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Statistical Review of World Energy

2020 | 69th edition



① Primary energy

Consumption*

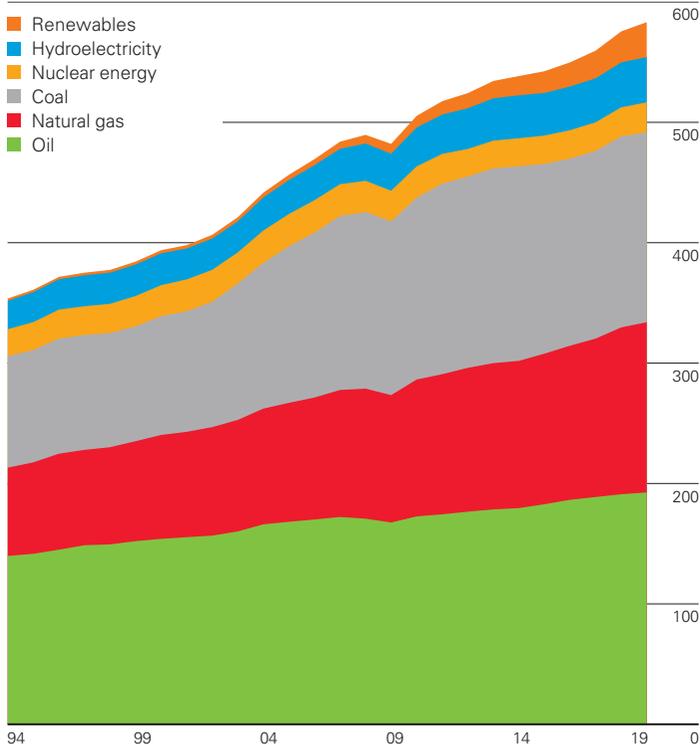
Exajoules	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2019
												2019	2008-18	
Canada	12.74	13.01	13.61	13.47	13.88	14.03	13.99	13.94	14.11	14.35	14.21	-0.9%	0.6%	2.4%
Mexico	7.10	7.31	7.66	7.71	7.74	7.70	7.69	7.79	7.90	7.83	7.72	-1.4%	0.9%	1.3%
US	89.92	92.97	92.09	89.69	92.10	93.05	92.15	92.02	92.33	95.60	94.65	-1.0%	0.1%	16.2%
Total North America	109.76	113.29	113.35	110.86	113.72	114.78	113.83	113.74	114.34	117.79	116.58	-1.0%	0.2%	20.0%
Argentina	3.07	3.23	3.29	3.38	3.52	3.51	3.59	3.58	3.57	3.54	3.46	-2.2%	1.3%	0.6%
Brazil	9.98	10.98	11.48	11.69	12.13	12.40	12.23	11.92	12.06	12.13	12.40	2.2%	1.9%	2.1%
Chile	1.32	1.33	1.44	1.48	1.49	1.46	1.50	1.57	1.58	1.66	1.66	-0.3%	2.1%	0.3%
Colombia	1.33	1.42	1.49	1.59	1.61	1.70	1.71	1.81	1.84	1.85	1.92	3.9%	2.9%	0.3%
Ecuador	0.50	0.55	0.58	0.62	0.64	0.67	0.67	0.66	0.69	0.73	0.74	2.5%	3.6%	0.1%
Peru	0.71	0.80	0.91	0.92	0.94	0.96	1.02	1.09	1.09	1.14	1.16	1.8%	5.1%	0.2%
Trinidad & Tobago	0.78	0.84	0.83	0.81	0.83	0.82	0.80	0.71	0.75	0.71	0.71	*	-1.0%	0.1%
Venezuela	3.53	3.33	3.48	3.62	3.53	3.41	3.29	2.99	2.86	2.45	2.23	-9.3%	-3.6%	0.4%
Other S. & Cent. America	3.60	3.67	3.76	3.82	3.83	3.82	3.99	4.18	4.18	4.31	4.32	0.2%	1.5%	0.7%
Total S. & Cent. America	24.82	26.16	27.26	27.93	28.53	28.76	28.80	28.50	28.61	28.53	28.61	0.3%	1.3%	4.9%
Austria	1.43	1.48	1.39	1.45	1.44	1.38	1.39	1.43	1.47	1.44	1.50	4.3%	-0.3%	0.3%
Belgium	2.64	2.81	2.62	2.52	2.58	2.40	2.44	2.63	2.66	2.59	2.71	4.8%	-0.9%	0.5%
Czech Republic	1.76	1.84	1.80	1.78	1.75	1.71	1.68	1.66	1.73	1.73	1.71	-1.3%	-0.6%	0.3%
Finland	1.22	1.33	1.24	1.20	1.21	1.16	1.15	1.18	1.14	1.15	1.10	-4.3%	-1.4%	0.2%
France	10.34	10.65	10.24	10.22	10.31	9.87	9.92	9.76	9.70	9.87	9.68	-1.9%	-1.0%	1.7%
Germany	13.15	13.71	13.20	13.37	13.75	13.17	13.40	13.62	13.78	13.44	13.14	-2.2%	-0.4%	2.3%
Greece	1.43	1.36	1.33	1.26	1.19	1.12	1.13	1.11	1.17	1.16	1.15	-1.3%	-2.4%	0.2%
Hungary	0.97	0.99	0.99	0.91	0.87	0.87	0.92	0.93	0.98	0.98	0.99	1.0%	-0.7%	0.2%
Italy	7.07	7.28	7.12	6.92	6.59	6.23	6.37	6.43	6.49	6.53	6.37	-2.4%	-1.5%	1.1%
Netherlands	3.87	4.10	3.92	3.79	3.68	3.47	3.52	3.58	3.53	3.53	3.51	-0.4%	-1.1%	0.6%
Norway	1.80	1.74	1.76	1.95	1.82	1.87	1.89	1.91	1.92	1.90	1.77	-7.2%	-0.2%	0.3%
Poland	3.92	4.18	4.20	4.08	4.09	3.93	3.98	4.15	4.32	4.38	4.28	-2.4%	0.7%	0.7%
Portugal	1.03	1.08	1.03	0.94	1.03	1.03	1.03	1.08	1.07	1.08	1.04	-3.2%	0.5%	0.2%
Romania	1.41	1.42	1.46	1.40	1.31	1.35	1.36	1.36	1.38	1.41	1.37	-2.7%	-1.4%	0.2%
Spain	5.97	6.11	6.00	5.97	5.65	5.54	5.61	5.66	5.74	5.82	5.72	-1.7%	-1.0%	1.0%
Sweden	2.04	2.16	2.13	2.26	2.12	2.11	2.18	2.14	2.21	2.17	2.24	3.5%	-0.3%	0.4%
Switzerland	1.26	1.23	1.17	1.23	1.26	1.21	1.18	1.11	1.11	1.13	1.13	0.2%	-1.2%	0.2%
Turkey	4.28	4.50	4.81	5.11	5.07	5.23	5.72	6.01	6.37	6.29	6.49	3.2%	4.1%	1.1%
Ukraine	4.75	5.08	5.27	5.14	4.88	4.29	3.55	3.72	3.46	3.54	3.41	-3.9%	-4.5%	0.6%
United Kingdom	8.72	8.94	8.45	8.55	8.51	8.02	8.11	8.01	7.99	7.96	7.84	-1.6%	-1.4%	1.3%
Other Europe	6.48	6.71	6.55	6.27	6.33	6.12	6.25	6.41	6.53	6.66	6.67	0.1%	-0.3%	1.1%
Total Europe	85.55	88.69	86.66	86.32	85.43	82.10	82.77	83.90	84.76	84.76	83.82	-1.1%	-0.7%	14.4%
Azerbaijan	0.47	0.47	0.52	0.54	0.55	0.56	0.62	0.61	0.60	0.62	0.66	6.6%	1.4%	0.1%
Belarus	1.03	1.09	1.08	1.17	1.03	1.07	0.97	0.96	0.98	1.05	1.06	0.9%	-0.3%	0.2%
Kazakhstan	2.13	2.30	2.53	2.62	2.66	2.70	2.66	2.70	2.86	3.15	3.10	-1.7%	2.9%	0.5%
