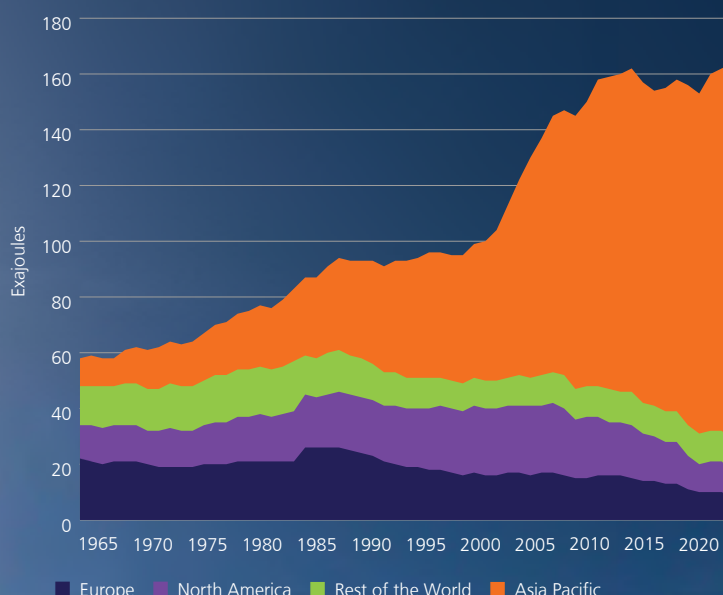


Coal

In 2023, global coal production reached its highest ever level (179 EJ), beating the previous high set the year before. The Asia Pacific region accounted for nearly 80% of global output with activity concentrated in just four countries: Australia, China, India, and Indonesia (jointly responsible for 97% of the region's output). China alone was responsible for just over half of total global production. North America, Southern & Central America, Europe and the Commonwealth of Independent States (CIS) all saw their production fall relative to 2022 levels.

Global coal consumption breached 164 EJ for the first time ever. An increase of 1.6% over 2022 was seven times higher than the previous ten-year average growth rate. Whilst China is by far the largest consumer of coal (56% of the world's total), in 2023 India exceeded the combined consumption of Europe and North America for the first time ever. Coal consumption in both Europe and North America each fell below 10 EJ.

Global coal consumption



Coal consumption in India exceeded the combined consumption of Europe and North America for the first time ever

