

Table F1 World Primary Energy Production (Btu), 1990 - 1999
(Quadrillion (10¹⁵) Btu)

Region Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999 ¹
North America										
Canada.....	13.40	13.94	14.48	15.40	16.36	16.85	17.31	17.63	17.58	17.71
Mexico.....	7.71	8.01	8.01	8.11	8.10	8.04	8.74	9.07	9.31	9.03
United States.....	70.85	70.51	70.06	68.36	70.83	71.29	72.58	72.53	72.55	72.28
Total.....	91.96	92.47	92.55	91.88	95.29	96.17	98.64	99.23	99.44	99.02
Central & South America										
Argentina.....	2.04	2.14	2.33	2.54	2.76	2.98	3.09	3.36	3.48	3.43
Bolivia.....	0.17	0.17	0.18	0.17	0.18	0.20	0.20	0.20	0.21	0.18
Brazil.....	3.79	3.94	4.01	4.15	4.31	4.51	4.87	5.14	5.56	6.11
Chile.....	0.31	0.30	0.33	0.33	0.33	0.33	0.33	0.34	0.28	0.27
Colombia.....	1.93	1.87	1.90	1.99	2.01	2.41	2.61	2.85	3.07	3.21
Ecuador.....	0.68	0.71	0.76	0.83	0.88	0.93	0.95	0.93	0.90	0.90
Paraguay.....	0.28	0.30	0.28	0.32	0.37	0.43	0.50	0.52	0.52	0.54
Peru.....	0.41	0.38	0.37	0.43	0.44	0.45	0.43	0.40	0.41	0.39
Trinidad and Tobago.....	0.52	0.55	0.51	0.53	0.55	0.57	0.60	0.62	0.61	0.71
Venezuela.....	6.31	6.96	6.96	7.27	7.70	8.08	8.64	9.51	9.41	8.69
Other.....	0.31	0.30	0.34	0.35	0.38	0.37	0.39	0.43	0.48	0.47
Total.....	16.74	17.63	17.98	18.92	19.93	21.27	22.59	24.29	24.92	24.91
Western Europe										
Austria.....	0.46	0.47	0.50	0.51	0.49	0.52	0.49	0.50	0.52	0.55
Belgium.....	0.48	0.47	0.46	0.44	0.43	0.43	0.45	0.49	0.48	0.50
Denmark.....	0.38	0.46	0.51	0.55	0.59	0.61	0.70	0.81	0.83	0.98
Finland.....	0.30	0.33	0.39	0.39	0.37	0.38	0.37	0.40	0.46	0.45
France.....	4.27	4.47	4.63	4.84	4.87	4.97	5.04	4.91	4.80	4.94
Germany.....	--	6.35	6.17	5.84	5.71	5.58	5.49	5.56	5.26	5.34
Germany, East.....	2.49	--	--	--	--	--	--	--	--	--
Germany, West.....	5.08	--	--	--	--	--	--	--	--	--
Greece.....	0.37	0.39	0.33	0.35	0.35	0.36	0.35	0.39	0.40	0.39
Italy.....	1.22	1.31	1.36	1.39	1.46	1.40	1.47	1.47	1.46	1.40
Netherlands.....	2.63	2.95	2.93	2.98	2.91	2.91	3.25	2.89	2.78	2.61
Norway.....	5.94	6.23	7.09	7.28	7.65	8.36	9.29	9.61	9.37	9.55
Spain.....	1.43	1.44	1.34	1.34	1.33	1.20	1.37	1.30	1.32	1.19
Sweden.....	1.41	1.41	1.40	1.38	1.33	1.40	1.26	1.41	1.50	1.42
Switzerland.....	0.55	0.56	0.58	0.61	0.66	0.62	0.55	0.61	0.61	0.67
Turkey.....	0.85	0.87	0.95	0.99	0.95	0.99	1.05	1.11	1.17	1.09
United Kingdom.....	8.96	9.26	9.07	9.40	10.19	10.76	11.58	11.35	11.64	12.01
Former Yugoslavia.....	1.39	1.29	--	--	--	--	--	--	--	--
Bosnia and Herzegovina.....	--	--	0.05	0.03	0.03	0.06	0.03	0.03	0.03	0.03
Croatia.....	--	--	0.20	0.21	0.22	0.21	0.22	0.19	0.19	0.19
Serbia and Montenegro.....	--	--	0.55	0.52	0.53	0.43	0.55	0.55	0.59	0.46
Other.....	0.25	0.25	0.41	0.45	0.48	0.47	0.54	0.52	0.52	0.45
Total.....	38.46	38.49	38.90	39.52	40.55	41.66	44.04	44.10	43.93	44.22
Eastern Europe & Former U.S.S.R.										
Bulgaria.....	0.51	0.43	0.41	0.43	0.43	0.47	0.50	0.48	0.49	0.43
Former Czechoslovakia.....	2.79	2.59	2.46	--	--	--	--	--	--	--
Czech Republic.....	--	--	--	1.27	1.18	1.13	1.21	1.16	1.14	0.94
Slovakia.....	--	--	--	0.24	0.25	0.24	0.24	0.23	0.22	0.20
Hungary.....	0.61	0.57	0.56	0.53	0.53	0.52	0.51	0.53	0.48	0.46
Poland.....	3.88	3.74	3.68	3.70	3.75	3.60	3.25	3.86	3.37	3.26
Romania.....	1.87	1.62	1.49	1.47	1.43	1.46	1.43	1.41	1.27	1.23
Former U.S.S.R.....	72.11	66.43	--	--	--	--	--	--	--	--
Azerbaijan.....	--	--	0.77	0.71	0.65	0.64	0.64	0.61	0.72	0.84
Kazakhstan.....	--	--	3.77	3.39	2.57	2.28	2.36	2.44	2.24	2.33
Lithuania.....	--	--	0.15	0.14	0.09	0.12	0.15	0.13	0.15	0.12
Russia.....	--	--	48.96	45.51	42.85	41.86	42.00	40.64	40.66	41.54
Tajikistan.....	--	--	0.17	0.18	0.18	0.15	0.16	0.14	0.15	0.16
Turkmenistan.....	--	--	2.34	2.58	1.49	1.36	1.55	1.16	0.75	1.15
Ukraine.....	--	--	4.38	4.00	3.50	3.71	3.43	3.40	3.37	3.50
Uzbekistan.....	--	--	1.79	1.90	2.04	2.14	2.15	2.18	2.38	2.38
Other.....	0.13	0.09	0.44	0.45	0.43	0.40	0.44	0.42	0.42	0.44
Total.....	81.89	75.48	71.37	66.49	61.38	60.09	60.02	58.78	57.81	58.98

