

California Greenhouse Gas Inventory for 1990 (millions of tonnes of CO2 equivalent)

(CO2 equivalence based upon IPCC Second Assessment Report's Global Warming Potentials)

Categories Included in the Inventory.

1 - Energy	386.41
1A - Fuel Combustion Activities	381.16
1A1 - Energy Industries	157.33
1A1a - Main Activity Electricity and Heat Production	115.84
1A1ai - Electricity Generation	90.502
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Coal > CH4	0.000
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Coal > CO2	0.281
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Coal > N2O	0.001
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Distillate > CH4	0.000
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Distillate > CO2	0.001
Imported Electricity : Specified Imports : PNW : Boardman (OR) - Distillate > N2O	0.000
Imported Electricity : Specified Imports : PNW : Colstrip (MT) - Coal > CH4	0.000
Imported Electricity : Specified Imports : PNW : Colstrip (MT) - Coal > CO2	0.921
Imported Electricity : Specified Imports : PNW : Colstrip (MT) - Coal > N2O	0.004
Imported Electricity : Specified Imports : PNW : Colstrip (MT) - Distillate > CH4	0.000
Imported Electricity : Specified Imports : PNW : Colstrip (MT) - Distillate > CO2	0.001
Imported Electricity : Specified Imports : PNW : Colstrip (MT) - Distillate > N2O	0.000
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Coal > CH4	0.000
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Coal > CO2	0.620
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Coal > N2O	0.003
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Distillate > CH4	0.000
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Distillate > CO2	0.000
Imported Electricity : Specified Imports : PSW : Bonanza (UT) - Distillate > N2O	0.000
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Coal > CH4	0.001
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Coal > CO2	5.007
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Coal > N2O	0.024
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Natural Gas > CH4	0.000
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Natural Gas > CO2	0.014
Imported Electricity : Specified Imports : PSW : Four Corners (NM) - Natural Gas > N2O	0.000
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Coal > CH4	0.002
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Coal > CO2	11.102
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Coal > N2O	0.055
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Distillate > CH4	0.000
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Distillate > CO2	0.016
Imported Electricity : Specified Imports : PSW : Intermountain (UT) - Distillate > N2O	0.000
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Coal > CH4	0.001
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Coal > CO2	6.595
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Coal > N2O	0.033
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Natural Gas > CH4	0.000
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Natural Gas > CO2	0.084
Imported Electricity : Specified Imports : PSW : Mohave (NV) - Natural Gas > N2O	0.000
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Coal > CH4	0.001
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Coal > CO2	3.233
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Coal > N2O	0.016
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Distillate > CH4	0.000
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Distillate > CO2	0.006
Imported Electricity : Specified Imports : PSW : Navajo (AZ) - Distillate > N2O	0.000
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Coal > CH4	0.000
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Coal > CO2	1.110
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Coal > N2O	0.006
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Distillate > CH4	0.000
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Distillate > CO2	0.001
Imported Electricity : Specified Imports : PSW : Reid Gardner (NV) - Distillate > N2O	0.000

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Imported Electricity : Specified Imports : PSW : San Juan (NM) - Coal > CH4	0.000
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Coal > CO2	0.405
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Coal > N2O	0.002
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Distillate > CH4	0.000
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Distillate > CO2	0.001
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Distillate > N2O	0.000
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Residual Fuel Oil > CH4	0.000
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Residual Fuel Oil > CO2	0.001
Imported Electricity : Specified Imports : PSW : San Juan (NM) - Residual Fuel Oil > N2O	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Distillate > CH4	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Distillate > CO2	0.001
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Distillate > N2O	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Natural Gas > CH4	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Natural Gas > CO2	0.054
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Natural Gas > N2O	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Residual Fuel Oil > CH4	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Residual Fuel Oil > CO2	0.000
Imported Electricity : Specified Imports : PSW : Yucca/Yuma Axis (AZ) - Residual Fuel Oil > N2O	0.000
Imported Electricity : Unspecified Imports : PNW - Imported electricity > CH4	0.002
Imported Electricity : Unspecified Imports : PNW - Imported electricity > CO2	7.828
Imported Electricity : Unspecified Imports : PNW - Imported electricity > N2O	0.038
Imported Electricity : Unspecified Imports : PSW - Imported electricity > CH4	0.005
Imported Electricity : Unspecified Imports : PSW - Imported electricity > CO2	22.972
Imported Electricity : Unspecified Imports : PSW - Imported electricity > N2O	0.112
In State Generation : Merchant Owned - Biomass > CH4	0.030
In State Generation : Merchant Owned - Biomass > N2O	0.059
In State Generation : Merchant Owned - Digester Gas > CH4	0.000
In State Generation : Merchant Owned - Digester Gas > N2O	0.000
In State Generation : Merchant Owned - Distillate > CH4	0.000
In State Generation : Merchant Owned - Distillate > CO2	0.026
In State Generation : Merchant Owned - Distillate > N2O	0.000
In State Generation : Merchant Owned - Jet Fuel > CH4	0.000
In State Generation : Merchant Owned - Jet Fuel > CO2	0.000
In State Generation : Merchant Owned - Jet Fuel > N2O	0.000
In State Generation : Merchant Owned - Kerosene > CH4	0.000
In State Generation : Merchant Owned - Kerosene > CO2	0.000
In State Generation : Merchant Owned - Kerosene > N2O	0.000
In State Generation : Merchant Owned - Landfill Gas > CH4	0.000
In State Generation : Merchant Owned - Landfill Gas > N2O	0.000
In State Generation : Merchant Owned - MSW > CH4	0.006
In State Generation : Merchant Owned - MSW > CO2	0.277
In State Generation : Merchant Owned - MSW > N2O	0.011
In State Generation : Merchant Owned - Natural Gas > CH4	0.000
In State Generation : Merchant Owned - Natural Gas > CO2	0.356
In State Generation : Merchant Owned - Natural Gas > N2O	0.000
In State Generation : Merchant Owned - Other Coal > CH4	0.000
In State Generation : Merchant Owned - Other Coal > CO2	0.112
In State Generation : Merchant Owned - Other Coal > N2O	0.001
In State Generation : Merchant Owned - Petroleum Coke > CH4	0.000
In State Generation : Merchant Owned - Petroleum Coke > CO2	0.481
In State Generation : Merchant Owned - Petroleum Coke > N2O	0.001
In State Generation : Merchant Owned - Propane > CH4	0.000
In State Generation : Merchant Owned - Propane > CO2	0.000
In State Generation : Merchant Owned - Propane > N2O	0.000
In State Generation : Merchant Owned - Refinery Gas > CH4	0.000

