**0.29**	**0.44**	**0.47**	**0.37**	**0.25**	**0.25**	**0.31**	**0.27**	**0.22**	**0.25**
Fuel combustion - Natural gas	*0.29*	*0.44*	*0.47*	*0.37*	*0.25*	*0.25*	*0.31*	*0.27*	*0.22*	*0.25*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.292	0.441	0.465	0.374	0.252	0.249	0.305	0.275	0.219	0.245
N2O	0.000	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**	**3.12**	**2.51**	**2.47**	**2.39**	**2.86**	**2.93**	**2.58**	**2.91**
Fuel combustion - Natural gas	*3.29*	*2.88*	*3.12*	*2.51*	*2.47*	*2.39*	*2.86*	*2.93*	*2.58*	*2.91*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	3.291	2.874	3.118	2.510	2.463	2.386	2.859	2.928	2.582	2.909
N2O	0.002	0.002	0.002	0.001	0.001	0.001	0.002	0.002	0.002	0.002
Food Products : Fugitives	**0.01**	**0.01**	**0.01**	**0.01**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fugitive emissions	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.011	0.011	0.007	0.007	0.007	0.003	0.003	0.003	0.002	0.002
Food Products : Sugar & Confections	**0.38**	**0.18**	**0.21**	**0.22**	**0.43**	**0.38**	**0.13**	**0.11**	**0.07**	**0.06**
Fuel combustion - Natural gas	*0.38*	*0.18*	*0.21*	*0.22*	*0.43*	*0.38*	*0.13*	*0.11*	*0.07*	*0.06*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.377	0.179	0.206	0.220	0.430	0.378	0.134	0.110	0.065	0.061
N2O	0.000	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**	**0.42**	**0.36**	**0.32**	**0.33**	**0.36**	**0.33**	**0.30**	**0.28**
Fuel combustion - Natural gas	*0.90*	*0.39*	*0.42*	*0.36*	*0.32*	*0.33*	*0.36*	*0.33*	*0.30*	*0.28*
CH4	0.000	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 2000-2009 — 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	2009
CO2	0.902	0.389	0.420	0.356	0.318	0.333	0.361	0.332	0.299	0.283
N2O	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Metal Durables : Fabricated Metal Products	**0.68**	**0.70**	**0.72**	**0.49**	**0.52**	**0.52**	**0.51**	**0.51**	**0.46**	**0.42**
Fuel combustion - Natural gas	*0.68*	*0.70*	*0.72*	*0.49*	*0.52*	*0.52*	*0.51*	*0.51*	*0.46*	*0.42*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.677	0.703	0.721	0.491	0.518	0.524	0.506	0.505	0.460	0.415
N2O	0.000	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**	**0.12**
Fuel combustion - Natural gas	*0.15*	*0.13*	*0.13*	*0.10*	*0.14*	*0.13*	*0.14*	*0.12*	*0.13*	*0.12*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.148	0.129	0.130	0.099	0.136	0.127	0.144	0.121	0.131	0.123
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified	**4.21**	**4.96**	**5.82**	**5.39**	**4.87**	**4.10**	**4.42**	**4.27**	**4.70**	**5.13**
Fuel combustion - Coal	*1.56*	*1.45*	*1.55*	*1.58*	*1.45*	*1.57*	*1.54*	*1.70*	*1.68*	*1.65*
CH4	0.003	0.003	0.003	0.004	0.003	0.004	0.003	0.004	0.004	0.004
CO2	1.551	1.441	1.543	1.569	1.444	1.560	1.528	1.691	1.673	1.643
N2O	0.008	0.007	0.008	0.008	0.007	0.008	0.008	0.008	0.008	0.008
Fuel combustion - Distillate	*0.44*	*0.49*	*0.44*	*0.47*	*0.51*	*0.47*	*0.53*	*0.53*	*0.43*	*0.62*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
CO2	0.436	0.486	0.434	0.473	0.513	0.466	0.530	0.533	0.428	0.619
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002
Fuel combustion - Ethanol	*0.00*	*0.00*	*0.00*	*0.02*	*0.03*	*0.03*	*0.03*	*0.03*	*0.04*	*0.03*
CH4	0.000	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	0.021	0.034	0.033	0.033	0.032	0.035	0.034
N2O	0.000	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*	*0.89*	*0.86*	*0.88*	*0.83*
CH4	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.149	0.833	0.879	0.917	0.968	0.891	0.886	0.862	0.873	0.830
N2O	0.000	0.002	0.002	0.002	0.003	0.002	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*	*0.00*
CH4	0.000	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	0.001
N2O	0.000	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*	*1.08*	*1.50*
CH4	0.000	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.001
CO2	1.446	1.548	2.234	1.630	1.167	0.426	0.729	0.465	1.082	1.502
N2O	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.001	0.001
Fuel combustion - Natural gas	*0.08*	*0.08*	*0.09*	*0.23*	*0.16*	*0.14*	*0.16*	*0.14*	*0.13*	*0.12*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.075	0.080	0.088	0.225	0.159	0.139	0.161	0.142	0.134	0.120

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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	2009
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Petroleum coke	*0.53*	*0.54*	*0.61*	*0.52*	*0.55*	*0.56*	*0.53*	*0.52*	*0.44*	*0.36*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.524	0.538	0.613	0.517	0.550	0.556	0.530	0.516	0.436	0.363
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Fuel combustion - Residual fuel oil	*0.00*	*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	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.003
N2O	0.000	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**	**0.03**	**0.03**	**0.04**	**0.03**	**0.03**	**0.03**	**0.03**
Fugitive emissions	*0.04*	*0.06*	*0.03*	*0.03*	*0.03*	*0.04*	*0.03*	*0.03*	*0.03*	*0.03*
CH4	0.043	0.060	0.030	0.035	0.031	0.035	0.031	0.031	0.033	0.033
Plastics & Rubber	**0.05**	**0.06**	**0.07**	**0.02**	**0.01**	**0.01**	**0.01**	**0.01**	**0.02**	**0.01**
Fuel combustion - Natural gas	*0.05*	*0.06*	*0.07*	*0.02*	*0.01*	*0.01*	*0.01*	*0.01*	*0.02*	*0.01*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.046	0.059	0.070	0.020	0.014	0.012	0.008	0.014	0.018	0.015
N2O	0.000	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**	**0.01**
Fugitive emissions	*0.01*	*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	0.012	0.013	0.013
Plastics & Rubber : Plastics	**0.24**	**0.17**	**0.22**	**0.20**	**0.21**	**0.19**	**0.19**	**0.16**	**0.13**	**0.11**
Fuel combustion - Natural gas	*0.24*	*0.17*	*0.22*	*0.20*	*0.21*	*0.19*	*0.19*	*0.16*	*0.13*	*0.11*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.237	0.174	0.218	0.201	0.213	0.195	0.191	0.156	0.126	0.111
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Primary Metals	**0.81**	**0.78**	**0.90**	**0.75**	**0.72**	**0.60**	**0.45**	**0.52**	**0.53**	**0.36**
Fuel combustion - Natural gas	*0.81*	*0.78*	*0.90*	*0.75*	*0.72*	*0.60*	*0.45*	*0.52*	*0.53*	*0.36*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.813	0.777	0.901	0.753	0.721	0.600	0.448	0.519	0.533	0.356
N2O	0.000	0.000	0.001	0.000	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**	**0.00**
Fugitive emissions	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.002	0.003	0.001	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**	**0.06**
Fuel combustion - Natural gas	*0.13*	*0.10*	*0.11*	*0.09*	*0.09*	*0.08*	*0.08*	*0.07*	*0.07*	*0.06*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.129	0.104	0.108	0.087	0.089	0.081	0.075	0.075	0.066	0.062
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Pulp & Paper	**0.94**	**0.84**	**0.89**	**0.83**	**0.85**	**0.54**	**0.56**	**0.47**	**0.38**	**0.34**
Fuel combustion - Natural gas	*0.94*	*0.84*	*0.89*	*0.83*	*0.85*	*0.54*	*0.56*	*0.47*	*0.38*	*0.34*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.940	0.837	0.893	0.826	0.848	0.539	0.563	0.474	0.380	0.340
N2O	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Pulp & Paper : Fugitives	**0.00**	**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*	*0.00*
CH4	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.003
Stone, Clay, Glass & Cement	**0.74**	**0.49**	**0.53**	**0.38**	**0.37**	**0.38**	**0.77**	**0.67**	**0.51**	**0.35**
Fuel combustion - Natural gas	*0.74*	*0.49*	*0.53*	*0.38*	*0.37*	*0.38*	*0.77*	*0.67*	*0.51*	*0.35*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.735	0.486	0.531	0.384	0.369	0.380	0.770	0.674	0.505	0.348
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Stone, Clay, Glass & Cement : Cement	**9.40**	**9.50**	**9.60**	**9.70**	**9.80**	**9.90**	**9.73**	**9.13**	**8.64**	**5.72**
Clinker production	*5.43*	*5.52*	*5.60*	*5.68*	*5.77*	*5.85*	*5.80*	*5.55*	*5.31*	*3.60*
CO2	5.433	5.517	5.601	5.684	5.768	5.852	5.797	5.551	5.305	3.601
Fuel combustion - Biomass waste fuel	*0.00*	*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	0.000
N2O	0.001	0.001	0.001	0.001	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*	*2.56*	*2.30*	*1.44*
CH4	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.005	0.003
CO2	3.086	3.068	3.050	3.032	3.013	2.995	2.827	2.543	2.283	1.432
N2O	0.015	0.015	0.015	0.015	0.015	0.015	0.014	0.013	0.011	0.007
Fuel combustion - Distillate	*0.00*	*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	0.000
CO2	0.005	0.004	0.003	0.002	0.002	0.001	0.001	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	0.000
Fuel combustion - LPG	*0.00*	*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	0.000
CO2	0.000	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	0.000
Fuel combustion - Natural gas	*0.13*	*0.14*	*0.15*	*0.16*	*0.17*	*0.18*	*0.15*	*0.13*	*0.10*	*0.06*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.130	0.143	0.152	0.160	0.168	0.177	0.153	0.127	0.104	0.063
N2O	0.000	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*	*0.50*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
CO2	0.569	0.579	0.588	0.598	0.607	0.617	0.728	0.701	0.750	0.495
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Fuel combustion - Residual fuel oil	*0.07*	*0.07*	*0.07*	*0.08*	*0.08*	*0.08*	*0.06*	*0.03*	*0.01*	*0.00*
CH4	0.000	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	0.034	0.010	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Tires	*0.08*	*0.10*	*0.11*	*0.13*	*0.14*	*0.16*	*0.14*	*0.15*	*0.17*	*0.11*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.081	0.096	0.111	0.126	0.141	0.156	0.143	0.150	0.166	0.114
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Stone, Clay, Glass & Cement : Flat Glass	**0.00**	**0.18**	**0.25**	**0.27**	**0.30**	**0.36**	**0.00**	**0.00**	**0.00**	**0.00**
Fuel combustion - Natural gas	*0.00*	*0.18*	*0.25*	*0.27*	*0.30*	*0.36*	*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	0.000
CO2	0.001	0.176	0.246	0.271	0.300	0.358	0.003	0.002	0.002	0.001
N2O	0.000	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**	**0.01**
Fugitive emissions	*0.01*	*0.01*	*0.00*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.009	0.006	0.005	0.005	0.007	0.006	0.006	0.005	0.007	0.007
Stone, Clay, Glass & Cement : Glass Containers	**0.75**	**0.64**	**0.69**	**0.62**	**0.57**	**0.53**	**0.61**	**0.53**	**0.43**	**0.49**
Fuel combustion - Natural gas	*0.75*	*0.64*	*0.69*	*0.62*	*0.57*	*0.53*	*0.61*	*0.53*	*0.43*	*0.49*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.753	0.635	0.691	0.618	0.566	0.532	0.613	0.528	0.427	0.489
N2O	0.000	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**	**0.03**
Lime production	*0.07*	*0.07*	*0.06*	*0.06*	*0.08*	*0.07*	*0.07*	*0.05*	*0.04*	*0.03*
CO2	0.072	0.068	0.059	0.058	0.076	0.072	0.066	0.055	0.044	0.029
Storage Tanks : Fugitives	**0.00**	**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*	*0.00*
CH4	0.000	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**	**0.01**
Fuel combustion - Natural gas	*0.03*	*0.03*	*0.03*	*0.02*	*0.02*	*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	0.000
CO2	0.026	0.025	0.027	0.016	0.020	0.021	0.022	0.020	0.014	0.011
N2O	0.000	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**	**0.00**
Fuel combustion - Natural gas	*0.00*	*0.01*	*0.00*	*0.01*	*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	0.000
CO2	0.004	0.008	0.004	0.006	0.003	0.004	0.002	0.002	0.002	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Textiles : Textile Mills	**0.54**	**0.50**	**0.56**	**0.43**	**0.42**	**0.41**	**0.37**	**0.33**	**0.29**	**0.22**
Fuel combustion - Natural gas	*0.54*	*0.50*	*0.56*	*0.43*	*0.42*	*0.41*	*0.37*	*0.33*	*0.29*	*0.22*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.542	0.502	0.559	0.425	0.418	0.409	0.367	0.327	0.290	0.224
N2O	0.000	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**	**0.00**
Fuel combustion - Natural gas	*0.00*	*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	0.000
CO2	0.000	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	0.000
Transportation Equip.	**0.46**	**0.48**	**0.52**	**0.31**	**0.27**	**0.27**	**0.26**	**0.28**	**0.29**	**0.26**
Fuel combustion - Natural gas	*0.46*	*0.48*	*0.52*	*0.31*	*0.27*	*0.27*	*0.26*	*0.28*	*0.29*	*0.26*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.463	0.482	0.522	0.314	0.268	0.268	0.262	0.276	0.293	0.261
N2O	0.000	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**	**0.00**
Fugitive emissions	*0.00*	*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	0.000
Wood & Furniture : Furniture & Fixtures	**0.06**	**0.05**	**0.05**	**0.04**	**0.04**	**0.04**	**0.04**	**0.03**	**0.03**	**0.02**
Fuel combustion - Natural gas	*0.06*	*0.05*	*0.05*	*0.04*	*0.04*	*0.04*	*0.04*	*0.03*	*0.03*	*0.02*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.060	0.053	0.055	0.042	0.043	0.041	0.039	0.034	0.027	0.022
N2O	0.000	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**	**0.04**
Fuel combustion - Natural gas	*0.34*	*0.26*	*0.14*	*0.11*	*0.07*	*0.07*	*0.07*	*0.05*	*0.04*	*0.04*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.344	0.255	0.136	0.115	0.069	0.066	0.066	0.049	0.044	0.036
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mining	***0.87***	***0.31***	***0.31***	***0.34***	***0.36***	***0.34***	***0.11***	***0.16***	***0.19***	***0.15***
Coal	**0.00**	**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*	*0.00*
CH4	0.000	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	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Metals	**0.54**	**0.28**	**0.27**	**0.27**	**0.27**	**0.26**	**0.01**	**0.01**	**0.00**	**0.00**
Fuel combustion - Natural gas	*0.54*	*0.28*	*0.27*	*0.27*	*0.27*	*0.26*	*0.01*	*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	0.000
CO2	0.541	0.281	0.274	0.265	0.271	0.256	0.011	0.012	0.004	0.004

