

BP Statistical Review of World Energy June 2017



Coal

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Reserves and prices
Production and consumption

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66th edition

Total proved reserves at end 2016

Million tonnes	Anthracite and bituminous	Sub-bituminous and lignite	Total	Share of total	R/P ratio
US	221400	30182	251582	22.1%	381
Canada	4346	2236	6582	0.6%	109
Mexico	1160	51	1211	0.1%	151
Total North America	226906	32469	259375	22.8%	356
Brazil	1547	5049	6596	0.6%	*
Colombia	4881	—	4881	0.4%	54
Venezuela	731	—	731	0.1%	*
Other S. & Cent. America	1784	24	1808	0.2%	*
Total S. & Cent. America	8943	5073	14016	1.2%	138
Bulgaria	192	2174	2366	0.2%	75
Czech Republic	1103	2573	3676	0.3%	80
Germany	12	36200	36212	3.2%	206
Greece	—	2876	2876	0.3%	87
Hungary	276	2633	2909	0.3%	311
Kazakhstan	25605	—	25605	2.2%	250
Poland	18700	5461	24161	2.1%	184
Romania	11	280	291	♦	13
Russian Federation	69634	90730	160364	14.1%	417
Serbia	402	7112	7514	0.7%	196
Spain	868	319	1187	0.1%	*
Turkey	378	10975	11353	1.0%	163
Ukraine	32039	2336	34375	3.0%	*
United Kingdom	70	—	70	♦	17
Uzbekistan	1375	—	1375	0.1%	355
Other Europe & Eurasia	2618	5172	7790	0.7%	201
Total Europe & Eurasia	153283	168841	322124	28.3%	284
South Africa	9893	—	9893	0.9%	39
Zimbabwe	502	—	502	♦	186
Other Africa	2756	66	2822	0.2%	276
Middle East	1203	—	1203	0.1%	*
Total Middle East & Africa	14354	66	14420	1.3%	54
Australia	68310	76508	144818	12.7%	294
China	230004	14006	244010	21.4%	72
India	89782	4987	94769	8.3%	137
Indonesia	17326	8247	25573	2.2%	59
Japan	340	10	350	♦	261
Mongolia	1170	1350	2520	0.2%	66
New Zealand	825	6750	7575	0.7%	*
Pakistan	207	2857	3064	0.3%	*
South Korea	326	—	326	♦	189
Thailand	—	1063	1063	0.1%	63
Vietnam	3116	244	3360	0.3%	85
Other Asia Pacific	1322	646	1968	0.2%	29
Total Asia Pacific	412728	116668	529396	46.5%	102
Total World	816214	323117	1139331	100.0%	153
of which: OECD	319878	177264	497142	43.6%	291
Non-OECD	496336	145853	642189	56.4%	112
European Union	21813	53006	74819	6.6%	162
CIS	130162	93066	223228	19.6%	417

*More than 500 years.

♦Less than 0.05%.

Source: Includes data from Federal Institute for Geosciences and Natural Resources (BGR) Energy Study 2016.

Notes: Total proved reserves of coal – Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions. The data series for total proved coal reserves does not necessarily meet the definitions, guidelines and practices used for determining proved reserves at company level, for instance as published by the US Securities and Exchange Commission, nor does it necessarily represent BP's view of proved reserves by country.

Reserves-to-production (R/P) ratio – If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.

Reserves-to-production (R/P) ratios are calculated excluding other solid fuels in reserves and production.

Shares of total and R/P ratios are calculated using million tonnes figures.

Prices

US dollars per tonne	Northwest Europe marker price†	US Central Appalachian coal spot price index‡	Japan steam spot cif price†	China Qinhuangdao spot price†
1996	41.25	29.86	—	—
1997	38.92	29.76	—	—
1998	32.00	31.00	—	—
1999	28.79	31.29	—	—
2000	35.99	29.90	—	27.52
2001	39.03	50.15	37.69	31.78
2002	31.65	33.20	31.47	33.19
2003	43.60	38.52	39.61	31.74
2004	72.08	64.90	74.22	42.76
2005	60.54	70.12	64.62	51.34
2006	64.11	62.96	65.22	53.53
2007	88.79	51.16	95.59	61.23
2008	147.67	118.79	157.88	104.97
2009	70.66	68.08	83.59	87.86
2010	92.50	71.63	108.47	110.08
2011	121.52	87.38	126.13	127.27
2012	92.50	72.06	100.30	111.89
2013	81.69	71.39	90.07	95.42
2014	75.38	69.00	76.13	84.12
2015	56.79	53.59	60.10	67.53
2016	59.87	53.56	71.66	71.35

†Source: IHS. Northwest Europe prices for 1996-2000 based on monthly data, 2001-2016 on weekly data. China prices for 2000-2005 based on monthly data, 2006-2016 on weekly data. China basis 5,500 kilocalories per kg NAR CFR. Japan basis = 6,000 kilocalories per kg NAR CIF.

