

coal

proved reserves at end of 2001

Million tonnes	Anthracite and bituminous	Sub-bituminous and Lignite	Total	Share of total	R/P ratio
USA	115891	134103	249994	25.4%	246
Canada	3471	3107	6578	0.7%	93
Mexico	860	351	1211	0.1%	101
Total North America	120222	137561	257783	26.2%	234
Brazil	–	11929	11929	1.2%	*
Colombia	6267	381	6648	0.7%	157
Venezuela	479	–	479	♦	59
Other S. & Cent. America	992	1704	2696	0.3%	*
Total S. & Cent. America	7738	14014	21752	2.2%	381
Bulgaria	13	2698	2711	0.3%	96
Czech Republic	2114	3564	5678	0.6%	86
France	22	14	36	♦	15
Germany	23000	43000	66000	6.7%	326
Greece	–	2874	2874	0.3%	43
Hungary	–	1097	1097	0.1%	80
Poland	20300	1860	22160	2.3%	136
Romania	1	1456	1457	0.1%	44
Spain	200	460	660	0.1%	29
Turkey	278	3411	3689	0.4%	54
United Kingdom	1000	500	1500	0.2%	47
Other Europe	584	16949	17533	1.8%	337
Total Europe	47512	77883	125395	12.7%	167
Kazakhstan	31000	3000	34000	3.5%	431
Russian Federation	49088	107922	157010	15.9%	*
Ukraine	16274	17879	34153	3.5%	407
Other Former Soviet Union	1000	3812	4812	0.5%	*
Total Former Soviet Union	97362	132613	229975	23.4%	*
South Africa	49520	–	49520	5.0%	220
Zimbabwe	502	–	502	0.1%	101
Other Africa	5149	196	5345	0.5%	*
Middle East	1710	–	1710	0.2%	*
Total Africa & Middle East	56881	196	57077	5.8%	246
Australia	42550	39540	82090	8.3%	261
China	62200	52300	114500	11.6%	105
India	82396	2000	84396	8.6%	246
Indonesia	790	4580	5370	0.5%	58
Japan	773	–	773	0.1%	242
New Zealand	33	539	572	0.1%	141
North Korea	300	300	600	0.1%	6
Pakistan	–	2265	2265	0.2%	*
South Korea	78	–	78	♦	20
Other Asia Pacific	227	1600	1827	0.2%	47
Total Asia Pacific	189347	103124	292471	29.7%	147
TOTAL WORLD	519062	465391	984453	100.0%	216
of which: OECD	211084	234686	445770	45.3%	215
Former Soviet Union	97362	132613	229975	23.4%	*
Other EMEs	210616	98092	308708	31.4%	150

*More than 500 years.

♦Less than 0.05%.

Notes:

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 deposits under existing economic and operating conditions.

Reserves/Production (R/P) ratio – If the reserves remaining at the end of the 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 level.

Source of reserves data – World Energy Council.

