

- Coal
- 46 Reserves
- 48 Production
- 49 Consumption
- 51 Prices and trade movements



Statistical Review of World Energy

2021 | 70th edition



70

Reviewing world energy
data for 70 years

Total proved reserves at end 2020

Million tonnes	Anthracite and bituminous	Sub- bituminous and lignite	Total	Share of Total	R/P ratio
Canada	4346	2236	6582	0.6%	166
Mexico	1160	51	1211	0.1%	185
US	218938	30003	248941	23.2%	*
Total North America	224444	32290	256734	23.9%	484
Brazil	1547	5049	6596	0.6%	*
Colombia	4554	—	4554	0.4%	90
Venezuela	731	—	731	0.1%	*
Other S. & Cent. America	1784	24	1808	0.2%	*
Total S. & Cent. America	8616	5073	13689	1.3%	240
Bulgaria	192	2174	2366	0.2%	192
Czech Republic	1081	2514	3595	0.3%	113
Germany	—	35900	35900	3.3%	334
Greece	—	2876	2876	0.3%	205
Hungary	276	2633	2909	0.3%	475
Poland	22530	5865	28395	2.6%	282
Romania	11	280	291	♦	19
Serbia	402	7112	7514	0.7%	189
Spain	868	319	1187	0.1%	282
Turkey	550	10975	11525	1.1%	168
Ukraine	32039	2336	34375	3.2%	*
United Kingdom	26	—	26	♦	16
Other Europe	1109	5172	6281	0.6%	189
Total Europe	59084	78156	137240	12.8%	299
Kazakhstan	25605	—	25605	2.4%	226
Russian Federation	71719	90447	162166	15.1%	407
Uzbekistan	1375	—	1375	0.1%	333
Other CIS	1509	—	1509	0.1%	336
Total CIS	100208	90447	190655	17.8%	367
South Africa	9893	—	9893	0.9%	40
Zimbabwe	502	—	502	♦	153
Other Africa	4376	66	4442	0.4%	280
Middle East	1203	—	1203	0.1%	*
Total Middle East & Africa	15974	66	16040	1.5%	60
Australia	73719	76508	150227	14.0%	315
China	135069	8128	143197	13.3%	37
India	108979	5073	111052	10.3%	147
Indonesia	23141	11728	34869	3.2%	62
Japan	340	10	350	♦	453
Mongolia	1170	1350	2520	0.2%	58
New Zealand	825	6750	7575	0.7%	*
Pakistan	207	2857	3064	0.3%	396
South Korea	326	—	326	♦	320
Thailand	—	1063	1063	0.1%	80
Vietnam	3116	244	3360	0.3%	69
Other Asia Pacific	1421	726	2147	0.2%	33
Total Asia Pacific	345313	114437	459750	42.8%	78
Total World	753639	320469	1074108	100.0%	139
of which: OECD	331303	177130	508433	47.3%	363
Non-OECD	422336	143339	565675	52.7%	90
European Union	25539	53051	78590	7.3%	266

*More than 500 years.

♦Less than 0.05%.

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.

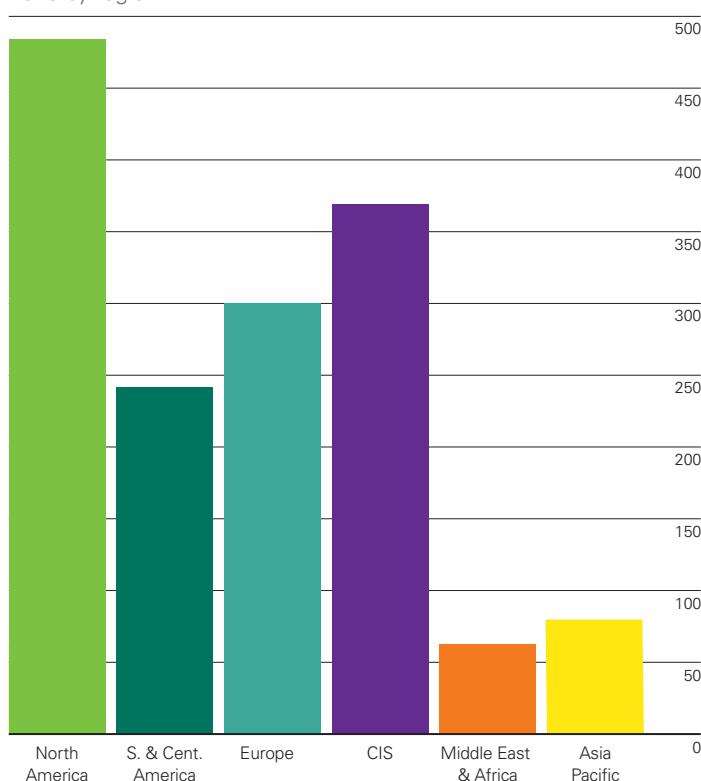
Shares of total and R/P ratios are calculated using million tonnes figures.

Source: Federal Institute for Geosciences and Natural Resources (BGR) Energy Study 2021.