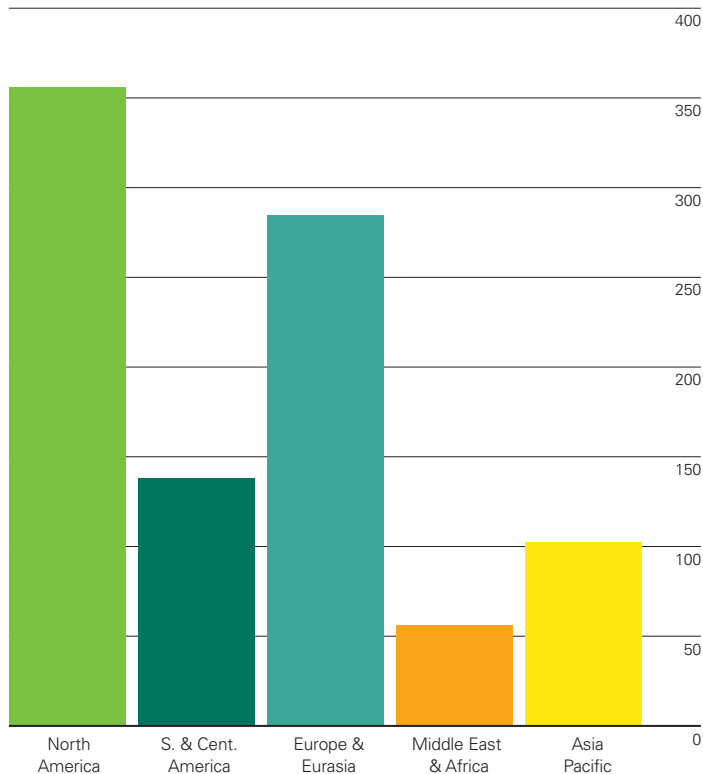
‡Source: Platts. Prices are for Central Appalachian 12,500 BTU, 1.2 SO₂ coal, fob. Prices for 1996-2000 are by coal price publication date, 2001-2016 by coal price assessment date.

Note: cif = cost+insurance+freight (average prices); cfr = cost and freight; fob = free on board.