prices

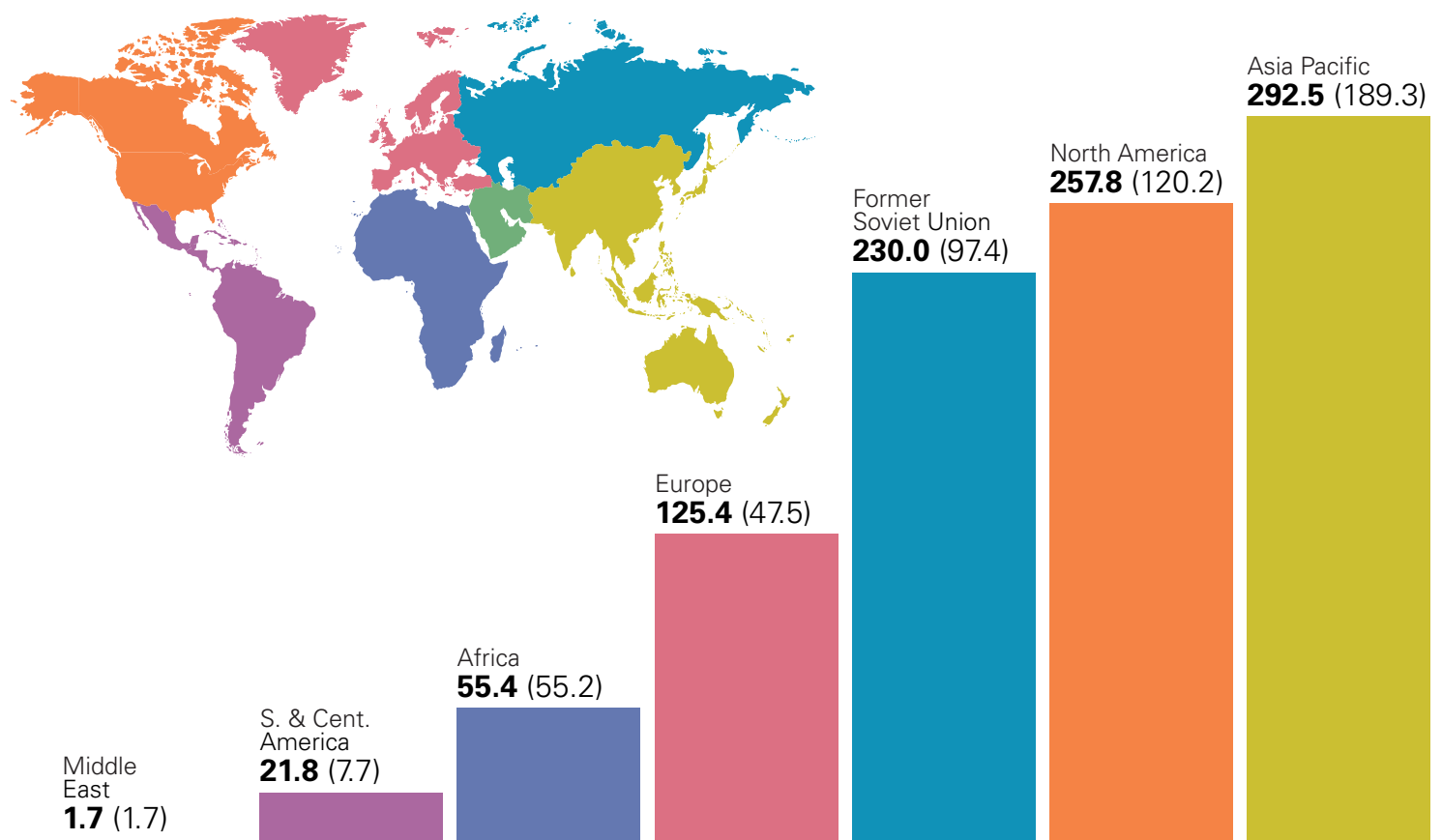
US dollars per tonne	Marker Price (basis Northwest Europe)*	Price of US coal receipts at steam-electric utility plants	Japan coking coal import cif price	Japan steam coal import cif price
1987	31.30	35.09	53.44	41.28
1988	39.94	33.77	55.06	42.47
1989	42.08	33.21	58.68	48.86
1990	43.48	33.57	60.54	50.81
1991	42.80	33.10	60.45	50.30
1992	38.53	32.35	57.82	48.45
1993	33.68	31.51	55.26	45.71
1994	37.18	30.88	51.77	43.66
1995	44.50	29.78	54.47	47.58
1996	41.25	29.16	56.68	49.54
1997	38.92	28.83	55.51	45.53
1998	32.00	28.31	50.76	40.51
1999	28.79	27.35	42.83	35.74
2000	35.98	26.99	39.69	34.58
2001	39.29	27.68	41.33	37.96

*Source of Marker Price: McCloskey Coal Information Service.

Note: cif = cost+insurance+freight (average prices).

