

BP Statistical Review of World Energy June 2016

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Carbon dioxide emissions

C1 Carbon dioxide emissions

65
65th edition

Carbon dioxide emissions*

Million tonnes carbon dioxide	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change 2015 over 2014	2015 share of total
US	6108.2	6029.2	6132.4	5954.1	5529.8	5754.6	5617.3	5460.0	5572.4	5631.2	5485.7	-2.6%	16.4%
Canada	572.0	559.7	570.3	566.6	525.8	544.8	551.9	535.3	545.6	551.4	532.5	-3.4%	1.6%
Mexico	431.9	442.7	439.4	441.6	445.3	453.1	477.4	485.5	490.2	482.3	474.2	-1.7%	1.4%
Total North America	7112.0	7031.6	7142.1	6962.3	6500.8	6752.6	6646.5	6480.8	6608.2	6664.9	6492.4	-2.6%	19.4%
Argentina	145.0	150.3	162.9	166.1	159.2	172.5	176.9	182.8	185.6	187.3	190.0	1.4%	0.6%
Brazil	331.3	336.9	351.4	374.9	352.1	400.3	426.4	447.3	486.6	507.8	487.8	-3.9%	1.5%
Chile	61.8	66.0	77.9	79.1	75.9	77.0	87.9	90.5	92.2	90.4	90.1	-0.3%	0.3%
Colombia	52.0	63.5	61.9	74.0	68.4	76.4	74.5	83.2	86.0	91.1	97.3	6.8%	0.3%
Ecuador	24.8	26.3	26.8	27.3	27.7	31.9	32.7	34.0	36.2	37.5	37.1	-1.2%	0.1%
Peru	28.4	27.5	31.1	34.8	34.7	40.2	44.3	45.4	47.0	48.1	50.8	5.5%	0.2%
Trinidad & Tobago	18.2	23.3	26.0	26.4	25.1	27.2	27.1	26.1	27.2	26.9	26.7	-0.9%	0.1%
Venezuela	142.8	161.4	165.3	173.8	171.2	171.5	166.3	177.7	179.6	175.6	169.2	-3.7%	0.5%
Other S. & Cent. America	210.1	214.7	217.8	210.8	210.9	213.7	220.3	219.4	216.1	223.3	227.7	2.0%	0.7%
Total S. & Cent. America	1014.6	1069.8	1121.3	1167.2	1125.2	1210.7	1256.4	1306.5	1356.5	1388.1	1376.6	-0.8%	4.1%
Austria	75.6	73.7	69.8	70.3	64.4	69.7	67.0	64.2	64.1	60.6	62.8	3.6%	0.2%
Azerbaijan	32.7	32.3	29.1	28.7	25.2	24.0	27.7	28.7	29.4	30.9	32.0	3.5%	0.1%
Belarus	56.1	58.3	57.1	59.8	57.6	60.4	57.4	58.6	59.1	59.8	56.3	-5.8%	0.2%
Belgium	139.1	139.3	138.0	141.9	125.4	135.1	122.4	115.6	115.8	108.5	111.5	2.8%	0.3%
Bulgaria	48.2	49.2	52.5	50.3	43.2	45.0	50.4	45.3	39.9	42.5	45.2	6.1%	0.1%
Czech Republic	124.1	126.1	127.0	119.8	111.0	113.4	110.2	105.9	101.6	98.5	98.6	0.1%	0.3%
Denmark	53.3	61.8	56.9	54.5	50.6	51.3	46.5	41.0	43.6	40.7	37.6	-7.5%	0.1%
Finland	56.7	66.7	64.7	57.5	55.5	63.1	54.7	48.3	48.8	45.3	41.3	-8.7%	0.1%
France	388.4	378.5	369.5	370.1	355.8	360.7	335.9	336.4	338.3	304.6	309.4	1.6%	0.9%