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Gross emissions & sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Non Metals	**0.33**	**0.03**	**0.03**	**0.07**	**0.09**	**0.08**	**0.09**	**0.15**	**0.19**	**0.14**
Fuel combustion - Natural gas	*0.33*	*0.03*	*0.03*	*0.07*	*0.09*	*0.08*	*0.09*	*0.15*	*0.19*	*0.14*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.330	0.031	0.035	0.070	0.091	0.084	0.094	0.149	0.185	0.141
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Not Specified Industrial	***1.80***	***1.77***	***1.98***	***1.70***	***1.91***	***2.07***	***2.09***	***2.06***	***2.04***	***1.88***
Not Specified	**1.66**	**1.62**	**1.68**	**1.56**	**1.59**	**1.59**	**1.54**	**1.60**	**1.53**	**1.38**
CO2 consumption	*0.17*	*0.10*	*0.12*	*0.16*	*0.15*	*0.16*	*0.21*	*0.23*	*0.21*	*0.21*
CO2	0.168	0.096	0.121	0.157	0.146	0.160	0.207	0.225	0.215	0.213
Fuel combustion - Other petroleum products	*0.07*	*0.19*	*0.20*	*0.19*	*0.17*	*0.17*	*0.07*	*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	0.000
CO2	0.065	0.187	0.201	0.188	0.170	0.169	0.074	0.072	0.077	0.082
N2O	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Wood (wet)	*0.07*	*0.08*	*0.05*	*0.05*	*0.05*	*0.06*	*0.05*	*0.05*	*0.05*	*0.04*
CH4	0.025	0.028	0.017	0.017	0.017	0.019	0.017	0.018	0.016	0.015
N2O	0.049	0.055	0.034	0.033	0.033	0.037	0.034	0.034	0.031	0.029
Fuel consumption - Lubricants	*0.90*	*0.82*	*0.81*	*0.75*	*0.76*	*0.76*	*0.74*	*0.76*	*0.71*	*0.64*
CO2	0.898	0.823	0.813	0.752	0.762	0.758	0.738	0.762	0.708	0.636
Limestone and dolomite consumption	*0.13*	*0.12*	*0.18*	*0.11*	*0.14*	*0.12*	*0.17*	*0.18*	*0.19*	*0.16*
CO2	0.132	0.120	0.184	0.106	0.141	0.125	0.165	0.183	0.186	0.158
Soda ash consumption	*0.32*	*0.31*	*0.31*	*0.31*	*0.32*	*0.32*	*0.31*	*0.30*	*0.29*	*0.25*
CO2	0.320	0.315	0.313	0.306	0.317	0.321	0.306	0.302	0.293	0.248
Not Specified : Fugitives	**0.14**	**0.14**	**0.30**	**0.14**	**0.32**	**0.48**	**0.54**	**0.46**	**0.51**	**0.50**
Fugitive emissions	*0.14*	*0.14*	*0.30*	*0.14*	*0.32*	*0.48*	*0.54*	*0.46*	*0.51*	*0.50*
CH4	0.141	0.141	0.297	0.141	0.324	0.480	0.544	0.464	0.514	0.504
Oil & Gas Extraction	***17.60***	***17.03***	***15.86***	***16.82***	***16.48***	***15.35***	***13.98***	***14.60***	***13.95***	***13.40***
Not Specified	**16.91**	**16.19**	**15.13**	**16.08**	**16.11**	**15.00**	**13.21**	**13.80**	**13.16**	**12.61**
Fuel combustion - Associated gas	*3.16*	*2.68*	*3.53*	*3.84*	*3.76*	*3.49*	*3.10*	*3.10*	*3.52*	*3.46*
CH4	0.001	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	3.462
N2O	0.002	0.001	0.002	0.002	0.002	0.002	0.001	0.001	0.002	0.002
Fuel combustion - Distillate	*0.06*	*0.08*	*0.11*	*0.11*	*0.12*	*0.11*	*0.09*	*0.12*	*0.12*	*0.03*
CH4	0.000	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	0.111	0.117	0.106	0.090	0.123	0.124	0.028
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*13.69*	*13.26*	*11.43*	*12.13*	*12.23*	*11.40*	*10.02*	*10.58*	*9.34*	*9.12*
CH4	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003
CO2	13.675	13.244	11.421	12.116	12.221	11.390	10.012	10.566	9.327	9.112

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
N2O	0.008	0.008	0.007	0.007	0.007	0.007	0.006	0.006	0.005	0.005
Fuel combustion - Residual fuel oil	*0.00*	*0.18*	*0.07*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.18*	*0.00*
CH4	0.000	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	0.182	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Gas Seeps : Fugitives	**0.35**	**0.45**	**0.46**	**0.46**	**0.08**	**0.08**	**0.49**	**0.52**	**0.52**	**0.52**
Fugitive emissions	*0.35*	*0.45*	*0.46*	*0.46*	*0.08*	*0.08*	*0.49*	*0.52*	*0.52*	*0.52*
CH4	0.347	0.454	0.464	0.464	0.082	0.082	0.493	0.521	0.521	0.521
Process Losses : Fugitives	**0.24**	**0.22**	**0.18**	**0.20**	**0.18**	**0.18**	**0.18**	**0.18**	**0.17**	**0.17**
Fugitive emissions	*0.24*	*0.22*	*0.18*	*0.20*	*0.18*	*0.18*	*0.18*	*0.18*	*0.17*	*0.17*
CH4	0.244	0.219	0.183	0.197	0.181	0.182	0.180	0.177	0.174	0.173
Storage Tanks : Fugitives	**0.10**	**0.16**	**0.09**	**0.08**	**0.10**	**0.09**	**0.10**	**0.10**	**0.09**	**0.10**
Fugitive emissions	*0.10*	*0.16*	*0.09*	*0.08*	*0.10*	*0.09*	*0.10*	*0.10*	*0.09*	*0.10*
CH4	0.096	0.159	0.085	0.077	0.104	0.085	0.099	0.101	0.093	0.096
Wastewater Treatment : Fugitives	**0.00**	**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*	*0.00*
CH4	0.000	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***	***0.00***
Process Losses : Fugitives	**0.00**	**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*	*0.00*
CH4	0.002	0.003	0.000	0.000	0.000	0.003	0.003	0.001	0.000	0.001
Storage Tanks : Fugitives	**0.01**	**0.00**	**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*	*0.00*
CH4	0.006	0.004	0.002	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**	**0.00**
Fugitive emissions	*0.00*	*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	0.000
Petroleum Refining	***29.25***	***29.77***	***29.92***	***30.57***	***29.74***	***30.87***	***31.99***	***31.62***	***31.12***	***28.66***
Not Specified	**23.16**	**23.71**	**23.78**	**24.55**	**23.76**	**24.82**	**25.51**	**25.04**	**24.48**	**22.95**
Acid gas control	*0.29*	*0.30*	*0.30*	*0.31*	*0.30*	*0.31*	*0.32*	*0.31*	*0.31*	*0.29*
CO2	0.294	0.301	0.303	0.309	0.301	0.310	0.318	0.315	0.311	0.288
Catalyst regeneration - Catalyst coke	*4.73*	*4.71*	*4.76*	*4.94*	*5.02*	*5.02*	*5.04*	*4.67*	*4.20*	*5.80*
CO2	4.727	4.711	4.761	4.940	5.019	5.023	5.035	4.669	4.201	5.802
Flaring	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*
CH4	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
CO2	0.050	0.051	0.051	0.052	0.051	0.052	0.054	0.053	0.052	0.049
N2O	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.005	0.005