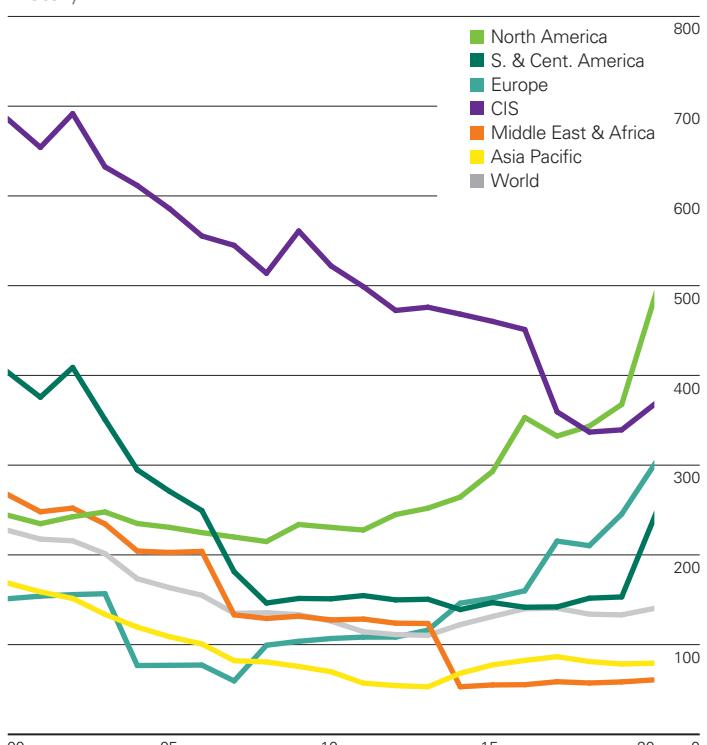
Reserves-to-production (R/P) ratios

Years

2020 by region



History

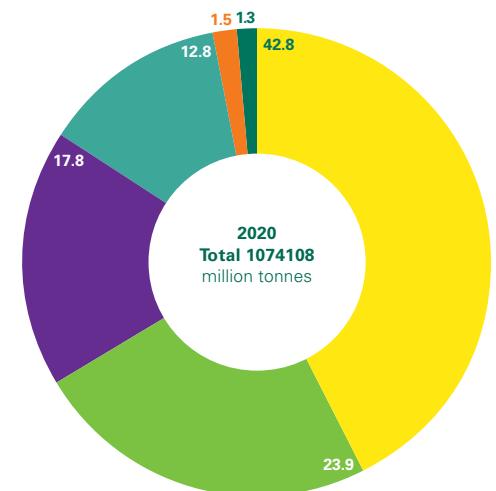
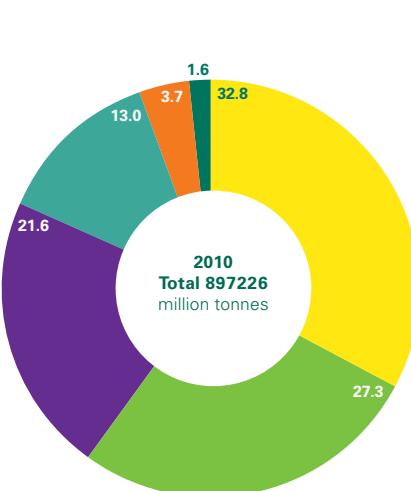
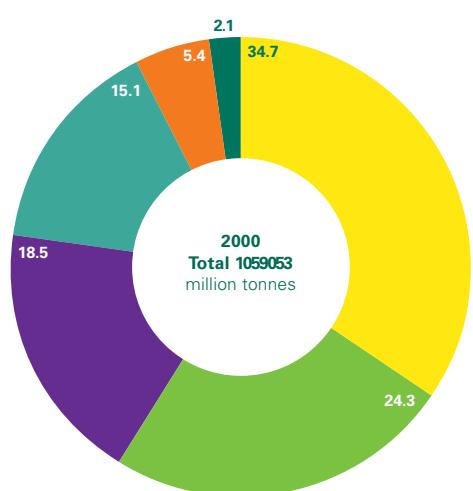


World coal reserves in 2020 stood at 1074 billion tonnes and are heavily concentrated in just a few countries: US (23%), Russia (15%), Australia (14%) and China (13%). Most of the reserves are anthracite and bituminous (70%). The current global R/P ratio shows that coal reserves in 2020 accounted for 139 years of current production with North America (484 years) and CIS (367 years) the regions with the highest ratios.

