

California Greenhouse Gas Inventory for 2000-2015 — by Gas

million tonnes of CO2 equivalent - (based upon IPCC Fourth Assessment Report's 100-yr Global Warming Potentials)

Summary of Emissions by Gas	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
California Inventory Emissions	467.2	481.7	481.0	480.9	489.1	481.7	478.7	486.2	482.8	453.3	446.1	442.4	449.0	445.1	441.8	440.4
CO2	410.2	424.9	422.5	421.8	430.2	421.5	417.3	422.3	418.4	389.3	380.0	375.2	380.2	376.1	371.8	369.9
CH4 ^[1]	34.1	34.4	36.0	36.1	35.8	36.7	37.2	39.4	39.5	39.0	39.8	40.0	40.4	39.8	40.1	39.6
N2O	15.7	15.3	15.3	15.0	14.4	14.1	13.9	13.4	13.0	12.6	12.6	12.4	12.6	12.3	12.2	11.7
HGWP	6.6	6.5	6.8	7.5	8.3	9.0	10.0	10.8	11.5	12.1	13.4	14.5	15.5	16.6	17.7	18.6
SF6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.4
Carbon Dioxide from Biogenic Sources	25.0	25.5	24.2	27.3	29.0	28.8	28.9	29.0	29.5	31.5	34.0	35.6	35.7	41.2	41.0	39.6
CO2	25.0	25.5	24.2	27.3	29.0	28.8	28.9	29.0	29.5	31.5	34.0	35.6	35.7	41.2	41.0	39.6
Excluded Emissions	57.5	51.1	55.8	50.2	54.0	56.9	59.1	61.8	58.1	57.6	59.2	57.0	56.1	57.2	59.9	62.3
CO2	54.3	48.0	52.7	47.0	50.8	53.7	55.9	58.5	54.9	54.4	56.0	53.8	52.9	54.0	56.7	59.1
CH4	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
N2O	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4

[1] The exceptional Aliso Canyon natural gas leak event released 1.96 MMTCO₂e of unanticipated emissions in calendar year 2015 and an additional 0.52 MMTCO₂e in 2016. These emissions will be mitigated in the future according to legal settlement and are presented alongside but tracked separately from routine inventory emissions.