

Last Updated: 10/28/2010

California GHG Emissions - Forecast (2008-2020)Million tonnes of CO₂ equivalent

Category	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Grand Total	474.64	457.65	462.04	463.23	470.37	480.40	487.35	492.01	494.66	497.88	500.76	503.76	506.78
Total (Capped)	403.15	387.60	389.18	387.94	392.58	400.14	404.56	406.71	406.89	407.61	407.99	408.41	408.84
Total Narrow Scope (Capped)	174.54	168.54	166.26	165.84	165.85	167.26	168.07	168.84	169.63	170.40	171.10	171.82	172.57
Electricity Generation (Capped)	43.82	40.85	39.47	38.89	38.65	39.70	40.44	41.18	41.93	42.67	43.37	44.08	44.82
<i>Electricity Generation (In-State)</i>	43.82	40.85	39.47	38.89	38.65	39.70	40.44	41.18	41.93	42.67	43.37	44.08	44.82
Imported Electricity (Capped)	55.03	53.53	53.53	53.53	53.53	53.53	53.53	53.53	53.53	53.53	53.53	53.53	53.53
<i>AZ</i>	6.62	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
<i>CO</i>	3.20	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
<i>NM</i>	4.70	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67	4.67
<i>NV</i>	3.18	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03
<i>UT</i>	13.57	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52
<i>ID</i>	0.50	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
<i>MT</i>	1.29	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
<i>OR</i>	3.19	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01
<i>WA</i>	4.74	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58	4.58
<i>Tribal</i>	8.80	9.07	9.07	9.07	9.07	9.07	9.07	9.07	9.07	9.07	9.07	9.07	9.07
<i>MEX</i>	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55
<i>CAN</i>	2.69	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61
Industrial (Capped)	75.69	74.15	73.26	73.42	73.66	74.03	74.10	74.12	74.17	74.20	74.20	74.21	74.21
<i>Cement Plants</i>	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.63	8.63	8.63	8.63	8.63	8.63
<i>Cogeneration Facilities</i>	11.13	10.37	10.02	9.87	9.81	10.08	10.27	10.46	10.65	10.83	11.01	11.19	11.38
<i>Hydrogen Plants</i>	2.22	2.20	2.18	2.18	2.18	2.18	2.18	2.17	2.17	2.17	2.17	2.17	2.17
<i>Petroleum Refining</i>	34.58	34.24	33.89	33.89	33.87	33.85	33.82	33.80	33.77	33.75	33.72	33.69	33.66
<i>Other</i>	0.21	0.20	0.20	0.21	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25
<i>General Stationary Combustion</i>	18.91	18.50	18.32	18.63	18.94	19.06	18.97	18.83	18.70	18.57	18.43	18.28	18.13
Added Broad Scope Fuels (Capped)	228.61	219.07	222.92	222.10	226.73	232.87	236.49	237.87	237.26	237.21	236.88	236.59	236.28
<i>Gasoline</i>	130.62	128.83	131.88	130.56	133.43	137.41	139.50	138.98	137.51	135.64	133.47	131.48	129.33
<i>Distillate</i>	38.59	36.57	37.95	37.89	38.88	40.07	40.99	42.28	42.48	43.63	44.88	45.99	47.06
<i>Propane</i>	4.29	3.44	3.45	3.46	3.45	3.45	3.45	3.45	3.45	3.45	3.44	3.44	3.44
<i>Natural Gas</i>	55.11	50.23	49.65	50.20	50.97	51.94	52.55	53.16	53.82	54.49	55.09	55.69	56.44
<i>Ethanol</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total (Uncapped)	71.49	70.05	72.86	75.29	77.80	80.26	82.79	85.30	87.77	90.28	92.78	95.35	97.94
<i>Electricity Generation & Industrial</i>	25.83	21.22	21.84	22.06	22.24	22.29	22.44	22.59	22.74	22.91	23.10	23.29	23.50
<i>Transportation</i>	5.58	5.27	5.54	5.85	6.02	6.18	6.37	6.61	6.83	7.07	7.28	7.54	7.73
<i>Ag & Forestry</i>	20.44	21.15	21.20	21.41	21.71	22.06	22.43	22.82	23.23	23.67	24.11	24.57	25.11
<i>Commercial</i>	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
<i>Residential</i>	0.25	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
<i>High GWP Gases</i>	13.89	16.95	18.69	20.44	22.18	23.92	25.66	27.40	29.15	30.89	32.63	34.37	36.11
<i>Ethanol</i>	5.46	5.15	5.27	5.22	5.34	5.50	5.58	5.56	5.50	5.42	5.34	5.26	5.17

Notes:

The emission factor used for unspecified imported electricity in this forecast is WCI's preliminary factor of 959.7 lbs/MWh. This factor was recently updated and may be obtained from the Western Climate Initiative (WCI) website: <http://www.westernclimateinitiative.org/component/remository/Electricity-Team-Documents/Default-Emission-Factor-Calculators/>

Because of the difference in emission factors for unspecified imported electricity, the emissions total for 2008 in this forecast differs from the 2008 emissions total in the statewide GHG inventory: <http://www.arb.ca.gov/cc/inventory/data/data.htm>