Distribution of proved reserves in 2000, 2010 and 2020

Percentage

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



Coal: Production*

Exajoules	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2020	
											2020	2020	2009-19	
Canada	1.48	1.48	1.49	1.53	1.51	1.36	1.37	1.33	1.22	1.14	0.89	-22.0%	-2.0%	0.6%
Mexico	0.31	0.39	0.31	0.30	0.30	0.29	0.25	0.31	0.28	0.23	0.15	-33.1%	-1.0%	0.1%
US	22.09	22.27	20.72	20.05	20.33	17.99	14.70	15.66	15.40	14.29	10.71	-25.2%	-4.1%	6.7%
Total North America	23.88	24.15	22.53	21.87	22.15	19.64	16.33	17.30	16.90	15.66	11.76	-25.1%	-3.9%	7.4%
Brazil	0.11	0.11	0.12	0.15	0.15	0.12	0.11	0.09	0.10	0.09	0.09	3.9%	-3.4%	0.1%
Colombia	2.14	2.47	2.56	2.46	2.55	2.46	2.60	2.60	2.42	2.43	1.46	-40.2%	1.5%	0.9%
Venezuela	0.08	0.08	0.06	0.04	0.02	0.02	0.01	0.01	†	0.01	0.02	181.9%	-22.8%	♦
Other S. & Cent. America	0.01	0.02	0.02	0.07	0.12	0.10	0.08	0.05	0.05	0.03	0.03	-10.5%	7.4%	♦
Total S. & Cent. America	2.35	2.68	2.76	2.72	2.85	2.70	2.81	2.76	2.57	2.56	1.60	-37.6%	0.9%	1.0%
Bulgaria	0.21	0.26	0.23	0.20	0.21	0.25	0.21	0.24	0.22	0.20	0.16	-20.6%	0.6%	0.1%
Czech Republic	0.87	0.88	0.85	0.74	0.71	0.71	0.67	0.64	0.62	0.56	0.43	-24.3%	-4.3%	0.3%
Germany	1.92	1.96	2.00	1.89	1.85	1.79	1.66	1.65	1.58	1.19	0.98	-17.9%	-4.8%	0.6%
Greece	0.31	0.31	0.34	0.28	0.27	0.24	0.17	0.19	0.18	0.21	0.11	-49.0%	-4.6%	0.1%
Hungary	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.05	0.05	0.04	0.04	-10.8%	-4.4%	♦
Poland	2.32	2.33	2.42	2.39	2.26	2.22	2.18	2.08	1.98	1.87	1.68	-10.1%	-2.3%	1.1%
Romania	0.25	0.28	0.27	0.19	0.19	0.20	0.18	0.19	0.17	0.16	0.11	-30.9%	-5.0%	0.1%
Serbia	0.30	0.33	0.31	0.32	0.24	0.30	0.30	0.30	0.28	0.29	0.29	1.7%	-0.7%	0.2%
Spain	0.14	0.11	0.10	0.07	0.07	0.05	0.03	0.05	0.03	0.07	0.08	14.3%	-8.4%	♦
Turkey	0.73	0.75	0.71	0.65	0.68	0.54	0.65	0.63	0.69	0.73	0.60	-18.1%	♦	0.4%
Ukraine	1.35	1.52	1.64	1.60	1.09	0.72	0.76	0.57	0.59	0.58	0.54	-8.0%	-8.0%	0.3%
United Kingdom	0.48	0.48	0.44	0.33	0.31	0.23	0.12	0.09	0.07	0.06	0.05	-23.0%	-18.0%	♦
Other Europe	0.66	0.66	0.59	0.69	0.66	0.60	0.56	0.57	0.82	0.51	0.46	-8.6%	-2.4%	0.3%
Total Europe	9.60	9.94	9.96	9.44	8.60	7.90	7.56	7.25	7.28	6.48	5.53	-14.8%	-4.0%	3.5%
Kazakhstan	1.99	2.08	2.16	2.15	2.05	1.93	1.85	2.02	2.13	2.07	2.04	-1.7%	1.3%	1.3%
Russian Federation	6.32	6.60	7.05	7.25	7.39	7.80	8.12	8.62	9.23	9.23	8.37	-9.6%	4.5%	5.2%
Uzbekistan	0.04	0.05	0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	1.8%	1.2%	♦
Other CIS	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.09	0.12	0.12	0.12	-2.3%	12.8%	0.1%
Total CIS	8.39	8.77	9.31	9.51	9.56	9.84	10.10	10.78	11.52	11.47	10.58	-8.0%	3.9%	6.6%
Total Middle East	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	-0.3%	3.8%	♦
South Africa	6.03	6.00	6.14	6.08	6.20	5.96	6.01	5.97	6.01	6.21	5.97	-4.1%	0.6%	3.7%
Zimbabwe	0.07	0.07	0.04	0.08	0.16	0.12	0.07	0.08	0.09	0.07	0.09	24.5%	4.7%	0.1%
Other Africa	0.04	0.05	0.18	0.21	0.24	0.25	0.33	0.61	0.76	0.55	0.41	-25.8%	34.3%	0.3%
Total Africa	6.15	6.11	6.36	6.38	6.59	6.33	6.42	6.66	6.87	6.84	6.47	-5.6%	1.4%	4.1%
Australia	10.49	10.26	11.13	11.97	12.81	12.80	12.83	12.50	13.09	13.21	12.42	-6.2%	2.7%	7.8%
China	69.72	77.53	78.44	79.32	78.05	76.59	70.82	73.17	76.87	79.76	80.91	1.2%	2.2%	50.7%
India	10.57	10.49	10.68	10.71	11.28	11.77	11.89	11.99	12.80	12.60	12.68	0.4%	2.0%	7.9%
Indonesia	6.79	8.72	9.52	11.71	11.30	11.39	11.25	11.38	13.76	15.20	13.88	-9.0%	9.2%	8.7%
Japan	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	1.5%	-4.5%	♦
Mongolia	0.48	0.63	0.59	0.64	0.47	0.46	0.67	0.94	1.04	1.09	0.82	-24.8%	14.7%	0.5%
New Zealand	0.14	0.13	0.13	0.12	0.10	0.09	0.07	0.07	0.08	0.08	0.07	-8.6%	-3.7%	♦
Pakistan	0.06	0.06	0.06	0.06	0.06	0.06	0.08	0.08	0.08	0.13	0.15	14.0%	6.8%	0.1%
South Korea	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	-6.3%	-7.9%	♦
Thailand	0.21	0.25	0.20	0.20	0.19	0.16	0.18	0.17	0.16	0.15	0.14	-7.3%	-2.8%	0.1%
Vietnam	1.05	1.09	0.99	0.96	0.96	0.98	0.91	0.90	0.99	1.09	1.14	4.5%	0.5%	0.7%
Other Asia Pacific	0.87	0.93	0.96	0.98	0.99	1.06	1.33	1.14	1.06	1.48	1.37	-7.5%	6.2%	0.9%
Total Asia Pacific	100.45	110.16	112.76	116.72	116.30	115.40	110.09	112.41	119.99	124.81	123.62	-1.2%	2.9%	77.5%
Total World	150.84	161.85	163.71	166.66	166.07	161.85	153.33	157.20	165.17	167.86	159.61	-5.2%	1.6%	100.0%
of which: OECD	43.99	44.39	43.70	43.43	44.42	41.31	37.81	38.28	38.18	36.42	29.93	-18.0%	-1.7%	18.8%
Non-OECD	106.85	117.46	120.00	123.23	121.65	120.54	115.52	118.92	127.00	131.44	129.67	-1.6%	2.8%	81.2%
European Union	6.45	6.57	6.59	6.24	5.99	5.83	5.44	5.39	5.20	4.56	3.79	-17.1%	-3.6%	2.4%

*Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and 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 0.005.

♦Less than 0.05%.