Russian Federation	26.92	27.99	28.92	28.98	28.61	28.71	28.14	28.76	28.87	30.04	29.81	-0.8%	0.6%	5.1%
Turkmenistan	0.83	0.90	1.00	1.09	0.97	1.00	1.20	1.19	1.17	1.31	1.45	10.1%	9.9%	0.2%
Uzbekistan	1.88	1.86	1.95	1.90	1.91	1.99	1.89	1.78	1.79	1.83	1.78	-2.5%	-0.2%	0.3%
Other CIS	0.65	0.67	0.71	0.74	0.71	0.72	0.72	0.75	0.81	0.81	0.83	2.8%	1.8%	0.1%
Total CIS	33.92	35.28	36.71	37.04	36.43	36.74	36.19	36.73	37.02	38.81	38.68	-0.3%	0.9%	6.6%
Iran	8.91	8.94	9.34	9.41	9.85	10.28	10.22	10.79	11.30	11.83	12.34	4.3%	3.2%	2.1%
Iraq	1.36	1.45	1.54	1.63	1.76	1.68	1.68	1.94	1.91	2.00	2.23	11.1%	5.1%	0.4%
Israel	0.94	0.99	1.02	1.06	0.98	0.97	1.02	1.04	1.08	1.09	1.13	3.7%	1.1%	0.2%
Kuwait	1.30	1.41	1.42	1.57	1.63	1.49	1.62	1.69	1.58	1.57	1.64	4.2%	2.4%	0.3%
Oman	0.73	0.86	0.94	1.03	1.15	1.14	1.21	1.21	1.34	1.49	1.51	1.9%	7.3%	0.3%
Qatar	1.04	1.21	1.40	1.59	1.71	1.84	2.05	2.00	1.92	1.99	2.02	1.6%	6.8%	0.3%
Saudi Arabia	8.13	8.92	9.20	9.76	9.80	10.50	10.83	10.98	11.01	10.91	11.04	1.2%	3.5%	1.9%
United Arab Emirates	3.35	3.51	3.70	3.89	4.09	4.08	4.48	4.66	4.72	4.80	4.83	0.6%	3.5%	0.8%
Other Middle East	2.45	2.45	2.31	2.19	2.09	2.07	1.93	1.93	1.97	1.93	2.04	6.0%	-2.4%	0.3%
Total Middle East	28.22	29.74	30.86	32.12	33.06	34.05	35.04	36.23	36.83	37.61	38.78	3.1%	3.2%	6.6%
Algeria	1.62	1.57	1.67	1.83	1.93	2.11	2.22	2.22	2.24	2.42	2.54	4.9%	4.7%	0.4%
Egypt	3.12	3.28	3.33	3.50	3.48	3.47	3.55	3.74	3.84	3.92	3.89	-0.8%	2.7%	0.7%
Morocco	0.63	0.70	0.73	0.75	0.77	0.78	0.79	0.80	0.84	0.86	0.95	9.8%	2.9%	0.2%
South Africa	5.24	5.29	5.21	5.14	5.15	5.22	5.05	5.30	5.25	5.30	5.40	2.0%	0.1%	0.9%
Other Africa	4.97	5.23	5.18	5.48	5.81	6.08	6.30	6.32	6.62	6.90	7.10	2.9%	3.5%	1.2%
Total Africa	15.57	16.07	16.13	16.69	17.14	17.66	17.91	18.38	18.79	19.39	19.87	2.5%	2.4%	3.4%
Australia	5.48	5.50	5.70	5.63	5.67	5.75	5.84	5.88	5.87	6.00	6.41	6.9%	0.8%	1.1%
Bangladesh	0.88	0.90	0.98	1.05	1.08	1.13	1.32	1.34	1.39	1.48	1.76	18.6%	6.3%	0.3%
China	97.52	104.28	112.54	117.05	121.37	124.20	125.38	126.95	130.83	135.77	141.70	4.4%	3.8%	24.3%
China Hong Kong SAR	1.11	1.16	1.19	1.14	1.17	1.14	1.18	1.21	1.29	1.30	1.24	-4.7%	2.5%	0.2%
India	21.52	22.55	23.88	25.11	26.08	27.86	28.77	30.07	31.33	33.30	34.06	2.3%	5.2%	5.8%
Indonesia	5.76	6.32	6.90	7.27	7.57	7.09	7.10	7.30	7.57	8.23	8.91	8.3%	4.0%	1.5%
Japan	19.83	21.13	20.06	19.92	19.75	19.24	18.97	18.65	18.89	18.84	18.67	-0.9%	-1.4%	3.2%
Malaysia	3.25	3.35	3.47	3.73	3.90	3.94	4.00	4.21	4.27	4.21	4.26	1.3%	2.3%	0.7%
New Zealand	0.81	0.83	0.83	0.84	0.84	0.88	0.89	0.89	0.91	0.90	0.92	2.0%	1.0%	0.2%
Pakistan	2.64	2.65	2.65	2.47	2.88	2.77	2.92	3.19	3.37	3.48	3.56	2.4%	2.9%	0.6%
Philippines	1.18	1.22	1.24	1.28	1.38	1.45	1.59	1.73	1.90	1.96	2.02	3.5%	5.3%	0.3%
Singapore	2.67	2.87	2.99	3.00	3.06	3.15	3.35	3.48	3.59	3.61	3.55	-1.5%	3.8%	0.6%
South Korea	10.16	10.94	11.43	11.54	11.55	11.64	11.87	12.16	12.37	12.55	12.37	-1.4%	2.2%	2.1%
Sri Lanka	0.22	0.24	0.25	0.25	0.25	0.23	0.29	0.31	0.33	0.35	0.36	2.8%	5.0%	0.1%
Taiwan	4.42	4.66	4.61	4.61	4.71	4.82	4.77	4.85	4.87	4.93	4.81	-2.4%	0.9%	0.8%
Thailand	4.13	4.39	4.56	4.87	4.95	5.09	5.25	5.36	5.45	5.60	5.61	0.3%	3.5%	1.0%
Vietnam	1.65	1.87	2.13	2.24	2.39	2.61	2.90	3.11	3.32	3.72	4.12	10.7%	8.7%	0.7%
Other Asia Pacific	1.76	1.94	1.93	2.02	1.99	2.16	2.25	2.44	2.50	3.14	3.22	2.6%	5.0%	0.6%
Total Asia Pacific	184.99	196.80	207.33	214.02	220.60	225.15	228.63	233.13	240.07	249.35	257.56	3.3%	3.3%	44.1%
Total World	482.82	506.02	518.31	524.98	534.91	539.25	543.17	550.60	560.42	576.23	583.90	1.3%	1.6%	100.0%
of which: OECD	224.69	233.04	230.63	228.16	230.26	228.31	228.75	229.64	231.84	235.39	233.43 </			

