

① Primary energy

10 Consumption

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Statistical Review of World Energy

2021 | 70th edition



Reviewing world energy
data for 70 years

① Primary energy

Consumption*

Exajoules											Growth rate per annum		Share 2020	
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	2009-19	
Canada	13.27	13.78	13.81	14.14	14.19	14.26	14.11	14.24	14.44	14.45	13.63	-5.9%	1.0%	2.4%
Mexico	7.31	7.66	7.71	7.74	7.70	7.69	7.79	7.90	7.84	7.55	6.48	-14.5%	0.6%	1.2%
US	92.91	92.05	89.62	92.04	92.99	92.09	91.96	92.26	95.64	94.90	87.79	-7.7%	0.5%	15.8%
Total North America	113.50	113.49	111.14	113.92	114.88	114.04	113.85	114.40	117.92	116.90	107.90	-8.0%	0.6%	19.4%
Argentina	3.23	3.34	3.46	3.59	3.59	3.66	3.63	3.64	3.59	3.38	3.15	-7.1%	0.8%	0.6%
Brazil	10.95	11.46	11.67	12.10	12.38	12.20	11.89	12.04	12.12	12.42	12.01	-3.6%	2.2%	2.2%
Chile	1.33	1.44	1.48	1.49	1.46	1.50	1.57	1.58	1.64	1.68	1.61	-4.9%	2.4%	0.3%
Colombia	1.44	1.48	1.59	1.60	1.68	1.70	1.78	1.82	1.85	1.91	1.77	-7.7%	3.4%	0.3%
Ecuador	0.55	0.59	0.62	0.64	0.67	0.67	0.66	0.69	0.73	0.74	0.65	-13.6%	4.1%	0.1%
Peru	0.81	0.90	0.93	0.94	0.97	1.02	1.09	1.11	1.17	1.19	1.00	-16.1%	5.2%	0.2%
Trinidad & Tobago	0.84	0.83	0.81	0.83	0.82	0.80	0.71	0.75	0.71	0.71	0.62	-12.5%	-0.9%	0.1%
Venezuela	3.36	3.44	3.61	3.65	3.47	3.43	2.99	2.93	2.47	1.95	1.44	-26.3%	-5.6%	0.3%
Other S. & Cent. America	3.67	3.79	3.84	3.84	3.84	4.01	4.21	4.20	4.29	4.35	3.95	-9.3%	1.9%	0.7%
Total S. & Cent. America	26.19	27.27	27.99	28.70	28.89	28.97	28.53	28.75	28.58	28.33	26.19	-7.8%	1.3%	4.7%
Austria	1.48	1.38	1.45	1.44	1.38	1.38	1.43	1.46	1.43	1.50	1.38	-7.9%	0.5%	0.2%
Belgium	2.76	2.58	2.47	2.54	2.36	2.39	2.58	2.61	2.59	2.67	2.19	-18.1%	0.3%	0.4%
Czech Republic	1.84	1.79	1.78	1.75	1.71	1.68	1.65	1.72	1.72	1.70	1.54	-9.7%	-0.4%	0.3%
Finland	1.30	1.22	1.18	1.19	1.15	1.14	1.16	1.13	1.16	1.13	1.10	-2.8%	-0.6%	0.2%
France	10.65	10.24	10.23	10.33	9.89	9.95	9.79	9.72	9.88	9.67	8.70	-10.3%	-0.7%	1.6%
Germany	13.70	13.20	13.37	13.74	13.16	13.40	13.62	13.78	13.44	13.05	12.11	-7.5%	-0.1%	2.2%
Greece	1.34	1.31	1.23	1.16	1.09	1.10	1.08	1.13	1.13	1.19	1.00	-16.4%	-1.6%	0.2%
Hungary	0.99	0.96	0.90	0.85	0.85	0.90	0.91	0.96	0.97	0.98	0.97	-1.5%	0.1%	0.2%
Italy	7.27	7.13	6.92	6.60	6.24	6.42	6.45	6.52	6.57	6.45	5.86	-9.3%	-0.9%	1.1%
Netherlands	4.10	3.92	3.79	3.68	3.47	3.52	3.59	3.53	3.53	3.51	3.37	-4.2%	-1.0%	0.6%
Norway	1.73	1.75	1.94	1.82	1.87	1.89	1.91	1.92	1.90	1.78	1.93	8.2%	-0.1%	0.3%
Poland	4.18	4.20	4.07	4.09	3.93	3.97	4.15	4.31	4.37	4.24	4.01	-5.5%	0.8%	0.7%
Portugal	1.08	1.03	0.94	1.03	1.05	1.03	1.10	1.07	1.08	1.03	0.93	-9.8%	♦	0.2%
Romania	1.42	1.46	1.40	1.31	1.35	1.36	1.36	1.38	1.41	1.38	1.33	-3.5%	-0.3%	0.2%
Spain	6.08	5.97	5.93	5.62	5.51	5.59	5.64	5.72	5.79	5.60	4.97	-11.4%	-0.6%	0.9%
Sweden	2.16	2.13	2.26	2.12	2.11	2.17	2.14	2.21	2.16	2.24	2.20	-2.2%	1.0%	0.4%
Switzerland	1.23	1.17	1.23	1.26	1.21	1.18	1.11	1.11	1.13	1.18	1.08	-8.6%	-0.7%	0.2%
Turkey	4.50	4.81	5.11	5.07	5.23	5.72	6.01	6.37	6.29	6.51	6.29	-3.6%	4.3%	1.1%
Ukraine	5.10	5.27	5.17	4.89	4.33	3.59	3.75	3.49	3.62	3.42	3.31	-3.3%	-3.3%	0.6%
United Kingdom	8.92	8.43	8.53	8.48	7.99	8.08	7.99	7.96	7.95	7.73	6.89	-11.0%	-1.2%	1.2%
Other Europe	6.70	6.55	6.26	6.32	6.11	6.25	6.40	6.52	6.63	6.53	5.97	-8.8%	0.1%	1.1%
Total Europe	88.53	86.50	86.18	85.29	82.01	82.72	83.81	84.64	84.74	83.46	77.15	-7.8%	-0.2%	13.9%
Azerbaijan	0.47	0.52	0.54	0.55	0.56	0.62	0.61	0.60	0.62	0.65	0.62	-4.3%	3.2%	0.1%
Belarus	1.09	1.08	1.17	1.03	1.07	0.97	0.96	0.98	1.07	1.05	0.98	-7.0%	0.3%	0.2%
Kazakhstan	2.24	2.53	2.66	2.67	2.73	2.74	2.73	2.94	3.24	3.15	3.11	-1.7%	4.2%	0.6%