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Fuel combustion - Digester gas	*0.00*	*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	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Distillate	*0.00*	*0.02*	*0.00*	*0.00*	*0.00*	*0.07*	*0.03*	*0.03*	*0.05*	*0.01*
CH4	0.000	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	0.010
N2O	0.000	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*	*0.39*	*0.42*	*0.25*	*0.24*	*0.25*	*0.00*
CH4	0.000	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	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Natural gas	*1.71*	*1.54*	*1.82*	*1.87*	*1.91*	*1.97*	*1.96*	*2.04*	*2.14*	*2.29*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	1.711	1.540	1.822	1.869	1.907	1.967	1.957	2.035	2.142	2.284
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Fuel combustion - Petroleum coke	*0.40*	*0.40*	*0.39*	*0.42*	*0.43*	*0.84*	*2.08*	*2.19*	*2.31*	*0.22*
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	0.222
N2O	0.001	0.001	0.001	0.001	0.001	0.002	0.004	0.004	0.004	
Fuel combustion - Process gas	*0.34*	*0.34*	*0.35*	*0.35*	*0.34*	*0.35*	*0.36*	*0.36*	*0.35*	*0.33*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.335	0.342	0.345	0.352	0.342	0.353	0.362	0.358	0.354	0.328
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Refinery gas	*15.06*	*15.59*	*15.76*	*16.02*	*15.24*	*15.72*	*15.34*	*15.09*	*14.73*	*13.89*
CH4	0.004	0.005	0.005	0.005	0.004	0.005	0.005	0.004	0.004	0.010
CO2	15.050	15.575	15.743	16.003	15.231	15.705	15.331	15.075	14.723	13.864
N2O	0.007	0.008	0.008	0.008	0.007	0.008	0.007	0.007	0.007	0.017
Fuel combustion - Residual fuel oil	*0.00*	*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	0.000
CO2	0.002	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	0.000
Process emissions	*0.06*	*0.06*	*0.07*	*0.07*	*0.06*	*0.07*	*0.07*	*0.07*	*0.07*	*0.06*
CH4	0.022	0.022	0.022	0.023	0.022	0.023	0.023	0.023	0.023	0.021
CO2	0.042	0.043	0.043	0.044	0.043	0.044	0.045	0.045	0.044	0.041
Process Losses : Fugitives	**0.04**	**0.02**	**0.02**	**0.01**	**0.01**	**0.02**	**0.02**	**0.02**	**0.01**	**0.01**
Fugitive emissions	*0.04*	*0.02*	*0.02*	*0.01*	*0.01*	*0.02*	*0.02*	*0.02*	*0.01*	*0.01*
CH4	0.038	0.017	0.016	0.013	0.010	0.017	0.017	0.017	0.014	0.007
Storage Tanks : Fugitives	**0.02**	**0.01**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.02**
Fugitive emissions	*0.02*	*0.01*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.02*
CH4	0.015	0.008	0.013	0.005	0.002	0.003	0.003	0.002	0.002	0.023

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Transformation	**6.04**	**6.04**	**6.11**	**6.00**	**5.97**	**6.03**	**6.46**	**6.56**	**6.62**	**5.68**
Fuel consumption - Natural gas	*3.02*	*3.08*	*3.13*	*3.07*	*3.06*	*3.09*	*3.31*	*3.35*	*3.41*	*3.29*
CO2	3.025	3.084	3.129	3.074	3.058	3.090	3.312	3.347	3.412	3.288
Fuel consumption - Petroleum feedstocks	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CO2	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Fuel consumption - Refinery gas	*3.01*	*2.95*	*2.98*	*2.93*	*2.91*	*2.93*	*3.15*	*3.21*	*3.21*	*2.39*
CO2	3.009	2.950	2.982	2.927	2.912	2.934	3.145	3.210	3.210	2.391
Pipelines	***2.33***	***2.14***	***2.30***	***1.84***	***2.11***	***2.39***	***2.37***	***2.48***	***2.45***	***2.38***
Natural Gas : Fugitives	**1.76**	**1.48**	**1.70**	**1.32**	**1.35**	**1.74**	**1.93**	**1.92**	**1.94**	**1.96**
Fugitive emissions	*1.76*	*1.48*	*1.70*	*1.32*	*1.35*	*1.74*	*1.93*	*1.92*	*1.94*	*1.96*
CH4	1.758	1.476	1.699	1.323	1.349	1.737	1.929	1.924	1.939	1.956
Natural Gas Pipelines	**0.50**	**0.59**	**0.52**	**0.47**	**0.70**	**0.58**	**0.38**	**0.48**	**0.42**	**0.34**
Fuel combustion - Natural gas	*0.50*	*0.59*	*0.52*	*0.47*	*0.70*	*0.58*	*0.38*	*0.48*	*0.42*	*0.34*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.501	0.586	0.518	0.468	0.699	0.583	0.380	0.481	0.423	0.343
N2O	0.000	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**	**0.08**
Fuel combustion - Natural gas	*0.07*	*0.08*	*0.08*	*0.04*	*0.06*	*0.07*	*0.06*	*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	0.000
CO2	0.067	0.078	0.081	0.045	0.063	0.072	0.056	0.078	0.088	0.082
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Solid Waste Treatment	***0.42***	***0.44***	***0.46***	***0.48***	***0.51***	***0.53***	***0.55***	***0.57***	***0.60***	***0.62***
Composting	**0.42**	**0.44**	**0.46**	**0.48**	**0.51**	**0.53**	**0.55**	**0.57**	**0.60**	**0.62**
Feedstock processed	*0.42*	*0.44*	*0.46*	*0.48*	*0.51*	*0.53*	*0.55*	*0.57*	*0.60*	*0.62*
CH4	0.315	0.332	0.349	0.366	0.383	0.400	0.417	0.434	0.451	0.468
N2O	0.102	0.108	0.113	0.119	0.124	0.130	0.135	0.141	0.146	0.152
Wastewater Treatment	***2.65***	***2.62***	***2.63***	***2.63***	***2.66***	***2.65***	***2.67***	***2.67***	***2.66***	***2.66***
Domestic Wastewater : Anaerobic Digesters	**0.02**	**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*	*0.02*
CH4	0.020	0.020	0.020	0.021	0.021	0.021	0.021	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**	**0.00**
California population	*0.00*	*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	0.000
Domestic Wastewater : Centralized Anaerobic	**0.48**	**0.47**	**0.45**	**0.44**	**0.43**	**0.41**	**0.40**	**0.38**	**0.36**	**0.35**
California population	*0.48*	*0.47*	*0.45*	*0.44*	*0.43*	*0.41*	*0.40*	*0.38*	*0.36*	*0.35*
CH4	0.480	0.467	0.454	0.441	0.427	0.412	0.396	0.380	0.364	0.348

California Greenhouse Gas Inventory for 2000-2009 — by Sector and Activity

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Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Domestic Wastewater : Effluent Emissions	**0.65**	**0.67**	**0.66**	**0.67**	**0.68**	**0.70**	**0.71**	**0.71**	**0.72**	**0.73**
California population	*0.65*	*0.67*	*0.66*	*0.67*	*0.68*	*0.70*	*0.71*	*0.71*	*0.72*	*0.73*
N2O	0.651	0.670	0.661	0.669	0.684	0.701	0.705	0.713	0.724	0.731
Domestic Wastewater : Plant Emissions	**0.04**	**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*	*0.04*
N2O	0.038	0.039	0.039	0.040	0.040	0.040	0.041	0.041	0.041	0.042
Domestic Wastewater : Septic Systems	**0.70**	**0.71**	**0.72**	**0.73**	**0.74**	**0.74**	**0.75**	**0.75**	**0.76**	**0.77**
California population	*0.70*	*0.71*	*0.72*	*0.73*	*0.74*	*0.74*	*0.75*	*0.75*	*0.76*	*0.77*
CH4	0.701	0.709	0.719	0.728	0.737	0.743	0.748	0.754	0.760	0.766
Industrial Wastewater	**0.76**	**0.72**	**0.74**	**0.73**	**0.75**	**0.74**	**0.76**	**0.76**	**0.75**	**0.76**
Production processed - Apples	*0.00*	*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	0.000
Production processed - Citrus fruit	*0.00*	*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	0.003	0.003
Production processed - Non-citrus fruit	*0.05*	*0.04*	*0.05*	*0.04*	*0.04*	*0.05*	*0.04*	*0.05*	*0.05*	*0.05*
CH4	0.050	0.044	0.048	0.044	0.044	0.048	0.043	0.047	0.049	0.049
Production processed - Other vegetables	*0.05*	*0.05*	*0.06*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
CH4	0.050	0.046	0.056	0.048	0.055	0.050	0.051	0.055	0.050	0.052
Production processed - Potatoes	*0.00*	*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	0.004
Production processed - Poultry	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.05*	*0.05*	*0.05*	*0.05*
CH4	0.044	0.045	0.045	0.044	0.045	0.044	0.045	0.046	0.046	0.045
Production processed - Pulp and Paper	*0.51*	*0.48*	*0.48*	*0.48*	*0.50*	*0.48*	*0.50*	*0.49*	*0.49*	*0.50*
CH4	0.514	0.484	0.480	0.479	0.497	0.478	0.498	0.492	0.487	0.495
Production processed - Red meat	*0.03*	*0.03*	*0.04*	*0.04*	*0.04*	*0.04*	*0.05*	*0.05*	*0.05*	*0.05*
CH4	0.030	0.032	0.038	0.040	0.040	0.041	0.045	0.047	0.048	0.048
Production processed - Wine grapes	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*0.00*	*0.00*	*0.00*	*0.01*
CH4	0.005	0.004	0.005	0.004	0.004	0.006	0.005	0.005	0.004	0.005
Wastewater flow - Petroleum Refining	*0.06*	*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	0.060	0.056
Commercial	**12.80**	**12.38**	**14.19**	**13.02**	**13.34**	**12.96**	**13.26**	**13.32**	**13.41**	**14.34**
CHP: Commercial	***1.11***	***1.05***	***1.07***	***0.26***	***0.62***	***0.40***	***0.42***	***0.49***	***0.37***	***0.92***
Useful Thermal Output	**1.11**	**1.05**	**1.07**	**0.26**	**0.62**	**0.40**	**0.42**	**0.49**	**0.37**	**0.92**
Fuel combustion - Crude oil	*0.00*	*0.00*	*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	0.000
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	0.000
N2O	0.000	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*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2009 — by Sector and Activity