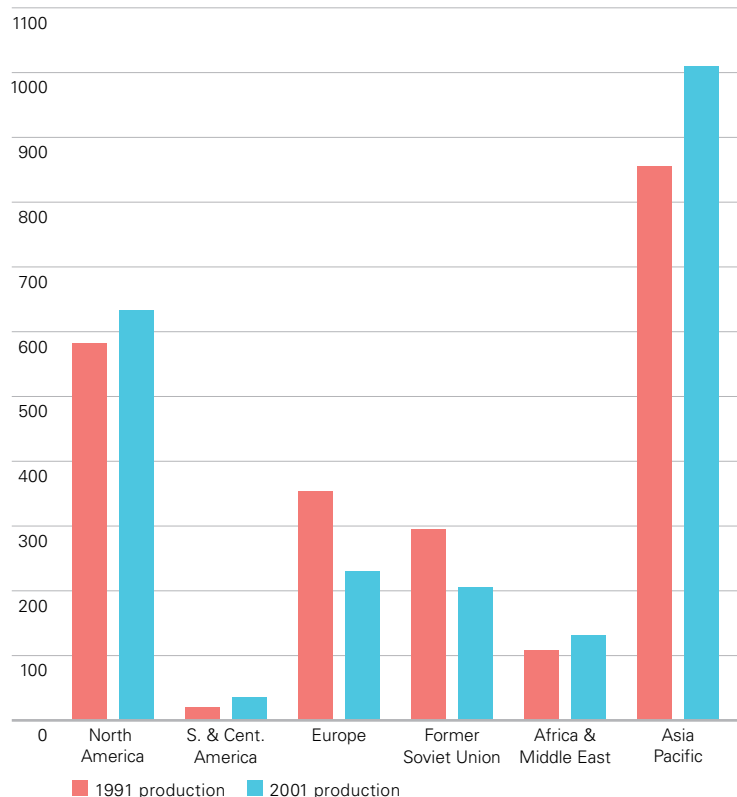
proved reserves at end 2001

Thousand million tonnes (share of anthracite and bituminous coal is shown in brackets)



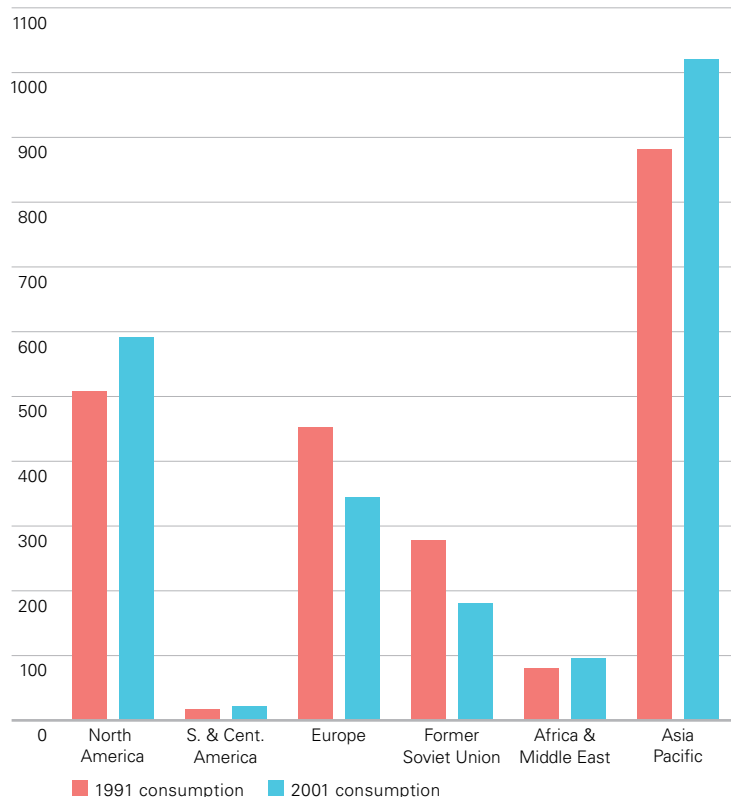
production

Million tonnes oil equivalent



consumption

Million tonnes oil equivalent



Global coal production and consumption have been broadly flat over the last decade, with declines in Europe and the Former Soviet Union offset by gains in North America, Asia and the Rest of the World.