Russian Federation	27.99	28.92	28.98	28.65	28.72	28.23	28.82	29.00	30.11	29.90	28.31	-5.5%	1.1%	5.1%
Turkmenistan	0.90	1.00	1.09	0.97	1.00	1.20	1.19	1.17	1.31	1.43	1.40	-1.9%	5.5%	0.3%
Uzbekistan	1.88	1.95	1.93	1.96	2.02	1.93	1.85	1.85	1.92	1.92	1.87	-2.8%	0.2%	0.3%
Other CIS	0.67	0.71	0.74	0.71	0.73	0.72	0.73	0.76	0.83	0.80	0.82	1.5%	2.1%	0.1%
Total CIS	35.23	36.71	37.10	36.53	36.82	36.41	36.88	37.30	39.08	38.90	37.12	-4.8%	1.4%	6.7%
Iran	8.72	9.11	9.21	9.55	9.98	9.93	10.40	10.79	11.42	11.97	12.03	0.2%	3.4%	2.2%
Iraq	1.45	1.54	1.63	1.76	1.69	1.68	1.93	1.91	2.00	2.20	2.06	-6.3%	4.9%	0.4%
Israel	0.99	1.02	1.06	0.98	0.97	1.02	1.04	1.09	1.09	1.13	1.05	-7.4%	1.9%	0.2%
Kuwait	1.41	1.45	1.51	1.55	1.57	1.61	1.62	1.65	1.65	1.67	1.51	-9.9%	3.1%	0.3%
Oman	0.87	0.94	1.03	1.15	1.14	1.21	1.21	1.30	1.37	1.39	1.37	-1.8%	6.7%	0.2%
Qatar	1.20	1.40	1.60	1.73	1.87	2.13	2.08	2.02	1.78	1.93	1.71	-11.3%	6.4%	0.3%
Saudi Arabia	8.74	9.18	9.74	9.78	10.49	10.82	10.96	10.93	10.65	10.68	10.56	-1.4%	3.1%	1.9%
United Arab Emirates	3.50	3.67	3.87	4.08	4.04	4.46	4.64	4.65	4.59	4.55	4.19	-8.2%	3.2%	0.8%
Other Middle East	2.46	2.32	2.20	2.11	2.08	1.95	1.94	1.96	1.92	1.99	1.96	-1.8%	-2.0%	0.4%
Total Middle East	29.33	30.63	31.84	32.68	33.83	34.82	35.82	36.30	36.47	37.51	36.44	-3.1%	3.1%	6.5%
Algeria	1.58	1.67	1.83	1.93	2.11	2.22	2.22	2.25	2.42	2.50	2.30	-8.4%	4.5%	0.4%
Egypt	3.24	3.30	3.47	3.45	3.44	3.52	3.69	3.80	3.85	3.86	3.65	-5.8%	2.3%	0.7%
Morocco	0.70	0.73	0.75	0.77	0.78	0.79	0.80	0.84	0.86	0.94	0.88	-7.1%	4.1%	0.2%
South Africa	5.26	5.20	5.12	5.14	5.20	5.09	5.33	5.30	5.10	5.21	4.90	-6.1%	♦	0.9%
Other Africa	5.21	5.14	5.48	5.82	6.22	6.47	6.55	6.85	7.27	7.36	6.86	-7.0%	4.1%	1.2%
Total Africa	15.99	16.04	16.64	17.10	17.75	18.09	18.59	19.03	19.50	19.87	18.58	-6.7%	2.5%	3.3%
Australia	5.33	5.48	5.42	5.49	5.54	5.67	5.70	5.67	5.70	5.88	5.57	-5.5%	0.9%	1.0%
Bangladesh	0.90	0.98	1.05	1.08	1.12	1.31	1.33	1.38	1.47	1.64	1.59	-3.2%	6.4%	0.3%
China	104.29	112.54	117.05	121.38	124.82	126.53	128.63	132.80	137.58	142.03	145.46	2.1%	3.8%	26.1%
China Hong Kong SAR	1.16	1.19	1.14	1.17	1.14	1.18	1.21	1.29	1.30	1.24	0.93	-25.3%	1.1%	0.2%
India	22.48	23.80	25.04	26.02	27.79	28.68	29.95	31.14	33.14	33.89	31.98	-5.9%	4.7%	5.7%
Indonesia	6.40	6.88	7.32	7.56	7.02	7.09	7.17	7.47	8.07	8.65	8.10	-6.7%	4.0%	1.5%
Japan	21.11	20.02	19.89	19.73	19.22	18.92	18.70	18.91	18.80	18.37	17.03	-7.5%	-0.8%	3.1%
Malaysia	3.35	3.47	3.73	3.90	3.94	4.00	4.21	4.27	4.33	4.43	4.11	-7.4%	3.1%	0.7%
New Zealand	0.83	0.83	0.84	0.84	0.88	0.89	0.89	0.91	0.91	0.93	0.84	-9.9%	1.4%	0.2%
Pakistan	2.65	2.65	2.47	2.69	2.77	2.92	3.18	3.37	3.48	3.51	3.47	-1.4%	2.9%	0.6%
Philippines	1.22	1.24	1.28	1.38	1.45	1.59	1.73	1.90	1.96	2.02	1.82	-9.7%	5.5%	0.3%
Singapore	2.87	2.99	3.00	3.06	3.15	3.35	3.48	3.59	3.61	3.53	3.42	-3.4%	2.8%	0.6%
South Korea	10.82	11.33	11.44	11.47	11.57	11.75	12.03	12.27	12.43	12.25	11.79	-4.0%	2.1%	2.1%
Sri Lanka	0.24	0.25	0.25	0.25	0.27	0.29	0.31	0.33	0.35	0.36	0.33	-8.8%	4.9%	0.1%
Taiwan	4.77	4.73	4.70	4.80	4.90	4.90	4.90	4.93	4.99	4.90	4.82	-2.0%	1.0%	0.9%
Thailand	4.39	4.56	4.87	4.95	5.09	5.21	5.32	5.41	5.53	5.51	5.12	-7.4%	2.9%	0.9%
Vietnam	1.87	2.13	2.24	2.35	2.57	2.86	3.09	3.31	3.73	4.17	4.09	-2.1%	9.7%	0.7%
Other Asia Pacific	1.94	1.93	2.02	1.97	2.13	2.22	2.41	2.46	2.50	3.23	3.25	0.1%	6.3%	0.6%
Total Asia Pacific	196.60	206.99	213.73	220.09	225.38	229.36	234.24	241.41	249.85	256.54	253.72	-1.4%	3.3%	45.5%
Total World	505.38	517.64	524.61	534.32	539.56	544.41	551.74	561.82	576.13	581.51	557.10	-4.5%	1.9%	100.0%
of which: OECD	234.19	231.74	229.51	231.63	229.									