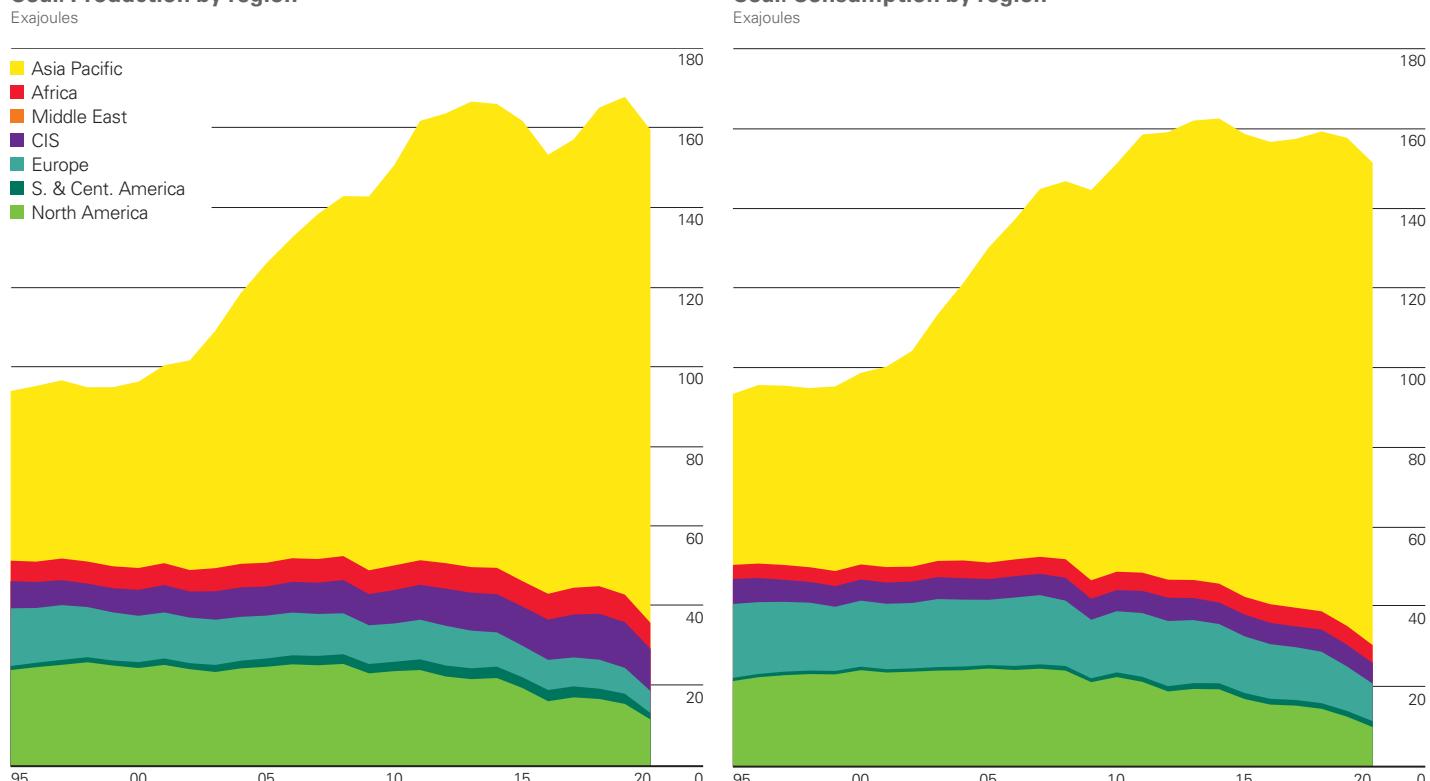
Note: Growth rates are adjusted for leap years.