coal

production*

Million tonnes oil equivalent	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	Change 2001 over 2000	2001 share of total
USA	539.9	540.7	506.2	552.8	550.7	567.1	580.3	598.4	579.7	565.6	590.7	4.4%	26.3%
Canada	39.7	35.1	37.5	39.4	40.8	41.6	43.0	40.8	39.2	37.0	37.6	1.6%	1.7%
Mexico	3.1	2.9	3.1	4.3	4.1	4.6	4.5	4.8	4.9	5.4	5.7	5.8%	0.3%
Total North America	582.7	578.7	546.8	596.5	595.6	613.3	627.8	644.0	623.8	608.0	634.0	4.3%	28.2%
Brazil	2.1	1.8	1.8	2.0	2.0	1.8	2.1	2.0	2.1	2.1	2.1	0.5%	0.1%
Colombia	13.8	15.3	14.1	14.7	16.7	19.5	21.0	19.6	21.3	24.8	27.6	11.3%	1.2%
Venezuela	1.8	1.8	2.9	3.2	3.2	3.1	3.9	4.7	4.8	5.7	5.9	2.8%	0.3%
Other S. & Cent. America	2.0	1.5	1.2	1.4	1.3	1.2	1.1	0.4	0.5	0.6	0.6	-1.4%	♦
Total S. & Cent. America	19.7	20.4	20.0	21.3	23.2	25.6	28.1	26.7	28.7	33.2	36.2	8.9%	1.6%
Bulgaria	4.8	5.1	4.9	4.8	5.2	5.2	4.9	5.0	4.3	4.5	4.7	3.9%	0.2%
Czech Republic	33.9	31.4	30.8	28.1	27.3	27.0	27.9	26.0	23.1	25.2	25.8	2.3%	1.1%
France	7.4	6.8	6.3	5.4	5.1	5.0	4.1	3.4	3.1	2.1	1.5	-32.4%	0.1%
Germany	102.0	93.3	83.7	77.8	74.6	70.0	66.9	61.3	59.4	56.7	54.2	-4.3%	2.4%
Greece	6.9	7.0	7.2	7.4	7.5	7.2	7.7	8.1	8.2	8.5	9.0	6.3%	0.4%
Hungary	3.9	3.6	2.8	2.9	2.6	3.2	3.3	3.0	3.0	2.9	2.8	-2.1%	0.1%
Poland	90.7	89.2	89.2	89.3	91.1	94.5	92.1	79.6	77.1	72.0	72.5	0.7%	3.2%
Romania	7.4	8.5	8.9	9.1	9.3	9.6	7.4	5.7	5.1	6.4	7.3	13.4%	0.3%
Spain	11.2	11.4	11.0	10.6	10.2	10.0	9.8	9.3	8.6	8.2	8.0	-3.2%	0.4%
Turkey	11.8	12.1	11.7	12.1	12.1	12.3	13.1	13.9	13.3	13.0	12.9	-0.1%	0.6%
United Kingdom	55.8	50.0	40.3	28.3	31.8	30.2	29.4	25.0	22.5	19.0	19.6	3.1%	0.9%
Other Europe	17.9	16.6	15.3	12.2	12.9	12.3	13.7	14.2	11.0	11.9	12.1	1.3%	0.5%
Total Europe	353.7	335.0	312.1	288.0	289.7	286.5	280.3	254.5	238.7	230.4	230.4	♦	10.2%
Kazakhstan	66.9	65.0	57.3	53.5	42.6	39.3	37.3	36.0	30.0	38.5	40.6	5.4%	1.8%