Primary energy: Consumption by fuel*

Exajoules	2019							2020						
	Oil	Natural gas	Coal	Nuclear energy	Hydro-electricity	Renewables	Total	Oil	Natural gas	Coal	Nuclear energy	Hydro-electricity	Renewables	Total
Canada	4.78	4.24	0.63	0.90	3.38	0.51	14.45	4.26	4.05	0.50	0.87	3.42	0.54	13.63
Mexico	3.24	3.17	0.54	0.10	0.21	0.30	7.55	2.46	3.11	0.21	0.10	0.24	0.36	6.48
US	37.13	30.57	11.34	7.60	2.54	5.71	94.90	32.54	29.95	9.20	7.39	2.56	6.15	87.79
Total North America	45.15	37.98	12.52	8.59	6.14	6.52	116.90	39.27	37.11	9.91	8.35	6.22	7.04	107.90
Argentina	1.15	1.68	0.03	0.08	0.33	0.12	3.38	1.03	1.58	0.03	0.09	0.27	0.13	3.15
Brazil	4.81	1.29	0.65	0.14	3.55	1.99	12.42	4.61	1.16	0.58	0.14	3.52	2.01	12.01
Chile	0.76	0.23	0.31	–	0.19	0.18	1.68	0.69	0.22	0.30	–	0.18	0.21	1.61
Colombia	0.68	0.48	0.20	–	0.48	0.06	1.91	0.55	0.50	0.27	–	0.39	0.05	1.77
Ecuador	0.49	0.02	–	–	0.22	0.01	0.74	0.40	0.02	–	–	0.22	0.01	0.65
Peru	0.54	0.30	0.03	–	0.28	0.04	1.19	0.40	0.25	0.02	–	0.27	0.05	1.00
Trinidad & Tobago	0.08	0.63	–	–	–	†	0.71	0.08	0.54	–	–	–	†	0.62
Venezuela	0.59	0.92	†	–	0.43	†	1.95	0.48	0.68	†	–	0.28	†	1.44
Other S. & Cent. America	2.74	0.33	0.23	–	0.76	0.29	4.35	2.37	0.29	0.28	–	0.72	0.29	3.95
Total S. & Cent. America	11.84	5.88	1.45	0.22	6.25	2.69	28.33	10.62	5.24	1.48	0.23	5.87	2.75	26.19
Austria	0.55	0.32	0.12	–	0.36	0.15	1.50	0.48	0.31	0.09	–	0.36	0.14	1.38
Belgium	1.33	0.63	0.13	0.39	†	0.19	2.67	0.93	0.61	0.11	0.31	†	0.23	2.19
Czech Republic	0.42	0.30	0.60	0.27	0.02	0.09	1.70	0.37	0.30	0.49	0.27	0.02	0.09	1.54
Finland	0.39	0.07	0.15	0.22	0.11	0.19	1.13	0.35	0.07	0.13	0.21	0.14	0.19	1.10
France	3.14	1.57	0.27	3.56	0.50	0.63	9.67	2.68	1.46	0.19	3.14	0.54	0.68	8.70
Germany	4.66	3.19	2.25	0.67	0.18	2.10	13.05	4.21	3.12	1.84	0.57	0.17	2.21	12.11
Greece	0.64	0.19	0.22	–	0.04	0.12	1.19	0.51	0.21	0.11	–	0.03	0.14	1.00
Hungary	0.35	0.35	0.08	0.15	†	0.05	0.98	0.33	0.37	0.07	0.14	†	0.06	0.97
Italy	2.55	2.55	0.28	–	0.41	0.65	6.45	2.13	2.44	0.21	–	0.41	0.67	5.86
Netherlands	1.64	1.33	0.27	0.03	†	0.23	3.51	1.51	1.32	0.18	0.04	†	0.33	3.37
Norway	0.39	0.16	0.03	–	1.12	0.07	1.78	0.37	0.16	0.03	–	1.25	0.11	1.93
Poland	1.36	0.75	1.86	–	0.02	0.25	4.24	1.28	0.78	1.67	–	0.02	0.27	4.01
Portugal	0.50	0.22	0.05	–	0.08	0.18	1.03	0.41	0.22	0.02	–	0.11	0.17	0.93
Romania	0.45	0.39	0.21	0.10	0.14	0.10	1.38	0.44	0.41	0.15	0.10	0.13	0.10	1.33
Spain	2.70	1.30	0.16	0.52	0.20	0.73	5.60	2.21	1.17	0.07	0.52	0.24	0.77	4.97
Sweden	0.59	0.04	0.08	0.59	0.58	0.36	2.24	0.55	0.04	0.07	0.48	0.65	0.41	2.20
Switzerland	0.44	0.12	†	0.23	0.34	0.04	1.18	0.37	0.12	†	0.20	0.33	0.05	1.08
Turkey	2.01	1.56	1.76	–	0.79	0.39	6.51	1.82	1.67	1.66	–	0.69	0.45	6.29
Ukraine	0.48	1.02	1.08	0.74	0.06	0.05	3.42	0.45	1.06	0.98	0.68	0.06	0.09	3.31
United Kingdom	3.08	2.78	0.22	0.50	0.05	1.09	7.73	2.39	2.61	0.19	0.45	0.06	1.20	6.89
Other Europe	2.59	1.08	1.34	0.34	0.60	0.58	6.53	2.28	1.07	1.10	0.34	0.59	0.60	5.97
Total Europe	30.27	19.93	11.13	8.29	5.60	8.24	83.46	26.07	19.48	9.40	7.44	5.82	8.94	77.15
Azerbaijan	0.21	0.42	†	–	0.01	†	0.65	0.18	0.43	†	–	0.01	†	0.62
Belarus	0.30	0.69	0.06	–	†	†	1.05	0.28	0.64	0.06	–	†	†	0.98
Kazakhstan	0.76	0.63	1.66	–	0.09	0.01	3.15	0.75	0.60	1.64	–	0.09	0.03	3.11
Russian Federation	6.72	16.00	3.57	1.86	1.73	0.02	29.90	6.39	14.81	3.27	1.92	1.89	0.04	28.31
Turkmenistan	0.29	1.14	–	–	†	†	1.43	0.28	1.13	–	–	†	†	1.40
Uzbekistan	0.19	1.60	0.08	–	0.06	†	1.92	0.16	1.55	0.10	–	0.06	†	1.87
Other CIS	0.18	0.20	0.09	0.02	0.32	†	0.80	0.16	0.22	0.11	0.02	0.31	†	0.82
Total CIS	8.64	20.67	5.45	1.88	2.21	0.04	38.90	8.19	19.38	5.17	1.94	2.36	0.08	37.12
Iran	3.53	8.04	0.07	0.06	0.26	0.01	11.97	3.31	8.39	0.07	0.06	0.19	0.01	12.03
Iraq	1.47	0.70	–	–	0.02	†	2.20	1.29	0.75	–	–	0.02	†	2.06
Israel	0.50	0.39	0.21	–	–	0.03	1.13	0.42	0.41	0.17	–	–	0.05	1.05
Kuwait	0.83	0.83	0.01	–	–	†	1.67	0.76	0.74	†	–	–	†	1.51
Oman	0.48	0.90	0.01	–	–	†	1.39	0.42	0.93	0.01	–	–	†	1.37
Qatar	0.60	1.32	–	–	–	†	1.93	0.45	1.26	–	–	–	†	1.71
Saudi Arabia	6.67	4.00	†	–	–	0.01	10.68	6.51	4.04	†	–	–	0.01	10.56
United Arab Emirates	1.86	2.57	0.08	–	–	0.04	4.55	1.51	2.51	0.11	0.01	–	0.05	4.19
Other Middle East	1.09	0.84	0.01	–	0.02	0.03	1.99	1.03	0.86	0.01	–	0.02	0.04	1.96
Total Middle East	17.03	19.60	0.40	0.06	0.30	0.12	37.51	15.71	19.88	0.38	0.07	0.23	0.17	36.44
Algeria	0.85	1.63	0.02	–	†	0.01	2.50	0.72	1.55	0.02	–	†	0.01	2.30
Egypt	1.48	2.12	0.08	–	0.12	0.06	3.86	1.33	2.08	0.03	–	0.12	0.09	3.65
Morocco	0.56	0.04	0.28	–	0.01	0.06	0.94	0.50	0.03	0.28	–	0.01	0.06	0.88
South Africa	1.17	0.15	3.64	0.12	0.01	0.11	5.21	1.02	0.15	3.48	0.14	†	0.11	4.90
Other Africa	4.21	1.66	0.30	–	1.08	0.11	7.36	3.62	1.70	0.30	–	1.13	0.11	6.86
Total Africa	8.28	5.59	4.32	0.12	1.22	0.34	19.87	7.19	5.51	4.11	0.14	1.27	0.38	18.58
Australia	2.11	1.52	1.75	–	0.13	0.37	5.88	1.83	1.47	1.69	–	0.13	0.45	5.57
Bangladesh	0.38	1.11	0.14	–	0.01	†	1.64	0.33	1.10	0.15	–	0.01	†	1.59
China	27.94	11.10	81.79	3.11	11.34	6.75	142.03	28.50	11.90	82.27	3.25	11.74	7.79	145.46
China Hong Kong SAR	0.87	0.11	0.26	–	–	†	1.24	0.61	0.18	0.14	–	–	†	0.93
India	9.99	2.13	18.60	0.40	1.44	1.33	33.89	9.02	2.15	17.54	0.40	1.45	1.43	31.98
Indonesia	3.16	1.58	3.41	–	0.15	0.35	8.65	2.81	1.50	3.26	–	0.17	0.37	8.10
Japan	7.32	3.89	4.91	0.59	0.66	1.01	18.37	6.49	3.76	4.57	0.38	0.69	1.13	17.03
Malaysia	1.59	1.61	0.95	–	0.23	0.04	4.43	1.38	1.37	1.14	–	0.18	0.04	4.11
New Zealand	0.36	0.18	0.06	–	0.23	0.10	0.93	0.30	0.16	0.06	–	0.22	0.10	0.84
Pakistan	0.90	1.60	0.56	0.08	0.32	0.05	3.51	0.88	1.48	0.62	0.08	0.36	0.04	3.47
Philippines	0.91	0.15	0.73	–	0.07	0.15	2.02	0.75	0.14	0.73	–	0.06	0.15	1.82
Singapore	3.05	0.45	0.02	–	–	0.01	3.53	2.93	0.45	0.02	–	–	0.01	3.42
South Korea	5.16	2.02	3.44	1.30	0.02	0.30	12.25	4.90	2.04	3.03	1.42	0.03	0.36	11.79
Sri Lanka	0.25	–	0.06	–	0.04	0.01	0.36	0.21	–	0.07	–	0.04	0.01	0.33
Taiwan	1.98	0.84	1.67	0.29	0.05	0.07	4.90	1.89	0.90	1.63	0.28	0.03	0.09	4.82
Thailand	2.62	1.83	0.71	–	0.06	0.28	5.51	2.39	1.69	0.73	–	0.04	0.28	5.12
Vietnam	1.10	0.35	2.07	–	0.60	0.04	4.17	0.98	0.31	2.10	–	0.61	0.08	4.09
Other Asia Pacific	0.96	0.41	1.23	–	0.61	0.01	3.23	0.94	0.42	1.23	–	0.64	0.02	3.25
Total Asia Pacific	70.67	30.89	122.37	5.77	15.97	10.87	256.54	67.15	31.02	120.97	5.82	16.41	12.36	253.72
Total World	191.89	140.54	157.64	24.93	37.69	28.82	581.51	174.20	137.62	151.42	23.98	38.16	31.71	557.10
of which: OECD	90.16	64.80	32.30	17.78	12.87	16.56	234.48	78.52	63.28	27.46	16.67	13.14	18.04	217.11
Non-OECD	101.73	75.74	125.34	7.15	24.81	12.26	347.04	95.67	74.34	123.96	7.31	25.02	13.67	339.99
European Union	23.17	14.08	7.32	6.82	2.83	6.51	60.74	20.03	13.68	5.91	6.11	3.04	6.97	55.74

