

Included Emissions

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021

Electricity Generation (In State)	58.6	62.6	49.3	47.7	48.8	44.7	49.5	53.8	54.0	53.0	46.5	42.3	54.7	53.7	53.1	52.1	44.1	40.2	40.2	38.3	40.7	42.3
<i>CHP: Commercial</i>	0.7	0.7	0.8	0.9	0.7	0.7	0.7	0.8	0.8	1.1	0.8	1.1	1.2	1.3	1.3	0.9	0.9	1.0	0.9	0.8	0.8	0.8
<i>CHP: Industrial</i>	18.0	16.5	20.1	17.6	15.1	14.6	13.7	13.6	13.5	14.6	12.5	14.2	15.1	15.9	14.5	13.9	13.0	12.2	11.8	11.0	10.0	9.7
<i>Merchant Owned</i>	32.8	38.7	23.6	23.9	27.4	23.0	26.1	29.1	28.6	27.3	21.3	16.7	24.2	22.9	23.5	23.1	17.3	15.0	16.0	15.4	18.3	19.6
<i>Utility Owned</i>	7.1	6.7	4.9	5.4	5.6	6.4	9.1	10.3	11.1	10.1	12.0	10.3	14.2	13.7	13.8	14.2	12.9	11.9	11.6	11.1	11.6	12.2
Electricity Generation (Imports)	45.7	58.7	58.7	64.2	65.7	62.5	54.4	59.5	65.5	47.9	43.4	46.4	44.3	39.8	36.6	33.8	26.2	23.8	24.5	21.6	18.5	19.7
<i>Specified Imports</i>	31.5	33.4	31.9	32.3	33.0	32.6	26.6	26.9	27.8	32.9	30.0	31.2	26.9	27.9	23.2	22.6	16.6	15.0	12.9	11.7	9.7	11.3
<i>Unspecified Imports</i>	14.2	25.3	26.8	31.9	32.8	29.9	27.8	32.6	37.7	15.0	13.4	15.2	17.4	11.8	13.4	11.2	9.7	8.8	11.6	9.9	8.8	8.5
Transportation	168.2	168.6	176.0	173.4	175.1	177.0	177.2	177.4	166.9	161.0	158.4	155.1	152.8	152.8	153.7	157.5	161.3	162.7	161.8	158.9	132.7	142.7
<i>Aviation</i>	4.2	4.0	4.1	4.2	4.4	4.5	4.5	4.9	4.5	4.0	3.8	3.7	3.7	3.9	3.9	4.1	4.3	4.6	4.6	4.3	2.9	3.5
<i>Not Specified Transportation</i>	2.0	1.9	1.9	1.8	1.9	2.0	2.0	1.8	2.1	1.6	2.0	1.6	1.6	1.5	1.8	1.9	1.6	1.4	1.5	1.5	1.2	1.2
<i>On Road</i>	157.2	158.1	164.5	161.4	162.7	163.9	163.8	164.2	154.8	150.4	146.6	143.7	141.5	141.5	142.4	146.3	150.3	151.8	150.2	148.0	123.5	132.9
<i>Rail</i>	1.9	1.9	2.5	2.9	2.9	3.3	3.5	3.1	2.4	1.9	2.3	2.6	2.4	2.1	1.9	1.7	1.5	1.3	1.9	1.4	1.3	1.3
<i>Water-borne</i>	2.9	2.7	3.0	3.1	3.1	3.3	3.3	3.3	3.2	3.0	3.7	3.6	3.6	3.8	3.9	3.5	3.5	3.6	3.6	3.7	3.8	3.8
Industrial	85.5	85.0	85.9	84.4	87.7	85.0	84.8	82.3	80.5	77.9	80.2	77.8	72.9	74.7	77.1	74.8	73.4	73.4	73.9	72.8	65.5	66.1
<i>CHP: Industrial</i>	11.6	10.4	10.6	10.5	12.9	12.3	12.1	11.1	10.3	12.5	12.5	9.9	7.1	6.9	7.2	6.8	6.4	6.0	6.7	6.0	6.1	6.1
<i>Manufacturing</i>	22.6	22.7	22.9	21.6	22.9	20.8	21.4	19.6	19.5	16.3	17.0	17.5	17.3	18.0	18.3	17.5	17.6	17.6	17.6	18.1	16.7	16.8
<i>Mining</i>	0.2	0.3	0.3	0.3	0.3	0.3	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1
<i>Not Specified Industrial</i>	2.0	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.7	1.9	1.7	1.7	1.9	2.0	2.1	2.0	2.0	1.9	2.0	1.9	1.9
<i>Off Road</i>	2.6	2.8	2.8	2.8	3.0	3.2	3.3	3.2	2.8	2.2	2.0	2.1	2.1	2.1	1.7	1.8	1.8	1.9	2.4	2.6	1.9	1.9
<i>Oil & Gas: Production & Processing</i>	17.6	17.3	17.7	17.0	17.3	16.3	16.1	16.7	17.1	16.1	15.4	15.4	13.8	15.5	16.6	16.8	14.2	14.3	13.9	14.0	11.7	11.7
<i>Petroleum Refining and Hydrogen Production</i>	27.9	28.5	28.8	29.3	28.4	29.1	29.1	28.7	27.8	28.1	30.2	30.0	29.7	29.3	29.7	28.3	29.7	30.0	30.0	28.6	25.6	26.1
<i>Solvents & Chemicals</i>	0.4	0.4	0.3	0.4	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
<i>Transmission and Distribution</i>	0.6	0.7	0.6	0.6	0.8	0.7	0.5	0.6	0.5	0.4	0.6	0.6	0.7	0.6	1.2	1.0	1.2	1.0	1.0	1.2	1.0	1.1
Commercial	13.0	12.4	12.8	12.6	13.8	13.3	13.0	13.3	13.4	13.8	14.5	14.2	12.6	12.2	11.8	12.9	12.8	12.8	12.6	13.2	12.0	12.5
<i>CHP: Commercial</i>	1.1	1.1	1.1	0.3	0.6	0.4	0.4	0.5	0.4	0.9	0.9	0.5	0.5	0.6	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4
<i>Communication</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<i>Domestic Utilities</i>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
<i>Education</i>	1.2	1.1	1.1	1.0	1.2	1.1	1.1	1.1	1.0	1.0	1.1	1.1	0.9	0.9	0.8	0.8	0.8	0.9	0.9	1.0	0.8	0.9
<i>Food Services</i>	2.0	2.0	2.2	2.3	2.4	2.4	2.4	2.5	2.3	2.2	2.2	2.2	2.0	2.0	2.1	2.2	2.2	2.2	2.1	2.2	1.8	2.0
<i>Health Care</i>	1.3	1.3	1.3	1.3	1.4	1.3	1.4	1.4	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
<i>Hotels</i>	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.7	0.5	0.5
<i>National Security</i>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<i>Not Specified Commercial</i>	3.2	2.8	2.8	3.4	3.5	3.6	3.2	3.2	3.8	3.8	4.3	4.3	3.7	3.5	3.2	4.2	3.9	3.9	3.7	4.0	3.8	3.7
<i>Offices</i>	1.9	1.9	2.1	2.0	2.1	2.0	2.0	1.9	1.8	1.7	1.8	1.8	1.6	1.5	1.4	1.5	1.6	1.6	1.6	1.7	1.6	1.7
<i>Retail & Wholesale</i>	0.9	0.9	1.1	1.1	1.2	1.1	1.1	1.2	1.1	1.0	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2
<i>Transportation Services</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.4	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5
Residential	29.2	28.1	28.6	27.8	29.3	28.0	28.3	28.4	28.7	28.4	29.1	29.5	24.2	24.4	21.3	21.9	22.5	23.1	22.5	24.9	24.4	23.8
<i>Household Use</i>	29.2	28.1	28.6	27.8	29.3	28.0	28.3	28.4	28.7	28.4	29.1	29.5	24.2	24.4	21.3	21.9	22.5	23.1	22.5	24.9	24.4	23.8