Primary energy: Consumption by fuel*

Exajoules	2018							2019						
	Oil	Natural gas	Coal	Nuclear energy	Hydro-electricity	Renewables	Total	Oil	Natural gas	Coal	Nuclear energy	Hydro-electricity	Renewables	Total
Canada	4.59	4.26	0.65	0.90	3.45	0.50	14.35	4.50	4.33	0.56	0.90	3.41	0.52	14.21
Mexico	3.48	3.15	0.57	0.12	0.29	0.22	7.83	3.29	3.26	0.51	0.10	0.21	0.35	7.72
US	37.11	29.52	13.28	7.60	2.59	5.50	95.60	36.99	30.48	11.34	7.60	2.42	5.83	94.65
Total North America	45.18	36.93	14.50	8.62	6.33	6.22	117.79	44.78	38.07	12.41	8.59	6.03	6.70	116.58
Argentina	1.20	1.75	0.05	0.06	0.37	0.10	3.54	1.19	1.71	0.02	0.08	0.33	0.14	3.46
Brazil	4.69	1.29	0.70	0.14	3.48	1.83	12.13	4.73	1.29	0.66	0.14	3.56	2.02	12.40
Chile	0.75	0.23	0.31	-	0.21	0.16	1.66	0.76	0.23	0.28	-	0.19	0.19	1.66
Colombia	0.69	0.48	0.16	-	0.51	0.02	1.85	0.70	0.48	0.26	-	0.46	0.02	1.92
Ecuador	0.51	0.03	-	-	0.19	0.01	0.73	0.49	0.02	-	-	0.22	0.01	0.74
Peru	0.50	0.29	0.03	-	0.28	0.05	1.14	0.51	0.30	0.02	-	0.28	0.05	1.16
Trinidad & Tobago	0.09	0.63	-	-	-	+	0.71	0.08	0.63	-	-	-	+	0.71
Venezuela	0.80	1.14	+	-	0.51	+	2.45	0.71	0.95	+	-	0.56	+	2.23
Other S. & Cent. America	2.68	0.29	0.18	-	0.89	0.27	4.31	2.69	0.33	0.24	-	0.77	0.29	4.32
Total S. & Cent. America	11.92	6.12	1.43	0.20	6.43	2.44	28.53	11.86	5.95	1.48	0.22	6.37	2.73	28.61
Austria	0.54	0.31	0.12	-	0.34	0.13	1.44	0.55	0.32	0.13	-	0.36	0.14	1.50
Belgium	1.42	0.61	0.13	0.26	+	0.17	2.59	1.38	0.63	0.13	0.39	+	0.19	2.71
Czech Republic	0.43	0.29	0.65	0.27	0.01	0.08	1.73	0.43	0.30	0.60	0.27	0.02	0.08	1.71
Finland	0.41	0.08	0.18	0.20	0.12	0.18	1.15	0.39	0.07	0.15	0.20	0.11	0.18	1.10
France	3.17	1.54	0.35	3.70	0.57	0.54	9.87	3.15	1.56	0.27	3.56	0.52	0.61	9.68
Germany	4.63	3.09	2.90	0.68	0.16	1.97	13.44	4.68	3.19	2.30	0.67	0.18	2.12	13.14
Greece	0.65	0.17	0.19	-	0.05	0.10	1.16	0.68	0.19	0.14	-	0.04	0.11	1.15
Hungary	0.37	0.35	0.09	0.14	+	0.04	0.98	0.37	0.35	0.08	0.15	+	0.05	0.99
Italy	2.60	2.49	0.37	-	0.42	0.64	6.53	2.49	2.55	0.30	-	0.40	0.64	6.37
Netherlands	1.68	1.27	0.34	0.03	+	0.19	3.53	1.65	1.33	0.27	0.03	+	0.23	3.51
Norway	0.41	0.16	0.03	-	1.24	0.05	1.90	0.39	0.16	0.03	-	1.12	0.07	1.77
Poland	1.33	0.72	2.08	-	0.04	0.21	4.38	1.34	0.73	1.91	-	0.04	0.25	4.28
Portugal	0.48	0.21	0.11	-	0.11	0.16	1.08	0.51	0.22	0.06	-	0.08	0.18	1.04
Romania	0.43	0.42	0.21	0.10	0.16	0.09	1.41	0.45	0.39	0.19	0.10	0.14	0.10	1.37
Spain	2.72	1.13	0.46	0.50	0.31	0.70	5.82	2.72	1.30	0.21	0.52	0.22	0.75	5.72
Sweden	0.56	0.04	0.08	0.61	0.56	0.32	2.17	0.57	0.04	0.08	0.60	0.59	0.36	2.24
Switzerland	0.43	0.12	+	0.22	0.31	0.04	1.13	0.44	0.12	+	0.21	0.31	0.04	1.13
Turkey	2.00	1.70	1.71	-	0.54	0.34	6.29	2.03	1.56	1.70	-	0.79	0.41	6.49
Ukraine	0.41	1.10	1.15	0.76	0.09	0.02	3.54	0.44	1.02	1.10	0.74	0.06	0.05	3.41
United Kingdom	3.17	2.85	0.32	0.58	0.05	0.99	7.96	3.11	2.84	0.26	0.50	0.05	1.08	7.84
Other Europe	2.61	1.09	1.41	0.33	0.70	0.51	6.66	2.63	1.08	1.43	0.34	0.62	0.56	6.67
Total Europe	30.46	19.73	12.92	8.37	5.79	7.50	84.76	30.40	19.95	11.35	8.28	5.66	8.18	83.82
Azerbaijan	0.21	0.39	+	-	0.02	+	0.62	0.21	0.42	+	-	0.01	+	0.66
Belarus	0.31	0.70	0.04	-	+	+	1.05	0.32	0.69	0.04	-	+	+	1.06