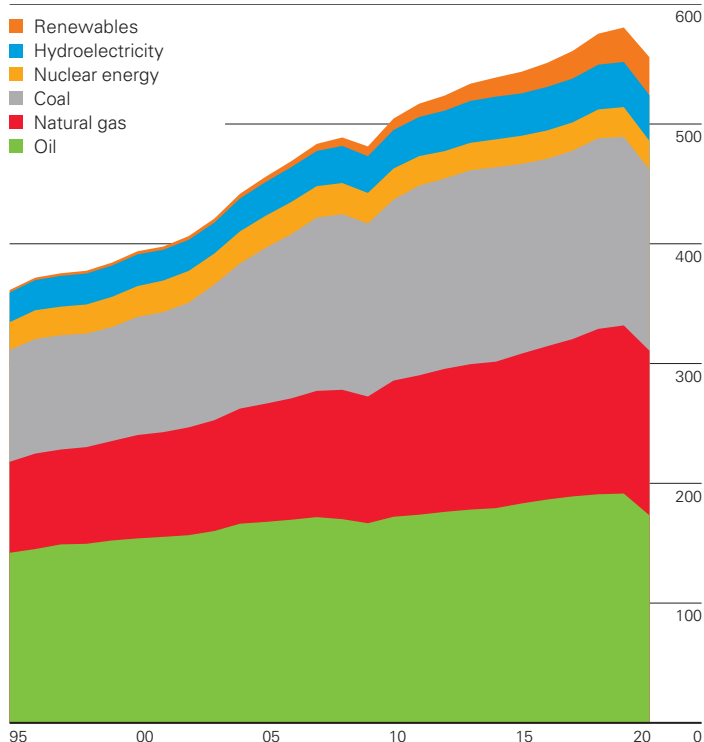
*In this review, primary energy comprises commercially traded fuels, including modern renewables used to generate electricity.