Russian Federation	154.8	148.4	135.1	121.2	118.5	114.4	109.3	103.9	112.0	115.8	120.8	4.3%	5.4%
Ukraine	69.1	68.4	59.4	48.5	44.2	39.1	39.8	39.9	42.8	42.1	43.6	3.5%	1.9%
Other Former Soviet Union	3.7	2.5	2.0	1.6	1.2	1.1	1.1	1.1	1.1	0.9	1.0	9.2%	♦
Total Former Soviet Union	294.5	284.3	253.8	224.8	206.5	193.9	187.5	180.9	185.9	197.3	206.0	4.4%	9.2%
Total Middle East	0.6	0.6	0.6	0.8	0.7	0.7	0.6	0.6	0.7	0.6	0.5	-18.0%	♦
South Africa	102.2	100.0	103.5	111.1	116.9	116.9	124.6	127.1	125.6	126.5	126.7	0.1%	5.6%
Zimbabwe	3.6	3.6	3.4	3.5	3.6	3.3	3.4	3.5	3.2	2.8	3.2	13.2%	0.1%
Other Africa	1.4	1.4	1.3	1.4	1.4	1.3	1.2	1.4	1.3	1.2	1.1	-2.1%	0.1%
Total Africa	107.2	105.0	108.2	116.0	121.9	121.5	129.2	132.0	130.1	130.5	131.0	0.4%	5.8%
Australia	113.3	119.6	121.4	122.5	128.5	133.9	147.8	151.3	155.8	153.3	168.1	9.7%	7.5%
China	545.1	559.9	580.7	619.4	650.9	691.5	665.5	619.7	523.9	501.8	548.5	9.3%	24.4%
India	112.6	119.2	123.5	126.9	135.2	145.7	149.6	150.3	147.4	157.0	161.1	2.6%	7.2%
Indonesia	8.5	13.8	17.0	20.2	25.7	31.0	33.7	38.3	45.3	47.4	56.9	20.2%	2.5%
Japan	4.4	4.2	4.0	3.8	3.4	3.6	2.4	2.0	2.2	1.7	1.8	2.2%	0.1%
New Zealand	1.5	1.7	1.8	1.8	2.1	2.2	2.0	2.0	2.2	2.2	2.5	15.7%	0.1%
Pakistan	1.3	1.3	1.4	1.4	1.4	1.5	1.4	1.5	1.5	1.4	1.5	2.5%	0.1%
South Korea	6.8	5.4	4.2	3.3	2.6	2.2	2.0	2.0	1.9	1.9	1.7	-8.0%	0.1%
Other Asia Pacific	62.6	64.2	66.7	66.2	66.4	67.5	68.5	65.0	64.2	66.2	68.1	2.8%	3.0%
Total Asia Pacific	856.1	889.3	920.7	965.5	1016.2	1079.1	1072.9	1032.1	944.4	932.9	1010.2	8.3%	44.9%
TOTAL WORLD	2214.5	2213.3	2162.2	2212.9	2253.8	2320.6	2326.4	2270.8	2152.3	2132.9	2248.3	5.4%	100.0%
of which: OECD	1035.0	1016.6	963.2	991.1	995.9	1015.6	1038.1	1032.5	1005.7	976.4	1016.8	4.1%	45.2%
Former Soviet Union	294.5	284.3	253.8	224.8	206.5	193.9	187.5	180.9	185.9	197.3	206.0	4.4%	9.2%
Other EMEs	884.8	912.5	945.4	997.3	1051.6	1111.0	1100.9	1057.4	960.5	959.2	1025.4	6.9%	45.6%

*Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal.

♦Less than 0.05%.

Note: Because of rounding some totals may not agree exactly with the sum of their component parts.

Coal production data expressed in million tonnes is available at www.bp.com/centres/energy/

consumption*

Million tonnes oil equivalent	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	Change 2001 over 2000	2001 share of total
USA	478.8	482.7	498.1	502.3	504.7	528.2	540.9	546.0	546.3	565.3	555.7	-1.7%	24.6%
Canada	25.5	26.2	23.7	24.5	25.2	25.7	26.8	28.1	27.8	29.4	28.9	-1.6%	1.3%
Mexico	3.3	3.4	3.8	4.5	5.0	5.7	5.7	5.9	6.0	6.2	6.3	2.4%	0.3%
Total North America	507.6	512.3	525.6	531.3	534.9	559.6	573.4	580.0	580.1	600.9	590.9	-1.7%	26.2%
Argentina	0.8	0.8	0.7	1.2	0.9	0.9	0.8	0.7	0.7	0.7	0.7	-3.4%	♦
Brazil	10.2	9.9	10.2	10.2	10.7	11.2	11.4	11.2	11.7	12.8	14.0	9.6%	0.6%
Chile	2.0	1.8	1.8	2.2	2.4	3.2	4.2	3.7	3.5	3.9	4.0	2.1%	0.2%
Colombia	3.7	3.6	3.7	3.6	3.4	3.2	3.1	2.8	2.1	2.2	2.4	8.6%	0.1%
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.5	0.6	7.6%	♦
Venezuela	-	†	†	0.1	†	†	†	†	0.1	†	†	-	♦
Other S. & Cent. America	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.5	0.5	0.6	0.7	18.0%	♦
Total S. & Cent. America	17.4	16.9	17.3	18.1	18.2	19.3	20.3	19.3	19.1	20.7	22.4	7.8%	1.0%
Austria	3.6	2.8	2.4	2.5	2.4	2.7	3.1	3.0	3.2	3.2	2.7	-16.3%	0.1%
Belgium & Luxembourg	10.8	10.2	8.7	8.5	9.8	7.6	7.5	7.9	6.9	7.6	7.1	-5.9%	0.3%
Bulgaria	7.5	7.3	8.2	7.6	7.8	8.4	7.8	8.2	6.6	6.6	6.1	-7.9%	0.3%
Czech Republic	30.4	25.4	23.7	23.2	23.5	23.6	22.8	20.5	19.0	20.7	21.3	2.8%	0.9%
Denmark	8.4	6.7	7.2	7.8	6.6	9.0	6.7	5.6	4.7	4.0	4.2	3.9%	0.2%
Finland	3.6	2.7	3.1	4.1	3.1	4.0	4.5	3.4	3.6	3.5	3.9	10.6%	0.2%
France	20.1	17.9	14.7	13.7	14.5	15.4	13.4	16.1	14.3	13.8	10.9	-20.9%	0.5%
Germany	113.3	104.4	97.9	95.6	90.6	89.9	86.8	84.8	80.2	84.9	84.4	-0.6%	3.7%
Greece	7.8	8.4	7.9	8.4	8.2	7.8	7.6	8.8	9.1	9.2	9.5	3.1%	0.4%
Hungary	5.8	4.6	4.0	3.6	3.6	3.7	3.7	3.4	3.4	3.2	3.1	-3.1%	0.1%
Iceland	0.1	†	†	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1%	♦
Republic of Ireland	2.2	2.0	1.9	1.9	1.9	1.9	2.0	1.9	1.6	2.0	2.1	5.0%	0.1%
Italy	13.7	12.4	10.0	10.7	12.5	11.2	11.0	11.6	11.6	13.0	13.9	6.9%	0.6%
Netherlands	8.2	7.7	8.2	9.0	9.8	9.3	9.5	9.4	7.7	8.6	8.4	-1.9%	0.4%
Norway	0.4	0.4	0.5	0.6	0.7	0.6	0.6	0.7	0.7	0.7	0.6	-11.2%	♦
Poland	77.6	73.0	74.0	72.3	71.7	73.2	70.1	63.8	61.0	57.6	57.5	-0.2%	2.5%
Portugal	3.0	3.0	3.3	3.4	4.2	3.9	3.6	3.6	3.6	3.6	3.6	-2.3%	0.2%
Romania	9.6	10.3	9.5	9.4	9.7	9.5	8.4	7.0	6.7	7.0	7.7	8.8%	0.3%
Slovakia	6.3	6.2	5.6	5.0	5.1	5.0	4.7	4.5	4.3	4.0	4.1	1.7%	0.2%
Spain	18.8	19.1	18.2	18.0	18.5	15.5	17.7	17.7	20.5	21.6	19.5	-10.0%	0.9%
Sweden	2.4	2.2	2.1	2.1	2.1	2.4	2.1	2.0	2.0	1.9	2.0	4.4%	0.1%
Switzerland	0.3	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	-1.7%	♦
Turkey	16.8	19.0	18.7	17.6	17.5	20.7	22.3	22.5	20.8	22.3	20.4	-8.5%	0.9%
United Kingdom	65.1	61.2	53.3	49.7	47.5	44.4	39.6	39.7	35.6	36.9	40.3	9.0%	1.8%
Other Europe	17.3	16.6	14.7	11.8	12.1	11.6	12.2	13.6	11.0	11.8	10.6	-9.8%	0.5%
Total Europe	453.1	423.7	397.9	386.8	383.7	381.5	367.9	359.9	338.3	347.9	344.1	-1.2%	15.3%