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In State Generation : Merchant Owned - Refinery Gas > CO2	0.000
In State Generation : Merchant Owned - Refinery Gas > N2O	0.000
In State Generation : Merchant Owned - Residual Fuel Oil > CH4	0.000
In State Generation : Merchant Owned - Residual Fuel Oil > CO2	0.000
In State Generation : Merchant Owned - Residual Fuel Oil > N2O	0.000
In State Generation : Merchant Owned - Waste Oil > CH4	0.000
In State Generation : Merchant Owned - Waste Oil > CO2	0.000
In State Generation : Merchant Owned - Waste Oil > N2O	0.000
In State Generation : Utility Owned - Biomass > CH4	0.000
In State Generation : Utility Owned - Biomass > N2O	0.000
In State Generation : Utility Owned - Digester Gas > CH4	0.000
In State Generation : Utility Owned - Digester Gas > N2O	0.000
In State Generation : Utility Owned - Distillate > CH4	0.000
In State Generation : Utility Owned - Distillate > CO2	0.080
In State Generation : Utility Owned - Distillate > N2O	0.000
In State Generation : Utility Owned - Landfill Gas > CH4	0.000
In State Generation : Utility Owned - Landfill Gas > N2O	0.000
In State Generation : Utility Owned - Natural Gas > CH4	0.010
In State Generation : Utility Owned - Natural Gas > CO2	24.992
In State Generation : Utility Owned - Natural Gas > N2O	0.015
In State Generation : Utility Owned - Residual Fuel Oil > CH4	0.003
In State Generation : Utility Owned - Residual Fuel Oil > CO2	3.471
In State Generation : Utility Owned - Residual Fuel Oil > N2O	0.008
1A1aⁱⁱ - Combined Heat and Power Generation (CHP)	25.341
CHP: Commercial : Useful Thermal Output - Biomass > CH4	0.000
CHP: Commercial : Useful Thermal Output - Biomass > N2O	0.000
CHP: Commercial : Useful Thermal Output - Digester Gas > CH4	0.000
CHP: Commercial : Useful Thermal Output - Digester Gas > N2O	0.000
CHP: Commercial : Useful Thermal Output - Distillate > CH4	0.000
CHP: Commercial : Useful Thermal Output - Distillate > CO2	0.004
CHP: Commercial : Useful Thermal Output - Distillate > N2O	0.000
CHP: Commercial : Useful Thermal Output - Jet Fuel > CH4	0.000
CHP: Commercial : Useful Thermal Output - Jet Fuel > CO2	0.000
CHP: Commercial : Useful Thermal Output - Jet Fuel > N2O	0.000
CHP: Commercial : Useful Thermal Output - Landfill Gas > CH4	0.000
CHP: Commercial : Useful Thermal Output - Landfill Gas > N2O	0.000
CHP: Commercial : Useful Thermal Output - Natural Gas > CH4	0.000
CHP: Commercial : Useful Thermal Output - Natural Gas > CO2	0.386
CHP: Commercial : Useful Thermal Output - Natural Gas > N2O	0.000
CHP: Commercial : Useful Thermal Output - Propane > CH4	0.000
CHP: Commercial : Useful Thermal Output - Propane > CO2	0.000
CHP: Commercial : Useful Thermal Output - Propane > N2O	0.000
CHP: Commercial : Useful Thermal Output - Refinery Gas > CH4	0.000
CHP: Commercial : Useful Thermal Output - Refinery Gas > CO2	0.009
CHP: Commercial : Useful Thermal Output - Refinery Gas > N2O	0.000
CHP: Commercial : Useful Thermal Output - Waste Oil > CH4	0.000
CHP: Commercial : Useful Thermal Output - Waste Oil > CO2	0.000
CHP: Commercial : Useful Thermal Output - Waste Oil > N2O	0.000
CHP: Industrial : Useful Thermal Output - Associated gas > CH4	0.000
CHP: Industrial : Useful Thermal Output - Associated gas > CO2	0.000
CHP: Industrial : Useful Thermal Output - Associated gas > N2O	0.000
CHP: Industrial : Useful Thermal Output - Biomass > CH4	0.013
CHP: Industrial : Useful Thermal Output - Biomass > N2O	0.026
CHP: Industrial : Useful Thermal Output - Bituminous Coal > CH4	0.000

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CHP: Industrial : Useful Thermal Output - Bituminous Coal > CO2	1.724
CHP: Industrial : Useful Thermal Output - Bituminous Coal > N2O	0.009
CHP: Industrial : Useful Thermal Output - Digester Gas > CH4	0.000
CHP: Industrial : Useful Thermal Output - Digester Gas > N2O	0.000
CHP: Industrial : Useful Thermal Output - Distillate > CH4	0.000
CHP: Industrial : Useful Thermal Output - Distillate > CO2	0.049
CHP: Industrial : Useful Thermal Output - Distillate > N2O	0.000
CHP: Industrial : Useful Thermal Output - Landfill Gas > CH4	0.000
CHP: Industrial : Useful Thermal Output - Landfill Gas > N2O	0.000
CHP: Industrial : Useful Thermal Output - Lignite Coal > CH4	0.000
CHP: Industrial : Useful Thermal Output - Lignite Coal > CO2	0.000
CHP: Industrial : Useful Thermal Output - Lignite Coal > N2O	0.000
CHP: Industrial : Useful Thermal Output - Natural Gas > CH4	0.003
CHP: Industrial : Useful Thermal Output - Natural Gas > CO2	6.613
CHP: Industrial : Useful Thermal Output - Natural Gas > N2O	0.004
CHP: Industrial : Useful Thermal Output - Other Coal > CH4	0.000
CHP: Industrial : Useful Thermal Output - Other Coal > CO2	0.007
CHP: Industrial : Useful Thermal Output - Other Coal > N2O	0.000
CHP: Industrial : Useful Thermal Output - Petroleum Coke > CH4	0.000
CHP: Industrial : Useful Thermal Output - Petroleum Coke > CO2	0.302
CHP: Industrial : Useful Thermal Output - Petroleum Coke > N2O	0.001
CHP: Industrial : Useful Thermal Output - Propane > CH4	0.000
CHP: Industrial : Useful Thermal Output - Propane > CO2	0.000
CHP: Industrial : Useful Thermal Output - Propane > N2O	0.000
CHP: Industrial : Useful Thermal Output - Refinery Gas > CH4	0.000
CHP: Industrial : Useful Thermal Output - Refinery Gas > CO2	0.810
CHP: Industrial : Useful Thermal Output - Refinery Gas > N2O	0.000
CHP: Industrial : Useful Thermal Output - Residual Fuel Oil > CH4	0.000
CHP: Industrial : Useful Thermal Output - Residual Fuel Oil > CO2	0.005
CHP: Industrial : Useful Thermal Output - Residual Fuel Oil > N2O	0.000
CHP: Industrial : Useful Thermal Output - Tires > CH4	0.000
CHP: Industrial : Useful Thermal Output - Tires > CO2	0.026
CHP: Industrial : Useful Thermal Output - Tires > N2O	0.000
CHP: Industrial : Useful Thermal Output - Waste Oil > CH4	0.001
CHP: Industrial : Useful Thermal Output - Waste Oil > CO2	0.105
CHP: Industrial : Useful Thermal Output - Waste Oil > N2O	0.002
In State Generation : CHP: Commercial - Biomass > CH4	0.000
In State Generation : CHP: Commercial - Biomass > N2O	0.000
In State Generation : CHP: Commercial - Digester Gas > CH4	0.000
In State Generation : CHP: Commercial - Digester Gas > N2O	0.000
In State Generation : CHP: Commercial - Distillate > CH4	0.000
In State Generation : CHP: Commercial - Distillate > CO2	0.007
In State Generation : CHP: Commercial - Distillate > N2O	0.000
In State Generation : CHP: Commercial - Jet Fuel > CH4	0.000
In State Generation : CHP: Commercial - Jet Fuel > CO2	0.000
In State Generation : CHP: Commercial - Jet Fuel > N2O	0.000
In State Generation : CHP: Commercial - Kerosene > CH4	0.000
In State Generation : CHP: Commercial - Kerosene > CO2	0.000
In State Generation : CHP: Commercial - Kerosene > N2O	0.000
In State Generation : CHP: Commercial - Landfill Gas > CH4	0.000
In State Generation : CHP: Commercial - Landfill Gas > N2O	0.000
In State Generation : CHP: Commercial - Natural Gas > CH4	0.000
In State Generation : CHP: Commercial - Natural Gas > CO2	0.614
In State Generation : CHP: Commercial - Natural Gas > N2O	0.000
In State Generation : CHP: Commercial - Propane > CH4	0.000