Germany	822.1	840.1	807.2	806.5	751.0	779.9	761.0	770.7	795.1	747.6	753.6	0.8%	2.2%
Greece	104.3	105.9	109.2	104.1	100.5	93.6	93.0	88.1	79.8	76.3	73.9	-3.2%	0.2%
Hungary	59.9	60.8	58.8	57.9	51.2	52.2	48.9	45.2	42.2	42.0	44.2	5.4%	0.1%
Ireland	47.8	47.5	48.5	47.9	42.8	42.6	38.1	38.2	36.9	36.7	38.6	5.4%	0.1%
Italy	472.2	470.2	459.7	446.9	404.0	409.7	399.8	380.5	349.9	325.0	341.5	5.1%	1.0%
Kazakhstan	142.3	157.7	166.6	181.8	163.4	169.1	191.9	197.9	197.3	197.0	184.8	-6.2%	0.6%
Lithuania	13.0	13.3	13.0	13.1	11.9	13.0	12.2	12.2	11.5	11.2	11.2	-0.1%	•
Netherlands	232.7	233.0	238.7	234.8	225.8	234.8	225.4	219.3	215.2	203.7	210.1	3.2%	0.6%
Norway	37.3	37.8	37.8	36.7	37.2	37.9	37.8	37.5	37.7	37.0	36.7	-0.7%	0.1%
Poland	307.0	317.4	314.2	316.4	302.3	320.4	320.0	304.4	307.3	290.8	295.8	1.7%	0.9%
Portugal	66.1	61.3	59.5	57.9	57.2	51.9	51.7	50.9	49.3	48.8	52.5	7.6%	0.2%
Romania	99.0	98.5	96.4	94.7	79.7	77.3	83.0	81.0	69.3	69.3	70.7	1.9%	0.2%
Russian Federation	1489.4	1559.0	1552.4	1578.3	1464.1	1509.7	1572.1	1582.2	1543.2	1547.6	1483.2	-4.2%	4.4%
Slovakia	38.4	37.2	35.1	36.3	33.5	36.0	33.8	32.2	33.0	30.2	31.1	3.1%	0.1%
Spain	373.0	365.1	378.6	352.4	314.6	299.0	308.3	306.5	275.3	273.2	291.7	6.8%	0.9%
Sweden	60.0	60.2	58.2	56.4	53.0	57.9	53.4	50.4	48.6	48.1	47.8	-0.6%	0.1%
Switzerland	43.4	44.1	40.2	42.9	43.5	41.2	39.3	40.6	42.8	38.0	39.1	2.7%	0.1%
Turkey	228.5	252.4	277.0	280.7	278.9	284.3	298.8	312.6	299.0	332.6	336.3	1.1%	1.0%
Turkmenistan	49.6	54.0	60.9	61.7	57.3	65.2	67.9	74.6	67.7	78.3	92.6	18.3%	0.3%
Ukraine	313.2	321.3	315.5	317.4	271.9	287.0	303.1	296.8	281.3	239.8	195.1	-18.6%	0.6%
United Kingdom	575.8	578.9	568.8	561.1	513.1	529.6	494.3	511.3	500.2	456.7	436.9	-4.3%	1.3%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	107.8	106.0	114.0	116.0	97.7	97.6	111.4	109.6	108.5	112.8	115.4	2.4%	0.3%
Other Europe & Eurasia	213.0	223.4	227.0	232.3	221.9	228.6	236.5	227.6	225.1	218.4	225.1	3.1%	0.7%
Total Europe & Eurasia	6869.9	7030.9	7002.1	6987.0	6465.2	6641.2	6653.9	6614.1	6456.8	6252.4	6202.9	-0.8%	18.5%
Iran	436.9	473.7	505.6	530.0	554.2	557.7	570.8	574.1	600.5	623.7	630.2	1.0%	1.9%
Israel	68.0	67.9	70.9	72.3	69.1	72.5	74.0	79.4	73.6	71.2	74.4	4.6%	0.2%
Kuwait	82.7	77.9	77.1	82.2	83.5	91.6	92.3	99.8	103.7	103.6	107.9	4.1%	0.3%