Azerbaijan	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Belarus	1.1	0.7	0.6	0.2	0.3	0.5	0.6	0.4	0.3	0.3	0.3	-	♦
Kazakhstan	38.2	39.9	36.4	34.5	27.5	25.9	22.4	22.9	19.8	23.2	24.7	6.5%	1.1%
Lithuania	0.6	0.5	†	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-6.4%	♦
Russian Federation	165.6	154.7	140.8	126.4	119.4	115.7	109.7	102.8	109.4	110.4	114.6	3.9%	5.1%
Turkmenistan	0.3	0.1	-	†	†	†	-	-	-	-	-	-	-
Ukraine	62.1	63.9	56.3	46.3	42.1	33.2	38.0	36.9	38.5	38.8	39.0	0.6%	1.7%
Uzbekistan	4.0	2.9	1.9	1.8	1.4	1.2	1.2	1.2	0.9	1.0	1.1	2.4%	♦
Other Former Soviet Union	5.7	2.8	2.7	2.1	1.8	2.1	2.5	1.7	1.0	0.8	0.6	-26.2%	♦
Total Former Soviet Union	277.7	265.5	238.7	211.4	192.6	178.7	174.5	166.0	170.0	174.6	180.4	3.3%	8.0%
Iran	1.1	1.2	1.3	1.3	1.4	1.2	0.9	1.0	1.0	1.1	0.8	-25.6%	♦
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	2.5	3.1	3.5	3.8	4.1	5.0	5.4	5.8	5.7	6.2	7.2	15.6%	0.3%
Total Middle East	3.6	4.3	4.8	5.1	5.5	6.2	6.3	6.8	6.7	7.3	8.0	9.5%	0.4%
Algeria	0.7	0.6	0.6	0.6	0.6	0.5	0.3	0.5	0.5	0.6	0.6	5.3%	♦
Egypt	0.7	0.8	0.9	1.0	0.7	0.9	0.9	0.9	0.9	0.9	0.9	-	♦
South Africa	70.1	67.3	69.8	73.6	77.4	81.7	84.3	83.4	82.3	81.9	80.6	-1.6%	3.6%
Other Africa	6.0	6.1	6.8	6.5	6.7	6.7	6.9	6.9	6.5	6.1	6.5	7.2%	0.3%
Total Africa	77.5	74.8	78.1	81.7	85.4	89.8	92.4	91.7	90.2	89.5	88.6	-0.9%	3.9%
Australia	37.4	39.0	36.4	38.7	41.2	43.9	45.4	45.9	45.5	47.5	47.6	0.3%	2.1%
Bangladesh	0.1	0.1	†	†	0.3	0.2	0.3	0.1	†	0.1	0.1	-	♦
China	534.9	549.5	570.3	606.4	635.7	676.9	649.3	616.8	512.7	493.7	520.6	5.4%	23.1%
China Hong Kong SAR	5.9	6.3	7.3	5.2	5.6	4.2	3.5	4.4	3.9	3.7	4.9	32.6%	0.2%
India	116.2	123.3	128.0	133.9	142.8	154.4	160.2	159.9	158.1	171.4	173.5	1.2%	7.7%
Indonesia	4.1	4.1	4.0	4.8	5.7	6.9	8.2	9.3	11.6	13.7	16.7	21.9%	0.7%
Japan	79.0	78.0	79.2	82.0	86.2	88.3	89.8	88.4	91.5	98.9	103.0	4.2%	4.6%
Malaysia	1.3	1.3	1.3	1.1	1.5	1.5	1.6	1.7	1.8	1.9	2.4	26.3%	0.1%
New Zealand	1.2	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.1	1.3	15.0%	0.1%
Pakistan	2.0	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	-1.9%	0.1%
Philippines	1.3	1.1	1.3	1.3	1.4	2.0	2.4	2.7	2.9	4.3	4.5	5.8%	0.2%
Singapore	-	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	24.5	23.6	25.9	26.7	28.1	32.2	34.8	36.1	38.2	43.0	45.7	6.2%	2.0%
Taiwan	12.2	14.3	15.6	16.6	17.1	19.4	21.9	23.8	24.9	28.9	30.9	6.9%	1.4%
Thailand	4.5	4.8	5.4	6.1	7.1	8.7	8.7	7.3	7.9	7.8	8.8	12.7%	0.4%
Other Asia Pacific	56.5	57.3	59.1	58.7	58.9	58.7	59.3	56.5	55.8	57.9	58.7	1.4%	2.6%
Total Asia Pacific	881.1	906.1	937.2	984.9	1035.0	1100.7	1088.7	1056.1	958.1	975.9	1020.7	4.6%	45.3%
TOTAL WORLD	2218.0	2203.6	2199.6	2219.3	2255.3	2335.8	2323.5	2279.8	2162.5	2216.8	2255.1	1.7%	100.0%
of which: European Union 15	281.0	260.7	238.9	235.4	231.7	225.0	215.1	215.5	204.6	213.8	212.5	-0.7%	9.4%
OECD	1068.4	1043.7	1033.8	1037.9	1045.7	1077.2	1084.1	1082.6	1070.5	1113.9	1108.2	-0.5%	49.1%
Former Soviet Union	277.7	265.5	238.7	211.4	192.6	178.7	174.5	166.0	170.0	174.6	180.4	3.3%	8.0%
Other EMEs	871.9	894.4	927.1	970.0	1017.0	1079.9	1064.9	1031.2	922.0	928.3	966.5	4.1%	42.9%

*Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal.

†Less than 0.05.

♦Less than 0.05%.