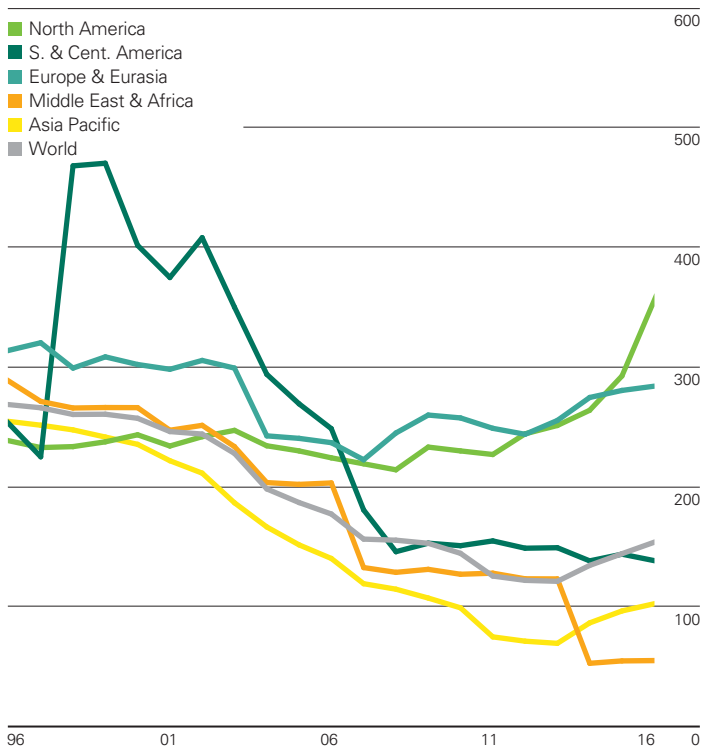
Reserves-to-production (R/P) ratios

Years

2016 by region



History

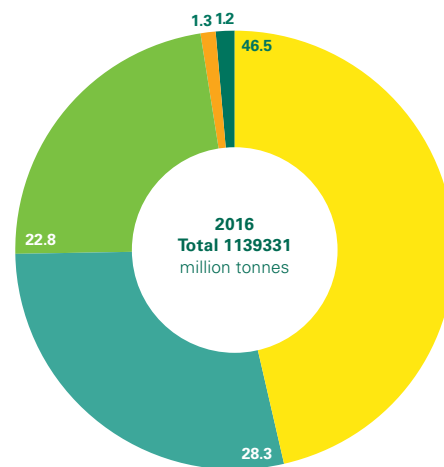
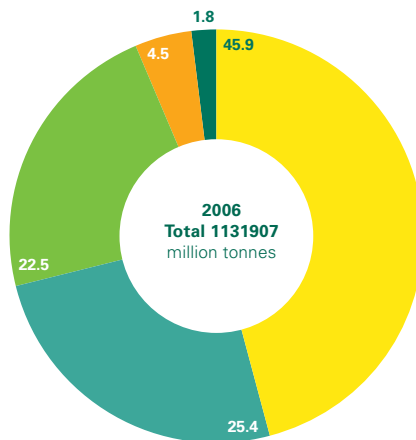
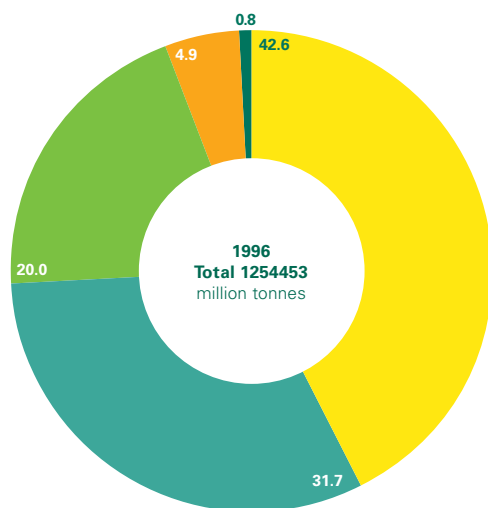


World proved coal reserves are currently sufficient to meet 153 years of global production, roughly three times the R/P ratio for oil and gas. By region, Asia Pacific holds the most proved reserves (46.5% of total), with China accounting for 21.4% of the global total. The US remains the largest reserve holder (22.1% of total).

Distribution of proved reserves in 1996, 2006 and 2016

Percentage

- Asia Pacific
- Europe & Eurasia
- North America
- Middle East & Africa
- S. & Cent. America