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

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
N2O	0.000	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*	*0.00*
CH4	0.000	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	0.000
N2O	0.000	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*	*0.00*
CH4	0.000	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	0.000
N2O	0.000	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*	*0.00*
CH4	0.000	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	0.000
N2O	0.000	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*	*0.00*
CH4	0.000	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	0.000
Fuel combustion - Natural gas	*1.11*	*1.05*	*1.07*	*0.26*	*0.62*	*0.40*	*0.42*	*0.48*	*0.37*	*0.92*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	1.108	1.053	1.065	0.262	0.624	0.402	0.418	0.480	0.372	0.922
N2O	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.001
Fuel combustion - Propane	*0.00*	*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	0.000
CO2	0.000	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	0.000
Communication	***0.20***	***0.17***	***0.20***	***0.19***	***0.19***	***0.17***	***0.19***	***0.18***	***0.17***	***0.17***
Other Message Communications	**0.14**	**0.13**	**0.15**	**0.15**	**0.15**	**0.14**	**0.16**	**0.15**	**0.14**	**0.14**
Fuel combustion - Natural gas	*0.14*	*0.13*	*0.15*	*0.15*	*0.15*	*0.14*	*0.16*	*0.15*	*0.14*	*0.14*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.141	0.128	0.153	0.145	0.153	0.140	0.155	0.149	0.136	0.135
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Radio Broadcasting Stations	**0.01**	**0.00**	**0.00**	**0.01**	**0.01**	**0.00**	**0.01**	**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*	*0.01*
CH4	0.000	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	0.006
N2O	0.000	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**	**0.01**
Fuel combustion - Natural gas	*0.03*	*0.03*	*0.03*	*0.02*	*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	0.000
CO2	0.029	0.025	0.026	0.016	0.014	0.015	0.014	0.009	0.009	0.010
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
U.S. Postal Service	**0.02**	**0.02**	**0.02**	**0.02**	**0.01**	**0.01**	**0.01**	**0.02**	**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*	*0.02*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.017	0.017	0.019	0.017	0.014	0.007	0.012	0.015	0.016	0.017
N2O	0.000	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***	***0.29***	***0.30***	***0.30***	***0.30***
Sewerage Systems	**0.00**	**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*	*0.00*
CH4	0.000	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	0.000
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Water Supply	**0.25**	**0.18**	**0.17**	**0.37**	**0.32**	**0.23**	**0.29**	**0.30**	**0.30**	**0.30**
Fuel combustion - Natural gas	*0.25*	*0.18*	*0.17*	*0.37*	*0.32*	*0.23*	*0.29*	*0.30*	*0.30*	*0.30*
CH4	0.000	0.000	0.000	0.001	0.001	0.000	0.001	0.001	0.001	0.001
CO2	0.252	0.175	0.165	0.368	0.324	0.229	0.291	0.297	0.304	0.296
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Education	***1.25***	***1.07***	***1.24***	***1.09***	***1.09***	***1.07***	***1.12***	***1.09***	***1.01***	***1.07***
College	**0.67**	**0.54**	**0.63**	**0.57**	**0.58**	**0.60**	**0.57**	**0.56**	**0.50**	**0.55**
Fuel combustion - Natural gas	*0.67*	*0.54*	*0.63*	*0.57*	*0.58*	*0.60*	*0.57*	*0.56*	*0.50*	*0.55*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.670	0.536	0.633	0.571	0.578	0.601	0.573	0.557	0.497	0.552
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
School	**0.57**	**0.53**	**0.60**	**0.52**	**0.51**	**0.47**	**0.54**	**0.53**	**0.51**	**0.51**
Fuel combustion - Natural gas	*0.57*	*0.53*	*0.60*	*0.52*	*0.51*	*0.47*	*0.54*	*0.53*	*0.51*	*0.51*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.573	0.533	0.601	0.520	0.508	0.470	0.542	0.534	0.511	0.513
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Food Services	***1.94***	***1.97***	***2.48***	***2.30***	***2.27***	***2.29***	***2.46***	***2.42***	***2.29***	***2.30***
Food & Liquor	**0.03**	**0.18**	**0.20**	**0.72**	**0.60**	**0.58**	**0.53**	**0.50**	**0.48**	**0.49**
Fuel combustion - Natural gas	*0.03*	*0.18*	*0.20*	*0.72*	*0.60*	*0.58*	*0.53*	*0.50*	*0.48*	*0.49*
CH4	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.026	0.178	0.198	0.714	0.603	0.580	0.526	0.499	0.481	0.487
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Restaurant	**1.91**	**1.79**	**2.28**	**1.59**	**1.67**	**1.71**	**1.93**	**1.92**	**1.81**	**1.82**
Fuel combustion - Natural gas	*1.91*	*1.79*	*2.28*	*1.59*	*1.67*	*1.71*	*1.93*	*1.92*	*1.81*	*1.82*
CH4	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003
CO2	1.905	1.787	2.274	1.585	1.665	1.708	1.930	1.917	1.808	1.811
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Health Care	***1.41***	***1.42***	***1.65***	***1.47***	***1.43***	***1.43***	***1.51***	***1.49***	***1.44***	***1.50***
Not Specified	**1.41**	**1.42**	**1.65**	**1.47**	**1.43**	**1.43**	**1.51**	**1.49**	**1.44**	**1.50**
Fuel combustion - Natural gas	*1.41*	*1.42*	*1.65*	*1.47*	*1.43*	*1.43*	*1.51*	*1.49*	*1.44*	*1.50*
CH4	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
CO2	1.410	1.414	1.647	1.470	1.429	1.425	1.511	1.483	1.432	1.500
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Hotels	***0.65***	***0.67***	***0.78***	***0.69***	***0.67***	***0.68***	***0.74***	***0.75***	***0.84***	***0.73***
Not Specified	**0.65**	**0.67**	**0.78**	**0.69**	**0.67**	**0.68**	**0.74**	**0.75**	**0.84**	**0.73**
Fuel combustion - Natural gas	*0.65*	*0.67*	*0.78*	*0.69*	*0.67*	*0.68*	*0.74*	*0.75*	*0.84*	*0.73*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.645	0.664	0.774	0.689	0.673	0.680	0.743	0.747	0.835	0.730
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
National Security	***0.21***	***0.31***	***0.21***	***0.19***	***0.20***	***0.18***	***0.21***	***0.20***	***0.17***	***0.18***
Not Specified	**0.21**	**0.31**	**0.21**	**0.19**	**0.20**	**0.18**	**0.21**	**0.20**	**0.17**	**0.18**
Fuel combustion - Natural gas	*0.21*	*0.31*	*0.21*	*0.19*	*0.20*	*0.18*	*0.21*	*0.20*	*0.17*	*0.18*
CH4	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.206	0.307	0.207	0.191	0.197	0.184	0.207	0.195	0.170	0.176
N2O	0.000	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***	***4.49***	***4.64***	***4.73***	***4.71***	***4.36***	***4.38***	***4.64***	***4.91***
Not Specified	**4.00**	**4.00**	**4.49**	**4.64**	**4.73**	**4.71**	**4.36**	**4.38**	**4.64**	**4.91**
Fuel combustion - Coal	*0.05*	*0.00*	*0.00*	*0.00*	*0.02*	*0.04*	*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	0.000
CO2	0.049	0.000	0.000	0.000	0.017	0.042	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	0.000
Fuel combustion - Distillate	*0.85*	*0.81*	*0.79*	*0.72*	*0.65*	*0.88*	*0.67*	*0.75*	*1.05*	*1.36*
CH4	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.003	0.004
CO2	0.849	0.801	0.790	0.719	0.647	0.876	0.670	0.747	1.043	1.350
N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003
Fuel combustion - Ethanol	*0.00*	*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	0.000
CO2	0.000	0.000	0.000	0.002	0.003	0.003	0.003	0.003	0.004	0.004
N2O	0.000	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*	*0.09*
CH4	0.000	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	0.087	0.086	0.089	0.091	0.091	0.092
N2O	0.000	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*	*0.01*
CH4	0.000	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	0.007

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

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
N2O	0.000	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*	*0.51*
CH4	0.001	0.000	0.001	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	0.505
N2O	0.000	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*	*3.23*	*3.22*	*3.14*	*3.05*	*3.10*	*3.00*	*2.83*	*2.91*
CH4	0.004	0.005	0.006	0.006	0.006	0.005	0.006	0.005	0.005	0.005
CO2	2.545	2.740	3.219	3.213	3.134	3.047	3.094	2.990	2.818	2.898
N2O	0.001	0.002	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*	*0.00*
CH4	0.000	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	0.000
N2O	0.000	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*	*0.03*
CH4	0.039	0.039	0.040	0.042	0.041	0.026	0.024	0.026	0.027	0.027
N2O	0.008	0.008	0.008	0.008	0.008	0.005	0.005	0.005	0.005	0.005
Offices	***0.78***	***0.55***	***0.66***	***0.67***	***0.70***	***0.68***	***0.72***	***0.63***	***0.70***	***0.70***
Not Specified	**0.78**	**0.55**	**0.66**	**0.67**	**0.70**	**0.68**	**0.72**	**0.63**	**0.70**	**0.70**
Fuel combustion - Natural gas	*0.78*	*0.55*	*0.66*	*0.67*	*0.70*	*0.68*	*0.72*	*0.63*	*0.70*	*0.70*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.780	0.548	0.656	0.669	0.695	0.682	0.722	0.626	0.697	0.697
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Retail & Wholesale	***0.83***	***0.87***	***1.13***	***1.03***	***1.01***	***1.02***	***1.11***	***1.06***	***0.96***	***1.04***
Refrigerated Warehousing	**0.09**	**0.11**	**0.14**	**0.09**	**0.10**	**0.10**	**0.09**	**0.09**	**0.08**	**0.08**
Fuel combustion - Natural gas	*0.09*	*0.11*	*0.14*	*0.09*	*0.10*	*0.10*	*0.09*	*0.09*	*0.08*	*0.08*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.086	0.108	0.137	0.094	0.096	0.095	0.088	0.086	0.076	0.077
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Retail	**0.50**	**0.55**	**0.73**	**0.67**	**0.68**	**0.66**	**0.74**	**0.73**	**0.68**	**0.74**
Fuel combustion - Natural gas	*0.50*	*0.55*	*0.73*	*0.67*	*0.68*	*0.66*	*0.74*	*0.73*	*0.68*	*0.74*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.503	0.544	0.727	0.670	0.674	0.660	0.740	0.727	0.683	0.740
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Warehousing	**0.24**	**0.21**	**0.26**	**0.26**	**0.24**	**0.26**	**0.28**	**0.24**	**0.20**	**0.22**
Fuel combustion - Natural gas	*0.24*	*0.21*	*0.26*	*0.26*	*0.24*	*0.26*	*0.28*	*0.24*	*0.20*	*0.22*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.240	0.211	0.262	0.263	0.240	0.258	0.275	0.240	0.199	0.221
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Environmental Protection Agency
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Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Transportation Services	***0.18***	***0.13***	***0.13***	***0.11***	***0.10***	***0.09***	***0.12***	***0.34***	***0.51***	***0.52***
Airports	**0.09**	**0.03**	**0.05**	**0.05**	**0.04**	**0.04**	**0.07**	**0.07**	**0.05**	**0.05**
Fuel combustion - Natural gas	*0.09*	*0.03*	*0.05*	*0.05*	*0.04*	*0.04*	*0.07*	*0.07*	*0.05*	*0.05*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.087	0.034	0.050	0.049	0.044	0.042	0.072	0.069	0.054	0.051
N2O	0.000	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**	**0.46**	**0.46**
Fuel combustion - Natural gas	*0.09*	*0.09*	*0.08*	*0.06*	*0.05*	*0.04*	*0.05*	*0.27*	*0.46*	*0.46*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001
CO2	0.089	0.088	0.079	0.062	0.050	0.044	0.047	0.271	0.455	0.462
N2O	0.000	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**	**0.01**
Fuel combustion - Natural gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*
CH4	0.000	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	0.005
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Residential	**30.12**	**28.61**	**28.77**	**28.31**	**29.34**	**28.08**	**28.40**	**28.60**	**28.13**	**28.61**
Household Use	***30.12***	***28.61***	***28.77***	***28.31***	***29.34***	***28.08***	***28.40***	***28.60***	***28.13***	***28.61***
Not Specified	**30.12**	**28.61**	**28.77**	**28.31**	**29.34**	**28.08**	**28.40**	**28.60**	**28.13**	**28.61**
Fuel combustion - Coal	*0.01*	*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	0.000
CO2	0.006	0.000	0.000	0.000	0.002	0.004	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	0.000
Fuel combustion - Distillate	*0.07*	*0.08*	*0.05*	*0.05*	*0.06*	*0.07*	*0.07*	*0.04*	*0.06*	*0.14*
CH4	0.000	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	0.054	0.055	0.069	0.069	0.039	0.058	0.139
N2O	0.000	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*	*0.07*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CO2	0.115	0.143	0.089	0.080	0.113	0.124	0.117	0.062	0.038	0.068
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Fuel combustion - LPG	*1.13*	*0.78*	*0.91*	*1.30*	*1.58*	*1.79*	*1.57*	*1.66*	*2.04*	*1.92*
CH4	0.002	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003
CO2	1.133	0.777	0.905	1.297	1.575	1.791	1.563	1.658	2.036	1.911
N2O	0.001	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Fuel combustion - Natural gas	*28.51*	*27.34*	*27.45*	*26.58*	*27.29*	*25.89*	*26.47*	*26.64*	*25.79*	*26.30*
CH4	0.050	0.049	0.049	0.047	0.049	0.046	0.047	0.047	0.046	0.047
CO2	28.448	27.274	27.386	26.521	27.227	25.826	26.409	26.574	25.729	26.233
N2O	0.016	0.016	0.016	0.016	0.016	0.015	0.015	0.016	0.015	0.015