Million tonnes												Growth rate per annum		Share
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023	2013-23	2023
Canada	68.4	68.3	62.4	62.4	60.6	55.0	53.2	46.1	47.6	46.7	48.6	4.0%	-3.3%	0.5%
Mexico	14.6	14.9	12.3	11.4	12.9	11.9	9.8	7.7	5.5	5.5	5.6	0.1%	-9.2%	0.1%
US	893.4	907.2	813.7	660.8	702.7	686.0	640.8	485.7	523.8	539.0	526.5	-2.3%	-5.1%	5.8%
Total North America	976.5	990.4	888.3	734.5	776.2	752.9	703.7	539.6	577.0	591.3	580.6	-1.8%	-5.0%	6.4%
Brazil	9.5	9.4	8.0	7.5	5.8	6.4	5.8	7.1	8.0	7.6	6.8	-10.1%	-3.2%	0.1%
Colombia	86.1	89.4	86.5	91.2	91.5	86.9	85.9	54.4	59.1	58.0	54.5	-5.9%	-4.4%	0.6%
Venezuela	1.2	0.8	0.8	0.7	0.7	0.7	0.4	0.3	0.2	0.8	0.8	—	-4.1%	†
Other S. & Cent. America	3.2	4.5	3.4	2.8	1.8	1.6	1.1	0.4	0.2	0.3	0.3	11.8%	-21.5%	†
Total S. & Cent. America	99.9	104.0	98.8	102.3	99.9	95.6	93.3	62.2	67.6	66.6	62.5	-6.2%	-4.6%	0.7%
Bulgaria	28.6	31.3	35.9	31.3	34.3	30.6	28.3	22.6	28.4	35.6	21.0	-40.9%	-3.0%	0.2%
Czech Republic	49.1	47.1	46.5	45.5	44.9	43.8	41.0	31.6	31.5	35.1	30.0	-14.7%	-4.8%	0.3%
Germany	190.6	185.8	184.3	175.4	175.1	168.8	131.3	107.4	126.3	130.8	102.3	-21.8%	-6.0%	1.1%
Greece	53.9	50.8	46.2	32.6	37.7	36.5	27.4	14.1	12.4	14.3	10.9	-23.6%	-14.8%	0.1%
Hungary	9.6	9.6	9.3	9.2	8.0	7.9	6.8	6.1	5.0	4.9	4.1	-17.4%	-8.2%	†
Poland	142.9	137.1	135.8	131.0	127.1	122.4	112.4	100.7	107.6	107.8	88.7	-17.7%	-4.6%	1.0%
Romania	24.7	23.6	25.5	23.0	25.8	23.7	21.7	15.0	17.7	18.2	14.8	-18.8%	-5.0%	0.2%
Serbia	40.3	29.8	37.8	38.5	39.8	37.6	38.9	39.7	36.4	35.1	31.9	-9.1%	-2.3%	0.4%
Spain	4.4	3.9	3.1	1.7	3.0	2.4	0.1	0.1	0.1	0.1	0.1	—	-33.7%	†
Türkiye	60.4	65.2	58.4	73.0	74.1	83.9	87.1	74.7	86.5	95.3	66.4	-30.4%	1.0%	0.7%
Ukraine	64.9	45.7	30.4	32.2	24.7	26.8	26.1	24.4	26.2	24.1	23.3	-3.3%	-9.7%	0.3%
United Kingdom	12.8	11.6	8.6	4.2	3.0	2.8	2.6	1.7	1.1	0.7	0.5	-22.3%	-27.6%	†
Other Europe	70.7	67.2	64.5	61.7	65.1	66.3	56.8	50.2	47.6	50.7	46.2	-8.9%	-4.2%	0.5%
Total Europe	752.8	708.8	686.3	659.4	662.6	653.5	580.5	488.3	526.7	552.6	440.1	-20.4%	-5.2%	4.8%
Kazakhstan	119.6	114.0	107.3	103.1	112.3	118.5	115.0	113.4	116.2	117.8	116.4	-1.2%	-0.2%	1.3%
Russian Federation	355.2	357.5	372.5	386.6	411.0	441.3	440.7	399.8	434.1	439.0	432.5	-1.5%	2.0%	4.8%
Uzbekistan	4.1	4.4	3.5	3.9	4.0	4.2	4.0	4.1	5.1	5.4	6.2	15.5%	4.3%	0.1%
Other CIS	4.2	4.1	4.0	4.6	5.7	7.7	7.9	6.2	6.6	8.6	8.4	-2.4%	7.2%	0.1%
Total CIS	483.1	480.0	487.3	498.1	533.0	571.6	567.6	523.5	561.9	570.8	563.4	-1.3%	1.6%	6.2%
Total Middle East	1.5	1.5	1.6	1.8	1.8	2.2	2.0	2.1	2.4	4.9	10.3	110.1%	21.1%	0.1%
South Africa	256.3	261.4	252.2	249.7	252.3	250.0	254.4	248.1	233.7	229.9	228.5	-0.6%	-1.1%	2.5%
Zimbabwe	3.1	5.8	4.3	2.7	2.9	3.3	2.6	2.7	3.2	3.9	5.0	26.6%	4.9%	0.1%
Other Africa	8.3	9.4	9.7	9.2	16.7	20.3	15.1	13.2	17.3	23.3	23.6	1.1%	11.1%	0.3%
Total Africa	267.7	276.6	266.2	261.7	271.9	273.7	272.2	264.0	254.3	257.2	257.1	†	-0.4%	2.8%
Australia	472.8	505.3	503.7	502.1	487.2	502.2	505.6	470.0	460.3	440.1	455.8	3.6%	-0.3%	5.0%
China	3974.3	3873.9	3746.5	3410.6	3523.6	3697.7	3846.3	3901.6	4125.8	4558.6	4710.0	3.3%	1.7%	51.8%
India	608.5	646.2	674.2	689.8	711.7	760.4	753.9	760.2	812.1	910.8	1010.9	11.0%	5.2%	11.1%
Indonesia	474.4	458.1	461.6	456.2	461.2	557.8	616.2	563.7	614.0	687.4	775.2	12.8%	5.1%	8.5%
Japan	1.2	1.3	1.2	1.3	1.4	1.0	0.8	0.8	0.7	0.7	0.6	-8.8%	-6.2%	†
Mongolia	33.3	24.4	24.1	35.1	49.5	54.6	57.1	43.1	32.3	39.3	83.2	111.6%	9.6%	0.9%
New Zealand	4.6	4.0	3.4	2.9	2.9	3.2	3.0	2.8	2.9	2.6	2.6	-1.4%	-5.6%	†
Pakistan	3.0	3.4	3.3	4.1	4.2	4.4	7.1	9.5	10.2	10.0	17.1	71.0%	19.1%	0.2%
South Korea	1.8	1.7	1.8	1.7	1.5	1.2	1.1	1.0	0.9	0.8	0.6	-21.1%	-9.8%	†
Thailand	18.1	18.0	15.2	17.0	16.3	14.9	14.1	13.3	14.2	13.6	12.8	-6.1%	-3.4%	0.1%
Vietnam	41.1	41.1	41.7	38.7	38.4	42.4	46.4	44.6	48.3	49.9	48.2	-3.4%	1.6%	0.5%
Other Asia Pacific	43.7	44.2	47.7	64.2	61.6	58.8	64.9	60.9	57.5	64.0	64.6	0.9%	4.0%	0.7%
Total Asia Pacific	5676.8	5621.7	5524.3	5223.8	5359.5	5698.5	5916.5	5871.5	6179.2	6777.9	7181.6	6.0%	2.4%	79.0%
Total World	8258.3	8183.0	7952.8	7481.6	7704.9	8048.1	8135.7	7751.2	8169.1	8821.3	9095.7	3.1%	1.0%	100.0%
of which: OECD	2111.9	2147.8	2016.5	1842.1	1872.1	1855.2	1738.4	1427.0	1491.7	1504.2	1418.0	-5.7%	-3.9%	15.6%
Non-OECD	6146.5	6035.3	5936.3	5639.5	5832.8	6192.9	6397.3	6324.2	6677.4	7317.1	7677.6	4.9%	2.3%	84.4%
European Union	543.9	527.3	521.3	481.6	492.2	473.4	397.3	318.8	348.9	368.2	291.7	-20.8%	-6.0%	3.2%

* 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 0.05%.

Note: Annual changes and shares of total are calculated using million tonnes figures.