California Carbon Dioxide Inventory for 2000-2021 — by Sector and Activity
million tonnes of CO2 equivalent - (based upon IPCC Fourth Assessment Report's 100-yr Global Warming Potentials)
Included Emissions
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021
Transmission and Distribution

Agriculture & Forestry	3.9	3.9	4.4	4.5	4.8	4.9	5.6	4.0	4.2	2.7	3.3	3.7	3.8	3.4	3.6	3.4	2.9	2.3	2.8	2.3	2.5	2.5
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<i>Ag Energy Use</i>	3.7	3.8	4.2	4.3	4.6	4.6	5.1	3.7	4.0	2.5	3.1	3.5	3.6	3.2	3.4	3.2	2.8	2.2	2.7	2.2	2.3	2.4
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<i>Ag Soil Management</i>	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
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Summary for Included Emissions
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021

California CO2 Emissions	404.0	419.4	415.8	414.9	425.2	415.4	412.8	418.7	413.2	384.8	375.4	369.1	365.2	361.0	357.2	356.2	343.2	338.3	338.3	332.1	296.3	309.7
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California Carbon Dioxide Inventory for 2000-2021 — by Sector and Activity
million tonnes of CO2 equivalent - (based upon IPCC Fourth Assessment Report's 100-yr Global Warming Potentials)
Excluded Emissions

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Transportation	50.2	43.9	48.7	43.0	47.4	50.1	52.6	55.6	52.3	51.4	52.0	47.7	45.0	44.2	43.7	48.8	53.3	56.0	55.8	51.1	29.0	32.9	
<i>Aviation</i>	34.8	32.3	34.8	33.5	35.9	35.5	36.5	38.1	34.6	33.9	33.2	34.0	32.4	34.9	37.3	40.1	42.3	43.5	42.9	37.2	19.4	23.4	
<i>Water-borne</i>	15.4	11.6	13.9	9.5	11.5	14.6	16.2	17.5	17.7	17.5	18.7	13.8	12.6	9.3	6.4	8.8	11.0	12.5	13.0	13.9	9.5	9.5	
Military	3.8	4.3	4.1	4.1	3.9	3.4	3.1	2.9	2.8	2.7	3.1	2.7	3.3	2.6	2.9	2.6	2.3	2.4	2.2	2.2	2.2	2.2	
<i>Not Specified Military</i>	3.8	4.3	4.1	4.1	3.9	3.4	3.1	2.9	2.8	2.7	3.1	2.7	3.3	2.6	2.9	2.6	2.3	2.4	2.2	2.2	2.2	2.2	
Summary for Excluded Emissions																							
Excluded CO2 Emissions	54.0	48.2	52.8	47.2	51.2	53.5	55.7	58.6	55.0	54.1	55.0	50.4	48.2	46.9	46.6	51.4	55.6	58.4	58.0	53.3	31.1	35.1	

Forested Lands & Wood Products**2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021**

This section of the inventory is currently under development