Kazakhstan	0.67	0.68	1.70	-	0.09	+	3.15	0.69	0.64	1.67	-	0.09	0.01	3.10
Russian Federation	6.50	16.36	3.63	1.83	1.71	0.01	30.04	6.57	16.00	3.63	1.86	1.73	0.02	29.81
Turkmenistan	0.29	1.02	-	-	+	+	1.31	0.31	1.14	-	-	+	+	1.45
Uzbekistan	0.09	1.60	0.09	-	0.05	+	1.83	0.09	1.56	0.07	-	0.06	+	1.78
Other CIS	0.18	0.21	0.09	0.02	0.32	+	0.81	0.18	0.20	0.12	0.02	0.32	+	0.83
Total CIS	8.24	20.96	5.54	1.85	2.19	0.02	38.81	8.37	20.65	5.53	1.88	2.21	0.03	38.68
Iran	3.54	8.07	0.06	0.06	0.10	+	11.83	3.92	8.05	0.05	0.06	0.26	+	12.34
Iraq	1.46	0.53	-	-	0.02	+	2.00	1.49	0.72	-	-	0.02	+	2.23
Israel	0.49	0.38	0.20	-	+	0.02	1.09	0.50	0.39	0.21	-	+	0.03	1.13
Kuwait	0.80	0.76	0.01	-	-	+	1.57	0.78	0.85	0.01	-	-	+	1.64
Oman	0.58	0.90	+	-	-	+	1.49	0.61	0.90	0.01	-	-	+	1.51
Qatar	0.50	1.49	-	-	-	+	1.99	0.54	1.48	-	-	-	+	2.02
Saudi Arabia	6.86	4.04	+	-	-	+	10.91	6.92	4.09	+	-	-	0.02	11.04
United Arab Emirates	2.01	2.68	0.10	-	-	0.01	4.80	1.95	2.74	0.10	-	-	0.04	4.83
Other Middle East	1.06	0.81	0.02	-	0.01	0.03	1.93	1.08	0.89	0.02	-	0.02	0.03	2.04
Total Middle East	17.31	19.65	0.39	0.06	0.13	0.07	37.61	17.80	20.10	0.40	0.06	0.30	0.12	38.78
Algeria	0.83	1.56	0.02	-	+	0.01	2.42	0.88	1.63	0.02	-	+	0.01	2.54
Egypt	1.53	2.15	0.09	-	0.12	0.03	3.92	1.50	2.12	0.08	-	0.12	0.06	3.89
Morocco	0.55	0.04	0.22	-	0.02	0.04	0.86	0.57	0.04	0.28	-	0.01	0.06	0.95
South Africa	1.16	0.16	3.76	0.10	0.01	0.11	5.30	1.18	0.15	3.81	0.13	0.01	0.12	5.40
Other Africa	4.01	1.45	0.32	-	1.02	0.10	6.90	4.14	1.46	0.28	-	1.04	0.17	7.10
Total Africa	8.07	5.36	4.41	0.10	1.17	0.29	19.39	8.28	5.40	4.47	0.13	1.18	0.41	19.87
Australia	2.16	1.49	1.84	-	0.16	0.35	6.00	2.14	1.93	1.78	-	0.13	0.42	6.41
Bangladesh	0.38	0.99	0.10	-	0.01	+	1.48	0.37	1.24	0.14	-	0.01	+	1.76
China	26.58	10.19	79.83	2.64	10.73	5.81	135.77	27.91	11.06	81.67	3.11	11.32	6.63	141.70
China Hong Kong SAR	0.93	0.11	0.26	-	-	+	1.30	0.87	0.11	0.26	-	-	+	1.24
India	9.95	2.09	18.56	0.35	1.25	1.10	33.30	10.24	2.15	18.62	0.40	1.44	1.21	34.06
Indonesia	3.38	1.60	2.84	-	0.15	0.25	8.23	3.38	1.58	3.41	-	0.15	0.39	8.91
Japan	7.63	4.17	4.99	0.44	0.72	0.89	18.84	7.53	3.89	4.91	0.59	0.66	1.10	18.67
Malaysia	1.54	1.48	0.93	-	0.24	0.03	4.21	1.57	1.52	0.90	-	0.24	0.03	4.26
New Zealand	0.36	0.16	0.05	-	0.24	0.09	0.90	0.36	0.17	0.06	-	0.23	0.10	0.92
Pakistan	1.02	1.57	0.50	0.09	0.26	0.05	3.48	0.90	1.64	0.55	0.08	0.32	0.06	3.56
Philippines	0.89	0.15	0.68	-	0.08	0.15	1.96	0.91	0.15	0.73	-	0.09	0.15	2.02
Singapore	3.13	0.44	0.02	-	-	0.01	3.61	3.06	0.46	0.03	-	-	0.01	3.55
South Korea	5.37	2.08	3.63	1.19	0.03	0.24	12.55	5.30	2.01	3.44	1.30	0.02	0.29	12.37
Sri Lanka	0.23	-	0.06	-	0.06	0.01	0.35	0.25	-	0.06	-	0.04	0.01	0.36
Taiwan	2.04	0.85	1.70	0.25	0.04	0.06	4.93	1.93	0.84	1.63	0.29	0.05	0.07	4.81
Thailand	2.68	1.80	0.80	-	0.07	0.24	5.60	2.72	1.83	0.71	-	0.06	0.29	5.61
Vietnam	1.02	0.35	1.59	-	0.76	+	3.72	1.07	0.35	2.07	-	0.58	0.04	4.12
Other Asia Pacific	0.97	0.41	1.23	-	0.53	0.01	3.14	1.03	0.37	1.25	-	0.56	0.01	3.22
Total Asia Pacific	70.27	29.92	119.62	4.96	15.31	9.29	249.35	71.54	31.32	122.22	5.77	15.90	10.81	257.56
Total World	191.45	138.66												