Exajoules												Growth rate per annum		Share
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023	2013-23	2023
Canada	1.53	1.51	1.36	1.37	1.33	1.22	1.20	1.15	1.21	1.19	1.24	4.1%	-2.0%	0.7%
Mexico	0.30	0.30	0.29	0.25	0.31	0.28	0.23	0.19	0.14	0.14	0.14	0.1%	-7.5%	0.1%
US	20.05	20.33	17.99	14.70	15.66	15.40	14.29	10.73	11.62	12.07	11.84	-1.9%	-5.1%	6.6%
Total North America	21.87	22.15	19.64	16.33	17.30	16.90	15.72	12.07	12.97	13.40	13.21	-1.4%	-4.9%	7.4%
Brazil	0.15	0.15	0.12	0.11	0.09	0.10	0.09	0.10	0.12	0.11	0.10	-11.1%	-4.4%	0.1%
Colombia	2.48	2.57	2.49	2.62	2.63	2.50	2.47	1.57	1.70	1.67	1.57	-5.9%	-4.4%	0.9%
Venezuela	0.04	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	-	-6.8%	†
Other S. & Cent. America	0.07	0.12	0.10	0.08	0.05	0.05	0.03	0.01	0.01	0.01	0.01	12.3%	-20.0%	†
Total S. & Cent. America	2.74	2.87	2.73	2.84	2.80	2.67	2.61	1.69	1.83	1.80	1.69	-6.1%	-4.7%	0.9%
Bulgaria	0.20	0.21	0.25	0.21	0.24	0.21	0.20	0.16	0.20	0.25	0.15	-40.9%	-3.1%	0.1%
Czech Republic	0.74	0.71	0.71	0.67	0.64	0.62	0.56	0.43	0.44	0.48	0.40	-15.2%	-5.9%	0.2%
Germany	1.89	1.85	1.79	1.66	1.65	1.58	1.19	0.98	1.15	1.19	0.92	-23.2%	-7.0%	0.5%
Greece	0.28	0.27	0.24	0.17	0.19	0.18	0.13	0.07	0.06	0.07	0.05	-23.6%	-15.4%	†
Hungary	0.07	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.03	-17.4%	-8.7%	†
Poland	2.39	2.26	2.22	2.18	2.08	1.98	1.87	1.68	1.76	1.71	1.48	-13.2%	-4.6%	0.8%
Romania	0.19	0.19	0.20	0.18	0.19	0.17	0.16	0.11	0.13	0.12	0.09	-18.8%	-7.0%	0.1%
Serbia	0.32	0.24	0.30	0.30	0.30	0.28	0.29	0.30	0.26	0.25	0.23	-9.1%	-3.4%	0.1%
Spain	0.07	0.07	0.05	0.03	0.05	0.04	^	^	^	^	^	-	-32.7%	†
Türkiye	0.65	0.68	0.54	0.65	0.63	0.69	0.73	0.66	0.75	0.83	0.58	-29.7%	-1.0%	0.3%
Ukraine	1.60	1.09	0.72	0.76	0.57	0.61	0.60	0.53	0.57	0.53	0.51	-3.3%	-10.8%	0.3%
United Kingdom	0.32	0.29	0.21	0.11	0.08	0.08	0.07	0.05	0.03	0.02	0.01	-22.3%	-26.8%	†
Other Europe	0.72	0.64	0.59	0.59	0.60	0.60	0.52	0.46	0.44	0.45	0.42	-8.3%	-5.2%	0.2%
Total Europe	9.45	8.57	7.88	7.58	7.28	7.08	6.36	5.47	5.82	5.92	4.88	-17.7%	-6.4%	2.7%
Kazakhstan	2.15	2.09	1.66	1.75	1.92	1.98	1.88	1.86	1.92	1.95	1.92	-1.2%	-1.1%	1.1%
Russian Federation	7.25	7.39	7.80	8.12	8.62	9.23	9.23	8.42	9.25	9.35	9.21	-1.5%	2.5%	5.1%
Uzbekistan	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.07	15.5%	4.3%	†
Other CIS	0.06	0.06	0.07	0.07	0.09	0.12	0.12	0.11	0.11	0.14	0.13	-3.6%	8.8%	0.1%
Total CIS	9.51	9.60	9.57	10.00	10.68	11.37	11.28	10.43	11.34	11.50	11.34	-1.4%	1.8%	6.3%
Total Middle East	0.03	0.03	0.03	0.04	0.04	0.05	0.04	0.04	0.04	0.06	0.09	37.4%	11.2%	†
South Africa	6.08	6.20	5.96	6.01	5.97	6.01	6.02	5.88	5.53	5.44	5.41	-0.6%	-1.1%	3.0%
Zimbabwe	0.08	0.16	0.12	0.07	0.08	0.09	0.07	0.07	0.09	0.11	0.13	26.6%	4.9%	0.1%
Other Africa	0.21	0.24	0.25	0.24	0.43	0.53	0.39	0.34	0.45	0.60	0.61	1.6%	11.0%	0.3%
Total Africa	6.38	6.59	6.33	6.32	6.49	6.63	6.48	6.29	6.06	6.15	6.15	0.1%	-0.3%	3.4%
Australia	11.97	12.81	12.80	12.83	12.50	13.10	13.18	12.09	11.75	11.24	11.66	3.8%	-0.2%	6.5%
China	79.32	78.05	76.59	70.82	73.17	76.87	79.76	80.51	83.44	91.32	93.10	2.0%	1.6%	51.9%
India	10.71	11.28	11.77	11.89	11.99	12.80	12.60	12.59	13.38	15.05	16.75	11.3%	4.6%	9.3%
Indonesia	10.44	10.15	10.19	9.87	9.69	11.44	12.84	11.78	12.68	13.95	15.73	12.8%	4.2%	8.8%
Japan	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	-5.0%	-5.8%	†
Mongolia	0.64	0.47	0.46	0.67	0.94	1.04	1.09	0.82	0.62	0.75	1.59	111.6%	9.6%	0.9%
New Zealand	0.12	0.10	0.09	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07	-0.3%	-5.9%	†
Pakistan	0.06	0.06	0.06	0.08	0.08	0.08	0.13	0.18	0.19	0.19	0.32	71.0%	19.1%	0.2%
South Korea	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.01	-21.1%	-9.4%	†
Thailand	0.20	0.19	0.16	0.18	0.17	0.16	0.15	0.14	0.15	0.14	0.13	-6.1%	-3.8%	0.1%
Vietnam	0.96	0.96	0.98	0.91	0.90	0.99	1.09	1.05	1.13	1.17	1.13	-3.4%	1.6%	0.6%
Other Asia Pacific	1.08	1.09	1.13	1.40	1.33	1.22	1.38	1.30	1.21	1.35	1.37	1.1%	2.5%	0.8%
Total Asia Pacific	115.55	115.25	114.27	108.78	110.91	117.83	122.33	120.55	124.66	135.26	141.88	4.9%	2.1%	79.2%
Total World	165.52	165.06	160.45	151.88	155.49	162.52	164.82	156.54	162.73	174.09	179.24	3.0%	0.8%	100.0%
of which: OECD	43.40	44.41	41.32	37.85	38.33	38.21	36.37	29.95	30.95	30.93	30.21	-2.3%	-3.5%	16.9%
Non-OECD	122.12	120.65	119.13	114.03	117.16	124.31	128.45	126.59	131.78	143.16	149.04	4.1%	2.0%	83.1%
European Union	6.22	5.97	5.82	5.47	5.42	5.16	4.42	3.67	3.96	4.04	3.31	-18.2%	-6.1%	1.8%