†Energy from all sources of non-fossil power generation is accounted for on an input-equivalent basis. See the appendix or [bp.com/statisticalreview](https://www.bp.com/statisticalreview) for more details on this methodology.

– Less than 0.005.

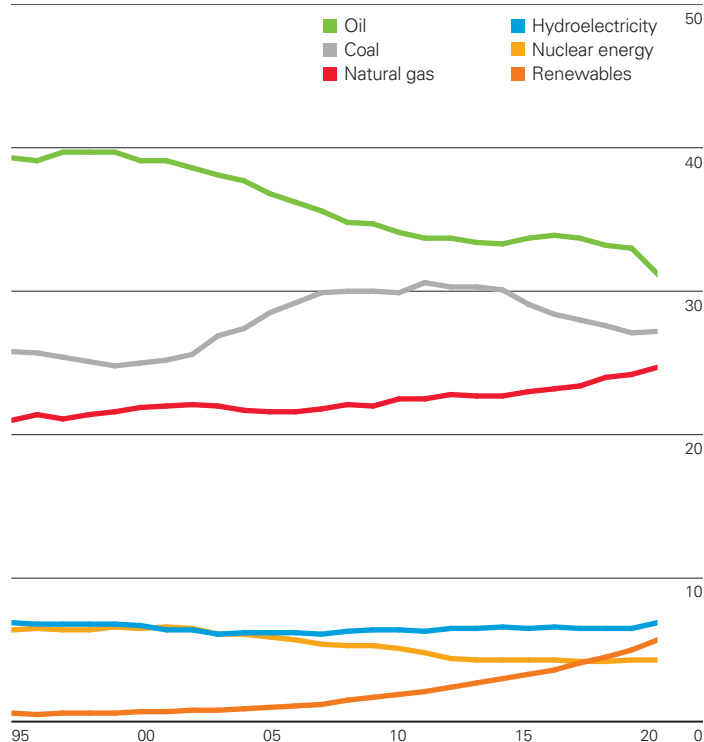
World consumption

Exajoules



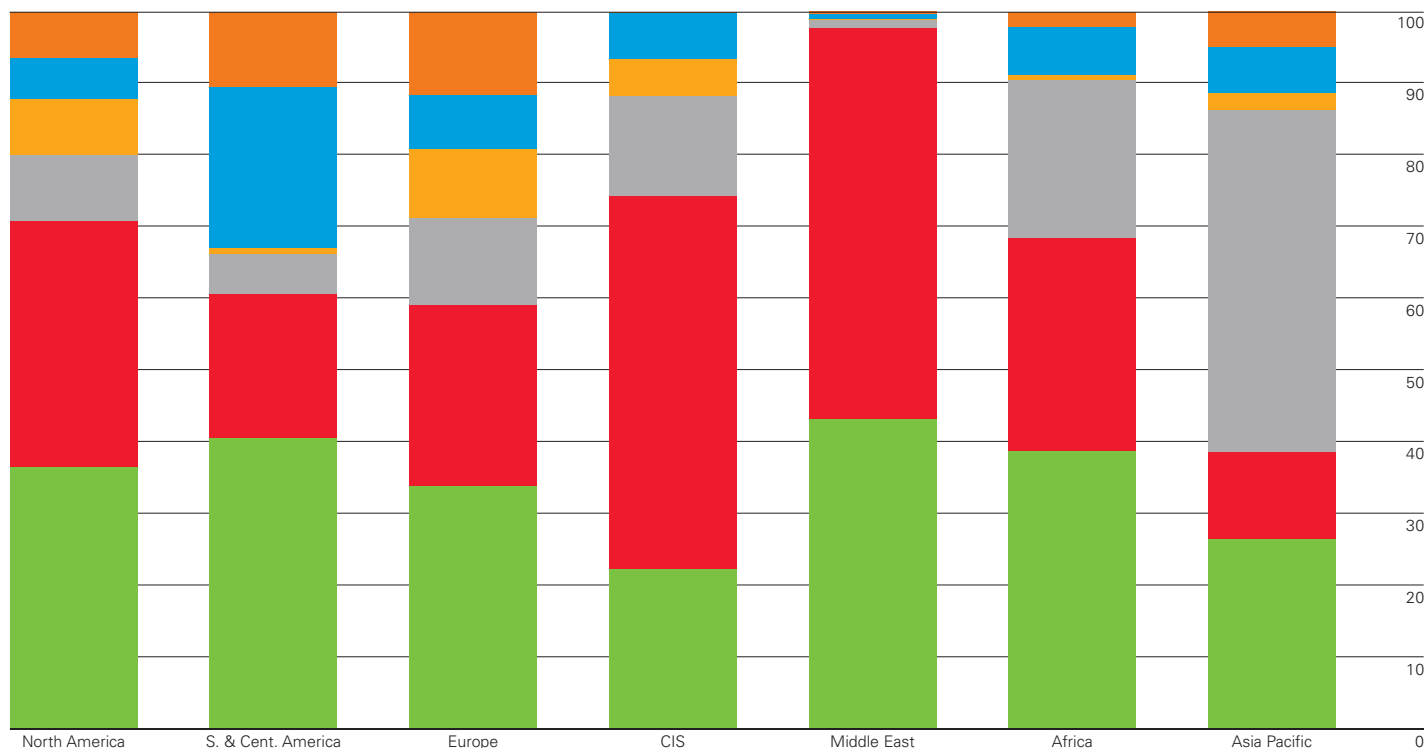
Shares of global primary energy

Percentage



Regional consumption pattern 2020

Percentage



Primary energy: Consumption per capita*

Gigajoules per capita												Growth rate per annum	
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	2009-19
Canada	388.8	398.9	395.5	400.7	398.0	395.9	387.7	387.8	389.4	386.3	361.1	-6.8%	-0.1%
Mexico	64.1	66.2	65.7	65.1	64.0	63.1	63.1	63.3	62.1	59.2	50.2	-15.4%	-0.6%
US	300.7	295.4	285.4	290.9	291.8	287.0	284.7	283.8	292.4	288.4	265.2	-8.3%	-0.2%
Total North America	248.2	245.7	238.4	242.1	242.0	238.2	235.9	235.1	240.5	236.6	216.8	-8.6%	-0.3%
Argentina	79.1	80.7	82.9	85.2	84.2	84.9	83.5	82.9	80.9	75.5	69.7	-8.0%	-0.2%
Brazil	56.0	58.0	58.5	60.2	61.1	59.7	57.7	57.9	57.8	58.9	56.5	-4.3%	1.4%
Chile	77.9	83.8	84.9	84.9	82.4	83.2	86.2	85.5	87.8	88.9	84.1	-5.7%	1.3%
Colombia	31.8	32.5	34.5	34.4	35.8	35.7	37.1	37.1	37.3	37.9	34.7	-8.6%	2.2%
Ecuador	36.8	38.4	39.9	40.6	42.0	41.2	40.3	40.9	42.5	42.8	36.6	-14.9%	2.4%
Peru	28.0	30.7	31.4	31.7	32.2	33.3	35.1	35.4	36.7	36.5	30.2	-17.3%	4.0%
Trinidad & Tobago	633.9	618.8	605.3	612.4	605.4	584.0	515.4	544.4	513.1	509.5	445.7	-12.8%	-1.5%
Venezuela	118.2	119.1	122.8	122.7	115.7	114.1	100.2	99.5	85.6	68.4	50.7	-26.0%	-5.8%
Other S. & Cent. America	35.1	35.8	35.8	35.4	35.0	36.1	37.6	37.0	37.5	37.6	33.8	-10.3%	0.8%
Total S. & Cent. America	54.9	56.5	57.4	58.3	58.1	57.7	56.3	56.2	55.4	54.4	49.9	-8.6%	0.4%
Austria	175.7	163.7	170.7	168.5	160.4	159.5	163.5	166.0	160.8	167.2	153.6	-8.4%	-0.2%
Belgium	252.6	234.2	223.0	227.6	210.2	211.9	227.1	228.2	225.3	231.2	189.0	-18.4%	-0.3%
Czech Republic	174.3	169.8	168.5	165.0	161.3	158.0	155.6	162.0	161.2	158.9	143.6	-9.9%	-0.6%
Finland	242.8	225.8	218.5	218.8	210.1	207.9	210.9	205.7	209.5	203.4	197.9	-3.0%	-1.0%
France	169.4	161.9	161.0	161.7	154.1	154.4	151.3	149.8	152.1	148.5	133.3	-10.5%	-1.1%
Germany	169.6	163.3	165.1	169.3	161.6	163.8	165.7	166.7	161.6	156.3	144.6	-7.8%	-0.4%
Greece	123.1	121.2	114.5	107.8	101.8	103.3	101.7	107.1	107.6	113.9	96.0	-16.0%	-1.2%
Hungary	99.8	97.2	90.9	86.5	86.6	91.5	93.8	98.7	99.6	101.2	100.2	-1.2%	0.3%
Italy	122.6	119.6	115.6	109.7	103.3	106.0	106.3	107.5	108.4	106.5	97.0	-9.2%	-1.1%
Netherlands	245.5	234.4	225.9	218.5	205.7	208.0	211.3	207.5	206.8	205.4	196.8	-4.5%	-1.2%
Norway	354.0	354.3	386.3	358.0	363.9	364.4	364.5	362.9	356.2	330.6	356.0	7.4%	-1.2%
Poland	109.1	109.8	106.6	107.1	103.3	104.5	109.3	113.7	115.1	111.8	106.0	-5.4%	0.9%
Portugal	101.7	97.3	89.3	98.1	100.6	99.2	106.3	103.8	105.8	100.9	91.5	-9.6%	0.4%
Romania	69.4	71.7	69.4	64.8	67.5	68.2	68.6	70.4	72.2	71.1	69.2	-2.9%	0.4%
Spain	129.5	126.8	126.1	119.7	117.9	119.8	121.0	122.5	124.0	119.7	106.3	-11.4%	-0.6%
Sweden	229.8	225.2	236.6	220.3	217.5	222.6	217.3	222.8	216.6	223.4	217.8	-2.8%	0.2%
Switzerland	157.4	147.6	153.8	155.9	146.8	142.0	132.3	131.4	132.3	136.9	124.5	-9.3%	-1.8%
Turkey	62.2	65.5	68.4	66.7	67.7	72.9	75.3	78.6	76.4	78.0	74.6	-4.6%	2.7%
Ukraine	111.3	115.6	113.7	108.0	95.9	79.9	83.9	78.5	81.8	77.7	75.8	-2.8%	-2.8%
United Kingdom	140.5	131.6	132.1	130.5	122.1	122.7	120.5	119.3	118.4	114.4	101.6	-11.5%	-1.9%
Other Europe	106.7	104.5	100.1	101.3	98.2	100.6	103.3	105.4	107.3	105.8	96.8	-8.7%	0.3%
Total Europe	134.4	130.9	129.9	128.2	122.8	123.5	124.7	125.5	125.3	123.1	113.6	-8.0%	-0.6%
Azerbaijan	51.9	57.0	58.0	58.8	59.2	64.0	62.6	60.7	61.9	64.5	61.3	-5.2%	1.9%