World consumption

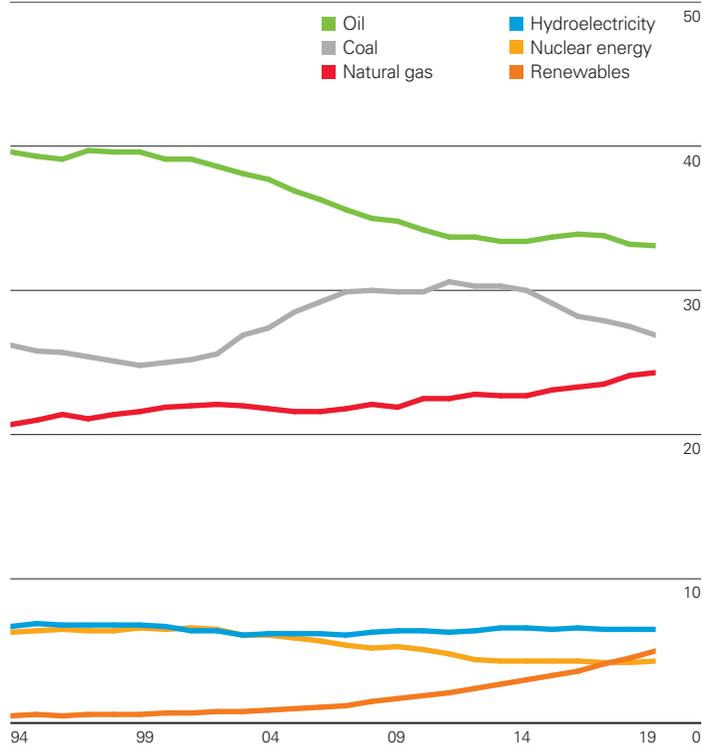
Exajoules



Primary energy consumption rose by 1.3% last year, less than half its rate in 2018 (2.8%). Growth was driven by renewables (3.2 EJ) and natural gas (2.8 EJ), which together contributed three quarters of the increase. All fuels grew at a slower rate than their 10-year averages, apart from nuclear, with coal consumption falling for the fourth time in six years (-0.9 EJ). By region, consumption fell in North America, Europe and CIS and growth was below average in South & Central America. In the other regions, growth was roughly in line with historical averages. China was the biggest individual driver of primary energy growth, accounting for more than three quarters of net global growth.

Shares of global primary energy

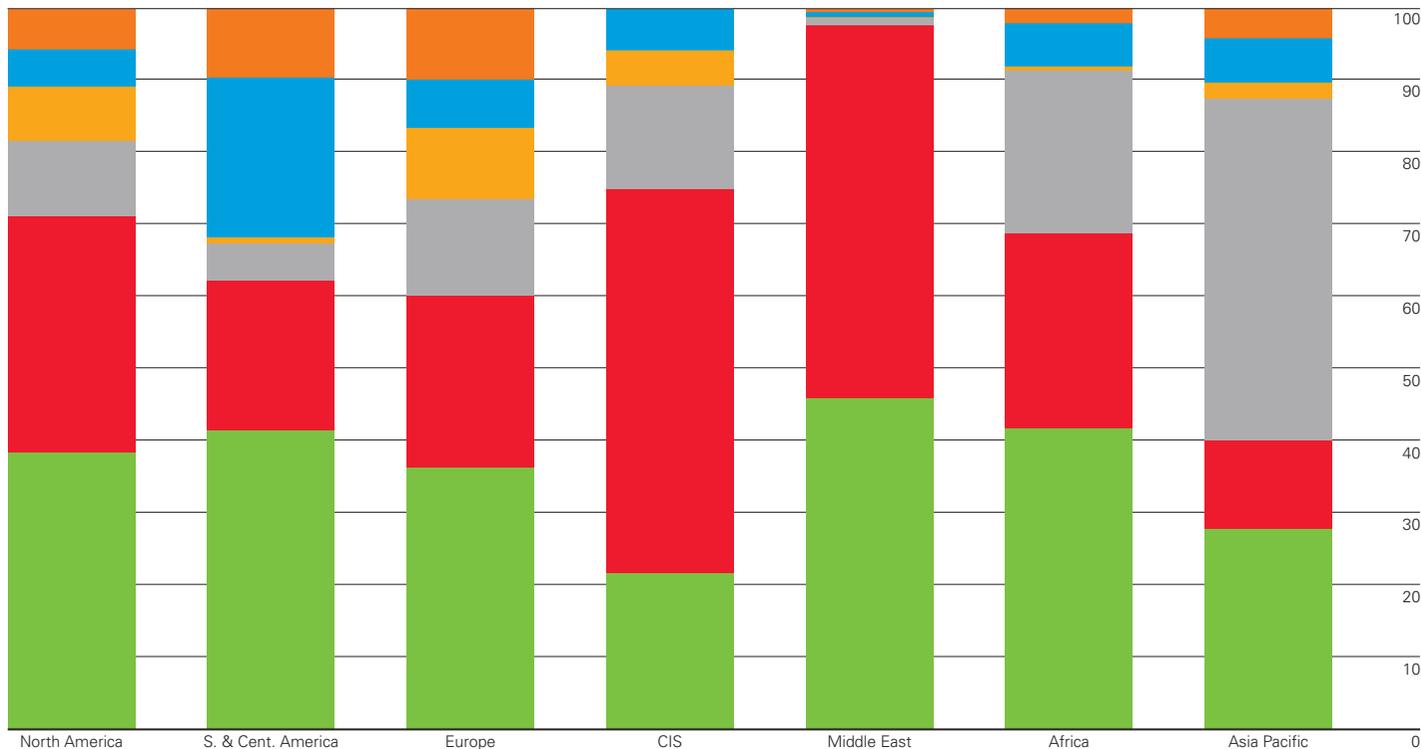
Percentage



Oil continues to hold the largest share of the energy mix (33.1%). Coal is the second largest fuel but lost share in 2019 to account for 27.0%, its lowest level since 2003. The share of both natural gas and renewables rose to record highs of 24.2% and 5.0% respectively. Renewables has now overtaken nuclear which makes up only 4.3% of the energy mix. The share of hydroelectricity has been stable at around 6% for several years.

