

Table 8. Carbon intensity by state (2005–2016)

kilograms of energy-related carbon dioxide per million Btu

State	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	Change (2005–2016)	
													Percent	Absolute
Alabama	58.0	58.3	58.7	56.5	52.1	54.3	52.5	50.7	49.4	50.4	49.2	48.9	-15.7%	-9.1
Alaska	60.4	61.5	61.2	60.9	59.4	59.5	59.2	58.8	58.5	58.4	58.6	58.2	-3.7%	-2.3
Arizona	57.1	57.9	56.9	55.9	54.7	55.4	54.5	53.8	54.8	53.7	52.1	50.4	-11.7%	-6.7
Arkansas	55.7	55.5	55.1	55.9	54.0	54.7	55.4	54.9	57.4	56.5	53.2	54.0	-3.2%	-1.8
California	52.3	52.5	53.4	53.5	53.2	52.4	50.5	52.5	52.1	52.2	52.4	51.4	-1.8%	-1.0
Colorado	68.5	68.6	67.4	66.4	65.2	65.7	64.9	65.1	64.0	63.2	63.1	61.6	-10.0%	-6.8
Connecticut	51.7	49.6	49.4	49.6	46.2	46.1	45.0	44.8	44.7	45.4	45.1	44.3	-14.3%	-7.4
Delaware	69.1	69.0	69.3	68.1	67.2	63.0	58.6	58.6	59.2	57.4	57.0	57.3	-17.2%	-11.9
District of Columbia	61.6	60.1	59.6	59.0	54.9	54.4	54.1	53.0	52.6	53.1	53.1	53.3	-13.4%	-8.3
Florida	63.6	62.4	62.4	60.2	58.7	60.1	59.1	58.6	57.6	57.9	57.1	56.6	-11.0%	-7.0
Georgia	61.5	61.4	61.7	61.4	59.0	58.7	57.3	53.6	52.7	53.3	51.7	51.4	-16.4%	-10.1
Hawaii	70.6	70.9	71.0	69.6	68.3	68.5	68.1	68.0	66.1	65.7	65.4	65.2	-7.6%	-5.4
Idaho	42.5	39.5	42.5	40.5	40.3	41.8	37.2	38.8	41.7	40.0	41.7	42.5	-0.1%	-0.1
Illinois	53.7	53.5	53.5	52.9	51.7	51.9	51.8	50.6	51.0	50.8	49.3	47.7	-11.1%	-6.0
Indiana	76.5	77.0	76.6	75.8	74.3	74.4	73.1	71.8	71.8	71.6	69.1	68.2	-10.8%	-8.3
Iowa	63.3	62.7	62.0	60.3	56.5	56.0	54.8	53.3	51.5	51.3	49.2	47.6	-24.8%	-15.7
Kansas	65.3	64.7	64.4	63.9	62.8	61.7	62.6	60.3	59.4	57.6	56.1	54.5	-16.6%	-10.8
Kentucky	74.8	75.6	75.8	76.0	74.4	75.9	76.2	75.0	75.1	74.4	72.9	72.5	-3.1%	-2.3
Louisiana	52.4	53.4	53.6	54.8	53.2	52.9	53.3	52.1	51.1	50.5	50.8	51.1	-2.5%	-1.3
Maine	45.9	44.9	44.1	40.3	41.9	40.7	39.7	38.3	38.0	38.5	39.7	40.6	-11.5%	-5.3
Maryland	60.9	61.4	60.7	59.8	58.8	58.6	57.0	55.9	55.1	55.5	54.3	53.8	-11.6%	-7.1
Massachusetts	62.3	60.5	61.3	59.9	57.9	57.2	55.9	55.1	56.5	54.9	55.4	54.8	-12.0%	-7.5
Michigan	60.0	60.9	60.4	59.7	61.0	59.4	57.5	57.4	57.2	55.9	56.3	53.9	-10.3%	-6.2
Minnesota	58.4	58.0	57.2	56.1	54.6	53.2	53.4	51.9	52.3	52.2	51.3	50.5	-13.4%	-7.8
Mississippi	57.5	57.4	57.5	58.0	55.7	55.6	53.7	54.1	53.7	54.8	52.5	55.4	-3.6%	-2.1
Missouri	70.9	70.7	70.2	69.3	68.9	69.9	70.4	69.6	70.6	69.7	68.2	68.1	-3.9%	-2.8
Montana	61.4	59.8	60.5	59.8	59.0	60.9	55.6	56.6	58.4	57.1	58.8	57.5	-6.3%	-3.9
Nebraska	60.6	60.1	57.2	57.5	57.9	54.7	57.6	58.6	58.4	55.2	53.9	53.3	-12.0%	-7.3
Nevada	66.6	61.4	61.8	61.2	59.7	59.1	57.4	56.2	56.4	57.5	53.7	53.1	-20.3%	-13.5
New Hampshire	47.2	46.9	44.8	44.6	43.2	40.6	42.2	40.4	36.8	38.0	38.7	36.1	-23.6%	-11.1
New Jersey	55.0	54.0	54.1	54.2	50.8	51.7	51.1	49.8	49.9	50.7	50.0	50.8	-7.6%	-4.2
New Mexico	71.9	70.9	69.5	68.9	70.1	68.3	68.4	67.7	67.4	65.8	66.0	64.2	-10.6%	-7.6
New York	52.2	50.1	50.5	48.9	47.7	48.3	46.4	46.2	45.4	46.0	45.5	45.5	-12.7%	-6.6
North Carolina	60.1	59.8	61.0	59.4	56.8	57.5	55.4	53.8	52.5	52.9	51.0	50.0	-16.8%	-10.1
North Dakota	80.9	80.4	80.1	78.9	76.5	73.0	70.3	71.3	70.4	69.4	69.6	67.8	-16.1%	-13.0
Ohio	70.3	70.0	69.7	68.5	68.4	68.8	67.8	65.3	66.0	65.2	63.5	63.3	-10.0%	-7.0
Oklahoma	65.6	65.7	64.2	64.4	64.0	62.9	63.6	61.5	60.4	60.8	58.3	55.3	-15.6%	-10.2