Belarus	115.6	115.1	124.3	109.5	113.1	102.7	102.1	104.0	113.2	111.5	103.9	-7.0%	0.2%
Kazakhstan	137.5	153.6	158.7	157.1	157.6	156.1	152.9	162.6	176.8	169.8	165.4	-2.8%	2.7%
Russian Federation	195.1	201.2	201.3	198.5	198.5	194.7	198.4	199.3	206.6	204.9	194.0	-5.6%	0.9%
Turkmenistan	176.6	192.7	206.4	180.0	183.1	215.3	209.5	203.9	223.4	240.1	232.7	-3.3%	3.7%
Uzbekistan	66.0	67.4	65.4	65.4	66.4	62.4	58.7	57.9	59.0	58.2	56.0	-4.2%	-1.4%
Other CIS	33.4	35.3	36.2	34.0	34.4	33.7	33.5	34.3	36.9	35.3	35.4	0.1%	0.6%
Total CIS	152.1	157.5	158.1	154.7	154.8	152.0	153.0	153.7	160.0	158.4	150.4	-5.3%	0.8%
Iran	118.2	122.1	121.9	124.8	128.9	126.5	130.8	133.8	139.6	144.4	143.2	-1.1%	2.1%
Iraq	48.8	50.0	51.2	53.1	49.0	47.3	52.8	50.8	52.0	55.9	51.3	-8.4%	1.7%
Israel	135.0	135.6	139.3	127.3	123.2	128.0	128.1	131.7	129.9	132.5	121.0	-8.9%	0.2%
Kuwait	472.6	458.7	451.1	438.6	425.9	420.9	408.3	406.1	398.4	396.6	352.9	-11.3%	-1.0%
Oman	284.9	289.8	293.5	304.9	283.8	283.1	270.2	278.7	283.9	279.5	268.2	-4.3%	1.0%
Qatar	646.7	686.1	726.4	740.3	759.6	829.6	783.2	740.8	639.7	679.7	594.2	-12.8%	0.9%
Saudi Arabia	318.6	324.9	334.0	325.5	339.4	341.1	337.7	330.2	315.9	311.7	303.3	-2.9%	0.5%
United Arab Emirates	409.2	410.7	423.2	443.9	438.2	481.9	495.9	490.6	476.7	466.0	423.7	-9.3%	1.0%
Other Middle East	39.6	36.7	34.3	32.5	31.8	29.5	29.0	29.0	28.0	28.6	27.6	-3.7%	-3.4%
Total Middle East	135.3	138.2	140.6	141.4	143.6	145.2	146.7	146.2	144.5	146.2	139.6	-4.7%	1.2%
Algeria	43.9	45.6	48.9	50.7	54.2	56.0	54.8	54.2	57.2	58.1	52.4	-10.1%	2.4%
Egypt	39.2	39.1	40.2	39.0	38.1	38.0	39.1	39.4	39.2	38.5	35.6	-7.6%	0.1%
Morocco	21.6	22.4	22.4	22.7	22.7	22.8	22.7	23.5	24.0	25.9	23.8	-8.2%	2.8%
South Africa	102.7	99.9	96.9	95.7	95.3	91.9	94.8	92.9	88.2	88.9	82.7	-7.3%	-1.5%
Other Africa	6.2	6.0	6.2	6.4	6.7	6.7	6.6	6.8	7.0	6.9	6.2	-9.4%	1.3%
Total Africa	15.4	15.0	15.2	15.2	15.4	15.3	15.3	15.3	15.3	15.2	13.9	-9.0%	-0.1%
Australia	240.5	243.3	236.5	235.9	234.8	237.0	234.8	230.5	228.8	233.2	218.4	-6.6%	-0.6%
Bangladesh	6.1	6.6	6.9	7.1	7.3	8.4	8.4	8.6	9.1	10.1	9.7	-4.1%	5.2%
China	76.2	81.8	84.6	87.2	89.2	89.9	91.0	93.5	96.4	99.1	101.1	1.7%	3.3%
China Hong Kong SAR	166.0	169.2	161.7	165.1	160.2	163.5	166.5	177.0	176.6	166.9	123.9	-25.9%	0.4%
India	18.2	19.0	19.8	20.3	21.4	21.9	22.6	23.3	24.5	24.8	23.2	-6.8%	3.5%
Indonesia	26.5	28.1	29.5	30.0	27.5	27.4	27.4	28.2	30.1	32.0	29.6	-7.6%	2.7%
Japan	164.2	155.8	154.9	153.7	149.9	147.9	146.4	148.3	147.8	144.8	134.7	-7.3%	-0.6%
Malaysia	118.8	121.1	128.3	132.5	131.9	132.0	137.1	137.2	137.3	138.7	127.1	-8.6%	1.7%
New Zealand	188.9	187.9	187.1	186.2	192.6	192.3	191.7	193.2	191.1	194.4	174.3	-10.6%	0.4%
Pakistan	14.8	14.4	13.2	14.0	14.2	14.6	15.6	16.2	16.4	16.2	15.7	-3.4%	0.8%
Philippines	13.0	13.0	13.2	13.9	14.4	15.5	16.7	18.1	18.3	18.6	16.7	-10.9%	3.8%
Singapore	559.5	567.1	558.3	561.8	570.5	599.5	615.3	628.8	626.3	607.8	583.9	-4.2%	1.2%
South Korea	218.3	227.5	228.5	227.8	228.6	231.2	235.9	240.1	242.9	239.1	229.9	-4.1%	1.7%
Sri Lanka	11.7	12.2	12.2	12.3	13.0	13.9	14.7	15.5	16.3	16.8	15.3	-9.2%	4.3%
Taiwan	205.5	203.1	201.3	204.7	208.7	208.0	207.6	208.0	210.4	206.2	202.3	-2.1%	0.7%
Thailand	65.3	67.5	71.8	72.7	74.3	75.8	77.1	78.2	79.6	79.2	73.3	-7.6%	2.5%
Vietnam	21.3	24.0	24.9	25.9	28.1	30.9	33.0	35.0	39.0	43.2	42.0	-3.0%	8.6%
Other Asia Pacific	11.6	11.3	11.7	11.3	12.0	12.4	13.3	13.4	13.4	17.1	17.0	-1.2%	4.9%
Total Asia Pacific	50.7	52.9	54.0	55.1	55.9	56.4	57.1	58.3	59.8	60.9	59.8	-2.2%	2.4%
Total World	72.6	73.5	73.6	74.1	73.9	73.8	73.9	74.4	75.5	75.4	71.5	-5.5%	0.7%
of which: OECD	182.1	179.0	176.1	176.6	174.0	173.4	173.1	173.6	175.3	172.7	159.1	-8.1%	-0.2%
Non-OECD	47.8	49.7	50.7	51.3	51.8	51.9	52.3	52.9	54.0	54.6	52.9	-3.4%	1.8%
European Union	148.1	143.4	141.4	140.0	134.8	136.3	137.7	139.2	139.0	136.5	125.2	-8.5%	-0.5%