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In State Generation : CHP: Commercial - Propane > CO2	0.000
In State Generation : CHP: Commercial - Propane > N2O	0.000
In State Generation : CHP: Commercial - Refinery Gas > CH4	0.000
In State Generation : CHP: Commercial - Refinery Gas > CO2	0.079
In State Generation : CHP: Commercial - Refinery Gas > N2O	0.000
In State Generation : CHP: Commercial - Waste Oil > CH4	0.000
In State Generation : CHP: Commercial - Waste Oil > CO2	0.000
In State Generation : CHP: Commercial - Waste Oil > N2O	0.000
In State Generation : CHP: Industrial - Associated gas > CH4	0.000
In State Generation : CHP: Industrial - Associated gas > CO2	0.000
In State Generation : CHP: Industrial - Associated gas > N2O	0.000
In State Generation : CHP: Industrial - Biomass > CH4	0.019
In State Generation : CHP: Industrial - Biomass > N2O	0.037
In State Generation : CHP: Industrial - Bituminous Coal > CH4	0.000
In State Generation : CHP: Industrial - Bituminous Coal > CO2	2.216
In State Generation : CHP: Industrial - Bituminous Coal > N2O	0.011
In State Generation : CHP: Industrial - Digester Gas > CH4	0.000
In State Generation : CHP: Industrial - Digester Gas > N2O	0.000
In State Generation : CHP: Industrial - Distillate > CH4	0.000
In State Generation : CHP: Industrial - Distillate > CO2	0.014
In State Generation : CHP: Industrial - Distillate > N2O	0.000
In State Generation : CHP: Industrial - Landfill Gas > CH4	0.000
In State Generation : CHP: Industrial - Landfill Gas > N2O	0.000
In State Generation : CHP: Industrial - Lignite Coal > CH4	0.000
In State Generation : CHP: Industrial - Lignite Coal > CO2	0.000
In State Generation : CHP: Industrial - Lignite Coal > N2O	0.000
In State Generation : CHP: Industrial - Natural Gas > CH4	0.004
In State Generation : CHP: Industrial - Natural Gas > CO2	10.594
In State Generation : CHP: Industrial - Natural Gas > N2O	0.006
In State Generation : CHP: Industrial - Other Coal > CH4	0.000
In State Generation : CHP: Industrial - Other Coal > CO2	0.190
In State Generation : CHP: Industrial - Other Coal > N2O	0.001
In State Generation : CHP: Industrial - Petroleum Coke > CH4	0.000
In State Generation : CHP: Industrial - Petroleum Coke > CO2	0.452
In State Generation : CHP: Industrial - Petroleum Coke > N2O	0.001
In State Generation : CHP: Industrial - Propane > CH4	0.000
In State Generation : CHP: Industrial - Propane > CO2	0.000
In State Generation : CHP: Industrial - Propane > N2O	0.000
In State Generation : CHP: Industrial - Refinery Gas > CH4	0.000
In State Generation : CHP: Industrial - Refinery Gas > CO2	0.843
In State Generation : CHP: Industrial - Refinery Gas > N2O	0.000
In State Generation : CHP: Industrial - Residual Fuel Oil > CH4	0.000
In State Generation : CHP: Industrial - Residual Fuel Oil > CO2	0.004
In State Generation : CHP: Industrial - Residual Fuel Oil > N2O	0.000
In State Generation : CHP: Industrial - Tires > CH4	0.000
In State Generation : CHP: Industrial - Tires > CO2	0.063
In State Generation : CHP: Industrial - Tires > N2O	0.000
In State Generation : CHP: Industrial - Waste Oil > CH4	0.001
In State Generation : CHP: Industrial - Waste Oil > CO2	0.082
In State Generation : CHP: Industrial - Waste Oil > N2O	0.001
1A1b - Petroleum Refining	27.63
Petroleum Refining - Associated gas > CH4	0.000
Petroleum Refining - Associated gas > CO2	0.655
Petroleum Refining - Associated gas > N2O	0.000

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	Petroleum Refining - Catalyst Coke > CH4	0.004
	Petroleum Refining - Catalyst Coke > CO2	5.147
	Petroleum Refining - Catalyst Coke > N2O	0.011
	Petroleum Refining - Distillate > CH4	0.000
	Petroleum Refining - Distillate > CO2	0.004
	Petroleum Refining - Distillate > N2O	0.000
	Petroleum Refining - LPG > CH4	0.000
	Petroleum Refining - LPG > CO2	0.858
	Petroleum Refining - LPG > N2O	0.000
	Petroleum Refining - Natural Gas > CH4	0.002
	Petroleum Refining - Natural Gas > CO2	4.305
	Petroleum Refining - Natural Gas > N2O	0.003
	Petroleum Refining - Petroleum Coke > CH4	0.000
	Petroleum Refining - Petroleum Coke > CO2	0.597
	Petroleum Refining - Petroleum Coke > N2O	0.001
	Petroleum Refining - Refinery Gas > CH4	0.005
	Petroleum Refining - Refinery Gas > CO2	15.820
	Petroleum Refining - Refinery Gas > N2O	0.008
	Petroleum Refining - Residual Fuel Oil > CH4	0.000
	Petroleum Refining - Residual Fuel Oil > CO2	0.212
	Petroleum Refining - Residual Fuel Oil > N2O	0.001
1A1c - Manufacture of Solid Fuels and Other Energy Industries		13.86
<i>1A1cii - Other Energy Industries</i>		<i>13.858</i>
	Oil & Gas Extraction - Associated gas > CH4	0.002
	Oil & Gas Extraction - Associated gas > CO2	5.271
	Oil & Gas Extraction - Associated gas > N2O	0.003
	Oil & Gas Extraction - Crude oil > CH4	0.002
	Oil & Gas Extraction - Crude oil > CO2	2.491
	Oil & Gas Extraction - Crude oil > N2O	0.006
	Oil & Gas Extraction - Distillate > CH4	0.000
	Oil & Gas Extraction - Distillate > CO2	0.210
	Oil & Gas Extraction - Distillate > N2O	0.001
	Oil & Gas Extraction - Natural Gas > CH4	0.002
	Oil & Gas Extraction - Natural Gas > CO2	5.726
	Oil & Gas Extraction - Natural Gas > N2O	0.003
	Oil & Gas Extraction - Residual Fuel Oil > CH4	0.000
	Oil & Gas Extraction - Residual Fuel Oil > CO2	0.013
	Oil & Gas Extraction - Residual Fuel Oil > N2O	0.000
	Pipelines : Natural Gas Pipelines - Natural Gas > CH4	0.000
	Pipelines : Natural Gas Pipelines - Natural Gas > CO2	0.000
	Pipelines : Natural Gas Pipelines - Natural Gas > N2O	0.000
	Pipelines : Non Natural Gas Pipelines - Natural Gas > CH4	0.000
	Pipelines : Non Natural Gas Pipelines - Natural Gas > CO2	0.127
	Pipelines : Non Natural Gas Pipelines - Natural Gas > N2O	0.000
1A2 - Manufacturing Industries and Construction		24.24
	Manufacturing : Primary Metals - Natural Gas > CH4	0.000
	Manufacturing : Primary Metals - Natural Gas > CO2	0.943
	Manufacturing : Primary Metals - Natural Gas > N2O	0.001
1A2c - Chemicals		0.96
	Manufacturing : Chemicals & Allied Products : Fuel Use - Natural Gas > CH4	0.000
	Manufacturing : Chemicals & Allied Products : Fuel Use - Natural Gas > CO2	0.960
	Manufacturing : Chemicals & Allied Products : Fuel Use - Natural Gas > N2O	0.001

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1A2d - Pulp, Paper and Print	1.91
Manufacturing : Printing & Publishing - Natural Gas > CH4	0.000
Manufacturing : Printing & Publishing - Natural Gas > CO2	0.113
Manufacturing : Printing & Publishing - Natural Gas > N2O	0.000
Manufacturing : Pulp & Paper - Natural Gas > CH4	0.000
Manufacturing : Pulp & Paper - Natural Gas > CO2	0.438
Manufacturing : Pulp & Paper - Natural Gas > N2O	0.000
Manufacturing : Pulp & Paper : Paper Mills - Natural Gas > CH4	0.000
Manufacturing : Pulp & Paper : Paper Mills - Natural Gas > CO2	0.390
Manufacturing : Pulp & Paper : Paper Mills - Natural Gas > N2O	0.000
Manufacturing : Pulp & Paper : Paperboard Mills - Natural Gas > CH4	0.000
Manufacturing : Pulp & Paper : Paperboard Mills - Natural Gas > CO2	0.908
Manufacturing : Pulp & Paper : Paperboard Mills - Natural Gas > N2O	0.001
Manufacturing : Pulp & Paper : Pulp Mills - Natural Gas > CH4	0.000
Manufacturing : Pulp & Paper : Pulp Mills - Natural Gas > CO2	0.063
Manufacturing : Pulp & Paper : Pulp Mills - Natural Gas > N2O	0.000
1A2e - Food Processing, Beverages and Tobacco	3.07
Manufacturing : Food Products - Natural Gas > CH4	0.001
Manufacturing : Food Products - Natural Gas > CO2	1.409
Manufacturing : Food Products - Natural Gas > N2O	0.001
Manufacturing : Food Products : Food Processing - Natural Gas > CH4	0.000
Manufacturing : Food Products : Food Processing - Natural Gas > CO2	1.197
Manufacturing : Food Products : Food Processing - Natural Gas > N2O	0.001
Manufacturing : Food Products : Sugar & Confections - Natural Gas > CH4	0.000
Manufacturing : Food Products : Sugar & Confections - Natural Gas > CO2	0.463
Manufacturing : Food Products : Sugar & Confections - Natural Gas > N2O	0.000
Manufacturing : Tobacco - Natural Gas > CH4	0.000
Manufacturing : Tobacco - Natural Gas > CO2	0.000
Manufacturing : Tobacco - Natural Gas > N2O	0.000
1A2f - Non-Metallic Minerals	5.12
Manufacturing : Stone, Clay, Glass & Cement - Natural Gas > CH4	0.000
Manufacturing : Stone, Clay, Glass & Cement - Natural Gas > CO2	0.845
Manufacturing : Stone, Clay, Glass & Cement - Natural Gas > N2O	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Biomass Waste Fuel > CH4	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Biomass Waste Fuel > N2O	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > CH4	0.006
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > CO2	2.890
Manufacturing : Stone, Clay, Glass & Cement : Cement - Coal > N2O	0.014
Manufacturing : Stone, Clay, Glass & Cement : Cement - Distillate > CH4	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Distillate > CO2	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Distillate > N2O	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Fossil Waste Fuel > CH4	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Fossil Waste Fuel > CO2	0.043
Manufacturing : Stone, Clay, Glass & Cement : Cement - Fossil Waste Fuel > N2O	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural Gas > CH4	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural Gas > CO2	0.154
Manufacturing : Stone, Clay, Glass & Cement : Cement - Natural Gas > N2O	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum Coke > CH4	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum Coke > CO2	0.286
Manufacturing : Stone, Clay, Glass & Cement : Cement - Petroleum Coke > N2O	0.001
Manufacturing : Stone, Clay, Glass & Cement : Cement - Residual Fuel Oil > CH4	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Residual Fuel Oil > CO2	0.045
Manufacturing : Stone, Clay, Glass & Cement : Cement - Residual Fuel Oil > N2O	0.000

California Greenhouse Gas Inventory for 1990 (millions of tonnes of CO2 equivalent)

(CO2 equivalence based upon IPCC Second Assessment Report's Global Warming Potentials)

Categories Included in the Inventory.

Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > CH4	0.000
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > CO2	0.032
Manufacturing : Stone, Clay, Glass & Cement : Cement - Tires > N2O	0.000
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural Gas > CH4	0.000
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural Gas > CO2	0.089
Manufacturing : Stone, Clay, Glass & Cement : Flat Glass - Natural Gas > N2O	0.000
Manufacturing : Stone, Clay, Glass & Cement : Glass Containers - Natural Gas > CH4	0.000
Manufacturing : Stone, Clay, Glass & Cement : Glass Containers - Natural Gas > CO2	0.715
Manufacturing : Stone, Clay, Glass & Cement : Glass Containers - Natural Gas > N2O	0.000
1A2g - Transport Equipment	0.53
Manufacturing : Transportation Equip. - Natural Gas > CH4	0.000
Manufacturing : Transportation Equip. - Natural Gas > CO2	0.533
Manufacturing : Transportation Equip. - Natural Gas > N2O	0.000
1A2h - Machinery	1.33
Manufacturing : Electric & Electronic Equip. - Natural Gas > CH4	0.000
Manufacturing : Electric & Electronic Equip. - Natural Gas > CO2	0.097
Manufacturing : Electric & Electronic Equip. - Natural Gas > N2O	0.000
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products - Natural Gas > CH4	0.000
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products - Natural Gas > CO2	0.188
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products - Natural Gas > N2O	0.000
Manufacturing : Electric & Electronic Equip. : Telephone & Broadcasting Equip. - Natural Gas > CH4	0.000
Manufacturing : Electric & Electronic Equip. : Telephone & Broadcasting Equip. - Natural Gas > CO2	0.064
Manufacturing : Electric & Electronic Equip. : Telephone & Broadcasting Equip. - Natural Gas > N2O	0.000
Manufacturing : Instruments & Related Products - Natural Gas > CH4	0.000
Manufacturing : Instruments & Related Products - Natural Gas > CO2	0.071
Manufacturing : Instruments & Related Products - Natural Gas > N2O	0.000
Manufacturing : Metal Durables : Computers & Office Machines - Natural Gas > CH4	0.000
Manufacturing : Metal Durables : Computers & Office Machines - Natural Gas > CO2	0.131
Manufacturing : Metal Durables : Computers & Office Machines - Natural Gas > N2O	0.000
Manufacturing : Metal Durables : Fabricated Metal Products - Natural Gas > CH4	0.000
Manufacturing : Metal Durables : Fabricated Metal Products - Natural Gas > CO2	0.580
Manufacturing : Metal Durables : Fabricated Metal Products - Natural Gas > N2O	0.000
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural Gas > CH4	0.000
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural Gas > CO2	0.202
Manufacturing : Metal Durables : Industrial Machinery & Equip. - Natural Gas > N2O	0.000
1A2i - Mining (excluding fuels) and Quarrying	0.03
Mining : Coal - Natural Gas > CH4	0.000
Mining : Coal - Natural Gas > CO2	0.000
Mining : Coal - Natural Gas > N2O	0.000
Mining : Metals - Natural Gas > CH4	0.000
Mining : Metals - Natural Gas > CO2	0.000
Mining : Metals - Natural Gas > N2O	0.000
Mining : Non Metals - Natural Gas > CH4	0.000
Mining : Non Metals - Natural Gas > CO2	0.027
Mining : Non Metals - Natural Gas > N2O	0.000
1A2j - Wood and Wood Products	0.24
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural Gas > CH4	0.000
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural Gas > CO2	0.052
Manufacturing : Wood & Furniture : Furniture & Fixtures - Natural Gas > N2O	0.000
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural Gas > CH4	0.000

California Greenhouse Gas Inventory for 1990 (millions of tonnes of CO2 equivalent)

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Categories Included in the Inventory.

Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural Gas > CO2	0.184
Manufacturing : Wood & Furniture : Lumber & Wood Products - Natural Gas > N2O	0.000
1A2k - Construction	0.67
Manufacturing : Construction - Gasoline > CH4	0.000
Manufacturing : Construction - Gasoline > CO2	0.540
Manufacturing : Construction - Gasoline > N2O	0.001
Manufacturing : Construction - Natural Gas > CH4	0.000
Manufacturing : Construction - Natural Gas > CO2	0.125
Manufacturing : Construction - Natural Gas > N2O	0.000
1A2l - Textile and Leather	0.38
Manufacturing : Textiles : Apparel - Natural Gas > CH4	0.000
Manufacturing : Textiles : Apparel - Natural Gas > CO2	0.043
Manufacturing : Textiles : Apparel - Natural Gas > N2O	0.000
Manufacturing : Textiles : Leather - Natural Gas > CH4	0.000
Manufacturing : Textiles : Leather - Natural Gas > CO2	0.008
Manufacturing : Textiles : Leather - Natural Gas > N2O	0.000
Manufacturing : Textiles : Textile Mills - Natural Gas > CH4	0.000
Manufacturing : Textiles : Textile Mills - Natural Gas > CO2	0.327
Manufacturing : Textiles : Textile Mills - Natural Gas > N2O	0.000
1A2m - Non-specified Industry.	9.04
Manufacturing - Coal > CH4	0.001
Manufacturing - Coal > CO2	0.552
Manufacturing - Coal > N2O	0.003
Manufacturing - Distillate > CH4	0.003
Manufacturing - Distillate > CO2	3.934
Manufacturing - Distillate > N2O	0.010
Manufacturing - Gasoline > CH4	0.001
Manufacturing - Gasoline > CO2	1.182
Manufacturing - Gasoline > N2O	0.003
Manufacturing - Kerosene > CH4	0.000
Manufacturing - Kerosene > CO2	0.008
Manufacturing - Kerosene > N2O	0.000
Manufacturing - LPG > CH4	0.001
Manufacturing - LPG > CO2	1.982
Manufacturing - LPG > N2O	0.001
Manufacturing - Natural Gas > CH4	0.000
Manufacturing - Natural Gas > CO2	0.038
Manufacturing - Natural Gas > N2O	0.000
Manufacturing - Natural Gas Liquids > CH4	0.000
Manufacturing - Natural Gas Liquids > CO2	0.330
Manufacturing - Natural Gas Liquids > N2O	0.001
Manufacturing - Residual Fuel Oil > CH4	0.001
Manufacturing - Residual Fuel Oil > CO2	0.636
Manufacturing - Residual Fuel Oil > N2O	0.002
Manufacturing : Plastics & Rubber - Natural Gas > CH4	0.000
Manufacturing : Plastics & Rubber - Natural Gas > CO2	0.049
Manufacturing : Plastics & Rubber - Natural Gas > N2O	0.000
Manufacturing : Plastics & Rubber : Plastics - Natural Gas > CH4	0.000
Manufacturing : Plastics & Rubber : Plastics - Natural Gas > CO2	0.185
Manufacturing : Plastics & Rubber : Plastics - Natural Gas > N2O	0.000
Not Specified Industrial - Wood (Wet) > CH4	0.041
Not Specified Industrial - Wood (Wet) > N2O	0.081

California Greenhouse Gas Inventory for 1990 (millions of tonnes of CO2 equivalent)

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Categories Included in the Inventory.