Regional consumption pattern 2019

Percentage



Oil remains the dominant fuel in Africa, Europe and the Americas, while natural gas dominates in CIS and the Middle East, accounting for more than half of the energy mix in both regions. Coal is the dominant fuel in the Asia Pacific region. In 2019 coal's share of primary energy fell to its lowest level in our data series in North America and Europe.

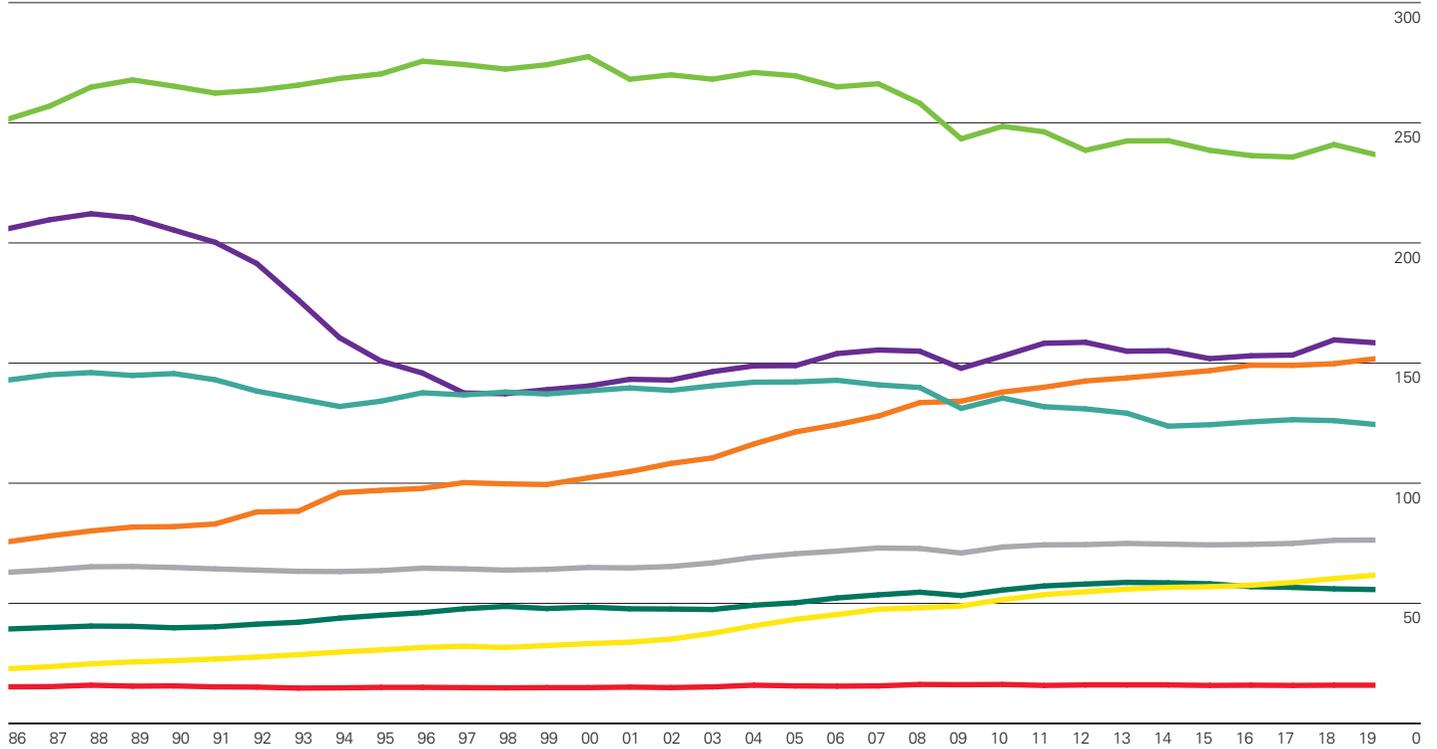
Primary energy: Consumption per capita*

Gigajoules per capita												Growth rate per annum	
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019	2008-18
Canada	377.4	380.9	393.9	385.7	393.3	393.4	388.4	383.1	384.1	387.0	379.9	-1.8%	-0.4%
Mexico	63.1	64.1	66.2	65.7	65.1	64.0	63.1	63.1	63.3	62.1	60.5	-2.5%	-0.4%
US	293.6	300.9	295.5	285.6	291.1	292.0	287.2	284.9	284.0	292.3	287.6	-1.6%	-0.6%
Total North America	242.6	247.8	245.5	237.8	241.7	241.8	237.8	235.6	235.0	240.2	236.0	-1.8%	-0.7%
Argentina	75.8	78.9	79.6	81.0	83.5	82.2	83.2	82.2	81.2	79.8	77.3	-3.1%	0.2%
Brazil	51.5	56.1	58.1	58.7	60.3	61.2	59.8	57.8	58.0	57.9	58.8	1.5%	1.0%
Chile	78.3	77.9	83.8	84.9	84.9	82.4	83.2	86.2	85.5	88.7	87.4	-1.5%	0.9%
Colombia	29.7	31.5	32.6	34.6	34.7	36.2	36.0	37.5	37.6	37.3	38.2	2.5%	1.7%
Ecuador	33.6	36.8	38.4	39.9	40.6	42.0	41.2	40.2	41.0	42.5	42.8	0.8%	2.0%
Peru	24.7	27.6	30.9	31.1	31.5	31.9	33.5	35.1	34.6	35.7	35.7	0.2%	3.9%
Trinidad & Tobago	589.9	633.9	618.8	605.3	612.4	605.4	584.0	515.4	544.4	513.3	511.6	-0.3%	-1.5%
Venezuela	125.9	117.0	120.5	123.4	118.6	113.7	109.5	100.1	97.1	85.0	78.1	-8.1%	-4.0%
Other S. & Cent. America	34.8	35.1	35.5	35.6	35.4	34.8	36.0	37.3	36.9	37.6	37.3	-0.8%	0.4%
Total S. & Cent. America	52.5	54.8	56.5	57.3	58.0	57.8	57.4	56.2	55.9	55.3	55.0	-0.6%	0.3%
Austria	171.0	176.0	163.9	171.0	168.8	160.7	159.7	163.7	166.3	161.7	167.5	3.6%	-0.9%
Belgium	242.9	256.8	237.7	226.9	231.3	214.3	216.1	231.4	232.7	225.4	235.1	4.3%	-1.5%
Czech Republic	168.1	174.3	170.0	168.7	165.3	161.6	158.6	155.9	162.6	161.9	159.5	-1.5%	-0.9%
Finland	228.9	247.8	229.6	221.3	221.7	212.7	210.1	214.7	207.2	207.7	198.4	-4.5%	-1.7%
France	165.4	169.4	162.0	160.9	161.4	153.8	154.0	151.0	149.6	151.9	148.6	-2.2%	-1.5%
Germany	162.6	169.6	163.3	165.1	169.3	161.6	163.8	165.7	166.8	161.7	157.3	-2.7%	-0.7%
Greece	130.6	125.1	122.5	116.4	117.0	104.5	105.7	104.4	110.4	110.4	109.4	-0.9%	-1.9%
Hungary	97.5	99.8	99.6	92.8	88.4	88.9	93.6	95.4	100.4	101.3	102.6	1.2%	-0.4%
Italy	119.6	122.8	119.4	115.6	109.6	103.1	105.1	106.0	107.0	107.7	105.3	-2.3%	-1.8%
Netherlands	232.7	245.5	234.2	225.8	218.4	205.7	207.6	210.8	207.4	206.7	205.4	-0.6%	-1.4%
Norway	372.5	355.6	354.9	388.0	358.4	363.6	364.3	364.6	362.9	356.7	328.5	-7.9%	-1.3%
Poland	102.3	109.1	109.8	106.6	107.1	103.3	104.5	109.3	113.7	115.6	112.9	-2.3%	0.9%
Portugal	96.9	101.7	97.3	89.3	98.1	99.3	99.2	104.9	104.4	105.0	102.0	-2.9%	0.9%
Romania	68.4	69.4	71.7	69.4	64.8	67.5	68.2	68.6	70.4	72.2	70.8	-2.0%	-0.7%
Spain	128.1	130.2	127.4	126.7	120.3	118.4	120.3	121.5	123.0	124.6	122.4	-1.8%	-1.2%
Sweden	218.8	230.0	225.3	236.8	220.5	217.8	222.8	217.7	223.1	217.3	223.4	2.8%	-1.0%
Switzerland	163.7	157.4	147.6	153.8	155.9	146.8	142.0	132.3	131.4	132.3	131.5	-0.6%	-2.3%
Turkey	60.0	62.2	65.5	68.4	66.7	67.7	72.9	75.3	78.6	76.4	77.8	1.9%	2.5%
Ukraine	103.3	110.9	115.6	113.1	107.7	95.1	79.0	83.2	77.7	80.1	77.4	-3.3%	-4.1%
United Kingdom	138.8	140.8	132.0	132.6	131.0	122.6	123.1	120.9	119.8	118.6	116.1	-2.1%	-2.2%
Other Europe	103.0	106.8	104.5	100.2	101.5	98.4	100.7	103.4	105.5	107.7	108.0	0.2%	-0.1%