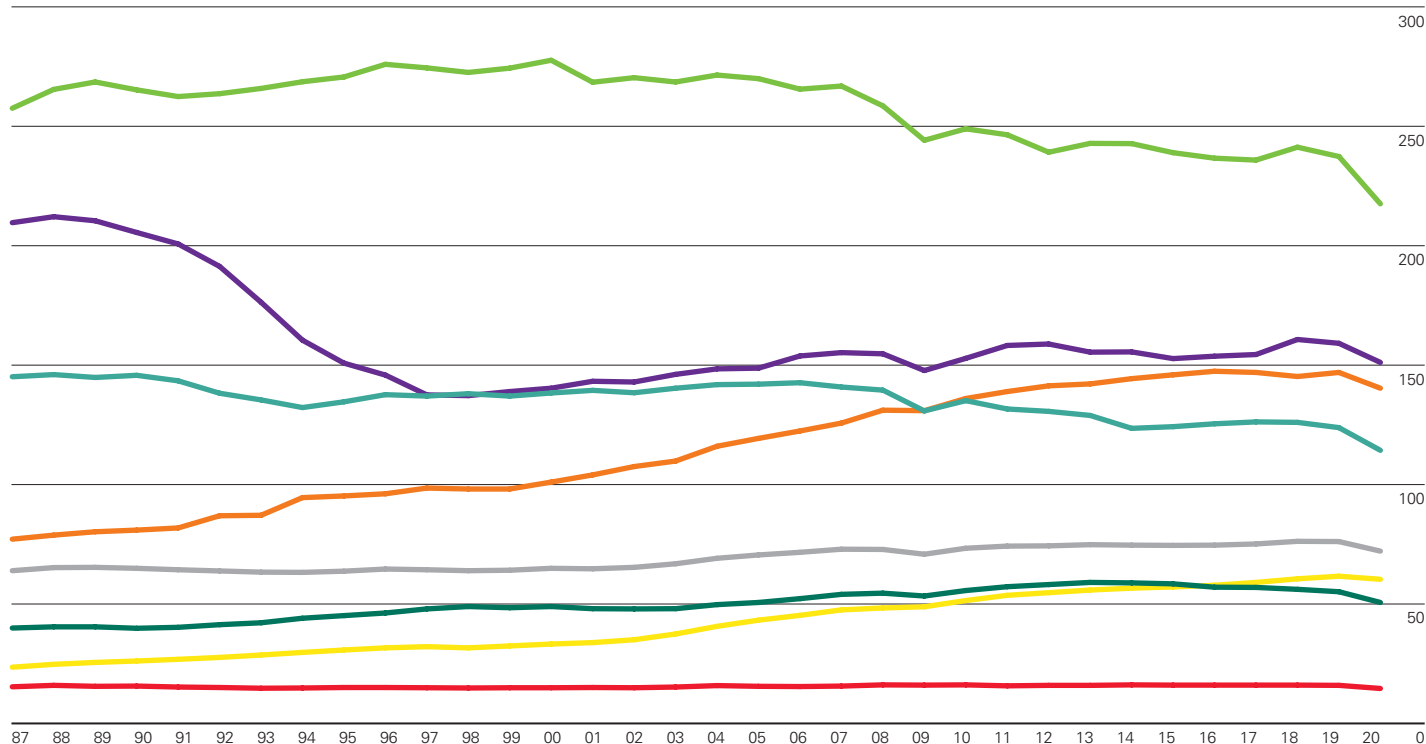
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Energy per capita by region