1A3 - Transport		150.02
	Not Specified Transportation - Distillate > CH4	0.003
	Not Specified Transportation - Distillate > CO2	2.132
	Not Specified Transportation - Distillate > N2O	0.017
	Not Specified Transportation - LPG > CH4	0.000
	Not Specified Transportation - LPG > CO2	0.208
	Not Specified Transportation - LPG > N2O	0.000
	Not Specified Transportation - Residual Fuel Oil > CH4	0.000
	Not Specified Transportation - Residual Fuel Oil > CO2	0.000
	Not Specified Transportation - Residual Fuel Oil > N2O	0.000
1A3a - Civil Aviation		5.13
	Aviation - Natural Gas > CH4	0.000
	Aviation - Natural Gas > CO2	0.018
	Aviation - Natural Gas > N2O	0.000
<i>1A3aii - Domestic Aviation</i>		<i>5.113</i>
	Aviation : Domestic Air transport - Aviation Gasoline > CH4	0.007
	Aviation : Domestic Air transport - Aviation Gasoline > CO2	0.386
	Aviation : Domestic Air transport - Aviation Gasoline > N2O	0.002
	Aviation : Domestic Air transport : Intrastate - Jet Fuel > CH4	0.003
	Aviation : Domestic Air transport : Intrastate - Jet Fuel > CO2	4.671
	Aviation : Domestic Air transport : Intrastate - Jet Fuel > N2O	0.045
1A3b - Road Transportation		137.99
	On road : Freight - Natural Gas > CH4	0.000
	On road : Freight - Natural Gas > CO2	0.016
	On road : Freight - Natural Gas > N2O	0.000
	On road : Passenger - Natural Gas > CH4	0.000
	On road : Passenger - Natural Gas > CO2	0.010
	On road : Passenger - Natural Gas > N2O	0.000
	On road : Passenger : Taxis & Buses - Natural Gas > CH4	0.000
	On road : Passenger : Taxis & Buses - Natural Gas > CO2	0.010
	On road : Passenger : Taxis & Buses - Natural Gas > N2O	0.000
<i>1A3bi - Cars</i>		<i>63.746</i>
	On road : Passenger cars - Distillate > CH4	0.001
	On road : Passenger cars - Distillate > CO2	0.610
	On road : Passenger cars - Distillate > N2O	0.006
	On road : Passenger cars - Gasoline > CH4	0.436
	On road : Passenger cars - Gasoline > CO2	59.676
	On road : Passenger cars - Gasoline > N2O	3.017
<i>1A3bii - Light-duty Trucks</i>		<i>44.754</i>
	On road : Light-Duty Trucks - Distillate > CH4	0.000
	On road : Light-Duty Trucks - Distillate > CO2	0.520
	On road : Light-Duty Trucks - Distillate > N2O	0.005
	On road : Light-Duty Trucks - Gasoline > CH4	0.317
	On road : Light-Duty Trucks - Gasoline > CO2	41.337
	On road : Light-Duty Trucks - Gasoline > N2O	2.574
<i>1A3biii - Heavy-duty Trucks and Buses</i>		<i>29.031</i>
	On road : Heavy-Duty Vehicles - Distillate > CH4	0.021
	On road : Heavy-Duty Vehicles - Distillate > CO2	17.401
	On road : Heavy-Duty Vehicles - Distillate > N2O	0.176
	On road : Heavy-Duty Vehicles - Gasoline > CH4	0.140
	On road : Heavy-Duty Vehicles - Gasoline > CO2	10.582

California Greenhouse Gas Inventory for 1990 (millions of tonnes of CO2 equivalent)

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Categories Included in the Inventory.

	On road : Heavy-Duty Vehicles - Gasoline > N2O	0.711
<i>1A3biv - Motorcycles</i>		<i>0.426</i>
	On road : Motorcycles - Gasoline > CH4	0.017
	On road : Motorcycles - Gasoline > CO2	0.376
	On road : Motorcycles - Gasoline > N2O	0.032
<i>1A3c - Railways</i>		<i>2.33</i>
	Rail - Distillate > CH4	0.004
	Rail - Distillate > CO2	2.290
	Rail - Distillate > N2O	0.018
	Rail - Natural Gas > CH4	0.000
	Rail - Natural Gas > CO2	0.019
	Rail - Natural Gas > N2O	0.000
<i>1A3d - Water-borne Navigation</i>		<i>2.21</i>
<i>1A3di - International Water-borne Navigation (International Bunkers)</i>		<i>0.548</i>
	Water-borne : International : Port activities - Distillate > CH4	0.000
	Water-borne : International : Port activities - Distillate > CO2	0.020
	Water-borne : International : Port activities - Distillate > N2O	0.001
	Water-borne : International : Port activities - Residual Fuel Oil > CH4	0.000
	Water-borne : International : Port activities - Residual Fuel Oil > CO2	0.143
	Water-borne : International : Port activities - Residual Fuel Oil > N2O	0.002
	Water-borne : International : Transit (CA waters) - Distillate > CH4	0.000
	Water-borne : International : Transit (CA waters) - Distillate > CO2	0.007
	Water-borne : International : Transit (CA waters) - Distillate > N2O	0.000
	Water-borne : International : Transit (CA waters) - Residual Fuel Oil > CH4	0.001
	Water-borne : International : Transit (CA waters) - Residual Fuel Oil > CO2	0.369
	Water-borne : International : Transit (CA waters) - Residual Fuel Oil > N2O	0.004
<i>1A3dii - Domestic Water-borne Navigation</i>		<i>1.662</i>
	Water-borne - Natural Gas > CH4	0.000
	Water-borne - Natural Gas > CO2	0.001
	Water-borne - Natural Gas > N2O	0.000
	Water-borne : Interstate : Port activities - Distillate > CH4	0.000
	Water-borne : Interstate : Port activities - Distillate > CO2	0.006
	Water-borne : Interstate : Port activities - Distillate > N2O	0.000
	Water-borne : Interstate : Port activities - Residual Fuel Oil > CH4	0.000
	Water-borne : Interstate : Port activities - Residual Fuel Oil > CO2	0.068
	Water-borne : Interstate : Port activities - Residual Fuel Oil > N2O	0.001
	Water-borne : Interstate : Transit (CA waters) - Distillate > CH4	0.000
	Water-borne : Interstate : Transit (CA waters) - Distillate > CO2	0.002
	Water-borne : Interstate : Transit (CA waters) - Distillate > N2O	0.000
	Water-borne : Interstate : Transit (CA waters) - Residual Fuel Oil > CH4	0.000
	Water-borne : Interstate : Transit (CA waters) - Residual Fuel Oil > CO2	0.146
	Water-borne : Interstate : Transit (CA waters) - Residual Fuel Oil > N2O	0.002
	Water-borne : Intrastate : Harbor craft - Distillate > CH4	0.003
	Water-borne : Intrastate : Harbor craft - Distillate > CO2	1.167
	Water-borne : Intrastate : Harbor craft - Distillate > N2O	0.046
	Water-borne : Intrastate : Port activities - Distillate > CH4	0.000
	Water-borne : Intrastate : Port activities - Distillate > CO2	0.014
	Water-borne : Intrastate : Port activities - Distillate > N2O	0.001
	Water-borne : Intrastate : Port activities - Residual Fuel Oil > CH4	0.000
	Water-borne : Intrastate : Port activities - Residual Fuel Oil > CO2	0.118
	Water-borne : Intrastate : Port activities - Residual Fuel Oil > N2O	0.002
	Water-borne : Intrastate : Transit (CA waters) - Distillate > CH4	0.000
	Water-borne : Intrastate : Transit (CA waters) - Distillate > CO2	0.002

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Categories Included in the Inventory.