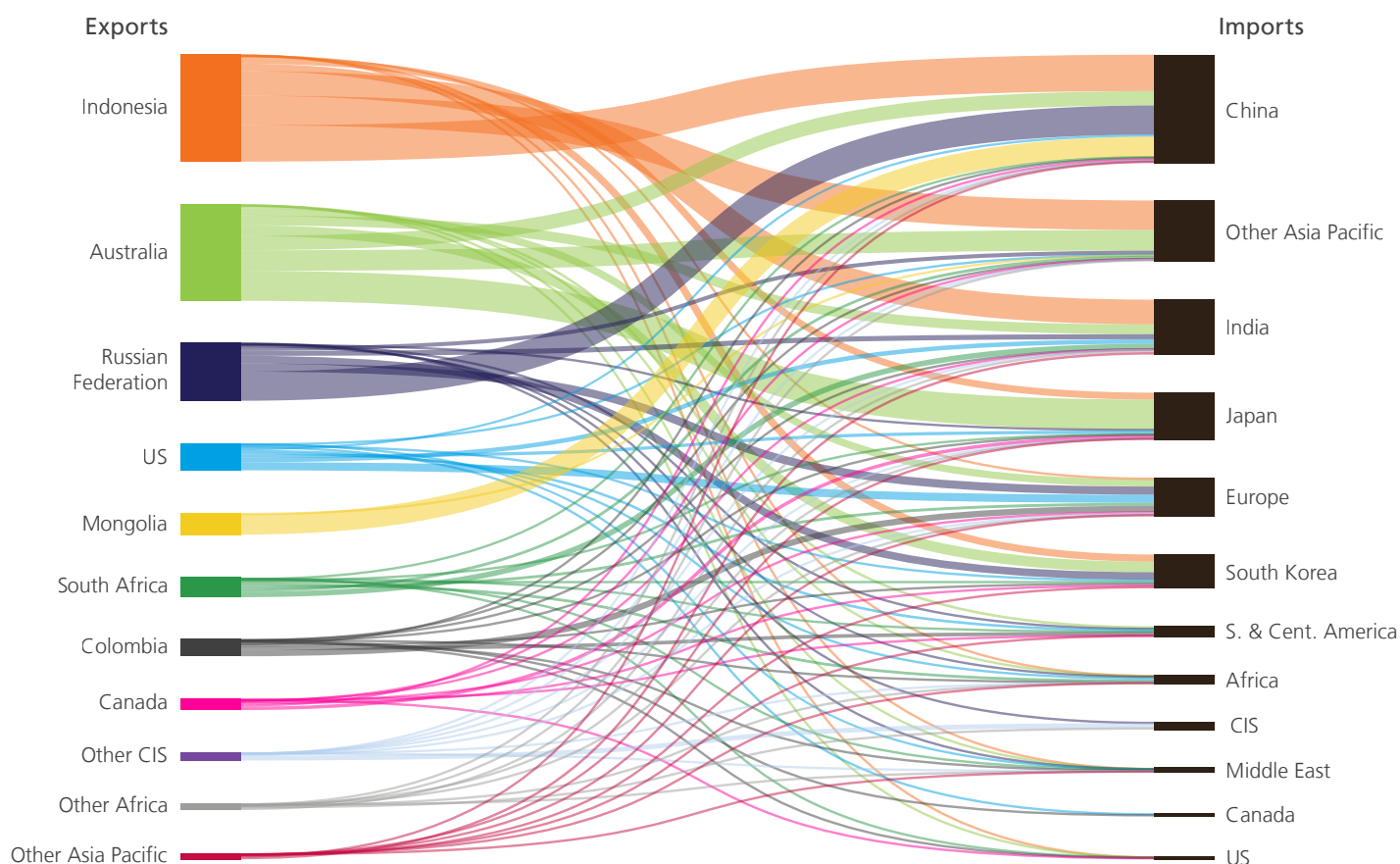
* Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal, and other commercial solid fuels. Includes coal produced for

Coal-to-Liquids and Coal-to-Gas transformations.

^ Less than 0.005.

† Less than 0.05%.

Note: Annual changes and shares of total are calculated using exajoules figures.



Notes: 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.

Overall, international coal trade increased by almost 10% in 2023 reaching its highest level since 2018. Indonesia, Australia, and the Russian Federation were jointly responsible for around 70% of total global exports with Indonesia alone accounting for around 40% of that (over a quarter of total global exports). China was by far the largest importer of coal

at around 10 EJ, almost double that of India, the second-highest ranked country. Russian Federation exports increased by 1.5% with China accounting for just over half of its overseas markets. Overall, the Asia Pacific region accounted for 82% of global coal imports. Europe's imports fell to their lowest level since 2000.