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Gross emissions & sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Fuel combustion - Wood (wet)	*0.29*	*0.27*	*0.27*	*0.29*	*0.29*	*0.20*	*0.18*	*0.20*	*0.20*	*0.20*
CH4	0.239	0.224	0.227	0.239	0.245	0.163	0.148	0.164	0.171	0.164
N2O	0.047	0.044	0.045	0.047	0.048	0.032	0.029	0.032	0.034	0.032
Agriculture & Forestry	**29.13**	**29.29**	**32.45**	**30.85**	**32.53**	**32.80**	**33.94**	**33.10**	**33.87**	**32.32**
Ag Energy Use	***3.82***	***3.81***	***4.37***	***4.35***	***4.50***	***4.60***	***5.30***	***3.78***	***3.87***	***2.65***
Crop Production	**0.91**	**0.63**	**0.80**	**0.74**	**0.72**	**0.59**	**0.81**	**0.70**	**0.64**	**0.62**
Fuel combustion - Natural gas	*0.91*	*0.63*	*0.80*	*0.74*	*0.72*	*0.59*	*0.81*	*0.70*	*0.64*	*0.62*
CH4	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CO2	0.908	0.631	0.802	0.735	0.716	0.593	0.806	0.702	0.642	0.623
N2O	0.001	0.000	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**	**0.08**
Fuel combustion - Natural gas	*0.09*	*0.08*	*0.09*	*0.08*	*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	0.000
CO2	0.085	0.079	0.090	0.078	0.073	0.067	0.069	0.081	0.072	0.075
N2O	0.000	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**	**3.54**	**3.71**	**3.94**	**4.43**	**3.00**	**3.15**	**1.95**
Fuel combustion - Distillate	*2.51*	*2.68*	*3.02*	*3.09*	*3.15*	*3.38*	*3.85*	*2.66*	*2.98*	*1.77*
CH4	0.007	0.008	0.009	0.009	0.009	0.010	0.011	0.008	0.009	0.005
CO2	2.492	2.662	3.008	3.072	3.136	3.365	3.825	2.650	2.961	1.762
N2O	0.006	0.007	0.008	0.008	0.008	0.009	0.010	0.007	0.008	0.004
Fuel combustion - Ethanol	*0.00*	*0.00*	*0.00*	*0.01*	*0.02*	*0.02*	*0.02*	*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	0.000
CO2	0.001	0.001	0.002	0.009	0.018	0.019	0.020	0.012	0.007	0.007
N2O	0.000	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*	*0.51*	*0.50*	*0.55*	*0.32*	*0.16*	*0.17*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.000	0.000
CO2	0.306	0.376	0.402	0.401	0.502	0.500	0.548	0.314	0.163	0.164
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000
Fuel combustion - Kerosene	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*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	0.000
CO2	0.006	0.005	0.003	0.003	0.005	0.005	0.007	0.003	0.002	0.003
N2O	0.000	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*	*0.00*
CH4	0.000	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	0.003
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Ag Residue Burning	***0.08***	***0.06***	***0.06***	***0.06***	***0.06***	***0.07***	***0.06***	***0.07***	***0.07***	***0.07***
Field Crops	**0.04**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**	**0.02**
Crop acreage burned - Barley	*0.00*	*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	0.000
N2O	0.000	0.000	0.000	0.000	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*	*0.00*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.001	0.001
N2O	0.001	0.001	0.001	0.000	0.001	0.000	0.000	0.001	0.001	0.001
Crop acreage burned - Rice	*0.03*	*0.01*	*0.01*	*0.01*	*0.01*	*0.02*	*0.01*	*0.02*	*0.01*	*0.01*
CH4	0.006	0.003	0.003	0.003	0.003	0.003	0.002	0.004	0.002	0.003
N2O	0.025	0.012	0.012	0.012	0.011	0.014	0.009	0.014	0.010	0.010
Crop acreage burned - Wheat	*0.01*	*0.01*	*0.00*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*0.01*
CH4	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.002	0.003	0.003
N2O	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.003	0.003
Orchard & Vineyard	**0.04**	**0.04**	**0.04**	**0.04**	**0.04**	**0.04**	**0.05**	**0.05**	**0.05**	**0.05**
Crop acreage burned - Almond	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.04*	*0.04*	*0.04*
CH4	0.008	0.008	0.009	0.009	0.009	0.009	0.010	0.010	0.011	0.011
N2O	0.020	0.021	0.022	0.022	0.023	0.024	0.024	0.025	0.027	0.029
Crop acreage burned - Walnut	*0.01*	*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	0.004	0.004	0.004	0.004	0.004	0.004	0.004
N2O	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008
Ag Soil Management	***7.90***	***7.49***	***9.50***	***9.30***	***9.43***	***9.06***	***9.16***	***8.62***	***9.15***	***9.03***
Crop Residues : Direct	**0.38**	**0.37**	**0.40**	**0.39**	**0.40**	**0.37**	**0.37**	**0.40**	**0.45**	**0.42**
Nitrogen in crop residues	*0.38*	*0.37*	*0.40*	*0.39*	*0.40*	*0.37*	*0.37*	*0.40*	*0.45*	*0.42*
N2O	0.383	0.370	0.400	0.390	0.400	0.374	0.371	0.399	0.450	0.420
Fertilizer : Direct	**2.99**	**2.73**	**4.11**	**4.07**	**4.07**	**3.66**	**3.56**	**3.29**	**3.78**	**3.78**
Nitrogen applied in fertilizer - Organic fertilizers	*0.04*	*0.01*	*0.02*	*0.03*	*0.01*	*0.02*	*0.01*	*0.00*	*0.01*	*0.01*
N2O	0.044	0.013	0.021	0.028	0.011	0.016	0.010	0.004	0.014	0.014
Nitrogen applied in fertilizer - Synthetic fertilizers	*2.95*	*2.72*	*4.09*	*4.04*	*4.06*	*3.64*	*3.55*	*3.28*	*3.77*	*3.77*
N2O	2.951	2.716	4.089	4.043	4.060	3.644	3.550	3.282	3.767	3.767
Fertilizer : Indirect	**0.98**	**0.89**	**1.34**	**1.33**	**1.32**	**1.19**	**1.16**	**1.07**	**1.23**	**1.23**
Nitrogen applied in fertilizer - Organic fertilizers	*0.02*	*0.01*	*0.01*	*0.01*	*0.00*	*0.01*	*0.00*	*0.00*	*0.01*	*0.01*
N2O	0.019	0.006	0.009	0.012	0.005	0.007	0.004	0.002	0.006	0.006
Nitrogen applied in fertilizer - Synthetic fertilizers	*0.96*	*0.88*	*1.33*	*1.31*	*1.32*	*1.18*	*1.15*	*1.07*	*1.22*	*1.22*
N2O	0.959	0.883	1.329	1.314	1.320	1.184	1.154	1.067	1.224	1.224
Liming	**0.27**	**0.16**	**0.23**	**0.24**	**0.24**	**0.30**	**0.48**	**0.26**	**0.17**	**0.17**
Dolomite applied to soils	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*
CO2	0.003	0.001	0.002	0.002	0.008	0.007	0.002	0.001	0.001	0.001

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Limestone applied to soils	*0.26*	*0.16*	*0.23*	*0.24*	*0.23*	*0.29*	*0.48*	*0.26*	*0.17*	*0.17*
CO2	0.263	0.161	0.231	0.236	0.227	0.291	0.483	0.255	0.170	0.169
Manure : Direct	**2.50**	**2.54**	**2.60**	**2.50**	**2.59**	**2.69**	**2.72**	**2.75**	**2.67**	**2.61**
Nitrogen in managed manure	*1.04*	*1.07*	*1.12*	*1.03*	*1.09*	*1.12*	*1.16*	*1.16*	*1.14*	*1.13*
N2O	1.037	1.072	1.116	1.034	1.092	1.123	1.160	1.165	1.142	1.127
Nitrogen in unmanaged manure - Cattle, swine, poultry	*1.34*	*1.35*	*1.36*	*1.32*	*1.35*	*1.40*	*1.40*	*1.42*	*1.37*	*1.32*
N2O	1.343	1.352	1.360	1.322	1.346	1.400	1.398	1.421	1.374	1.317
Nitrogen in unmanaged manure - Sheep, goat, horse	*0.12*	*0.12*	*0.13*	*0.14*	*0.15*	*0.16*	*0.17*	*0.16*	*0.16*	*0.16*
N2O	0.119	0.121	0.126	0.138	0.150	0.165	0.166	0.162	0.160	0.161
Manure : Indirect	**0.78**	**0.79**	**0.82**	**0.78**	**0.81**	**0.84**	**0.86**	**0.87**	**0.84**	**0.83**
Nitrogen in managed manure	*0.44*	*0.46*	*0.47*	*0.44*	*0.46*	*0.48*	*0.49*	*0.50*	*0.49*	*0.48*
N2O	0.441	0.456	0.474	0.440	0.464	0.477	0.493	0.495	0.485	0.479
Nitrogen in unmanaged manure - Cattle, swine, poultry	*0.29*	*0.29*	*0.29*	*0.28*	*0.29*	*0.30*	*0.30*	*0.30*	*0.29*	*0.28*
N2O	0.285	0.287	0.289	0.281	0.286	0.297	0.297	0.302	0.292	0.280
Nitrogen in unmanaged manure - Sheep, goat, horse	*0.05*	*0.05*	*0.05*	*0.06*	*0.06*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*
N2O	0.051	0.051	0.053	0.059	0.064	0.070	0.071	0.069	0.068	0.069
Enteric Fermentation	***8.24***	***8.40***	***8.65***	***8.32***	***8.68***	***8.97***	***9.05***	***9.47***	***9.45***	***9.30***
Cattle	**7.94**	**8.10**	**8.33**	**7.98**	**8.32**	**8.57**	**8.65**	**9.07**	**9.06**	**8.90**
Livestock population - Beef cows	*1.49*	*1.47*	*1.44*	*1.42*	*1.40*	*1.40*	*1.33*	*1.37*	*1.28*	*1.22*
CH4	1.494	1.475	1.440	1.424	1.396	1.398	1.329	1.373	1.285	1.216
Livestock population - Beef replacements 0-12 months	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.03*	*0.04*	*0.03*	*0.03*
CH4	0.040	0.039	0.038	0.036	0.036	0.038	0.035	0.036	0.032	0.033
Livestock population - Beef replacements 12-24 months	*0.11*	*0.11*	*0.10*	*0.10*	*0.10*	*0.10*	*0.10*	*0.10*	*0.09*	*0.09*
CH4	0.111	0.107	0.104	0.102	0.099	0.104	0.097	0.101	0.089	0.093
Livestock population - Bulls	*0.08*	*0.08*	*0.07*	*0.07*	*0.07*	*0.08*	*0.08*	*0.08*	*0.08*	*0.07*
CH4	0.078	0.078	0.072	0.072	0.072	0.078	0.083	0.078	0.078	0.072
Livestock population - Dairy cows	*4.43*	*4.58*	*4.80*	*4.54*	*4.92*	*5.06*	*5.20*	*5.51*	*5.61*	*5.57*
CH4	4.425	4.584	4.798	4.542	4.921	5.064	5.201	5.509	5.612	5.566
Livestock population - Dairy replacements 0-12 months	*0.21*	*0.21*	*0.22*	*0.20*	*0.21*	*0.22*	*0.22*	*0.23*	*0.23*	*0.23*
CH4	0.208	0.213	0.221	0.200	0.206	0.217	0.219	0.230	0.229	0.226
Livestock population - Dairy replacements 12-24 months	*0.74*	*0.76*	*0.78*	*0.73*	*0.73*	*0.76*	*0.78*	*0.81*	*0.82*	*0.80*
CH4	0.739	0.765	0.784	0.728	0.727	0.758	0.783	0.815	0.819	0.799
Livestock population - Heifer feedlot	*0.11*	*0.12*	*0.13*	*0.14*	*0.14*	*0.14*	*0.15*	*0.16*	*0.16*	*0.15*
CH4	0.115	0.119	0.129	0.143	0.137	0.143	0.151	0.157	0.157	0.147
Livestock population - Heifer stockers	*0.12*	*0.11*	*0.11*	*0.11*	*0.11*	*0.12*	*0.11*	*0.11*	*0.11*	*0.11*
CH4	0.117	0.113	0.114	0.110	0.106	0.123	0.115	0.106	0.111	0.110
Livestock population - Steer feedlot	*0.20*	*0.20*	*0.22*	*0.25*	*0.24*	*0.25*	*0.27*	*0.28*	*0.28*	*0.27*
CH4	0.197	0.201	0.225	0.251	0.236	0.248	0.267	0.283	0.283	0.268
Livestock population - Steer stockers	*0.42*	*0.40*	*0.41*	*0.38*	*0.38*	*0.40*	*0.37*	*0.39*	*0.36*	*0.36*
CH4	0.419	0.404	0.410	0.375	0.382	0.401	0.370	0.386	0.363	0.365