Water-borne : Intrastate : Transit (CA waters) - Distillate > N2O	0.000
Water-borne : Intrastate : Transit (CA waters) - Residual Fuel Oil > CH4	0.000
Water-borne : Intrastate : Transit (CA waters) - Residual Fuel Oil > CO2	0.082
Water-borne : Intrastate : Transit (CA waters) - Residual Fuel Oil > N2O	0.001
1A4 - Other Sectors	48.19
1A4a - Commercial/Institutional	14.03
Communication - Natural Gas > CH4	0.000
Communication - Natural Gas > CO2	0.002
Communication - Natural Gas > N2O	0.000
Communication : Other Message Communications - Natural Gas > CH4	0.000
Communication : Other Message Communications - Natural Gas > CO2	0.000
Communication : Other Message Communications - Natural Gas > N2O	0.000
Communication : Radio Broadcasting Stations - Natural Gas > CH4	0.000
Communication : Radio Broadcasting Stations - Natural Gas > CO2	0.005
Communication : Radio Broadcasting Stations - Natural Gas > N2O	0.000
Communication : Telephone & Cell Phone Services - Natural Gas > CH4	0.000
Communication : Telephone & Cell Phone Services - Natural Gas > CO2	0.048
Communication : Telephone & Cell Phone Services - Natural Gas > N2O	0.000
Communication : U.S. Postal Service - Natural Gas > CH4	0.000
Communication : U.S. Postal Service - Natural Gas > CO2	0.014
Communication : U.S. Postal Service - Natural Gas > N2O	0.000
Domestic Utilities : Electricity, Natural Gas & Steam - Natural Gas > CH4	0.000
Domestic Utilities : Electricity, Natural Gas & Steam - Natural Gas > CO2	0.141
Domestic Utilities : Electricity, Natural Gas & Steam - Natural Gas > N2O	0.000
Domestic Utilities : Sewerage Systems - Natural Gas > CH4	0.000
Domestic Utilities : Sewerage Systems - Natural Gas > CO2	0.074
Domestic Utilities : Sewerage Systems - Natural Gas > N2O	0.000
Domestic Utilities : Streetlights - Natural Gas > CH4	0.000
Domestic Utilities : Streetlights - Natural Gas > CO2	0.001
Domestic Utilities : Streetlights - Natural Gas > N2O	0.000
Domestic Utilities : Water Supply - Natural Gas > CH4	0.000
Domestic Utilities : Water Supply - Natural Gas > CO2	0.122
Domestic Utilities : Water Supply - Natural Gas > N2O	0.000
Education : College - Natural Gas > CH4	0.001
Education : College - Natural Gas > CO2	0.696
Education : College - Natural Gas > N2O	0.000
Education : School - Natural Gas > CH4	0.001
Education : School - Natural Gas > CO2	0.717
Education : School - Natural Gas > N2O	0.000
Food Services : Food & Liquor - Natural Gas > CH4	0.001
Food Services : Food & Liquor - Natural Gas > CO2	0.255
Food Services : Food & Liquor - Natural Gas > N2O	0.000
Food Services : Restaurant - Natural Gas > CH4	0.003
Food Services : Restaurant - Natural Gas > CO2	1.633
Food Services : Restaurant - Natural Gas > N2O	0.001
Health Care - Natural Gas > CH4	0.003
Health Care - Natural Gas > CO2	1.320
Health Care - Natural Gas > N2O	0.001
Hotels - Natural Gas > CH4	0.001
Hotels - Natural Gas > CO2	0.669
Hotels - Natural Gas > N2O	0.000
National Security - Natural Gas > CH4	0.001
National Security - Natural Gas > CO2	0.563
National Security - Natural Gas > N2O	0.000

California Greenhouse Gas Inventory for 1990 (millions of tonnes of CO2 equivalent)

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Categories Included in the Inventory.

	Not Specified Commercial - Coal > CH4	0.000
	Not Specified Commercial - Coal > CO2	0.055
	Not Specified Commercial - Coal > N2O	0.000
	Not Specified Commercial - Distillate > CH4	0.005
	Not Specified Commercial - Distillate > CO2	1.799
	Not Specified Commercial - Distillate > N2O	0.005
	Not Specified Commercial - Gasoline > CH4	0.002
	Not Specified Commercial - Gasoline > CO2	0.720
	Not Specified Commercial - Gasoline > N2O	0.002
	Not Specified Commercial - Kerosene > CH4	0.000
	Not Specified Commercial - Kerosene > CO2	0.069
	Not Specified Commercial - Kerosene > N2O	0.000
	Not Specified Commercial - LPG > CH4	0.000
	Not Specified Commercial - LPG > CO2	0.229
	Not Specified Commercial - LPG > N2O	0.000
	Not Specified Commercial - Natural Gas > CH4	0.004
	Not Specified Commercial - Natural Gas > CO2	2.238
	Not Specified Commercial - Natural Gas > N2O	0.001
	Not Specified Commercial - Residual Fuel Oil > CH4	0.001
	Not Specified Commercial - Residual Fuel Oil > CO2	0.414
	Not Specified Commercial - Residual Fuel Oil > N2O	0.001
	Not Specified Commercial - Wood (Wet) > CH4	0.025
	Not Specified Commercial - Wood (Wet) > N2O	0.005
	Offices - Natural Gas > CH4	0.003
	Offices - Natural Gas > CO2	1.452
	Offices - Natural Gas > N2O	0.001
	Retail & Wholesale : Refrigerated Warehousing - Natural Gas > CH4	0.000
	Retail & Wholesale : Refrigerated Warehousing - Natural Gas > CO2	0.079
	Retail & Wholesale : Refrigerated Warehousing - Natural Gas > N2O	0.000
	Retail & Wholesale : Retail - Natural Gas > CH4	0.001
	Retail & Wholesale : Retail - Natural Gas > CO2	0.289
	Retail & Wholesale : Retail - Natural Gas > N2O	0.000
	Retail & Wholesale : Warehousing - Natural Gas > CH4	0.001
	Retail & Wholesale : Warehousing - Natural Gas > CO2	0.313
	Retail & Wholesale : Warehousing - Natural Gas > N2O	0.000
	Transportation Services : Airports - Natural Gas > CH4	0.000
	Transportation Services : Airports - Natural Gas > CO2	0.024
	Transportation Services : Airports - Natural Gas > N2O	0.000
	Transportation Services : Transportation - Natural Gas > CH4	0.000
	Transportation Services : Transportation - Natural Gas > CO2	0.007
	Transportation Services : Transportation - Natural Gas > N2O	0.000
	Transportation Services : Water Transportation - Natural Gas > CH4	0.000
	Transportation Services : Water Transportation - Natural Gas > CO2	0.004
	Transportation Services : Water Transportation - Natural Gas > N2O	0.000
1A4b - Residential		29.66
	Household Use - Distillate > CH4	0.000
	Household Use - Distillate > CO2	0.089
	Household Use - Distillate > N2O	0.000
	Household Use - Kerosene > CH4	0.000
	Household Use - Kerosene > CO2	0.054
	Household Use - Kerosene > N2O	0.000
	Household Use - LPG > CH4	0.002
	Household Use - LPG > CO2	1.298
	Household Use - LPG > N2O	0.001

California Greenhouse Gas Inventory for 1990 (millions of tonnes of CO2 equivalent)

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Categories Included in the Inventory.

	Household Use - Natural Gas > CH4	0.055
	Household Use - Natural Gas > CO2	27.663
	Household Use - Natural Gas > N2O	0.016
	Household Use - Wood (Wet) > CH4	0.400
	Household Use - Wood (Wet) > N2O	0.079
1A4c - Agriculture/Forestry/Fishing/Fish Farms		4.50
	Ag Energy Use - Distillate > CH4	0.010
	Ag Energy Use - Distillate > CO2	3.355
	Ag Energy Use - Distillate > N2O	0.009
	Ag Energy Use - Gasoline > CH4	0.001
	Ag Energy Use - Gasoline > CO2	0.433
	Ag Energy Use - Gasoline > N2O	0.001
	Ag Energy Use - Kerosene > CH4	0.000
	Ag Energy Use - Kerosene > CO2	0.002
	Ag Energy Use - Kerosene > N2O	0.000
	Ag Energy Use - LPG > CH4	0.000
	Ag Energy Use - LPG > CO2	0.154
	Ag Energy Use - LPG > N2O	0.000
	Ag Energy Use - Natural Gas > CH4	0.000
	Ag Energy Use - Natural Gas > CO2	0.000
	Ag Energy Use - Natural Gas > N2O	0.000
	Ag Energy Use : Crop Production - Natural Gas > CH4	0.001
	Ag Energy Use : Crop Production - Natural Gas > CO2	0.447
	Ag Energy Use : Crop Production - Natural Gas > N2O	0.000
	Ag Energy Use : Irrigation - Natural Gas > CH4	0.000
	Ag Energy Use : Irrigation - Natural Gas > CO2	0.038
	Ag Energy Use : Irrigation - Natural Gas > N2O	0.000
	Ag Energy Use : Livestock - Natural Gas > CH4	0.000
	Ag Energy Use : Livestock - Natural Gas > CO2	0.053
	Ag Energy Use : Livestock - Natural Gas > N2O	0.000
1A5 - Non-Specified		1.38
	Flaring - Natural Gas > CH4	0.000
	Flaring - Natural Gas > CO2	0.149
	Flaring - Natural Gas > N2O	0.000
	Not Specified Not Specified - LPG > CH4	0.000
	Not Specified Not Specified - LPG > CO2	0.134
	Not Specified Not Specified - LPG > N2O	0.000
	Not Specified Not Specified - Natural Gas > CH4	0.000
	Not Specified Not Specified - Natural Gas > CO2	1.097
	Not Specified Not Specified - Natural Gas > N2O	0.001
1B - Fugitive Emissions from Fuels		5.25
1B2 - Oil and Natural Gas		2.94
	Manufacturing : Chemicals & Allied Products : Fugitives > Fugitive emissions > CH4	0.022
	Manufacturing : Construction : Fugitives > Fugitive emissions > CH4	0.005
	Manufacturing : Electric & Electronic Equip. : Fugitives > Fugitive emissions > CH4	0.000
	Manufacturing : Food Products : Fugitives > Fugitive emissions > CH4	0.013
	Manufacturing : Fugitives > Fugitive emissions > CH4	0.046
	Manufacturing : Plastics & Rubber : Fugitives > Fugitive emissions > CH4	0.007
	Manufacturing : Primary Metals : Fugitives > Fugitive emissions > CH4	0.001
	Manufacturing : Pulp & Paper : Fugitives > Fugitive emissions > CH4	0.004
	Manufacturing : Stone, Clay, Glass & Cement : Fugitives > Fugitive emissions > CH4	0.006