Total Europe	130.4	134.7	131.1	130.2	128.4	123.0	123.6	124.8	125.7	125.3	123.6	-1.4%	-1.0%
Azerbaijan	53.2	51.9	57.0	58.0	58.8	59.2	64.0	62.6	60.7	61.9	65.3	5.5%	0.1%
Belarus	108.8	115.6	115.1	124.3	109.5	113.0	102.6	102.0	104.0	110.9	111.9	0.9%	-0.3%
Kazakhstan	132.9	141.4	153.5	156.6	156.0	155.8	151.5	151.6	158.0	172.1	167.1	-2.9%	1.5%
Russian Federation	187.8	195.1	201.2	201.3	198.2	198.4	194.1	198.0	198.4	206.1	204.3	-0.9%	0.4%
Turkmenistan	166.5	176.6	192.7	206.4	180.0	183.1	215.3	209.5	203.9	224.6	243.6	8.4%	8.0%
Uzbekistan	66.8	65.3	67.3	64.6	63.8	65.3	61.1	56.6	56.0	56.3	54.1	-4.0%	-1.8%
Other CIS	33.2	33.4	35.3	36.2	34.0	34.3	33.6	33.3	34.0	36.2	36.7	1.4%	0.4%
Total CIS	147.1	152.2	157.5	157.9	154.2	154.4	151.1	152.3	152.6	158.9	157.5	-0.9%	0.3%
Iran	122.1	121.1	125.1	124.6	128.8	132.7	130.2	135.7	140.1	144.6	148.9	2.9%	1.9%
Iraq	47.1	48.9	50.0	51.2	53.1	48.9	47.2	53.0	50.9	52.2	56.6	8.6%	1.9%
Israel	130.2	135.1	135.6	139.3	127.3	123.2	127.9	128.0	131.6	129.6	132.2	2.0%	-0.7%
Kuwait	461.0	471.4	446.7	469.5	462.2	405.0	422.9	426.0	388.9	379.9	389.2	2.5%	-2.1%
Oman	255.5	283.9	290.2	293.2	304.4	283.3	282.5	270.1	287.8	307.8	304.3	-1.1%	1.4%
Qatar	628.3	651.6	687.6	723.5	731.3	746.5	798.0	751.7	705.6	715.8	714.3	-0.2%	♦
Saudi Arabia	305.4	325.2	325.6	334.7	326.0	339.7	341.6	338.3	332.5	323.7	322.0	-0.5%	0.8%
United Arab Emirates	422.8	410.3	413.5	425.0	445.2	442.4	484.2	497.6	497.1	498.5	494.4	-0.8%	0.4%
Other Middle East	40.5	39.4	36.6	34.1	32.3	31.6	29.2	28.8	29.0	28.0	29.2	4.3%	-3.9%
Total Middle East	133.4	137.2	139.2	141.8	143.1	144.6	146.1	148.4	148.4	149.0	151.1	1.4%	1.2%
Algeria	45.7	43.8	45.6	48.9	50.7	54.2	56.0	54.8	54.2	57.3	59.0	2.9%	2.7%
Egypt	38.5	39.7	39.4	40.5	39.3	38.4	38.4	39.6	39.9	39.8	38.7	-2.7%	0.5%
Morocco	19.7	21.6	22.4	22.4	22.7	22.7	22.8	22.7	23.5	24.0	26.0	8.5%	1.6%
South Africa	103.7	103.3	100.3	97.2	96.0	95.7	91.1	94.3	92.1	91.6	92.2	0.7%	-1.4%
Other Africa	6.1	6.2	6.0	6.2	6.4	6.5	6.6	6.4	6.5	6.6	6.6	0.2%	0.7%
Total Africa	15.4	15.5	15.1	15.3	15.3	15.3	15.1	15.2	15.1	15.2	15.2	-0.1%	-0.2%
Australia	251.8	248.1	252.7	245.7	243.8	243.7	243.9	242.5	238.8	240.8	254.3	5.6%	-0.7%
Bangladesh	6.0	6.1	6.6	6.9	7.1	7.3	8.5	8.5	8.7	9.2	10.8	17.4%	5.2%
China	71.6	76.2	81.8	84.6	87.2	88.7	89.1	89.8	92.1	95.1	98.8	3.9%	3.3%
China Hong Kong SAR	160.6	166.0	169.2	161.7	165.1	160.3	163.6	166.6	177.1	176.6	166.9	-5.5%	1.8%
India	17.7	18.3	19.1	19.8	20.4	21.5	22.0	22.7	23.4	24.6	24.9	1.2%	4.0%
Indonesia	24.1	26.1	28.1	29.3	30.1	27.8	27.5	27.9	28.6	30.7	32.9	7.2%	2.7%
Japan	154.3	164.4	156.1	155.1	153.9	150.1	148.2	146.0	148.2	148.1	147.2	-0.6%	-1.3%
Malaysia	117.2	118.8	121.1	128.2	132.4	131.9	132.0	137.1	137.4	133.5	133.4	♦	0.8%
New Zealand	187.9	190.0	188.6	187.5	186.1	192.8	192.7	192.0	192.7	189.3	191.6	1.2%	-0.1%
Pakistan	15.0	14.8	14.4	13.2	15.1	14.2	14.7	15.7	16.2	16.4	16.4	0.3%	0.8%
Philippines	12.8	13.0	13.0	13.2	13.9	14.4	15.6	16.7	18.1	18.3	18.7	2.1%	3.6%
Singapore	537.9	559.5	567.1	558.3	561.8	570.4	599.4	615.2	628.7	626.2	611.6	-2.3%	1.9%
South Korea	205.9	220.8	229.7	230.5	229.4	230.0	233.6	238.5	242.1	245.2	241.5	-1.5%	1.8%
Sri Lanka	11.0	11.7	12.2	12.2	12.3	11.0	13.9	14.7	15.5	16.4	16.8	2.4%	4.4%
Taiwan	191.1	201.0	198.1	197.6	201.2	205.2	202.4	205.3	205.6	207.8	202.3	-2.6%	0.6%
Thailand	61.7	65.3	67.5	71.8	72.7	74.3	76.3	77.7	78.8	80.7	80.6	♦	3.0%
Vietnam	18.9	21.3	24.0	24.9	26.3	28.5	31.2	33.2	35.1	38.9	42.7	9.6%	7.6%
Other Asia Pacific	10.6												