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

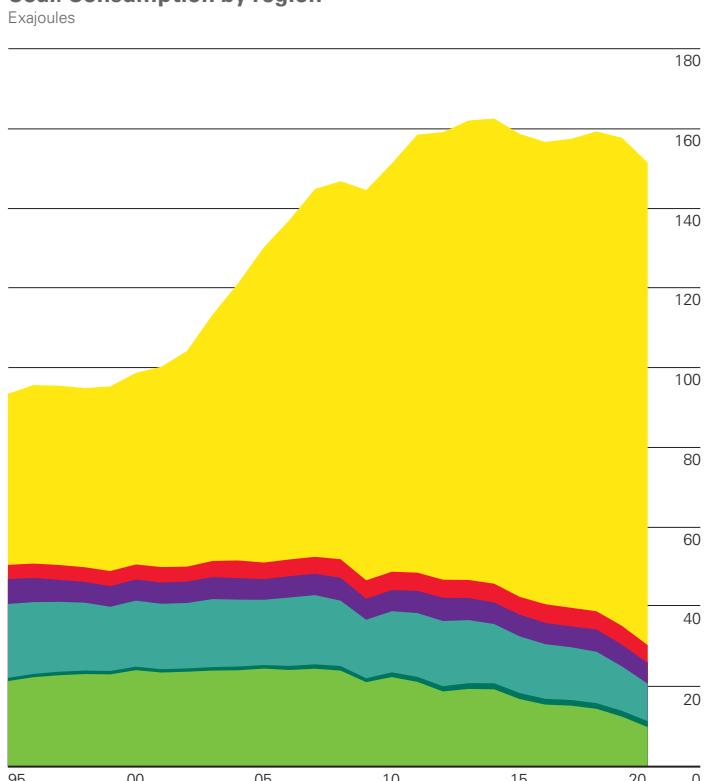
Coal: Consumption*

Exajoules	Growth rate per annum											Share 2020		
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	2009-19	
Canada	1.03	0.93	0.89	0.86	0.82	0.82	0.77	0.78	0.65	0.63	0.50	-22.2%	-4.5%	0.3%
Mexico	0.53	0.62	0.54	0.53	0.53	0.53	0.52	0.64	0.57	0.54	0.21	-61.5%	2.3%	0.1%
US	20.88	19.70	17.42	18.08	18.04	15.58	14.26	13.87	13.28	11.34	9.20	-19.1%	5.4%	6.1%
Total North America	22.45	21.25	18.85	19.48	19.39	16.94	15.55	15.29	14.50	12.52	9.91	-21.1%	-5.1%	6.5%
Argentina	0.05	0.05	0.05	0.05	0.06	0.06	0.04	0.05	0.05	0.03	0.03	8.8%	-1.7%	♦
Brazil	0.61	0.65	0.64	0.69	0.73	0.74	0.67	0.70	0.69	0.65	0.58	-10.9%	3.4%	0.4%
Chile	0.19	0.24	0.28	0.32	0.32	0.31	0.31	0.32	0.31	0.31	0.30	-4.4%	6.5%	0.2%
Colombia	0.20	0.16	0.20	0.21	0.22	0.21	0.23	0.17	0.16	0.20	0.27	31.4%	1.8%	0.2%
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	0.03	0.03	0.04	0.04	0.04	0.03	0.04	0.04	0.05	0.03	0.02	-26.8%	-0.9%	♦
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	0.01	0.01	0.01	0.01	0.01	0.01	†	†	†	†	†	-35.1%	-21.9%	♦
Other S. & Cent. America	0.10	0.11	0.11	0.13	0.14	0.15	0.16	0.13	0.15	0.23	0.28	21.6%	9.5%	0.2%
Total S. & Cent. America	1.18	1.26	1.32	1.45	1.52	1.50	1.45	1.42	1.41	1.45	1.48	1.5%	4.1%	1.0%
Austria	0.14	0.15	0.13	0.14	0.13	0.14	0.13	0.13	0.12	0.12	0.09	-21.8%	-0.1%	0.1%
Belgium	0.16	0.15	0.14	0.15	0.14	0.14	0.13	0.13	0.13	0.13	0.11	-17.6%	0.5%	0.1%
Czech Republic	0.79	0.77	0.74	0.71	0.69	0.68	0.69	0.65	0.65	0.60	0.49	-19.0%	-2.3%	0.3%
Finland	0.28	0.23	0.19	0.21	0.19	0.16	0.18	0.17	0.18	0.15	0.13	-10.4%	-4.1%	0.1%
France	0.48	0.41	0.46	0.48	0.36	0.36	0.35	0.38	0.34	0.27	0.19	-27.9%	-5.1%	0.1%
Germany	3.23	3.28	3.37	3.47	3.33	3.29	3.20	3.01	2.90	2.25	1.84	-18.2%	-2.9%	1.2%
Greece	0.33	0.33	0.34	0.29	0.28	0.24	0.18	0.20	0.19	0.22	0.11	-47.3%	-4.7%	0.1%
Hungary	0.11	0.11	0.11	0.10	0.09	0.10	0.09	0.09	0.09	0.08	0.07	-6.7%	-3.3%	♦
Italy	0.57	0.64	0.66	0.57	0.55	0.52	0.46	0.40	0.37	0.28	0.21	-26.1%	-6.0%	0.1%
Netherlands	0.32	0.31	0.34	0.34	0.38	0.46	0.43	0.39	0.35	0.27	0.18	-33.4%	-1.5%	0.1%
Norway	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	-0.3%	3.4%	♦
Poland	2.31	2.30	2.14	2.23	2.07	2.04	2.07	2.08	2.09	1.86	1.67	-10.4%	-1.5%	1.1%
Portugal	0.07	0.09	0.12	0.11	0.11	0.14	0.12	0.14	0.11	0.05	0.02	-53.8%	-7.9%	♦
Romania	0.29	0.34	0.32	0.25	0.24	0.25	0.22	0.23	0.21	0.21	0.15	-27.0%	-4.1%	0.1%
Spain	0.29	0.54	0.65	0.48	0.49	0.57	0.44	0.56	0.46	0.16	0.07	-53.7%	-8.8%	♦
Sweden	0.12	0.10	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.07	-9.3%	-0.2%	♦
Switzerland	0.01	0.01	0.01	0.01	0.01	0.01	†	†	†	†	†	-0.3%	-4.7%	♦
Turkey	1.32	1.42	1.53	1.32	1.51	1.45	1.61	1.65	1.71	1.76	1.66	-5.8%	3.1%	1.1%
Ukraine	1.60	1.74	1.79	1.73	1.49	1.14	1.36	1.08	1.17	1.08	0.98	-8.9%	-3.3%	0.6%
United Kingdom	1.29	1.32	1.63	1.55	1.25	0.97	0.46	0.38	0.32	0.22	0.19	-11.3%	-16.0%	0.1%
Other Europe	1.60	1.71	1.55	1.55	1.42	1.44	1.44	1.43	1.39	1.34	1.10	-18.0%	-1.4%	0.7%
Total Europe	15.34	15.99	16.34	15.81	14.84	14.21	13.70	13.23	12.90	11.13	9.40	-15.8%	-2.7%	6.2%
Azerbaijan	†	†	†	†	†	†	†	†	†	†	†	-0.3%	-16.4%	♦
Belarus	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.05	0.06	0.06	-0.7%	8.0%	♦