California Greenhouse Gas Inventory for 1990 (millions of tonnes of CO2 equivalent)

(CO2 equivalence based upon IPCC Second Assessment Report's Global Warming Potentials)

Categories Included in the Inventory.

Manufacturing : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.000
Not Specified Industrial : Fugitives > Fugitive emissions > CH4	0.263
Oil & Gas Extraction : Petroleum Gas Seeps : Fugitives > Fugitive emissions > CH4	0.241
Oil & Gas Extraction : Process Losses : Fugitives > Fugitive emissions > CH4	0.418
Oil & Gas Extraction : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.257
Petroleum Marketing : Process Losses : Fugitives > Fugitive emissions > CH4	0.008
Petroleum Marketing : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.008
1B2a - Oil	0.14
<i>1B2a.iii - All Other</i>	<i>0.139</i>
Petroleum Refining : Process Losses : Fugitives > Fugitive emissions > CH4	0.137
Petroleum Refining : Storage Tanks : Fugitives > Fugitive emissions > CH4	0.002
1B2b - Natural Gas	1.50
Pipelines : Natural Gas : Fugitives > Fugitive emissions > CH4	1.505
1B3 - Other Emissions from Energy Production	2.31
In State Generation : Merchant Owned > Geothermal power - Geothermal > CO2	0.968
In State Generation : Utility Owned > Geothermal power - Geothermal > CO2	1.339
2 - Industrial Processes and Product Use	18.34
2A - Mineral Industry	4.85
2A1 - Cement Production	4.62
Manufacturing : Stone, Clay, Glass & Cement : Cement > Clinker production > CO2	4.619
2A2 - Lime Production	0.23
Manufacturing : Stone, Clay, Glass & Cement : Lime > Lime production > CO2	0.234
2B - Chemical Industry	2.34
Manufacturing : Chemicals & Allied Products > Fuel consumption - LPG > CO2	0.052
Manufacturing : Chemicals & Allied Products > Fuel consumption - Natural Gas > CO2	0.862
Manufacturing : Chemicals & Allied Products > Fuel consumption - Petroleum feedstocks > CO2	0.894
2B2 - Nitric Acid Production	0.53
Manufacturing : Chemicals & Allied Products : Nitric Acid > Nitric acid production > N2O	0.535
2D - Non-Energy Products from Fuels and Solvent Use	2.29
2D1 - Lubricant Use	1.13
Not Specified Industrial > Fuel consumption - Lubricants > CO2	0.484
Not Specified Transportation > Fuel consumption - Lubricants > CO2	0.646
2D2 - Paraffin Wax Use	0.00
Not Specified Industrial > Fuel consumption - Waxes > CO2	0.000
2D4 - Other (please specify)	1.16
Not Specified Industrial > Fuel consumption - Asphalt > CO2	0.000
Not Specified Industrial > Fuel consumption - Naphtha > CO2	0.938
Not Specified Industrial > Fuel consumption - Other Petroleum Products > CO2	0.219
2E - Electronics Industry	0.59
Manufacturing : Electric & Electronic Equip. : Semiconductors & Related Products > Semiconductor manufacture > Halogenated gases (in CO2 Eq.)	0.592
2F - Product Uses as Substitutes for Ozone Depleting Substances	0.04
Not Specified Not Specified > Use of substitutes for ozone depleting substances > CF4	0.000
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-125	0.000

California Greenhouse Gas Inventory for 1990 (millions of tonnes of CO2 equivalent)

(CO2 equivalence based upon IPCC Second Assessment Report's Global Warming Potentials)

Categories Included in the Inventory.

Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-134a	0.000
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-143a	0.000
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-23	0.000
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-236fa	0.000
Not Specified Not Specified > Use of substitutes for ozone depleting substances > HFC-32	0.000
Not Specified Not Specified > Use of substitutes for ozone depleting substances > Other ODS substitutes	0.036
2G - Other Product Manufacture and Use	3.18
2G1 - Electrical Equipment	2.58
2G1b - Use of Electrical Equipment	2.58
Imported Electricity : Transmission and Distribution > SF6 use > SF6	1.016
In State Generation : Transmission and Distribution > SF6 use > SF6	1.561
2G4 - Other (Please specify)	0.61
Not Specified Industrial > CO2 Consumption > CO2	0.129
Not Specified Industrial > Limestone and dolomite consumption > CO2	0.138
Not Specified Industrial > Soda ash consumption > CO2	0.341
2H - Other	5.05
2H3 - Other (please specify)	5.05
Petroleum Refining : Transformation > Fuel consumption - Naphtha > CO2	0.416
Petroleum Refining : Transformation > Fuel consumption - Natural Gas > CO2	2.100
Petroleum Refining : Transformation > Fuel consumption - Natural Gas Liquids > CO2	0.275
Petroleum Refining : Transformation > Fuel consumption - Refinery Gas > CO2	2.100
Petroleum Refining : Transformation > Fuel consumption - Residual Fuel Oil > CO2	0.154
3 - Agriculture, Forestry and Other Land Use	19.11
3A - Livestock	11.67
3A1 - Enteric Fermentation	6.67
3A1a - Cattle	6.25
3A1ai - Dairy Cows	3.632
Livestock population - Dairy Cows > CH4	3.014
Livestock population - Dairy replacements 12-23 months > CH4	0.488
Livestock population - Dairy replacements 7-11 months > CH4	0.129
3A1aii - Other Cattle	2.618
Livestock population - Beef Cows > CH4	1.480
Livestock population - Beef replacements 12-23 months > CH4	0.115
Livestock population - Beef replacements 7-11 months > CH4	0.031
Livestock population - Bulls > CH4	0.079
Livestock population - Heifer Feedlot > CH4	0.122
Livestock population - Heifer Stockers > CH4	0.115
Livestock population - Steer Feedlot > CH4	0.243
Livestock population - Steer Stockers > CH4	0.434
3A1c - Sheep	0.17
Livestock population - Sheep > CH4	0.168
3A1d - Goats	0.00
Livestock population - Goats > CH4	0.004
3A1f - Horses	0.24
Livestock population - Horses > CH4	0.240
3A1h - Swine	0.01

California Greenhouse Gas Inventory for 1990 (millions of tonnes of CO2 equivalent)

(CO2 equivalence based upon IPCC Second Assessment Report's Global Warming Potentials)

Categories Included in the Inventory.