Coal: Production*

Million tonnes oil equivalent	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Growth rate per annum			Share 2016
											2016	2016	2005-15	
US	595.1	587.7	596.7	540.8	551.2	556.1	517.8	500.9	507.7	449.3	364.8	-19.0%	-2.5%	10.0%
Canada	34.8	35.7	35.6	33.1	35.4	35.5	35.6	36.4	35.6	31.9	31.4	-1.8%	-1.0%	0.9%
Mexico	6.8	7.3	6.9	6.1	7.3	9.4	7.4	7.2	7.3	6.9	4.5	-34.8%	1.2%	0.1%
Total North America	636.7	630.7	639.2	580.0	594.0	600.9	560.9	544.5	550.5	488.1	400.7	-18.1%	-2.4%	11.0%
Brazil	2.6	2.7	2.9	2.3	2.3	2.4	2.9	3.7	3.4	3.5	3.5	—	2.3%	0.1%
Colombia	45.7	48.2	50.7	50.2	51.3	59.2	61.5	59.0	61.1	59.0	62.5	5.5%	3.7%	1.7%
Venezuela	5.2	5.0	3.7	2.4	1.9	1.9	1.4	0.9	0.6	0.6	0.2	-66.4%	-19.7%	♦
Other S. & Cent. America	0.4	0.3	0.4	0.4	0.4	0.4	0.5	1.7	2.4	1.9	1.5	-18.3%	16.3%	♦
Total S. & Cent. America	53.9	56.2	57.7	55.3	55.9	63.9	66.3	65.3	67.5	64.9	67.6	3.9%	2.7%	1.8%
Bulgaria	4.3	4.7	4.8	4.6	4.9	6.2	5.6	4.8	5.1	5.8	5.1	-12.5%	3.4%	0.1%
Czech Republic	23.9	23.8	22.8	20.9	20.7	20.9	20.1	17.7	16.8	16.8	16.3	-3.4%	-3.3%	0.4%
Germany	53.3	54.4	50.1	46.4	45.9	46.7	47.8	45.1	44.1	42.9	39.9	-7.2%	-2.7%	1.1%
Greece	8.2	8.4	8.1	8.2	7.3	7.5	8.0	6.7	6.4	5.7	4.1	-28.7%	-4.0%	0.1%
Hungary	1.8	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	0.6%	-1.4%	♦
Kazakhstan	41.4	42.2	47.9	43.4	47.5	49.8	51.6	51.4	48.9	46.2	44.1	-4.9%	2.2%	1.2%
Poland	68.0	62.5	60.9	56.4	55.4	55.7	57.8	57.2	54.0	53.0	52.3	-1.5%	-2.7%	1.4%
Romania	6.5	6.9	7.0	6.6	5.9	6.7	6.3	4.7	4.4	4.7	4.3	-9.2%	-2.0%	0.1%
Russian Federation	141.0	143.5	149.0	141.7	151.0	157.6	168.3	173.1	176.6	186.4	192.8	3.1%	3.2%	5.3%
Serbia	n/a	7.2	7.5	7.4	7.2	7.8	7.3	7.7	5.7	7.2	7.4	1.4%	—	0.2%
Spain	6.2	5.9	4.4	3.8	3.3	2.6	2.5	1.8	1.6	1.2	0.7	-43.3%	-15.7%	♦
Turkey	13.2	14.8	16.7	17.4	17.5	17.9	17.0	15.5	16.4	12.8	15.2	18.7%	1.3%	0.4%
Ukraine	35.7	34.0	34.4	31.8	31.8	36.3	38.0	36.6	25.9	16.4	17.1	4.3%	-7.3%	0.5%
United Kingdom	11.4	10.7	11.3	11.0	11.4	11.5	10.6	8.0	7.3	5.4	2.6	-51.5%	-8.2%	0.1%
Uzbekistan	0.8	1.0	0.9	1.0	1.0	1.1	1.2	1.1	1.2	1.1	1.1	-1.8%	2.3%	♦
Other Europe & Eurasia	24.8	16.3	16.5	16.6	16.9	17.1	15.6	18.0	17.0	15.3	14.9	-3.1%	-4.0%	0.4%