Gigajoules per head

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

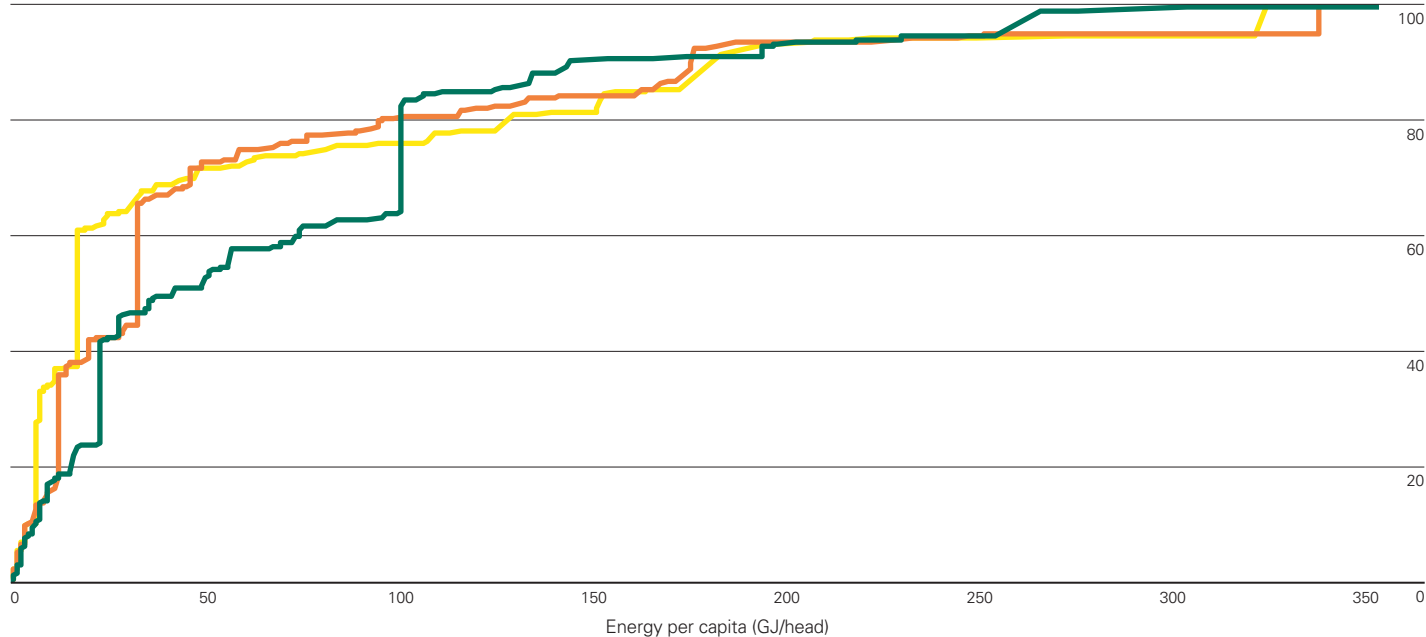


Average global energy consumption per capita decreased by 5.5% in 2020 to 71.4 GJ/head, driven by declines in North America (-8.6%) and Europe (-8%). Energy demand per head fell in all other regions. North America is the region with the highest consumption per capita (217 GJ/head), followed by CIS (150 GJ/head) and the Middle East (140 GJ/head). Africa remains the region with the lowest average consumption (14 GJ/head).

Energy per capita: Distribution across countries

2020
2000
1980

Cumulative share of world population %



In 2020 63.7% of the global population lived in countries where average energy demand per capita was less than 100 GJ/head, a significant decrease from 81% in 2000, as energy demand per capita in China increased to 101 GJ/head from 99 GJ/head in 2000. The share of the global population consuming less than 75 GJ/head increased from 57% in 2000 to 60.6% last year.