	Livestock population - Swine > CH4	0.006
3A2 - Manure Management		5.00
3A2a - Cattle		4.68
<i>3A2ai - Dairy Cows</i>		4.359
	Livestock population - Dairy Cows > CH4	4.012
	Livestock population - Dairy Cows > N2O	0.084
	Livestock population - Dairy Heifers > CH4	0.027
	Livestock population - Dairy Heifers > N2O	0.237
<i>3A2aia - Other Dairy Cows</i>		0.324
	Livestock population - Feedlot - Heifers 500+ lbs > CH4	0.008
	Livestock population - Feedlot - Heifers 500+ lbs > N2O	0.041
	Livestock population - Feedlot - Steers 500+ lbs > CH4	0.030
	Livestock population - Feedlot - Steers 500+ lbs > N2O	0.167
	Livestock population - Not on Feed - Beef Cows > CH4	0.044
	Livestock population - Not on Feed - Beef Cows > N2O	0.000
	Livestock population - Not on Feed - Bulls 500+ lbs > CH4	0.004
	Livestock population - Not on Feed - Bulls 500+ lbs > N2O	0.000
	Livestock population - Not on Feed - Calves <500 lbs > CH4	0.012
	Livestock population - Not on Feed - Calves <500 lbs > N2O	0.000
	Livestock population - Not on Feed - Heifers 500+ lbs > CH4	0.009
	Livestock population - Not on Feed - Heifers 500+ lbs > N2O	0.000
	Livestock population - Not on Feed - Steers 500+ lbs > CH4	0.010
	Livestock population - Not on Feed - Steers 500+ lbs > N2O	0.000
3A2c - Sheep		0.02
	Livestock population - Sheep > CH4	0.016
	Livestock population - Sheep > N2O	0.002
3A2d - Goats		0.00
	Livestock population - Goats > CH4	0.000
	Livestock population - Goats > N2O	0.000
3A2f - Horses		0.03
	Livestock population - Horses > CH4	0.035
	Livestock population - Horses > N2O	0.000
3A2h - Swine		0.07
	Livestock population - Swine - Breeding > CH4	0.017
	Livestock population - Swine - Breeding > N2O	0.000
	Livestock population - Swine - Market <60 lbs > CH4	0.010
	Livestock population - Swine - Market <60 lbs > N2O	0.000
	Livestock population - Swine - Market 120-179 lbs > CH4	0.013
	Livestock population - Swine - Market 120-179 lbs > N2O	0.000
	Livestock population - Swine - Market 180+ lbs > CH4	0.015
	Livestock population - Swine - Market 180+ lbs > N2O	0.000
	Livestock population - Swine - Market 60-119 lbs > CH4	0.012
	Livestock population - Swine - Market 60-119 lbs > N2O	0.000
3A2i - Poultry		0.20
	Livestock population - Broilers > CH4	0.016
	Livestock population - Broilers > N2O	0.007
	Livestock population - Hens 1+ yr > CH4	0.096
	Livestock population - Hens 1+ yr > N2O	0.019
	Livestock population - Other Chickens > CH4	0.001
	Livestock population - Other Chickens > N2O	0.000
	Livestock population - Pullets > CH4	0.018

California Greenhouse Gas Inventory for 1990 (millions of tonnes of CO₂ equivalent)

(CO₂ equivalence based upon IPCC Second Assessment Report's Global Warming Potentials)

Categories Included in the Inventory.

	Livestock population - Pullets > N ₂ O	0.003
	Livestock population - Turkeys > CH ₄	0.024
	Livestock population - Turkeys > N ₂ O	0.012
3B - Land		0.19
3B1 - Forest Land		0.19
	Fire - Forest > N ₂ O	0.013
	Fire - Rangeland > N ₂ O	0.003
	Fire and other disturbances - Forest > CH ₄	0.153
	Fire and other disturbances - Rangeland > CH ₄	0.022
3C - Aggregate Sources and Non-CO₂ Emissions Sources on Land		7.26
3C1 - Emissions from Biomass Burning		0.12
3C1b - Biomass Burning in Croplands		0.12
	Crop acreage burned - Almond > CH ₄	0.006
	Crop acreage burned - Almond > N ₂ O	0.016
	Crop acreage burned - Barley > CH ₄	0.001
	Crop acreage burned - Barley > N ₂ O	0.002
	Crop acreage burned - Corn > CH ₄	0.002
	Crop acreage burned - Corn > N ₂ O	0.001
	Crop acreage burned - Rice > CH ₄	0.015
	Crop acreage burned - Rice > N ₂ O	0.060
	Crop acreage burned - Walnut > CH ₄	0.004
	Crop acreage burned - Walnut > N ₂ O	0.008
	Crop acreage burned - Wheat > CH ₄	0.005
	Crop acreage burned - Wheat > N ₂ O	0.004
3C2 - Liming		0.07
	Dolomite applied to soils > CO ₂	0.000
	Limestone applied to soils > CO ₂	0.072
3C4 - Direct N₂O Emissions from Managed Soils		5.20
	Histosols cultivation > N ₂ O	0.181
	Nitrogen applied in fertilizer - Organic fertilizers > N ₂ O	0.012
	Nitrogen applied in fertilizer - Synthetic fertilizers > N ₂ O	2.239
	Nitrogen fixed by legume crops > N ₂ O	1.052
	Nitrogen in crop residues > N ₂ O	0.093
	Nitrogen in manure deposited on pasture/range > N ₂ O	1.549
	Nitrogen in manure spread daily > N ₂ O	0.078
3C5 - Indirect N₂O Emissions from Managed Soils		1.44
	Nitrogen applied in fertilizer - Organic fertilizers > N ₂ O	0.003
	Nitrogen applied in fertilizer - Synthetic fertilizers > N ₂ O	0.249
	Nitrogen applied in fertilizer (leaching & runoff) - Organic fertilizers > N ₂ O	0.003
	Nitrogen applied in fertilizer (leaching & runoff) - Synthetic fertilizers > N ₂ O	0.504
	Nitrogen in manure (leaching & runoff) > N ₂ O	0.325
	Nitrogen volatilized from manure on soils > N ₂ O	0.361
3C7 - Rice Cultivations		0.41
	Harvested rice area > CH ₄	0.410

California Greenhouse Gas Inventory for 1990 (millions of tonnes of CO2 equivalent)
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(CO2 equivalence based upon IPCC Second Assessment Report's Global Warming Potentials)

Categories Included in the Inventory.

4 - Waste	9.42
4A - Solid Waste Disposal	6.26
4A1 - Managed Waste Disposal Sites	6.26
Landfills > Landfill emissions - Landfill Gas > CH4	6.256
Landfills > Landfill emissions - Landfill Gas > N2O	0.000
4D - Wastewater Treatment and Discharge	3.17
4D1 - Domestic Wastewater Treatment and Discharge	2.83
Waste water treatment : Domestic Waste Water > California Population > CH4	2.008
Waste water treatment : Domestic Waste Water > California Population > N2O	0.826
4D2 - Industrial Wastewater Treatment and Discharge	0.34
Manufacturing : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000
Oil & Gas Extraction : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000
Petroleum Marketing : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.000
Petroleum Refining : Wastewater Treatment : Fugitives > Fugitive emissions > CH4	0.002
Waste water treatment : Industrial Waste Water > Production Processed - Fruit and Vegetables > CH4	0.222
Waste water treatment : Industrial Waste Water > Production Processed - Poultry > CH4	0.042
Waste water treatment : Industrial Waste Water > Production Processed - Red Meat > CH4	0.069

Summary of Categories Included in the Inventory.

Gross California Emissions	433.29
Sinks and Sequestrations from Rangelands and Forestry	-6.69
Net California Emissions	426.60

California Greenhouse Gas Inventory for 1990 (millions of tonnes of CO2 equivalent)

(CO2 equivalence based upon IPCC Second Assessment Report's Global Warming Potentials)

Categories Excluded from the Inventory. ---

1 - Energy		59.02
1A - Fuel Combustion Activities		59.02
1A3 - Transport		59.02
1A3a - Civil Aviation		33.95
1A3ai - International Aviation (International Bunkers)		14.597
Aviation : International Civil Aviation - Jet Fuel > CH4 (Excluded)		0.008
Aviation : International Civil Aviation - Jet Fuel > CO2 (Excluded)		14.449
Aviation : International Civil Aviation - Jet Fuel > N2O (Excluded)		0.140
1A3aii - Domestic Aviation		19.357
Aviation : Domestic Air transport : Interstate - Jet Fuel > CH4 (Excluded)		0.011
Aviation : Domestic Air transport : Interstate - Jet Fuel > CO2 (Excluded)		19.160
Aviation : Domestic Air transport : Interstate - Jet Fuel > N2O (Excluded)		0.186
1A3d - Water-borne Navigation		25.06
1A3di - International Water-borne Navigation (International Bunkers)		25.062
Water-borne : International Marine Bunker Fuel - Distillate > CH4 (Excluded)		0.001
Water-borne : International Marine Bunker Fuel - Distillate > CO2 (Excluded)		0.352
Water-borne : International Marine Bunker Fuel - Distillate > N2O (Excluded)		0.003
Water-borne : International Marine Bunker Fuel - Residual Fuel Oil > CH4 (Excluded)		0.036
Water-borne : International Marine Bunker Fuel - Residual Fuel Oil > CO2 (Excluded)		24.487
Water-borne : International Marine Bunker Fuel - Residual Fuel Oil > N2O (Excluded)		0.184

Summary of Categories Excluded from the Inventory. ---

Gross California Emissions	59.02
Net California Emissions	59.02