Energy per capita by region

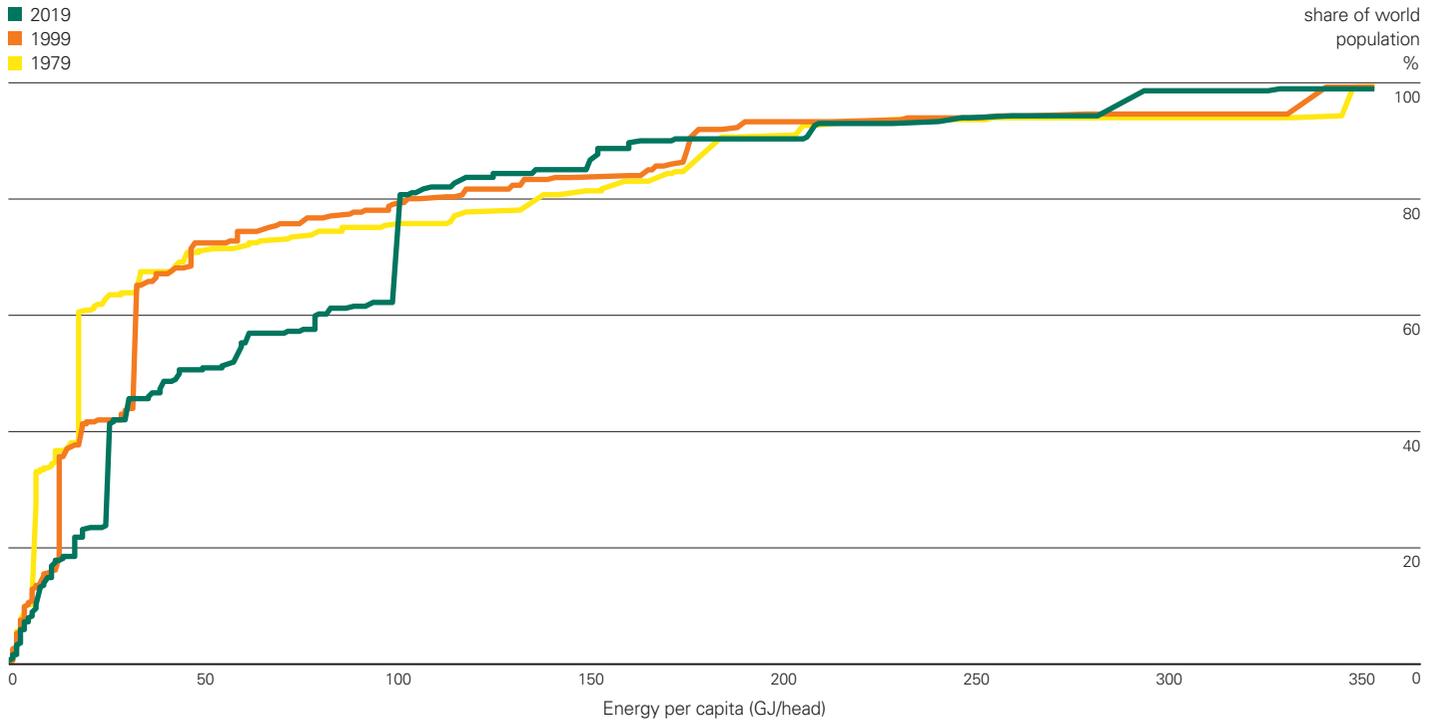
Gigajoules per head

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



Average global energy consumption per capita increased by only 0.2% in 2019 to 75.7 GJ/head, driven by growth in the Middle East (1.4%) and Asia Pacific (2.4%). Energy demand per head fell in all other regions. North America is the region with the highest consumption per capita (236 GJ/head), followed by CIS (158 GJ/head) and the Middle East (151 GJ/head). Africa remains the region with the lowest average consumption (15 GJ/head).

Energy per capita: Distribution across countries



In 2019 81% of the global population lived in countries where average energy demand per capita was less than 100 GJ/head, two percentage points more than 20 years ago. However, the share of the global population consuming less than 75 GJ/head declined from 76% in 1999 to 57% last year. Average energy demand per capita in China increased from 17 GJ/head in 1979 to 99 GJ/head in 2019.