Kazakhstan	1.40	1.52	1.58	1.57	1.55	1.43	1.42	1.52	1.70	1.66	1.64	-1.8%	2.5%	1.1%
Russian Federation	3.79	3.94	4.12	3.79	3.67	3.86	3.74	3.51	3.63	3.57	3.27	-8.5%	-0.8%	2.2%
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uzbekistan	0.03	0.04	0.05	0.07	0.07	0.05	0.06	0.06	0.09	0.08	0.10	32.4%	6.6%	0.1%
Other CIS	0.04	0.05	0.05	0.06	0.07	0.08	0.08	0.09	0.09	0.09	0.11	27.9%	7.8%	0.1%
Total CIS	5.29	5.57	5.84	5.52	5.39	5.45	5.33	5.22	5.56	5.45	5.17	-5.2%	0.3%	3.4%
Iran	0.05	0.06	0.05	0.06	0.07	0.07	0.06	0.07	0.07	0.07	0.07	-0.3%	2.7%	♦
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Israel	0.32	0.33	0.37	0.30	0.28	0.27	0.23	0.21	0.20	0.21	0.17	-19.8%	-4.3%	0.1%
Kuwait	†	†	†	†	†	†	†	†	†	†	†	-82.3%	-	♦
Oman	†	†	†	†	†	†	†	†	†	†	†	90.7%	61.6%	♦
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	†	†	†	†	†	0.01	0.01	†	†	†	†	-0.3%	16.4%	♦
United Arab Emirates	0.03	0.02	0.06	0.07	0.08	0.07	0.08	0.09	0.08	0.08	0.11	30.6%	21.9%	0.1%
Other Middle East	0.01	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.4%	6.1%	♦
Total Middle East	0.42	0.43	0.50	0.47	0.47	0.44	0.41	0.40	0.38	0.40	0.38	-3.9%	-0.1%	0.3%
Algeria	0.01	0.01	0.01	0.01	0.01	0.01	†	0.01	0.02	0.02	0.02	-0.3%	-1.6%	♦
Egypt	0.02	0.02	0.02	0.02	0.02	0.03	0.05	0.05	0.09	0.08	0.03	-62.1%	12.3%	♦
Morocco	0.12	0.12	0.13	0.13	0.17	0.19	0.18	0.19	0.22	0.28	0.28	0.1%	9.4%	0.2%
South Africa	3.89	3.79	3.70	3.70	3.75	3.52	3.78	3.72	3.53	3.64	3.48	-4.6%	-0.8%	2.3%
Other Africa	0.15	0.18	0.17	0.22	0.32	0.28	0.26	0.31	0.35	0.30	0.30	-0.4%	7.8%	0.2%
Total Africa	4.19	4.13	4.02	4.07	4.26	4.02	4.28	4.27	4.20	4.32	4.11	-5.1%	0.2%	2.7%
Australia	2.19	2.13	2.00	1.89	1.88	1.95	1.94	1.88	1.83	1.75	1.69	-4.0%	-2.9%	1.1%
Bangladesh	0.03	0.05	0.04	0.05	0.03	0.09	0.07	0.08	0.09	0.14	0.15	11.1%	11.0%	0.1%
China	73.22	79.71	80.71	82.44	82.49	80.94	80.21	80.59	81.11	81.79	82.27	0.3%	1.5%	54.3%
China Hong Kong SAR	0.26	0.31	0.31	0.33	0.34	0.28	0.28	0.26	0.26	0.26	0.14	-46.9%	-1.5%	0.1%
India	12.16	12.75	13.82	14.79	16.23	16.55	16.84	17.44	18.59	18.60	17.54	-6.0%	4.7%	11.6%
Indonesia	1.65	1.96	2.22	2.39	1.89	2.14	2.23	2.39	2.84	3.41	3.26	-4.9%	9.4%	2.2%
Japan	4.87	4.62	4.88	5.07	4.99	5.03	5.02	5.10	4.99	4.91	4.57	-7.0%	1.4%	3.0%
Malaysia	0.62	0.62	0.66	0.63	0.64	0.73	0.78	0.87	0.93	0.95	1.14	18.7%	7.9%	0.8%
New Zealand	0.06	0.06	0.07	0.06	0.06	0.06	0.05	0.05	0.06	0.06	0.06	-4.8%	-0.5%	♦
Pakistan	0.19	0.17	0.17	0.13	0.20	0.19	0.22	0.30	0.50	0.56	0.62	11.0%	10.5%	0.4%
Philippines	0.29	0.32	0.34	0.42	0.45	0.49	0.55	0.65	0.68	0.73	0.73	-0.9%	11.2%	0.5%
Singapore	†	†	†	†	0.01	0.02	0.02	0.02	0.04	0.02	0.02	2.3%	60.6%	♦
South Korea	3.23	3.50	3.38	3.41	3.53	3.58	3.41	3.61	3.63	3.44	3.03	-12.2%	1.8%	2.0%
Sri Lanka	†	0.01	0.02	0.02	0.04	0.05	0.05	0.06	0.05	0.06	0.07	7.0%	38.1%	♦
Taiwan	1.63	1.69	1.65	1.68	1.70	1.65	1.64	1.70	1.70	1.67	1.63	-2.5%	1.0%	1.1%
Thailand	0.65	0.66	0.69	0.68	0.75	0.73	0.75	0.75	0.80	0.71	0.73	1.6%	1.3%	0.5%
Vietnam	0.61	0.73	0.67	0.72	0.87	1.10	1.19	1.19	1.58	2.07	2.10	1.4%	16.0%	1.4%
Other Asia Pacific	0.67	0.56	0.58	0.45	0.51	0.49	0.62	0.62	0.63	1.23	1.23	-0.6%	6.0%	0.8%
Total Asia Pacific	102.34	109.85	112.20	115.19	116.62	116.07	115.90	117.57	120.30	122.37	120.97	-1.4%	2.3%	79.9%
Total World	151.21	158.47	159.08	161.97	162.50	158.64	<b							