Qatar	41.9	44.7	55.1	48.9	50.4	75.3	55.4	65.4	101.8	97.8	111.1	13.7%	0.3%
Saudi Arabia	370.2	387.9	405.9	439.0	457.2	501.5	518.4	543.7	554.6	592.4	624.5	5.4%	1.9%
United Arab Emirates	166.2	175.4	192.8	220.0	214.1	222.6	234.2	244.0	249.0	253.7	264.7	4.3%	0.8%
Other Middle East	258.4	249.3	250.6	281.9	297.7	317.0	315.4	323.0	344.5	347.8	355.1	2.1%	1.1%
Total Middle East	1424.3	1476.7	1558.1	1674.3	1726.3	1838.1	1860.5	1929.4	2027.7	2090.1	2167.8	3.7%	6.5%
Algeria	80.8	84.8	89.3	94.9	100.2	98.5	105.0	113.9	121.1	131.0	137.1	4.6%	0.4%
Egypt	151.9	156.7	165.9	176.5	183.4	195.5	197.0	208.4	207.1	209.8	212.1	1.1%	0.6%
South Africa	393.2	401.5	414.0	450.4	446.2	450.2	445.4	438.9	440.6	450.6	436.5	-3.1%	1.3%
Other Africa	302.1	298.4	311.3	329.2	322.8	350.7	347.2	366.6	382.0	400.4	416.2	3.9%	1.2%
Total Africa	928.0	941.4	980.5	1051.0	1052.7	1094.9	1094.6	1127.8	1150.8	1191.8	1201.9	0.8%	3.6%
Australia	386.9	412.1	411.0	416.6	410.4	403.0	406.9	401.8	393.5	392.8	400.2	1.9%	1.2%
Bangladesh	37.3	40.1	42.0	45.5	50.6	53.9	58.2	63.8	65.0	68.0	72.9	7.1%	0.2%
China	6058.3	6656.0	7211.1	7351.9	7695.2	8098.5	8746.9	8911.0	9148.6	9165.5	9153.9	-0.1%	27.3%
China Hong Kong SAR	76.4	80.6	86.2	79.9	87.1	89.2	92.7	89.3	92.1	90.3	91.2	1.0%	0.3%
India	1209.3	1257.3	1370.7	1472.5	1609.6	1678.8	1730.0	1864.6	1957.9	2106.1	2218.4	5.3%	6.6%
Indonesia	341.5	360.4	388.4	378.2	386.9	428.0	481.1	511.7	526.3	578.6	611.4	5.7%	1.8%
Japan	1278.0	1253.4	1267.2	1274.6	1111.8	1184.1	1193.5	1283.7	1276.5	1241.2	1207.8	-2.7%	3.6%
Malaysia	179.3	186.3	187.3	196.4	187.8	213.0	213.7	222.5	233.1	236.1	246.9	4.6%	0.7%
New Zealand	37.1	37.2	36.0	37.2	34.2	34.3	33.7	35.2	34.8	35.6	35.7	0.3%	0.1%
Pakistan	135.3	145.5	157.5	163.5	164.7	163.5	162.5	164.1	161.7	169.8	179.5	5.7%	0.5%
Philippines	70.7	68.0	72.3	74.4	75.1	80.4	81.3	83.8	92.0	98.1	106.5	8.6%	0.3%
Singapore	128.8	142.2	153.1	165.2	178.6	187.1	194.4	193.5	194.0	194.8	205.0	5.2%	0.6%
South Korea	521.2	520.8	545.4	556.8	559.0	609.8	645.6	644.1	646.5	642.9	648.7	0.9%	1.9%
Taiwan	266.5	273.6	276.0	258.7	247.9	261.1	271.2	265.9	265.9	269.3	268.5	-0.3%	0.8%
Thailand	230.0	227.4	239.5	241.4	241.8	255.9	261.6	279.9	283.3	292.3	295.9	1.2%	0.9%
Vietnam	86.1	71.8	78.6	103.7	103.1	121.9	133.7	130.9	135.5	151.7	169.0	11.4%	0.5%