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Other Livestock	**0.30**	**0.31**	**0.31**	**0.34**	**0.36**	**0.40**	**0.40**	**0.39**	**0.39**	**0.40**
Livestock population - Goats	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.009	0.010	0.011	0.011	0.011	0.012	0.013	0.014	0.014	0.014
Livestock population - Horses	*0.15*	*0.16*	*0.17*	*0.20*	*0.23*	*0.26*	*0.27*	*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	0.273
Livestock population - Sheep	*0.14*	*0.14*	*0.13*	*0.12*	*0.11*	*0.12*	*0.11*	*0.10*	*0.10*	*0.11*
CH4	0.136	0.135	0.127	0.123	0.113	0.116	0.109	0.102	0.104	0.111
Livestock population - Swine	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.005	0.003	0.005	0.004	0.004	0.005	0.005	0.005	0.003	0.003
Forest and Range Management	***0.19***	***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**	**0.19**
Fire - Forest	*0.01*	*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	0.012
Fire - Rangeland	*0.00*	*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	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*	*0.15*
CH4	0.152	0.152	0.152	0.152	0.152	0.152	0.151	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*	*0.02*
CH4	0.022	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***	***0.16***
Not Specified : Direct	**0.16**	**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*	*0.16*
N2O	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155
Manure Management	***8.18***	***8.69***	***8.98***	***7.95***	***8.90***	***9.22***	***9.47***	***10.26***	***10.45***	***10.35***
Cattle : Anaerobic digester	**0.00**	**0.00**	**0.01**	**0.02**	**0.02**	**0.06**	**0.04**	**0.06**	**0.08**	**0.08**
Livestock population - Dairy cows	*0.00*	*0.00*	*0.01*	*0.02*	*0.02*	*0.06*	*0.04*	*0.06*	*0.08*	*0.08*
CH4	0.001	0.002	0.004	0.012	0.015	0.043	0.032	0.046	0.068	0.068
N2O	0.000	0.002	0.005	0.007	0.008	0.015	0.007	0.010	0.013	0.013
Cattle : Anaerobic lagoon	**5.70**	**6.11**	**6.35**	**5.49**	**6.31**	**6.54**	**6.65**	**7.30**	**7.50**	**7.43**
Livestock population - Dairy cows	*5.70*	*6.11*	*6.35*	*5.49*	*6.31*	*6.54*	*6.65*	*7.30*	*7.50*	*7.43*
CH4	5.396	5.799	6.018	5.188	5.978	6.202	6.304	6.954	7.164	7.097
N2O	0.301	0.314	0.330	0.298	0.329	0.334	0.344	0.345	0.339	0.337
Cattle : Daily spread	**0.02**	**0.02**	**0.03**	**0.02**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**	**0.03**
Livestock population - Dairy cows	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
CH4	0.007	0.007	0.008	0.006	0.008	0.008	0.008	0.009	0.009	0.009
N2O	0.013	0.014	0.014	0.013	0.014	0.015	0.015	0.015	0.015	0.015
Livestock population - Dairy heifers	*0.00*	*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	0.001
N2O	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Cattle : Deep pit	**0.01**	**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*	*0.01*
CH4	0.010	0.011	0.011	0.010	0.011	0.011	0.012	0.013	0.013	0.013
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cattle : Dry lot	**0.78**	**0.80**	**0.85**	**0.82**	**0.81**	**0.85**	**0.89**	**0.88**	**0.86**	**0.83**
Livestock population - Dairy heifers	*0.53*	*0.55*	*0.57*	*0.51*	*0.52*	*0.54*	*0.56*	*0.56*	*0.54*	*0.53*
CH4	0.027	0.028	0.029	0.024	0.027	0.028	0.029	0.031	0.031	0.031
N2O	0.504	0.523	0.539	0.486	0.492	0.515	0.530	0.526	0.512	0.502
Livestock population - Feedlot - heifers 500+ lbs	*0.09*	*0.09*	*0.10*	*0.11*	*0.10*	*0.11*	*0.12*	*0.11*	*0.11*	*0.10*
CH4	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.008
N2O	0.082	0.084	0.092	0.100	0.096	0.101	0.107	0.104	0.102	0.097
Livestock population - Feedlot - steers 500+ lbs	*0.16*	*0.16*	*0.18*	*0.20*	*0.19*	*0.20*	*0.21*	*0.21*	*0.21*	*0.20*
CH4	0.011	0.011	0.013	0.014	0.013	0.014	0.015	0.015	0.014	0.014
N2O	0.149	0.150	0.169	0.187	0.175	0.185	0.200	0.197	0.194	0.184
Cattle : Liquid/slurry	**1.11**	**1.18**	**1.16**	**1.04**	**1.17**	**1.17**	**1.30**	**1.40**	**1.42**	**1.41**
Livestock population - Dairy cows	*1.10*	*1.17*	*1.15*	*1.03*	*1.16*	*1.16*	*1.28*	*1.38*	*1.40*	*1.40*
CH4	0.908	0.973	0.949	0.848	0.957	0.956	1.063	1.162	1.193	1.185
N2O	0.192	0.195	0.199	0.179	0.198	0.201	0.218	0.218	0.212	0.211
Livestock population - Dairy heifers	*0.01*	*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	0.006	0.006	0.006	0.007	0.007	0.007	0.007
N2O	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Livestock population - Feedlot - heifers 500+ lbs	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CH4	0.002	0.002	0.003	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	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*	*0.01*
CH4	0.004	0.004	0.004	0.005	0.005	0.005	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	0.001
Cattle : Pasture	**0.08**	**0.08**	**0.08**	**0.08**	**0.08**	**0.08**	**0.08**	**0.08**	**0.08**	**0.08**
Livestock population - Dairy cows	*0.00*	*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	0.002	0.002	0.002
N2O	0.000	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*	*0.00*
CH4	0.000	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	0.000
Livestock population - Not on feed - beef cows	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
CH4	0.044	0.044	0.043	0.042	0.041	0.041	0.039	0.041	0.038	0.036
N2O	0.000	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*	*0.00*
CH4	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004

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Gross emissions & sinks

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
N2O	0.000	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*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
CH4	0.015	0.015	0.016	0.017	0.017	0.018	0.019	0.019	0.019	0.017
N2O	0.000	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*	*0.01*
CH4	0.008	0.007	0.007	0.007	0.007	0.007	0.007	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	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*	*0.01*
CH4	0.012	0.011	0.012	0.011	0.011	0.011	0.010	0.011	0.010	0.010
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cattle : Solid storage	**0.13**	**0.14**	**0.14**	**0.13**	**0.15**	**0.15**	**0.15**	**0.16**	**0.16**	**0.16**
Livestock population - Dairy cows	*0.13*	*0.14*	*0.14*	*0.13*	*0.15*	*0.15*	*0.15*	*0.16*	*0.16*	*0.16*
CH4	0.047	0.049	0.052	0.044	0.052	0.054	0.055	0.061	0.062	0.062
N2O	0.084	0.088	0.093	0.084	0.093	0.096	0.098	0.099	0.098	0.098
Other Livestock : Dry lot	**0.05**	**0.05**	**0.05**	**0.06**	**0.06**	**0.06**	**0.06**	**0.06**	**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*	*0.00*
CH4	0.000	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	0.001
Livestock population - Horses	*0.02*	*0.02*	*0.02*	*0.02*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
CH4	0.003	0.003	0.003	0.004	0.004	0.005	0.004	0.004	0.004	0.004
N2O	0.016	0.017	0.018	0.021	0.023	0.026	0.026	0.026	0.025	0.025
Livestock population - Sheep	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*	*0.03*
CH4	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003
N2O	0.026	0.030	0.028	0.027	0.026	0.025	0.025	0.023	0.024	0.025
Other Livestock : Pasture	**0.05**	**0.05**	**0.05**	**0.05**	**0.06**	**0.06**	**0.06**	**0.06**	**0.05**	**0.05**
Livestock population - Goats	*0.00*	*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	0.001
N2O	0.000	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*	*0.04*	*0.04*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
CH4	0.038	0.038	0.040	0.045	0.048	0.053	0.052	0.049	0.046	0.046
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Livestock population - Sheep	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
CH4	0.009	0.009	0.008	0.008	0.007	0.007	0.007	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	0.000
Poultry : Anaerobic lagoon	**0.10**	**0.10**	**0.10**	**0.09**	**0.08**	**0.08**	**0.08**	**0.09**	**0.08**	**0.08**
Livestock population - Hens 1+ yr	*0.08*	*0.08*	*0.08*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*
CH4	0.078	0.079	0.075	0.069	0.062	0.064	0.063	0.068	0.066	0.065
N2O	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Livestock population - Other chickens	*0.00*	*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	0.000
N2O	0.000	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*	*0.01*
CH4	0.018	0.016	0.016	0.016	0.013	0.013	0.010	0.014	0.013	0.013
N2O	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Poultry : Pasture	**0.00**	**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*	*0.00*
CH4	0.000	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	0.000
Livestock population - Turkeys	*0.00*	*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	0.000
N2O	0.000	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**	**0.04**	**0.04**	**0.04**	**0.04**	**0.04**	**0.04**	**0.03**
Livestock population - Broilers	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.01*	*0.01*	*0.01*
CH4	0.007	0.007	0.007	0.007	0.007	0.006	0.007	0.006	0.006	0.006
N2O	0.010	0.010	0.011	0.010	0.010	0.009	0.010	0.009	0.008	0.007
Livestock population - Turkeys	*0.03*	*0.03*	*0.03*	*0.03*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*
CH4	0.010	0.011	0.010	0.010	0.009	0.008	0.008	0.009	0.008	0.008
N2O	0.018	0.019	0.017	0.017	0.015	0.014	0.015	0.015	0.014	0.013
Poultry : Poultry without bedding	**0.04**	**0.04**	**0.04**	**0.04**	**0.03**	**0.03**	**0.03**	**0.04**	**0.04**	**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*	*0.03*
CH4	0.012	0.012	0.011	0.010	0.009	0.009	0.009	0.010	0.010	0.009
N2O	0.022	0.022	0.021	0.019	0.018	0.019	0.019	0.020	0.020	0.019
Livestock population - Other chickens	*0.00*	*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	0.000
N2O	0.000	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*	*0.01*	*0.01*	*0.01*
CH4	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
N2O	0.005	0.005	0.004	0.005	0.004	0.004	0.003	0.004	0.004	0.004
Swine : Anaerobic digester	**0.00**	**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*	*0.00*
CH4	0.000	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	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*	*0.00*
CH4	0.000	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	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*	*0.00*
CH4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
N2O	0.000	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*	*0.00*
CH4	0.000	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	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*	*0.00*
CH4	0.000	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	0.000
Swine : Anaerobic lagoon	**0.04**	**0.03**	**0.04**	**0.04**	**0.04**	**0.04**	**0.03**	**0.04**	**0.02**	**0.03**
Livestock population - Swine - breeding	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.00*	*0.00*
CH4	0.008	0.009	0.010	0.009	0.009	0.009	0.008	0.008	0.005	0.003
N2O	0.000	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*	*0.00*
CH4	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004	0.002	0.003
N2O	0.000	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*	*0.01*
CH4	0.013	0.003	0.009	0.008	0.008	0.007	0.005	0.008	0.006	0.006
N2O	0.001	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*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*	*0.00*	*0.01*
CH4	0.004	0.008	0.011	0.011	0.012	0.010	0.009	0.010	0.004	0.012
N2O	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	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*	*0.00*	*0.00*
CH4	0.008	0.004	0.006	0.005	0.006	0.006	0.006	0.006	0.003	0.003
N2O	0.000	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**	**0.01**
Livestock population - Swine - breeding	*0.00*	*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	0.003	0.002	0.003	0.003	0.001	0.001
N2O	0.000	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*	*0.00*
CH4	0.001	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	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*	*0.00*
CH4	0.004	0.001	0.002	0.002	0.002	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	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*	*0.00*
CH4	0.001	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.001	0.003
N2O	0.000	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*	*0.00*
CH4	0.002	0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.001	0.001
N2O	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Swine : Liquid/slurry	**0.00**	**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*	*0.00*
CH4	0.001	0.001	0.001	0.001	0.001	0.001	0.001	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	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*	*0.00*
CH4	0.000	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	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*	*0.00*
CH4	0.001	0.000	0.001	0.001	0.001	0.001	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	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*	*0.00*
CH4	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.001
N2O	0.000	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*	*0.00*
CH4	0.001	0.000	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	0.000
Swine : Pasture	**0.00**	**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*	*0.00*
CH4	0.000	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	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*	*0.00*
CH4	0.000	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	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*	*0.00*
CH4	0.000	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	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*	*0.00*
CH4	0.000	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	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*	*0.00*
CH4	0.000	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	0.000
Swine : Solid storage	**0.00**	**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*	*0.00*
CH4	0.000	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	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*	*0.00*
CH4	0.000	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	0.000