Total Europe & Eurasia	440.4	438.0	443.9	418.8	429.3	446.9	459.4	450.9	433.2	422.5	419.4	-1.0%	-0.2%	11.5%
Total Middle East	1.0	1.1	1.0	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.7	—	-3.3%	♦
South Africa	138.3	138.4	141.0	139.7	144.1	143.2	146.6	145.3	148.2	142.9	142.4	-0.6%	0.3%	3.9%
Zimbabwe	1.4	1.3	1.0	1.1	1.7	1.7	1.0	2.0	3.7	2.8	1.7	-37.9%	2.6%	♦
Other Africa	0.9	0.8	0.8	0.7	0.9	1.1	4.4	5.1	5.5	6.0	6.3	5.5%	20.6%	0.2%
Total Africa	140.5	140.5	142.7	141.5	146.8	146.0	152.0	152.3	157.5	151.7	150.5	-1.0%	0.7%	4.1%
Australia	220.4	227.0	234.2	242.5	250.6	245.1	265.9	285.8	305.7	305.8	299.3	-2.4%	3.6%	8.2%
China	1328.4	1439.3	1491.8	1537.9	1665.3	1851.7	1873.5	1894.6	1864.2	1825.6	1685.7	-7.9%	3.9%	46.1%
India	198.2	210.3	227.5	246.0	252.4	250.8	255.0	255.7	269.5	280.9	288.5	2.4%	4.0%	7.9%
Indonesia	114.2	127.8	141.6	151.0	162.1	208.2	227.4	279.7	269.9	272.0	255.7	-6.2%	11.7%	7.0%
Japan	0.7	0.8	0.7	0.7	0.5	0.7	0.7	0.7	0.7	0.6	0.7	14.2%	0.5%	♦
Mongolia	4.1	4.8	5.2	8.2	15.2	19.9	18.1	18.0	14.8	14.5	22.8	57.0%	14.8%	0.6%
New Zealand	3.6	3.0	3.0	2.8	3.3	3.1	3.0	2.8	2.5	2.0	1.7	-15.4%	-4.8%	♦
Pakistan	1.8	1.7	1.8	1.6	1.5	1.4	1.4	1.3	1.5	1.5	1.8	19.5%	-0.5%	♦
South Korea	1.3	1.3	1.3	1.2	1.0	1.0	1.0	0.8	0.8	0.8	0.8	-2.4%	-4.4%	♦
Thailand	5.4	5.0	5.0	4.8	5.0	6.0	4.8	4.9	4.8	3.9	4.3	10.6%	-4.5%	0.1%
Vietnam	21.7	23.8	22.3	24.7	25.1	26.1	23.6	23.0	23.0	23.2	22.0	-5.4%	2.0%	0.6%
Other Asia Pacific	22.4	20.6	22.0	23.5	24.7	24.9	25.3	25.1	25.7	28.6	33.9	18.3%	2.6%	0.9%
Total Asia Pacific	1922.2	2065.5	2156.2	2244.8	2406.7	2638.8	2699.7	2792.5	2783.1	2759.4	2617.4	-5.4%	4.4%	71.6%
Total World	3194.7	3331.9	3440.8	3441.1	3633.3	3897.3	3938.9	4006.1	3992.4	3887.3	3656.4	-6.2%	2.5%	100.0%
of which: OECD	1060.1	1055.8	1064.6	1003.4	1023.4	1025.5	1005.7	1000.7	1020.9	946.6	844.8	-11.0%	-1.0%	23.1%
Non-OECD	2134.6	2276.0	2376.3	2437.7	2609.9	2871.8	2933.1	3005.5	2971.4	2940.7	2811.6	-4.7%	3.9%	76.9%
European Union	193.2	187.0	178.9	167.9	165.7	168.5	168.1	157.3	150.6	144.6	133.6	-7.9%	-3.1%	3.7%
CIS	219.5	221.5	233.0	218.8	232.0	245.7	260.3	263.5	254.0	251.5	256.8	1.8%	1.9%	7.0%

*Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), lignite and brown (sub-bituminous) coal, and other commercial solid fuels. Includes coal produced for Coal-to-Liquids and Coal-to-Gas transformations.

♦Less than 0.05%.

n/a not available.

Notes: Annual changes and shares of total are calculated using million tonnes oil equivalent figures.

Growth rates are adjusted for leap years.

Coal production data expressed in million tonnes is available at bp.com/statisticalreview

Coal: Consumption*

Million tonnes oil equivalent	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Growth rate per annum			Share 2016
											2016	2016	2005-15	
US	565.7	573.3	564.2	496.2	525.0	495.4	437.9	454.6	453.5	391.8	358.4	-8.8%	-3.8%	9.6%
Canada	29.2	30.3	29.4	23.5	24.8	21.8	21.0	20.8	19.7	19.6	18.7	-5.2%	-4.2%	0.5%
Mexico	12.3	11.3	10.1	10.3	12.7	14.7	12.8	12.7	12.7	12.7	9.8	-22.9%	1.0%	0.3%
Total North America	607.1	614.9	603.7	530.0	562.5	531.9	471.8	488.1	486.0	424.2	386.9	-9.0%	-3.7%	10.4%
Argentina	1.1	1.2	1.4	1.0	1.3	1.5	1.3	1.3	1.5	1.4	1.1	-22.5%	1.9%	♦
Brazil	12.8	13.6	13.8	11.1	14.5	15.4	15.3	16.5	17.5	17.7	16.5	-6.8%	3.1%	0.4%
Chile	3.4	4.1	4.4	4.0	4.5	5.8	6.7	7.5	7.6	7.3	8.2	12.3%	10.2%	0.2%
Colombia	3.7	3.2	4.9	4.0	4.7	3.7	4.6	5.0	5.2	5.3	4.6	-14.0%	14.8%	0.1%
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	0.8	1.0	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.8	0.8	-	-1.3%	♦
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	-66.4%	18.4%	♦
Other S. & Cent. America	2.3	2.4	2.4	2.1	2.2	2.7	2.7	2.9	3.2	3.2	3.4	5.4%	4.9%	0.1%
Total S. & Cent. America	24.3	25.7	28.0	23.2	28.1	30.2	31.7	34.2	36.1	35.9	34.7	-3.7%	5.4%	0.9%
Austria	4.1	3.9	3.8	2.9	3.4	3.5	3.2	3.3	3.0	3.2	3.2	-2.3%	-2.1%	0.1%
Azerbaijan	†	†	†	†	†	†	†	†	†	†	†	-	-19.8%	♦
Belarus	0.6	0.7	0.6	0.6	0.6	0.8	0.8	0.9	0.8	0.7	0.8	16.5%	-0.3%	♦
Belgium	5.0	4.4	4.5	3.1	3.8	3.5	3.2	3.3	3.3	3.2	3.0	-6.7%	-4.7%	0.1%
Bulgaria	7.0	7.9	7.6	6.4	6.9	8.1	6.9	5.9	6.4	6.6	5.7	-13.5%	-0.4%	0.2%
Czech Republic	21.0	21.4	19.7	17.7	18.8	18.4	17.4	17.2	16.0	16.6	16.9	1.7%	-2.0%	0.5%
Denmark	5.6	4.7	4.1	4.0	3.8	3.2	2.5	3.2	2.6	1.7	2.1	20.8%	-7.3%	0.1%
Finland	7.4	7.0	5.3	5.4	6.8	5.5	4.5	5.0	4.5	3.8	4.1	8.0%	-2.2%	0.1%
France	12.4	12.8	12.1	10.8	11.5	9.8	11.1	11.6	8.6	8.4	8.3	-1.1%	-4.6%	0.2%
Germany	84.5	86.7	80.1	71.7	77.1	78.3	80.5	82.8	79.6	78.5	75.3	-4.3%	-0.4%	2.0%
Greece	8.4	8.8	8.3	8.4	7.9	7.9	8.1	7.0	6.7	5.6	4.7	-16.7%	-4.6%	0.1%
Hungary	3.1	3.1	3.1	2.6	2.7	2.7	2.6	2.3	2.2	2.4	2.3	-3.6%	-2.5%	0.1%
Ireland	2.4	2.3	2.3	2.0	2.0	1.9	2.3	2.0	2.0	2.2	2.2	-0.7%	-2.0%	0.1%
Italy	16.7	16.3	15.8	12.4	13.7	15.4	15.7	13.5	13.1	12.3	10.9	-11.9%	-2.9%	0.3%
Kazakhstan	28.3	31.1	33.8	30.9	33.4	36.3	36.5	36.3	41.0	35.8	35.6	-0.8%	2.9%	1.0%
Lithuania	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	4.8%	-0.1%	♦
Netherlands	7.7	8.4	8.0	7.5	7.5	7.5	8.2	8.2	9.1	11.0	10.3	-7.0%	3.1%	0.3%
Norway	0.6	0.7	0.7	0.6	0.8	0.8	0.8	0.8	0.9	0.8	0.8	-0.1%	1.3%	♦
Poland	57.4	55.9	55.2	51.8	55.1	55.0	51.2	53.4	49.4	48.7	48.8	♦	-1.2%	1.3%
Portugal	3.3	2.9	2.5	2.9	1.6	2.2	2.9	2.7	2.7	3.3	2.9	-11.9%	-0.2%	0.1%
Romania	9.5	10.1	9.6	7.6	7.0	8.2	7.6	5.8	5.7	5.9	5.4	-8.9%	-3.9%	0.1%
Russian Federation	97.0	93.9	100.7	92.2	90.5	94.0	98.4	90.5	87.6	92.2	87.3	-5.5%	-0.3%	2.3%
Slovakia	4.5	4.0	4.0	3.9	3.9	3.7	3.5	3.5	3.4	3.3	3.1	-5.0%	-2.5%	0.1%
Spain	17.9	20.0	13.5	9.4	6.9	12.8	15.5	11.4	11.6	13.7	10.4	-23.9%	-4.0%	0.3%
Sweden	2.7	2.7	2.4	1.9	2.5	2.5	2.2	2.2	2.1	2.1	2.2	6.0%	-2.1%	0.1%