Coal Inter-area movements 2023

From	To														
Exajoules	Canada	Mexico	US	S. & Cent. America	Europe	CIS	Middle East	Africa	China	India	Japan	South Korea	Other Asia Pacific	Total	
Canada	–	†	0.02	0.02	0.09	–	†	†	0.22	0.05	0.32	0.20	0.06	0.99	
US	0.15	0.01	–	0.25	0.76	†	0.01	0.19	0.18	0.42	0.30	0.13	0.07	2.47	
Colombia	0.04	0.06	0.07	0.34	0.59	–	0.11	0.02	0.12	0.01	0.04	0.15	0.03	1.59	
Europe	†	†	0.01	0.01	–	†	0.01	0.08	0.01	0.10	†	†	0.01	0.23	
Russian Federation	–	–	–	0.04	0.77	0.04	0.01	0.13	2.75	0.48	0.09	0.71	0.38	5.39	
Other CIS	–	–	†	–	0.16	0.46	0.01	0.01	0.01	†	†	†	0.01	0.65	
South Africa	†	–	†	0.02	0.27	–	0.07	0.26	0.05	0.52	0.09	0.18	0.28	1.74	
Other Africa	–	–	†	–	0.04	–	0.03	0.10	0.02	0.21	†	0.05	0.08	0.53	
Australia	†	†	†	0.25	0.68	–	0.01	0.02	1.36	0.92	2.83	0.99	1.94	9.00	
China	†	0.01	†	0.02	0.03	†	0.01	0.01	–	0.02	0.03	0.01	0.16	0.31	
Indonesia	†	–	†	†	0.10	–	†	†	3.43	2.33	0.65	0.68	2.79	10.00	
Mongolia	–	–	–	–	†	†	–	–	1.92	–	–	†	0.04	1.96	
Other Asia Pacific	†	†	†	0.01	0.03	†	†	†	0.08	0.23	0.02	0.08	–	0.46	
Rest of World	†	†	†	0.01	0.02	†	†	†	0.01	0.05	†	0.01	0.01	0.13	
Total imports	0.19	0.08	0.11	0.96	3.56	0.50	0.27	0.82	10.16	5.35	4.39	3.19	5.86	35.43	

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.

† Less than 0.05%.

Exajoules	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Growth rate per annum		Share
												2023	2013-23	2023
Imports														
Canada	0.22	0.26	0.22	0.19	0.22	0.23	0.21	0.17	0.19	0.18	0.19	6.7%	-1.3%	0.5%
Mexico	0.20	0.22	0.23	0.21	0.32	0.32	0.25	0.13	0.05	0.05	0.08	72.5%	-8.4%	0.2%
US	0.24	0.28	0.28	0.25	0.19	0.15	0.17	0.65	0.14	0.16	0.11	-34.8%	-7.6%	0.3%
S. & Cent. America	1.08	1.08	1.03	1.08	1.20	1.18	1.12	1.04	1.25	1.05	0.96	-8.3%	-1.1%	2.7%
Europe	5.84	6.08	6.02	5.38	5.83	6.34	5.08	3.93	4.44	4.94	3.56	-27.9%	-4.8%	10.0%
CIS	0.58	0.59	0.58	0.52	0.60	0.65	0.70	0.66	0.64	0.49	0.50	1.3%	-1.6%	1.4%
Middle East	0.44	0.49	0.39	0.34	0.36	0.37	0.34	0.38	0.34	0.24	0.27	9.4%	-4.9%	0.8%
Africa	0.82	0.37	0.46	0.50	0.63	0.82	0.92	0.52	0.68	0.73	0.82	11.7%	†	2.3%
China	7.62	6.62	4.69	5.65	5.87	6.00	6.40	6.61	6.68	5.83	10.16	74.3%	2.9%	28.7%
India	3.66	4.65	4.92	10.11	5.25	5.68	4.70	4.74	4.67	4.99	5.35	7.3%	3.9%	15.1%
Japan	5.06	5.00	5.05	5.01	5.06	5.00	4.90	4.56	4.84	4.82	4.39	-9.0%	-1.4%	12.4%
South Korea	3.32	3.43	3.54	3.53	3.89	3.90	3.73	3.28	3.35	3.36	3.19	-4.9%	-0.4%	9.0%
Other Asia Pacific	3.49	3.58	3.79	4.47	4.90	5.34	5.22	6.36	6.22	5.53	5.86	6.0%	5.3%	16.5%
Total World	32.57	32.66	31.19	37.25	34.32	35.99	33.72	33.03	33.51	32.37	35.43	9.5%	0.8%	100.0%
Exports														
Canada	1.12	1.03	0.85	0.78	0.95	1.03	1.02	0.95	0.96	0.97	0.99	1.5%	-1.3%	2.8%
US	2.88	2.37	1.90	1.53	2.41	2.89	2.21	1.74	2.18	2.23	2.47	10.6%	-1.5%	7.0%
Colombia	2.05	2.27	2.19	2.33	2.48	2.42	2.09	1.82	1.67	1.59	1.59	†	-2.5%	4.5%
Europe	0.68	0.13	0.10	0.13	0.19	0.25	0.24	0.21	0.22	0.15	0.23	49.4%	-10.4%	0.6%
Russian Federation	3.54	3.91	4.10	4.45	5.09	5.76	5.79	5.66	6.03	5.31	5.39	1.4%	4.3%	15.2%
Other CIS	0.53	0.54	0.53	0.48	0.50	0.49	0.55	0.63	0.65	0.72	0.65	-8.9%	2.1%	1.8%
South Africa	2.11	2.19	2.27	2.14	2.68	2.95	1.41	1.73	1.62	1.72	1.74	1.0%	-1.9%	4.9%
Other Africa	0.11	0.18	0.28	5.68	0.66	0.24	0.28	0.74	0.37	0.47	0.53	12.5%	16.5%	1.5%
Australia	9.16	9.89	9.91	9.84	9.63	9.71	9.60	9.33	9.60	8.21	9.00	9.6%	-0.2%	25.4%
China	0.28	0.37	0.45	0.50	0.40	0.41	0.31	0.18	0.28	0.31	0.31	-0.2%	1.1%	0.9%
Indonesia	8.51	8.35	7.41	7.69	8.01	8.49	8.49	8.79	8.98	9.19	10.00	8.8%	1.6%	28.2%
Mongolia	0.49	0.53	0.41	0.73	0.95	0.99	1.04	0.83	0.49	0.90	1.96	116.8%	14.8%	5.5%
Other Asia Pacific	0.96	0.80	0.67	0.79	0.32	0.29	0.60	0.34	0.36	0.44	0.46	5.5%	-7.1%	1.3%
Rest of World	0.15	0.09	0.13	0.17	0.06	0.08	0.09	0.08	0.08	0.14	0.13	-13.0%	-1.6%	0.4%
Total World	32.57	32.66	31.19	37.25	34.32	35.99	33.72	33.03	33.51	32.37	35.43	9.5%	0.8%	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.