Coal: Production by region



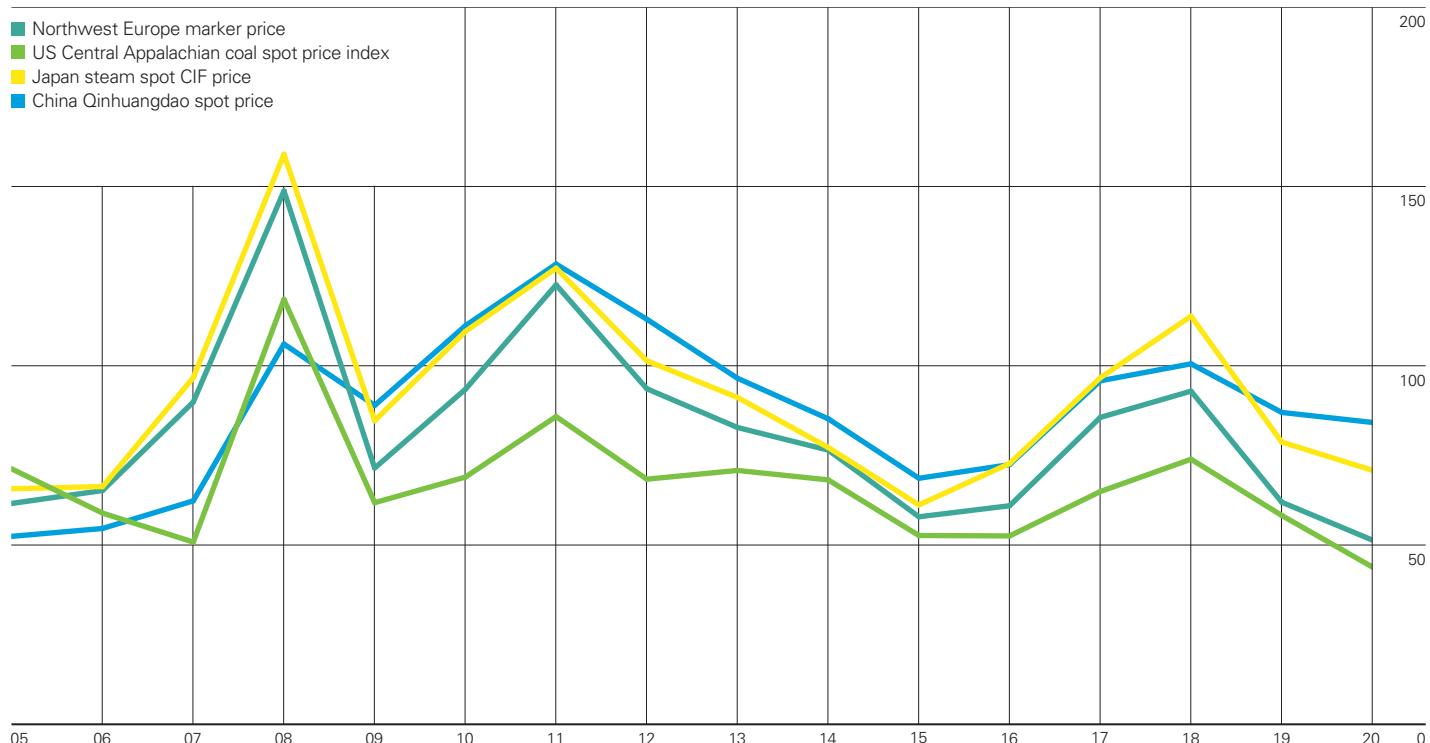
Coal: Consumption by region



World coal consumption fell by 4.2%, its fourth decline in six years. In the non-OECD, the only notable increases in consumption were in China (0.3%) and Malaysia (18.7%), while significant consumption declines were recorded for India (-6.0%) and Indonesia (-4.9%). OECD demand fell sharply, led by the US (-19.1%) and South Korea (-12.2%), to the lowest level in our data series (which goes back to 1965). Global coal production declined by -5.2%, with China providing the only significant increase (1.2%). The largest declines in production also came from the US (-25.2%) and Indonesia (-9.0%).

Coal prices

US dollars per tonne



Coal: 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†
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	72.13	64.90	74.22	42.76
2005	60.54	70.12	64.62	51.34
2006	64.11	57.82	65.22	53.53
2007	88.79	49.73	95.59	61.23
2008	147.67	117.42	157.88	104.97
2009	70.39	60.73	83.59	87.86
2010	92.35	67.87	108.47	110.08
2011	121.48	84.75	126.13	127.27
2012	92.50	67.28	100.30	111.89
2013	81.69	69.72	90.07	95.42
2014	75.38	67.08	76.13	84.12
2015	56.79	51.57	60.10	67.53
2016	59.87	51.45	71.66	71.35
2017	84.51	63.83	95.57	94.72
2018	91.83	72.84	112.73	99.45
2019	60.86	57.16	77.63	85.89
2020	50.28	42.77	69.77	83.10

†Source: IHS Markit Northwest Europe prices for 2000 are the average of the monthly marker, 2001-2020 the average of weekly prices. IHS Markit Japan prices basis = 6,000 kilocalories per kilogram NAR CIF. Chinese prices are the average monthly price for 2000-2005, weekly prices 2006-2020, 5,500 kilocalories per kilogram NAR, including cost and freight (CFR).

‡Source: S&P Global Platts ©2020, S&P Global Inc. Prices are for Central Appalachian 12,500 Btu, 1.2 SO₂ coal, FOB. Prices for 1999-2000 are by coal price publication date, 2001-2005 by coal price assessment date. 2006-2020 weekly CAPP 12,500 Btu, 1.6 SO₂ coal, FOB.

Note: CIF = cost+insurance+freight (average prices); FOB = free on board.