Switzerland	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-	-1.1%	♦
Turkey	26.2	29.5	29.6	30.9	31.4	33.9	36.5	31.6	36.1	34.7	38.4	10.3%	4.6%	1.0%
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine	39.8	39.8	41.8	35.9	38.3	41.5	42.5	41.6	35.6	27.3	31.5	14.9%	-3.1%	0.8%
United Kingdom	40.9	38.4	35.6	29.8	30.9	31.4	39.0	36.8	29.7	23.0	11.0	-52.5%	-4.7%	0.3%
Uzbekistan	0.8	1.0	1.0	1.0	0.9	1.1	1.2	1.1	1.2	1.1	1.0	-10.1%	1.9%	♦
Other Europe & Eurasia	21.0	21.2	22.2	21.3	22.5	24.6	22.9	23.8	21.9	23.0	23.0	-0.1%	1.1%	0.6%
Total Europe & Eurasia	536.3	540.2	528.3	475.8	492.5	514.9	528.1	508.1	487.3	471.3	451.6	-4.5%	-0.9%	12.1%
Iran	1.5	1.6	1.2	1.4	1.3	1.4	1.1	1.4	1.6	1.6	1.7	4.3%	0.5%	♦
Israel	7.8	8.0	7.9	7.7	7.7	7.9	8.8	7.4	6.9	6.7	5.7	-15.5%	-1.6%	0.2%
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	†	0.1	0.1	†	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-	13.5%	♦
United Arab Emirates	0.3	0.1	0.3	0.6	0.7	1.3	1.7	1.4	1.5	1.3	1.3	-	24.1%	♦
Other Middle East	0.1	0.1	0.2	0.2	0.3	0.4	0.6	0.5	0.7	0.5	0.5	♦	13.2%	♦
Total Middle East	9.8	9.9	9.7	9.9	10.1	11.2	12.3	10.9	10.8	10.2	9.3	-9.5%	0.4%	0.2%
Algeria	0.9	0.8	0.8	0.5	0.3	0.3	0.3	0.2	0.2	0.1	0.1	-	-13.2%	♦
Egypt	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	4.3%	-7.0%	♦
South Africa	81.5	83.7	93.3	93.8	92.8	90.5	88.3	88.6	89.8	83.4	85.1	1.8%	0.4%	2.3%
Other Africa	7.4	6.9	6.7	6.1	6.5	7.2	7.0	8.3	11.9	11.4	10.3	-10.3%	3.8%	0.3%
Total Africa	90.6	92.1	101.5	101.0	100.1	98.5	96.1	97.5	102.3	95.3	95.9	0.4%	0.7%	2.6%
Australia	53.1	52.7	54.9	53.1	49.4	48.1	45.1	43.0	42.6	44.1	43.8	-0.9%	-1.6%	1.2%
Bangladesh	0.5	0.6	0.6	0.8	0.8	0.7	0.9	1.0	0.8	0.7	0.8	17.0%	3.7%	♦
China	1454.7	1584.2	1609.3	1685.8	1748.9	1903.9	1927.8	1969.1	1954.5	1913.6	1887.6	-1.6%	3.7%	50.6%
China Hong Kong SAR	6.9	7.5	6.9	7.2	6.2	7.4	7.3	7.8	8.1	6.7	6.7	-0.3%	-0.2%	0.2%
India	219.4	240.1	259.3	280.8	290.4	304.8	330.0	352.8	387.5	396.6	411.9	3.6%	6.5%	11.0%
Indonesia	28.9	36.2	31.5	33.2	39.5	46.9	53.0	57.0	45.1	51.2	62.7	22.2%	7.7%	1.7%
Japan	112.3	117.7	120.3	101.6	115.7	109.6	115.8	121.2	119.1	119.9	119.9	-0.2%	0.5%	3.2%
Malaysia	7.3	8.8	9.8	10.6	14.8	14.8	15.9	15.1	15.4	16.9	19.9	17.6%	9.4%	0.5%
New Zealand	2.2	1.7	2.1	1.6	1.4	1.4	1.7	1.5	1.5	1.4	1.2	-15.4%	-4.5%	♦
Pakistan	4.0	5.4	6.0	4.9	4.6	4.0	4.0	3.2	4.7	4.7	5.4	15.1%	2.2%	0.1%
Philippines	5.0	5.4	6.4	6.1	7.0	7.7	8.1	10.0	10.6	11.6	13.5	16.0%	9.7%	0.4%
Singapore	†	†	†	†	†	†	†	0.3	0.4	0.4	0.4	-6.5%	47.4%	♦
South Korea	54.8	59.7	66.1	68.6	75.9	83.6	81.0	81.9	84.6	85.5	81.6	-4.8%	4.6%	2.2%
Taiwan	37.0	38.8	37.0	35.2	37.6	38.9	38.0	38.6	39.0	37.8	38.6	1.7%	0.7%	1.0%
Thailand	12.4	14.0	15.1	15.1	15.5	15.8	16.5	16.3	17.9	17.6	17.7	0.7%	4.3%	0.5%
Vietnam	5.3	5.8	11.4	10.7	14.0	16.5	15.0	15.8	18.9	22.3	21.3	-4.4%	9.5%	0.6%
Other Asia Pacific	21.9	18.8	20.6	20.9	20.4	16.5	17.2	13.8	16.0	16.9	20.6	21.3%	-2.3%	0.6%
Total Asia Pacific	2025.7	2197.4	2257.3	2336.3	2442.3	2620.6	2677.4	2748.3	2767.0	2747.7	2753.6	-0.1%	3.9%	73.8%
Total World	3293.9	3480.2	3528.4	3476.1	3635.6	3807.2	3817.3	3887.0	3889.4	3784.7	3732.0	-1.7%	1.9%	100.0%
of which: OECD	1177.7	1198.4	1175.2	1051.0	1114.8	1094.1	1047.3	1058.4	1040.9	972.7	913.3	-6.4%	-1.9%	24.5%
Non-OECD	2116.2	2281.7	2353.2	2425.1	2520.8	2713.1	2770.0	2828.5	2848.5	2812.0	2818.7	♦	3.7%	75.5%
European Union	327.2	328.4	303.6	267.4	280.2	288.1	294.3	288.0	268.4	261.1	238.4	-8.9%	-1.9%	6.4%
CIS	167.3	167.3	179.0	161.5	164.7	174.7	180.7	171.8	167.8	158.9	157.9	-0.9%	-0.2%	4.2%

*Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), lignite and brown (sub-bituminous) coal, and other commercial solid fuels. Excludes coal converted to liquid or gaseous fuels, but includes coal consumed in transformation processes.

†Less than 0.05.

♦Less than 0.05%.

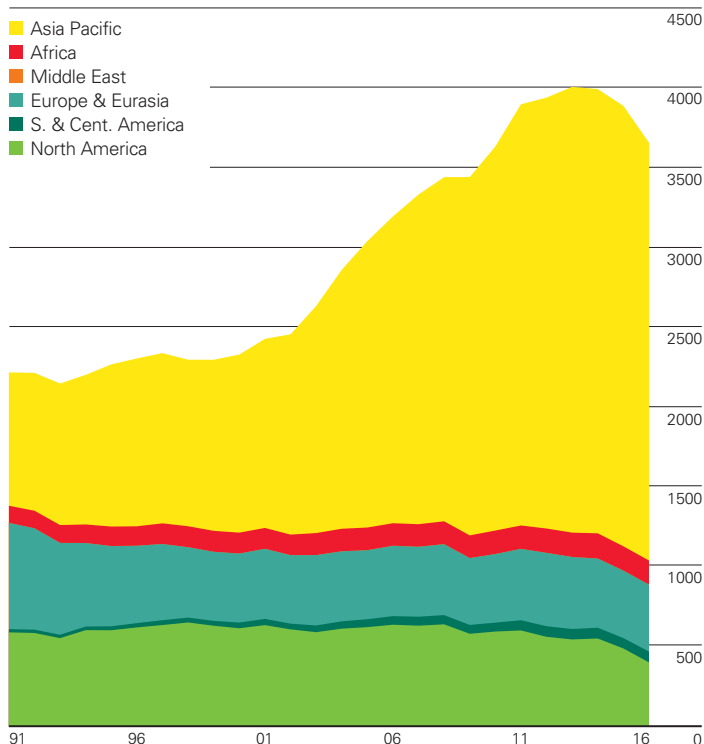
Notes: Differences between these world consumption figures and the world production statistics are accounted for by stock changes, and unavoidable disparities in the definition, measurement or conversion of coal supply and demand data.

Annual changes and shares of total are calculated using million tonnes oil equivalent figures.

Growth rates are adjusted for leap years.

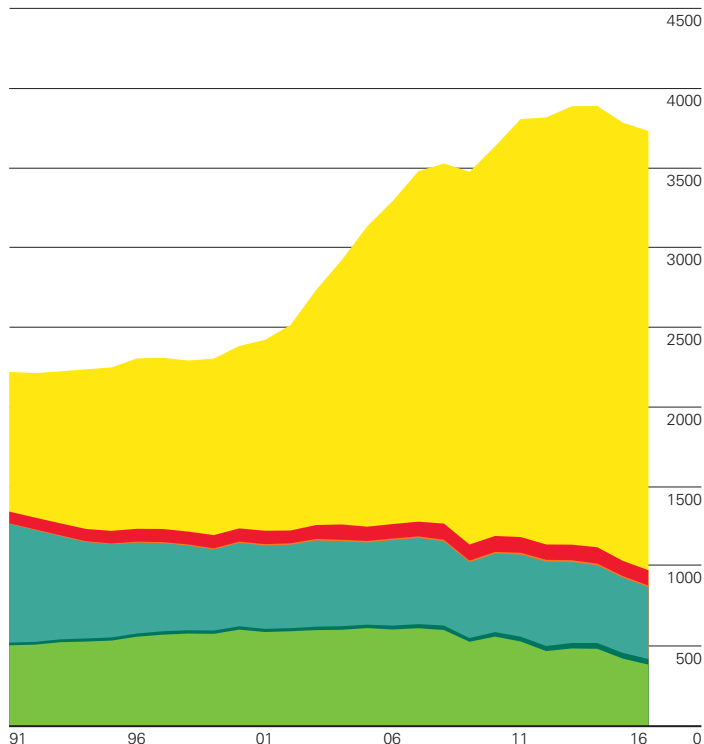
Coal: Production by region

Million tonnes oil equivalent



Coal: Consumption by region

Million tonnes oil equivalent



World coal production fell by 6.2%, or 231 million tonnes of oil equivalent (mtoe) in 2016, the largest decline on record. China's production fell by 7.9% or 140 mtoe – also a record decline – while US production fell by 19% or 85 mtoe. Global coal consumption fell by 1.7%, the second successive decline. The largest decreases were seen in the US (-33 mtoe, an 8.8% fall), China (-26 mtoe, -1.6%) and the United Kingdom (-12 mtoe, -52.5%).

Coal prices

US dollars per tonne