California Environmental Protection Agency
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Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
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*	*0.00*
CH4	0.000	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	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*	*0.00*
CH4	0.000	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	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*	*0.00*
CH4	0.000	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	0.000
Rice Cultivation	***0.57***	***0.49***	***0.55***	***0.53***	***0.61***	***0.55***	***0.54***	***0.55***	***0.54***	***0.58***
Field Crops	**0.57**	**0.49**	**0.55**	**0.53**	**0.61**	**0.55**	**0.54**	**0.55**	**0.54**	**0.58**
Rice crop area	*0.57*	*0.49*	*0.55*	*0.53*	*0.61*	*0.55*	*0.54*	*0.55*	*0.54*	*0.58*
CH4	0.568	0.488	0.547	0.526	0.612	0.545	0.542	0.553	0.536	0.576
Not Specified	**8.91**	**9.57**	**10.25**	**11.04**	**11.74**	**12.34**	**12.93**	**13.30**	**14.18**	**14.72**
Not Specified Not Specified	***8.55***	***9.25***	***10.02***	***10.77***	***11.53***	***12.14***	***12.71***	***13.08***	***13.95***	***14.51***
Not Specified	**8.55**	**9.25**	**10.02**	**10.77**	**11.53**	**12.14**	**12.71**	**13.08**	**13.95**	**14.51**
Use of substitutes for ozone depleting substances	*8.55*	*9.25*	*10.02*	*10.77*	*11.53*	*12.14*	*12.71*	*13.08*	*13.95*	*14.51*
CF4	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002
HFC-125	0.630	0.724	0.825	0.949	1.095	1.249	1.489	1.776	2.191	2.609
HFC-134a	6.868	7.326	7.740	8.074	8.411	8.553	8.552	8.287	8.360	8.036
HFC-143a	0.497	0.646	0.817	1.010	1.225	1.475	1.739	2.020	2.313	2.656
HFC-23	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.003	0.003
HFC-236fa	0.065	0.072	0.078	0.085	0.090	0.095	0.100	0.103	0.107	0.109
HFC-32	0.003	0.007	0.013	0.021	0.032	0.044	0.072	0.104	0.155	0.199
Other ODS substitutes	0.486	0.477	0.545	0.627	0.675	0.718	0.750	0.783	0.820	0.898
Solvents & Chemicals	***0.36***	***0.32***	***0.23***	***0.27***	***0.21***	***0.20***	***0.22***	***0.22***	***0.23***	***0.21***
Evaporative losses : Fugitives	**0.36**	**0.32**	**0.23**	**0.27**	**0.21**	**0.20**	**0.22**	**0.22**	**0.23**	**0.21**
Fugitive emissions	*0.36*	*0.32*	*0.23*	*0.27*	*0.21*	*0.20*	*0.22*	*0.22*	*0.23*	*0.21*
CO2	0.364	0.316	0.233	0.275	0.210	0.204	0.224	0.225	0.227	0.211

Summary for Gross emissions & sinks	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Gross California Emissions	**463.65**	**479.25**	**479.18**	**476.14**	**488.16**	**482.54**	**481.89**	**488.83**	**484.72**	**456.77**
Sinks from Forests and Rangelands	**-4.49**	**-4.30**	**-4.16**	**-4.16**	**-4.16**	**-4.03**	**-3.87**	**-3.94**	**-3.84**	**-3.80**
Net California Emissions	**459.17**	**474.95**	**475.02**	**471.98**	**484.00**	**478.52**	**478.02**	**484.89**	**480.88**	**452.97**

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Excluded Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Transportation	**46.02**	**40.97**	**45.26**	**37.56**	**41.39**	**46.45**	**47.58**	**51.28**	**48.71**	**50.90**
Aviation	***28.93***	***28.30***	***30.19***	***27.47***	***28.96***	***30.13***	***29.63***	***31.89***	***28.96***	***30.98***
Domestic Air transport : Interstate	**15.12**	**15.09**	**16.69**	**15.64**	**16.33**	**16.52**	**16.08**	**17.33**	**15.14**	**16.20**
Fuel combustion - Jet fuel	*15.12*	*15.09*	*16.69*	*15.64*	*16.33*	*16.52*	*16.08*	*17.33*	*15.14*	*16.20*
CH4	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.009	0.009
CO2	14.967	14.938	16.522	15.482	16.165	16.353	15.915	17.158	14.988	16.032
N2O	0.146	0.145	0.161	0.151	0.157	0.159	0.155	0.167	0.146	0.156
International Civil Aviation	**13.81**	**13.21**	**13.49**	**11.83**	**12.63**	**13.61**	**13.56**	**14.55**	**13.82**	**14.78**
Fuel combustion - Jet fuel	*13.81*	*13.21*	*13.49*	*11.83*	*12.63*	*13.61*	*13.56*	*14.55*	*13.82*	*14.78*
CH4	0.008	0.007	0.008	0.007	0.007	0.008	0.008	0.008	0.008	0.008
CO2	13.666	13.071	13.356	11.706	12.503	13.469	13.418	14.404	13.680	14.634
N2O	0.133	0.127	0.130	0.114	0.122	0.131	0.131	0.140	0.133	0.142
Water-borne	***17.09***	***12.68***	***15.08***	***10.10***	***12.43***	***16.32***	***17.94***	***19.39***	***19.75***	***19.91***
International Marine Bunker Fuel	**17.09**	**12.68**	**15.08**	**10.10**	**12.43**	**16.32**	**17.94**	**19.39**	**19.75**	**19.91**
Fuel combustion - Distillate	*0.97*	*0.47*	*0.52*	*0.08*	*0.35*	*1.30*	*1.20*	*1.00*	*0.74*	*1.48*
CH4	0.001	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001
CO2	0.970	0.468	0.518	0.078	0.349	1.291	1.198	0.993	0.735	1.478
N2O	0.002	0.001	0.001	0.000	0.001	0.003	0.003	0.002	0.002	0.003
Fuel combustion - Residual fuel oil	*16.12*	*12.21*	*14.56*	*10.02*	*12.08*	*15.02*	*16.74*	*18.40*	*19.01*	*18.43*
CH4	0.013	0.010	0.012	0.008	0.010	0.012	0.013	0.015	0.015	0.015
CO2	16.069	12.168	14.513	9.986	12.039	14.974	16.687	18.338	18.953	18.373
N2O	0.038	0.029	0.034	0.024	0.028	0.035	0.039	0.043	0.045	0.043
Military	**2.94**	**3.41**	**3.29**	**3.32**	**3.44**	**2.61**	**2.36**	**2.35**	**2.31**	**2.11**
Not Specified Military	***2.94***	***3.41***	***3.29***	***3.32***	***3.44***	***2.61***	***2.36***	***2.35***	***2.31***	***2.11***
Not Specified	**2.94**	**3.41**	**3.29**	**3.32**	**3.44**	**2.61**	**2.36**	**2.35**	**2.31**	**2.11**
Fuel combustion - Distillate	*0.07*	*0.29*	*0.48*	*0.51*	*0.54*	*0.10*	*0.11*	*0.12*	*0.09*	*0.14*
CH4	0.000	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	0.511	0.539	0.098	0.108	0.118	0.087	0.138
N2O	0.000	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000
Fuel combustion - Jet fuel	*2.86*	*3.12*	*2.81*	*2.81*	*2.90*	*2.51*	*2.25*	*2.24*	*2.22*	*1.97*
CH4	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001
CO2	2.835	3.087	2.776	2.780	2.873	2.487	2.226	2.213	2.198	1.947
N2O	0.028	0.030	0.027	0.027	0.028	0.024	0.022	0.022	0.021	0.019

Summary for Excluded Emissions	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
International and Interstate Emissions	**48.96**	**44.38**	**48.55**	**40.89**	**44.83**	**49.06**	**49.93**	**53.63**	**51.02**	**53.00**