Mined energy resource prices

	Coal \$/te								Uranium \$/lb
	United States ¹	Colombia ²	Northwest Europe ³	South Africa ⁴	Indonesia ⁵	South China ⁶	Japan ⁷	Australia ⁸	Canada ⁹
1987	—	—	31.30	—	—	—	—	—	—
1988	—	—	39.94	—	—	—	—	—	—
1989	—	—	42.08	—	—	—	—	—	—
1990	31.59	—	43.48	—	—	—	—	—	—
1991	29.01	—	42.80	—	—	—	—	—	—
1992	28.53	—	38.53	—	—	—	—	—	—
1993	29.85	—	33.68	—	—	—	—	—	—
1994	31.72	—	37.18	—	—	—	—	—	—
1995	27.01	—	44.50	—	—	—	—	—	—
1996	29.86	—	41.25	—	—	—	—	—	—
1997	29.76	—	38.92	—	—	—	—	—	—
1998	31.00	—	32.00	—	—	—	—	—	—
1999	31.29	—	28.79	—	—	—	—	—	—
2000	29.90	—	35.99	—	—	27.52	—	—	—
2001	50.15	—	39.03	—	—	31.78	37.69	—	—
2002	33.20	—	31.65	—	—	33.19	31.47	—	—
2003	38.52	—	43.60	—	—	31.74	39.61	—	—
2004	64.90	—	72.13	—	—	42.76	74.22	—	—
2005	70.12	—	60.54	—	—	51.34	64.62	—	—
2006	57.82	—	64.11	—	—	53.53	65.22	—	—
2007	49.73	—	88.79	—	—	61.23	95.59	—	—
2008	117.42	—	147.67	—	—	104.97	157.88	—	—
2009	60.73	—	70.39	—	—	87.86	83.59	—	—
2010	67.87	59.21	92.50	—	—	110.08	108.47	—	—
2011	84.75	79.73	121.48	—	—	127.27	126.13	—	—
2012	67.28	65.02	92.50	—	—	111.89	100.30	—	—
2013	69.72	54.18	81.69	—	—	95.42	90.07	—	—
2014	67.08	50.25	75.38	62.80	—	84.12	76.13	—	—
2015	51.57	47.31	56.79	47.48	—	67.53	60.10	—	—
2016	51.45	52.62	60.09	53.04	—	71.35	71.66	—	—
2017	63.83	68.75	84.51	71.59	—	94.72	96.02	—	—
2018	72.84	72.76	91.83	78.03	—	99.45	112.73	71.13	—
2019	57.16	51.26	60.17	55.67	50.53	35.20	73.57	54.24	—
2020	42.77	45.16	50.13	48.30	45.22	30.64	61.03	44.75	30.46
2021	68.54	100.39	122.60	96.49	95.22	124.70	114.59	83.26	35.16
2022	157.57	248.37	291.28	212.99	127.65	177.78	214.57	174.49	49.78
2023	73.59	99.87	129.54	99.66	84.61	120.65	130.25	103.59	60.37

¹**Source:** S&P Global Commodity Insights, ©2024 by S&P Global Inc. Prices are for CAPP 12,500 Btu, 1.2 SO₂ coal, fob. Prices for 1996-2000 are by coal price publication date, 2001-2005 by coal price assessment date. From 2006, average daily OTC.

²**Source:** S&P Global Commodity Insights, ©2024 by S&P Global Inc 6,000 kcal/kg NAR FOB.

³**Source:** IHS Northwest Europe prices for 1990-2000 average monthly marker prices, 2001-2018 average weekly prices. From 2019, monthly average of S&P Global Commodity Insights, ©2024 by S&P Global Inc Thermal Coal CIF ARA 6,000 kcal/kg NAR.

⁴**Source:** S&P Global Commodity Insights, ©2024 by S&P Global Inc FOB Richards Bay 5500 kcal/kg NAR 7-45 Day \$/mt.

⁵**Source:** S&P Global Commodity Insights, ©2024 by S&P Global Inc FOB Kalimantan 5,000 kcal/kg GAR.

⁶South China prices are the average monthly price for 2000-2005, weekly prices 2006-2018, from 2019 monthly average of S&P Global Commodity Insights, ©2024 by S&P Global Inc CFR South China 5,500 kilocalories per kilogram NAR.

⁷**Source:** 2001-2018 IHS Japan prices basis = 6,000 kilocalories per kilogram NAR CIF. From 2019, monthly average of S&P Global Commodity Insights, ©2024 by S&P Global Inc NEAT 5,750 kcal/kg NAR.

⁸**Source:** S&P Global Commodity Insights, ©2024 by S&P Global Inc FOB Newcastle High Ash 5500 kcal/kg NAR 7-45 Day \$/mt.

⁹ S&P Global Commodity Insights, ©2024 by S&P Global Inc Uranium U3O8 Spot Canada Mo01 \$/lb.

Note: CAPP = Central Appalachian, CIF = cost+insurance+freight (average prices); FOB = free on board, NAR = net as received, CFR = cost+freight.