Table 8. Carbon intensity by state (2005–2016) (cont.)

kilograms of energy-related carbon dioxide per million Btu

State	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	Change (2005–2016)	
													Percent	Absolute
Oregon	40.4	37.5	40.3	39.2	38.5	39.4	33.9	34.1	36.3	35.1	36.4	35.5	-12.2%	-4.9
Pennsylvania	60.4	60.4	59.8	58.8	56.6	57.0	56.1	54.9	54.5	53.7	52.0	50.3	-16.7%	-10.1
Rhode Island	61.3	59.9	59.8	56.4	57.2	57.0	56.9	57.3	57.1	56.8	56.9	56.5	-7.8%	-4.8
South Carolina	47.3	48.1	47.8	47.7	45.2	46.2	44.9	43.2	41.2	43.0	41.6	40.7	-14.0%	-6.6
South Dakota	51.2	49.9	50.7	49.5	45.4	42.3	39.2	41.1	42.9	41.7	40.5	40.6	-20.8%	-10.7
Tennessee	58.4	60.5	60.3	59.3	55.7	56.9	55.9	55.4	52.7	54.5	54.3	54.1	-7.4%	-4.3
Texas	50.9	51.3	51.2	50.7	49.7	49.3	49.8	48.9	48.8	48.7	47.9	49.9	-1.9%	-1.0
Utah	76.0	75.1	74.8	74.3	73.6	73.0	71.9	71.5	72.3	71.8	71.5	68.5	-9.9%	-7.5
Vermont	39.3	35.9	37.7	34.0	32.1	32.4	32.2	26.8	26.7	27.1	37.4	39.0	-0.7%	-0.3
Virginia	58.8	58.4	58.8	57.4	55.0	55.5	54.4	52.3	53.3	52.4	51.8	51.2	-12.9%	-7.6
Washington	37.1	34.3	36.4	35.3	36.0	36.2	31.9	31.6	34.4	33.7	35.1	35.3	-4.7%	-1.7
West Virginia	83.3	83.0	83.5	82.8	80.9	82.1	81.5	80.6	79.9	80.1	79.1	79.3	-4.8%	-4.0
Wisconsin	61.9	60.5	60.3	60.2	59.0	58.3	58.5	56.1	58.4	58.3	58.4	57.2	-7.6%	-4.7
Wyoming	80.9	81.0	79.9	79.4	77.4	76.3	74.2	75.4	76.2	75.8	77.0	75.8	-6.4%	-5.2
Average all states	60.3	59.7	59.6	58.7	57.3	57.1	55.9	55.2	55.1	54.8	54.4	53.8	-10.7%	-6.4

Note: The District of Columbia is included in the data tables but not in the analysis because it is not a state.

Source: EIA, State Energy Data System, and EIA calculations made for this analysis