Coal: Trade movements

Exajoules	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2020	
											2020	2020	2009-19	
Imports														
Canada	0.36	0.24	0.23	0.22	0.26	0.22	0.19	0.22	0.23	0.21	0.18	-14.7%	-5.3%	0.6%
Mexico	0.22	0.21	0.22	0.20	0.22	0.23	0.21	0.34	0.34	0.24	0.03	-87.1%	3.1%	0.1%
US	0.51	0.36	0.27	0.24	0.28	0.28	0.25	0.19	0.15	0.17	0.14	-15.3%	-11.5%	0.4%
S. & Cent. America	0.85	0.99	0.88	1.06	1.06	1.00	1.06	1.21	1.19	1.12	1.04	-7.4%	5.3%	3.3%
Europe	4.82	5.63	6.09	5.85	6.09	6.03	5.40	5.86	6.44	5.12	3.90	-24.0%	0.2%	12.3%
CIS	0.37	0.59	0.53	0.56	0.56	0.53	0.48	0.56	0.61	0.65	0.58	-11.0%	2.3%	1.8%
Middle East	0.35	0.43	0.49	0.44	0.49	0.38	0.34	0.36	0.37	0.34	0.31	-9.3%	-1.7%	1.0%
Africa	0.32	0.34	0.31	0.81	0.37	0.44	0.50	0.59	0.80	0.64	0.49	-23.0%	9.2%	1.6%
China	4.45	5.20	6.71	7.63	6.62	4.69	5.65	5.87	6.13	6.40	6.61	3.1%	6.9%	20.8%
India	2.00	2.37	3.09	3.66	4.65	4.92	6.46	5.25	5.68	4.70	4.22	-10.4%	10.1%	13.3%
Japan	4.84	4.61	4.87	5.06	5.00	5.05	5.01	5.06	5.01	4.90	4.56	-7.2%	1.5%	14.3%
South Korea	3.11	3.38	3.30	3.32	3.43	3.54	3.53	3.89	3.92	3.73	3.26	-12.8%	3.3%	10.3%
Other Asia Pacific	3.18	3.29	3.65	3.61	2.73	3.96	4.60	5.05	5.55	5.57	6.45	15.6%	7.1%	20.3%
Total World	25.39	27.64	30.61	32.65	31.76	31.27	33.69	34.45	36.42	33.78	31.78	-6.2%	4.0%	100.0%
Exports														
Canada	0.92	1.03	0.99	1.13	1.00	0.86	0.78	0.94	1.04	1.02	0.97	-5.9%	3.5%	3.0%
US	2.02	2.50	3.02	2.88	2.38	1.89	1.52	2.38	2.88	2.19	1.62	-26.4%	4.2%	5.1%
Colombia	1.78	2.02	2.25	2.05	2.27	2.19	2.33	2.48	2.43	2.08	1.66	-20.5%	2.5%	5.2%
Europe	0.12	0.16	0.20	0.68	0.13	0.10	0.13	0.19	0.25	0.24	0.22	-10.0%	0.3%	0.7%
Russia	2.50	2.86	3.23	3.55	3.78	4.11	4.47	5.09	5.78	5.79	5.66	-2.4%	9.0%	17.8%
Other CIS	0.35	0.58	0.50	0.51	0.51	0.48	0.45	0.47	0.51	0.52	0.52	-0.1%	0.4%	1.6%
South Africa	1.98	2.04	2.22	2.10	2.18	2.30	2.16	2.71	3.03	1.62	1.64	0.9%	-1.7%	5.2%
Other Africa	0.11	0.04	0.13	0.11	0.18	0.26	2.02	0.62	0.22	0.27	0.15	-43.3%	25.4%	0.5%
Australia	7.46	7.04	7.96	9.19	9.12	9.95	9.87	9.70	9.77	9.63	9.25	-4.3%	3.3%	29.1%
China	0.59	0.44	0.28	0.28	0.36	0.45	0.51	0.42	0.42	0.34	0.18	-47.7%	-5.3%	0.6%
Indonesia	6.20	7.18	8.16	8.57	8.42	7.48	7.73	8.08	8.56	8.49	8.51	♦	5.3%	26.8%
Mongolia	0.48	0.58	0.63	0.49	0.53	0.41	0.73	0.95	0.99	1.04	0.79	-24.3%	19.8%	2.5%
Other Asia Pacific	0.76	1.01	0.90	0.92	0.77	0.65	0.77	0.30	0.39	0.30	0.25	-17.0%	-9.6%	0.8%
Rest of World	0.13	0.16	0.15	0.19	0.14	0.14	0.22	0.12	0.15	0.25	0.37	49.6%	5.0%	1.2%
Total World	25.39	27.64	30.61	32.65	31.76	31.27	33.69	34.45	36.42	33.78	31.78	-6.2%	4.0%	100.0%

*Less than 0.05%.

Note: Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal, and other commercial solid fuels. Intra-area movements (for example between countries in Europe) are excluded.

Coal: Inter-area movements 2020

Exajoules	To												Total	
	Canada	Mexico	US	S. & Cent. America	Europe	CIS	Middle East	Africa	China	India	Japan	South Korea	Other Asia Pacific	
From														
Canada	—	—	0.01	0.04	0.10	†	—	†	0.14	0.06	0.23	0.31	0.07	0.97
US	0.13	0.02	—	0.26	0.60	†	†	0.07	0.03	0.14	0.25	0.10	0.02	1.62
Colombia	0.03	0.01	0.09	0.46	0.67	†	0.11	0.01	0.05	0.07	0.02	0.13	0.02	1.66
Europe	†	†	†	0.01	—	0.07	†	0.02	0.01	0.08	†	†	0.01	0.22
Russia	0.01	†	0.01	0.09	1.96	0.10	0.09	0.23	1.00	0.16	0.58	0.71	0.73	5.66
Other CIS	—	—	—	—	0.10	0.41	†	†	0.01	—	†	—	†	0.52
South Africa	—	—	0.01	0.01	0.08	—	0.07	0.12	†	0.62	†	0.04	0.69	1.64
Other Africa	—	—	†	0.01	0.02	—	†	0.02	†	0.07	†	0.02	†	0.15
Australia	—	—	—	0.15	0.33	†	0.01	0.02	2.10	0.87	2.73	1.24	1.79	9.25
China	†	†	†	0.01	†	†	†	†	—	0.01	0.03	0.04	0.08	0.18
Indonesia	—	—	0.01	—	0.01	—	0.01	†	2.34	2.04	0.69	0.64	0.64	8.51
Mongolia	—	—	—	—	†	—	—	—	0.79	—	—	†	—	0.79
Other Asia Pacific	†	†	†	†	0.01	†	0.01	†	0.15	0.12	0.02	0.01	0.26	0.58
Rest of World	†	†	†	†	0.02	†	—	†	0.02	†	†	†	†	0.04
Total imports	0.18	0.03	0.14	1.04	3.90	0.58	0.31	0.49	6.61	4.22	4.56	3.26	6.45	31.78

†Less than 0.005%.

Note: Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal, and other commercial solid fuels. Intra-area movements (for example, between countries in Europe) are excluded.