Exajoules												Growth rate per annum		Share
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2023	2013–23	2023
Canada	0.86	0.82	0.77	0.77	0.80	0.65	0.61	0.53	0.47	0.39	0.37	-3.7%	-8.1%	0.2%
Mexico	0.53	0.53	0.53	0.52	0.64	0.57	0.54	0.24	0.20	0.24	0.26	8.1%	-6.8%	0.2%
US	18.08	18.04	15.58	14.26	13.87	13.28	11.34	9.20	10.57	9.91	8.20	-17.3%	-7.6%	5.0%
Total North America	19.48	19.39	16.89	15.55	15.30	14.50	12.49	9.97	11.24	10.54	8.83	-16.2%	-7.6%	5.4%
Argentina	0.05	0.06	0.06	0.04	0.05	0.05	0.03	0.04	0.05	0.05	0.05	-14.1%	-1.5%	†
Brazil	0.69	0.73	0.74	0.67	0.70	0.69	0.65	0.59	0.71	0.59	0.57	-2.2%	-1.8%	0.3%
Chile	0.32	0.32	0.31	0.31	0.32	0.31	0.31	0.26	0.29	0.24	0.18	-26.4%	-5.7%	0.1%
Colombia	0.21	0.22	0.21	0.23	0.17	0.16	0.19	0.17	0.11	0.10	0.16	52.9%	-3.0%	0.1%
Ecuador	^	^	^	^	^	^	^	^	^	^	^	-13.9%	16.8%	†
Peru	0.04	0.04	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.03	0.03	-3.4%	-2.2%	†
Venezuela	0.01	0.01	0.01	0.01	0.01	^	^	^	^	0.01	0.01	–	-2.6%	†
Central America	0.04	0.04	0.05	0.06	0.04	0.06	0.07	0.06	0.07	0.05	0.05	15.1%	3.3%	†
Other Caribbean	0.08	0.08	0.08	0.08	0.07	0.07	0.10	0.12	0.11	0.12	0.12	1.7%	4.6%	0.1%
Other South America	^	^	^	^	^	^	^	^	^	^	^	11.4%	6.2%	†
Total S. & Cent. America	1.43	1.50	1.48	1.43	1.40	1.38	1.39	1.27	1.38	1.19	1.16	-1.8%	-2.0%	0.7%
Austria	0.14	0.13	0.14	0.13	0.13	0.12	0.12	0.10	0.11	0.10	0.10	-6.6%	-3.5%	0.1%
Belgium	0.15	0.14	0.14	0.13	0.13	0.13	0.13	0.10	0.11	0.12	0.10	-14.9%	-3.9%	0.1%
Bulgaria	0.25	0.27	0.27	0.24	0.26	0.23	0.21	0.17	0.22	0.26	0.16	-38.7%	-4.3%	0.1%
Croatia	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.01	-17.4%	-6.7%	†
Cyprus	^	^	^	^	^	^	^	^	^	^	^	-9.0%	60.9%	†
Czech Republic	0.71	0.69	0.68	0.69	0.67	0.67	0.60	0.52	0.54	0.56	0.47	-15.3%	-4.0%	0.3%
Denmark	0.14	0.11	0.08	0.09	0.07	0.07	0.04	0.03	0.04	0.04	0.03	-33.6%	-14.2%	†
Estonia	0.17	0.17	0.15	0.16	0.18	0.18	0.13	0.10	0.11	0.12	0.10	-19.7%	-5.5%	0.1%
Finland	0.21	0.19	0.16	0.18	0.17	0.18	0.15	0.11	0.12	0.12	0.09	-26.1%	-8.2%	0.1%
France	0.53	0.39	0.37	0.36	0.39	0.36	0.29	0.20	0.27	0.23	0.18	-23.3%	-10.3%	0.1%
Germany	3.47	3.33	3.29	3.20	3.01	2.90	2.25	1.85	2.24	2.31	1.83	-21.0%	-6.2%	1.1%
Greece	0.29	0.28	0.24	0.18	0.20	0.20	0.13	0.08	0.07	0.07	0.05	-28.3%	-16.6%	†
Hungary	0.10	0.09	0.10	0.09	0.09	0.09	0.08	0.07	0.06	0.05	0.04	-30.2%	-9.2%	†
Iceland	^	^	^	^	^	^	^	^	^	^	^	-28.1%	-2.7%	†
Ireland	0.09	0.08	0.09	0.09	0.08	0.06	0.04	0.04	0.05	0.04	0.03	-31.7%	-10.8%	†
Italy	0.57	0.55	0.52	0.46	0.40	0.37	0.28	0.21	0.23	0.31	0.22	-30.3%	-9.1%	0.1%
Latvia	^	^	^	^	^	^	^	^	^	^	^	-45.4%	-20.1%	†
Lithuania	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	-38.7%	-8.3%	†
Luxembourg	^	^	^	^	^	^	^	^	^	^	^	-18.5%	-3.5%	†
Netherlands	0.34	0.38	0.46	0.43	0.39	0.35	0.27	0.17	0.23	0.23	0.16	-31.6%	-7.4%	0.1%
North Macedonia	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.04	5.5%	-2.7%	†
Norway	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	2.7%	0.7%	†
Poland	2.23	2.07	2.04	2.07	2.08	2.09	1.86	1.72	1.90	1.78	1.51	-15.6%	-3.8%	0.9%
Portugal	0.11	0.11	0.14	0.12	0.14	0.11	0.05	0.02	0.01	^	^	-28.6%	-46.6%	†
Romania	0.25	0.24	0.25	0.22	0.23	0.21	0.21	0.15	0.17	0.15	0.11	-24.5%	-7.4%	0.1%
Slovakia	0.14	0.14	0.14	0.13	0.14	0.14	0.11	0.10	0.12	0.10	0.10	-4.5%	-3.9%	0.1%
Slovenia	0.06	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03	-8.5%	-6.4%	†
Spain	0.48	0.49	0.57	0.44	0.56	0.48	0.21	0.12	0.13	0.16	0.12	-24.2%	-13.0%	0.1%