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CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Electricity Generation (In State)	**8.19**	**8.35**	**8.48**	**8.73**	**8.10**	**8.16**	**8.39**	**7.97**	**8.03**	**9.93**
CHP: Commercial	***0.27***	***0.10***	***0.16***	***0.31***	***0.31***	***0.37***	***0.35***	***0.31***	***0.31***	***0.11***
Not Specified	**0.27**	**0.10**	**0.16**	**0.31**	**0.31**	**0.37**	**0.35**	**0.31**	**0.31**	**0.11**
Fuel combustion - Digester gas	*0.24*	*0.10*	*0.16*	*0.31*	*0.31*	*0.33*	*0.31*	*0.28*	*0.28*	*0.08*
CO2	0.239	0.101	0.162	0.308	0.308	0.335	0.313	0.280	0.276	0.084
Fuel combustion - Landfill gas	*0.03*	*0.00*	*0.00*	*0.00*	*0.00*	*0.04*	*0.04*	*0.03*	*0.03*	*0.02*
CO2	0.029	0.000	0.000	0.000	0.000	0.036	0.037	0.030	0.030	0.021
CHP: Industrial	***1.74***	***2.39***	***1.70***	***1.83***	***1.38***	***1.27***	***1.26***	***1.26***	***1.12***	***1.83***
Not Specified	**1.74**	**2.39**	**1.70**	**1.83**	**1.38**	**1.27**	**1.26**	**1.26**	**1.12**	**1.83**
Fuel combustion - Biomass	*1.64*	*2.27*	*1.58*	*1.52*	*1.09*	*1.00*	*0.95*	*0.96*	*0.82*	*1.70*
CO2	1.641	2.271	1.579	1.520	1.094	0.998	0.953	0.963	0.822	1.695
Fuel combustion - Digester gas	*0.00*	*0.01*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.12*
CO2	0.000	0.008	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.121
Fuel combustion - Landfill gas	*0.09*	*0.11*	*0.11*	*0.05*	*0.06*	*0.06*	*0.06*	*0.06*	*0.06*	*0.01*
CO2	0.091	0.106	0.111	0.052	0.056	0.060	0.062	0.057	0.063	0.013
Fuel combustion - MSW	*0.00*	*0.00*	*0.00*	*0.25*	*0.23*	*0.21*	*0.24*	*0.23*	*0.23*	*0.00*
CO2	0.000	0.000	0.000	0.250	0.228	0.205	0.236	0.232	0.233	0.000
Fuel combustion - Tires	*0.01*	*0.00*	*0.00*	*0.01*	*0.01*	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*
CO2	0.006	0.000	0.005	0.007	0.006	0.006	0.004	0.004	0.003	0.000
Merchant Owned	***6.06***	***5.65***	***6.38***	***6.26***	***6.14***	***6.18***	***6.44***	***6.05***	***6.25***	***7.46***
Not Specified	**6.06**	**5.65**	**6.38**	**6.26**	**6.14**	**6.18**	**6.44**	**6.05**	**6.25**	**7.46**
Fuel combustion - Biomass	*3.70*	*3.23*	*4.26*	*4.48*	*4.21*	*4.37*	*4.35*	*4.07*	*4.22*	*4.83*
CO2	3.703	3.231	4.257	4.475	4.206	4.371	4.353	4.071	4.221	4.833
Fuel combustion - Digester gas	*0.04*	*0.04*	*0.03*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.18*
CO2	0.039	0.043	0.035	0.000	0.000	0.000	0.000	0.000	0.000	0.180
Fuel combustion - Landfill gas	*1.84*	*1.90*	*1.59*	*1.57*	*1.73*	*1.63*	*1.88*	*1.77*	*1.83*	*1.97*
CO2	1.844	1.901	1.592	1.571	1.729	1.634	1.880	1.766	1.830	1.969
Fuel combustion - MSW	*0.47*	*0.48*	*0.49*	*0.21*	*0.21*	*0.17*	*0.20*	*0.21*	*0.20*	*0.48*
CO2	0.474	0.480	0.493	0.210	0.208	0.172	0.202	0.211	0.198	0.481
Utility Owned	***0.13***	***0.21***	***0.24***	***0.33***	***0.27***	***0.34***	***0.35***	***0.35***	***0.35***	***0.53***
Not Specified	**0.13**	**0.21**	**0.24**	**0.33**	**0.27**	**0.34**	**0.35**	**0.35**	**0.35**	**0.53**
Fuel combustion - Biomass	*0.13*	*0.00*	*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	0.000
Fuel combustion - Digester gas	*0.00*	*0.13*	*0.15*	*0.23*	*0.17*	*0.23*	*0.23*	*0.23*	*0.23*	*0.25*
CO2	0.000	0.131	0.146	0.231	0.174	0.227	0.230	0.231	0.230	0.249
Fuel combustion - Landfill gas	*0.00*	*0.08*	*0.10*	*0.10*	*0.10*	*0.11*	*0.12*	*0.12*	*0.12*	*0.28*
CO2	0.000	0.080	0.098	0.103	0.096	0.113	0.117	0.123	0.125	0.280

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CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Industrial	**10.50**	**11.02**	**9.22**	**9.14**	**9.76**	**10.66**	**10.67**	**10.65**	**10.49**	**9.39**
CHP: Industrial	***1.30***	***1.03***	***0.61***	***0.62***	***1.14***	***1.50***	***1.53***	***1.52***	***1.48***	***0.43***
Useful Thermal Output	**1.30**	**1.03**	**0.61**	**0.62**	**1.14**	**1.50**	**1.53**	**1.52**	**1.48**	**0.43**
Fuel combustion - Biomass	*1.28*	*1.03*	*0.61*	*0.61*	*1.14*	*1.46*	*1.50*	*1.50*	*1.43*	*0.40*
CO2	1.280	1.032	0.605	0.613	1.140	1.461	1.496	1.498	1.427	0.400
Fuel combustion - Digester gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.02*
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019
Fuel combustion - Landfill gas	*0.02*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*0.01*	*0.00*	*0.00*	*0.00*
CO2	0.017	0.000	0.000	0.000	0.000	0.006	0.010	0.000	0.000	0.000
Fuel combustion - MSW	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.02*	*0.02*	*0.02*	*0.05*	*0.00*
CO2	0.000	0.000	0.000	0.000	0.000	0.024	0.019	0.016	0.054	0.000
Fuel combustion - Tires	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*
CO2	0.002	0.000	0.002	0.003	0.004	0.004	0.003	0.003	0.001	0.009
Landfills	***5.42***	***5.73***	***5.97***	***5.96***	***6.02***	***6.31***	***6.53***	***6.47***	***6.63***	***6.73***
Not Specified	**5.42**	**5.73**	**5.97**	**5.96**	**6.02**	**6.31**	**6.53**	**6.47**	**6.63**	**6.73**
Landfill emissions - Landfill gas	*5.42*	*5.73*	*5.97*	*5.96*	*6.02*	*6.31*	*6.53*	*6.47*	*6.63*	*6.73*
CO2	5.418	5.732	5.972	5.955	6.018	6.305	6.527	6.466	6.630	6.733
Manufacturing	***0.06***	***0.06***	***0.07***	***0.07***	***0.07***	***0.08***	***0.05***	***0.06***	***0.06***	***0.07***
Stone, Clay, Glass & Cement : Cement	**0.06**	**0.06**	**0.07**	**0.07**	**0.07**	**0.08**	**0.05**	**0.06**	**0.06**	**0.07**
Fuel combustion - Biomass waste fuel	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*	*0.01*	*0.02*	*0.03*	*0.04*
CO2	0.041	0.040	0.039	0.038	0.037	0.036	0.013	0.020	0.027	0.040
Fuel combustion - Tires	*0.02*	*0.02*	*0.03*	*0.03*	*0.04*	*0.04*	*0.04*	*0.04*	*0.03*	*0.03*
CO2	0.020	0.024	0.028	0.031	0.035	0.039	0.036	0.037	0.030	0.025
Not Specified Industrial	***3.72***	***4.19***	***2.57***	***2.50***	***2.53***	***2.78***	***2.56***	***2.61***	***2.32***	***2.16***
Not Specified	**3.72**	**4.19**	**2.57**	**2.50**	**2.53**	**2.78**	**2.56**	**2.61**	**2.32**	**2.16**
Fuel combustion - Wood (wet)	*3.72*	*4.19*	*2.57*	*2.50*	*2.53*	*2.78*	*2.56*	*2.61*	*2.32*	*2.16*
CO2	3.718	4.192	2.574	2.503	2.527	2.783	2.562	2.609	2.323	2.164
Petroleum Refining	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***	***0.00***
Not Specified	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Fuel combustion - Digester gas	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
CO2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Commercial	**0.62**	**0.60**	**0.62**	**0.64**	**0.66**	**0.49**	**0.48**	**0.52**	**0.52**	**0.51**
CHP: Commercial	***0.04***	***0.02***	***0.02***	***0.02***	***0.05***	***0.10***	***0.12***	***0.14***	***0.12***	***0.11***
Useful Thermal Output	**0.04**	**0.02**	**0.02**	**0.02**	**0.05**	**0.10**	**0.12**	**0.14**	**0.12**	**0.11**
Fuel combustion - Digester gas	*0.03*	*0.02*	*0.02*	*0.02*	*0.05*	*0.08*	*0.08*	*0.11*	*0.09*	*0.10*
CO2	0.034	0.016	0.016	0.016	0.052	0.075	0.082	0.109	0.093	0.101
Fuel combustion - Landfill gas	*0.01*	*0.00*	*0.00*	*0.00*	*0.00*	*0.02*	*0.04*	*0.03*	*0.02*	*0.01*
CO2	0.009	0.000	0.000	0.000	0.000	0.022	0.041	0.026	0.022	0.012

California Environmental Protection Agency
Air Resources Board

California Greenhouse Gas Inventory for 2000-2009 — 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	2009
Not Specified Commercial	***0.58***	***0.59***	***0.60***	***0.63***	***0.61***	***0.39***	***0.36***	***0.38***	***0.41***	***0.40***
Not Specified	**0.58**	**0.59**	**0.60**	**0.63**	**0.61**	**0.39**	**0.36**	**0.38**	**0.41**	**0.40**
Fuel combustion - Wood (wet)	*0.58*	*0.59*	*0.60*	*0.63*	*0.61*	*0.39*	*0.36*	*0.38*	*0.41*	*0.40*
CO2	0.580	0.587	0.601	0.626	0.612	0.388	0.359	0.382	0.405	0.402
Residential	**3.55**	**3.33**	**3.38**	**3.56**	**3.65**	**2.43**	**2.21**	**2.44**	**2.55**	**2.44**
Household Use	***3.55***	***3.33***	***3.38***	***3.56***	***3.65***	***2.43***	***2.21***	***2.44***	***2.55***	***2.44***
Not Specified	**3.55**	**3.33**	**3.38**	**3.56**	**3.65**	**2.43**	**2.21**	**2.44**	**2.55**	**2.44**
Fuel combustion - Wood (wet)	*3.55*	*3.33*	*3.38*	*3.56*	*3.65*	*2.43*	*2.21*	*2.44*	*2.55*	*2.44*
CO2	3.553	3.335	3.385	3.563	3.652	2.427	2.210	2.436	2.549	2.436
Agriculture & Forestry	**1.39**	**1.16**	**1.16**	**1.20**	**1.18**	**1.26**	**1.17**	**1.32**	**1.32**	**1.38**
Ag Residue Burning	***1.39***	***1.16***	***1.16***	***1.20***	***1.18***	***1.26***	***1.17***	***1.32***	***1.32***	***1.38***
Field Crops	**0.60**	**0.35**	**0.32**	**0.35**	**0.32**	**0.36**	**0.25**	**0.37**	**0.32**	**0.32**
Crop acreage burned - Barley	*0.01*	*0.01*	*0.01*	*0.00*	*0.01*	*0.01*	*0.01*	*0.00*	*0.01*	*0.00*
CO2	0.008	0.009	0.006	0.005	0.006	0.005	0.005	0.003	0.005	0.005
Crop acreage burned - Corn	*0.03*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.02*	*0.03*	*0.02*	*0.02*
CO2	0.030	0.023	0.022	0.020	0.022	0.019	0.016	0.027	0.025	0.023
Crop acreage burned - Rice	*0.47*	*0.22*	*0.22*	*0.23*	*0.21*	*0.27*	*0.17*	*0.27*	*0.18*	*0.19*
CO2	0.470	0.224	0.218	0.225	0.206	0.267	0.166	0.271	0.181	0.194
Crop acreage burned - Wheat	*0.09*	*0.09*	*0.08*	*0.10*	*0.08*	*0.07*	*0.06*	*0.07*	*0.11*	*0.10*
CO2	0.095	0.090	0.076	0.102	0.082	0.072	0.061	0.067	0.106	0.097
Orchard & Vineyard	**0.78**	**0.81**	**0.84**	**0.84**	**0.87**	**0.89**	**0.92**	**0.95**	**1.01**	**1.06**
Crop acreage burned - Almond	*0.60*	*0.62*	*0.64*	*0.65*	*0.67*	*0.69*	*0.72*	*0.75*	*0.80*	*0.85*
CO2	0.601	0.624	0.642	0.648	0.671	0.695	0.718	0.754	0.801	0.848
Crop acreage burned - Walnut	*0.18*	*0.19*	*0.19*	*0.20*	*0.20*	*0.20*	*0.20*	*0.20*	*0.21*	*0.21*
CO2	0.184	0.188	0.194	0.196	0.197	0.198	0.199	0.201	0.206	0.209

Summary for CO2 from biogenic materials	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Carbon dioxide from Biogenic sources	**24.25**	**24.47**	**22.86**	**23.27**	**23.37**	**22.99**	**22.91**	**22.90**	**22.92**	**23.64**