Sweden	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	-1.8%	-2.9%	†
Switzerland	0.01	0.01	0.01	^	^	^	^	^	^	^	^	–	-3.6%	†
Türkiye	1.32	1.51	1.45	1.61	1.65	1.71	1.76	1.70	1.74	1.76	1.65	-6.3%	2.3%	1.0%
Ukraine	1.73	1.49	1.14	1.36	1.08	1.17	1.09	0.96	0.95	0.54	0.49	-10.5%	-11.9%	0.3%
United Kingdom	1.57	1.26	1.00	0.51	0.41	0.35	0.25	0.23	0.23	0.21	0.18	-12.6%	-19.3%	0.1%
Other Europe	0.61	0.50	0.58	0.60	0.59	0.59	0.57	0.59	0.56	0.54	0.51	-5.6%	-1.7%	0.3%
Total Europe	15.86	14.88	14.24	13.74	13.29	12.98	11.06	9.57	10.44	10.02	8.39	-16.2%	-6.1%	5.1%
Azerbaijan	^	^	^	^	^	^	^	^	^	^	^	–	-32.3%	†
Belarus	0.04	0.03	0.03	0.03	0.04	0.05	0.06	0.04	0.04	0.04	0.04	3.5%	1.5%	†
Kazakhstan	1.57	1.55	1.14	1.34	1.47	1.52	1.44	1.37	1.40	1.41	1.39	-1.7%	-1.2%	0.8%
Russian Federation	3.79	3.67	3.86	3.74	3.51	3.63	3.57	3.29	3.43	3.84	3.83	-0.2%	0.1%	2.3%
Uzbekistan	0.07	0.07	0.05	0.06	0.06	0.09	0.08	0.10	0.09	0.11	0.14	28.0%	6.7%	0.1%
Other CIS	0.06	0.07	0.08	0.08	0.09	0.09	0.09	0.09	0.10	0.09	0.09	1.5%	4.5%	0.1%
Total CIS	5.52	5.39	5.17	5.25	5.16	5.38	5.23	4.88	5.05	5.49	5.49	†	†	3.3%
Iran	0.03	0.04	0.05	0.04	0.04	0.06	0.07	0.08	0.08	0.08	0.08	1.8%	9.5%	†
Israel	0.30	0.28	0.27	0.23	0.21	0.20	0.21	0.18	0.16	0.16	0.14	-13.5%	-7.3%	0.1%
Kuwait	0.01	0.01	0.01	0.01	0.01	0.01	0.01	^	^	0.01	0.01	–	-7.0%	†
Oman	^	^	^	^	^	^	^	^	^	0.01	0.01	–	10.5%	†
Qatar	^	^	^	^	^	^	^	^	^	^	^	14.1%	5.7%	†
Saudi Arabia	^	0.01	^	^	^	^	^	^	^	^	^	–	0.9%	†
United Arab Emirates	0.07	0.08	0.07	0.08	0.09	0.08	0.07	0.09	0.11	0.10	0.10	1.8%	3.3%	0.1%
Other Middle East	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.03	0.04	76.5%	7.9%	†
Total Middle East	0.44	0.44	0.42	0.38	0.38	0.37	0.38	0.37	0.38	0.38	0.38	0.2%	-1.5%	0.2%
Algeria	0.01	0.01	0.01	^	0.01	0.02	0.02	0.01	0.01	0.01	0.01	-11.1%	0.5%	†
Egypt	0.02	0.02	0.03	0.05	0.05	0.09	0.08	0.03	0.05	0.04	0.05	13.7%	12.0%	†
Morocco	0.13	0.17	0.19	0.18	0.19	0.22	0.28	0.29	0.31	0.31	0.29	-6.2%	8.8%	0.2%
South Africa	3.70	3.75	3.52	3.78	3.72	3.53	3.76	3.68	3.59	3.38	3.33	-1.6%	-1.0%	2.0%
Eastern Africa	0.16	0.24	0.21	0.16	0.20	0.22	0.18	0.18	0.20	0.22	0.24	11.6%	4.4%	0.1%
Middle Africa	^	^	^	^	0.01	0.01	0.01	0.01	0.01	0.02	0.02	33.9%	33.4%	†
Western Africa	0.02	0.03	0.03	0.05	0.05	0.05	0.05	0.05	0.07	0.07	0.07	-5.6%	13.9%	†
Other Northern Africa	–	–	–	–	–	^	^	^	^	^	^	–	–	†
Other Southern Africa	0.05	0.06	0.06	0.06	0.07	0.07	0.06	0.05	0.07	0.07	0.08	1.2%	4.4%	†
Total Africa	4.08	4.27	4.04	4.29	4.29	4.21	4.45	4.30	4.31	4.12	4.08	-1.0%	†	2.5%
Australia	1.89	1.88	1.95	1.94	1.88	1.83	1.75	1.69	1.63	1.54	1.51	-2.3%	-2.2%	0.9%
Bangladesh	0.05	0.03	0.11	0.08	0.09	0.10	0.17	0.19	0.15	0.20	0.28	41.3%	18.2%	0.2%
China	82.45	82.10	80.38	78.03	78.90	80.47	82.52	84.25	87.54	87.83	91.94	4.7%	1.1%	56.0%
China Hong Kong SAR	0.33	0.34	0.28	0.28	0.26	0.27	0.26	0.14	0.15	0.15	0.15	-2.3%	-7.6%	0.1%
India	14.44	15.84	16.17	16.52	17.05	17.93	17.96	16.97	19.27	20.03	21.98	9.8%	4.3%	13.4%
Indonesia	1.59	1.69	1.92	1.96	2.04	2.36	2.88	2.76	2.75	4.38	4.32	-1.4%	10.6%	2.6%
Japan	5.07	4.99	5.03	5.02	5.10	4.99	4.91	4.57	4.93	4.92	4.54	-7.7%	-1.1%	2.8%
Malaysia	0.63	0.64	0.73	0.78	0.87	0.93	0.88	1.04	0.96	0.95	0.98	3.8%	4.6%	0.6%
New Zealand	0.06	0.06	0.06	0.05	0.05	0.06	0.06	0.06	0.07	0.05	0.04	-10.6%	-4.4%	†
Pakistan	0.13	0.20	0.20	0.22	0.30	0.50	0.56	0.65	0.72	0.64	0.62	-4.0%	16.5%	0.4%
Philippines	0.42	0.45	0.49	0.55	0.65	0.68	0.73	0.73	0.79	0.80				