See footnotes at end of table.

Table F1 World Primary Energy Production (Btu), 1990 - 1999 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999 ¹
Middle East										
Bahrain.....	0.31	0.33	0.29	0.35	0.35	0.34	0.33	0.40	0.40	0.41
Iran.....	7.67	8.27	8.53	8.83	9.16	9.35	9.65	9.84	9.89	9.84
Iraq.....	4.54	0.69	1.02	1.21	1.33	1.35	1.39	2.60	4.71	5.48
Israel.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Kuwait.....	2.83	0.43	2.44	4.28	4.73	4.81	4.94	4.85	5.02	4.58
Oman.....	1.59	1.64	1.72	1.82	1.90	1.99	2.07	2.13	2.20	2.12
Qatar.....	1.20	1.25	1.39	1.45	1.44	1.51	1.66	1.90	2.31	2.44
Saudi Arabia.....	15.92	19.75	20.39	20.11	20.00	20.25	20.39	20.82	21.00	19.64
Syria.....	1.03	1.29	1.29	1.45	1.47	1.48	1.53	1.51	1.53	1.51
United Arab Emirates.....	5.51	6.24	6.11	5.78	5.84	6.14	6.34	6.50	6.61	6.25
Yemen.....	0.40	0.41	0.38	0.46	0.70	0.72	0.71	0.76	0.81	0.85
Other.....	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total.....	41.02	40.31	43.57	45.76	46.94	47.97	49.03	51.33	54.49	53.13
Africa										
Algeria.....	4.73	5.04	5.06	4.87	4.79	5.13	5.28	5.63	5.75	6.06
Angola.....	1.04	1.10	1.16	1.12	1.17	1.41	1.55	1.55	1.60	1.66
Cameroon.....	0.38	0.36	0.33	0.30	0.26	0.27	0.26	0.30	0.30	0.25
Congo (Brazzaville).....	0.35	0.33	0.37	0.39	0.38	0.40	0.43	0.54	0.56	0.57
Congo (Kinshasa).....	0.12	0.12	0.12	0.12	0.11	0.13	0.13	0.12	0.12	0.10
Egypt.....	2.36	2.40	2.44	2.55	2.59	2.67	2.73	2.61	2.58	2.72
Gabon.....	0.59	0.64	0.65	0.68	0.72	0.80	0.81	0.81	0.77	0.74
Libya.....	3.18	3.43	3.34	3.17	3.21	3.23	3.28	3.39	3.26	3.10
Nigeria.....	4.07	4.30	4.43	4.45	4.37	4.53	4.57	4.85	4.91	4.92
South Africa.....	4.05	4.12	4.26	4.41	4.61	4.85	4.86	5.48	5.54	5.54
Tunisia.....	0.22	0.23	0.25	0.23	0.21	0.20	0.22	0.25	0.25	0.25
Zambia.....	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.09	0.08	0.08
Zimbabwe.....	0.19	0.19	0.18	0.16	0.16	0.17	0.15	0.13	0.13	0.14
Other.....	0.26	0.27	0.27	0.28	0.30	0.31	0.40	0.48	0.55	0.69
Total.....	21.63	22.61	22.96	22.81	22.98	24.18	24.74	26.23	26.40	26.83
Far East & Oceania										
Australia.....	6.14	6.29	6.59	6.63	6.93	7.45	7.59	8.35	8.63	8.78
Bangladesh.....	0.16	0.17	0.20	0.22	0.24	0.27	0.27	0.28	0.30	0.33
Brunei.....	0.72	0.68	0.70	0.71	0.72	0.75	0.73	0.74	0.74	0.81
Burma.....	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.09	0.11	0.10
China.....	29.38	29.68	30.33	31.85	34.07	35.44	35.48	36.75	34.62	30.87
India.....	6.57	6.86	7.17	7.37	7.63	9.01	8.83	9.05	9.03	9.17
Indonesia.....	5.27	5.85	5.99	6.29	6.63	6.98	7.43	7.44	7.51	7.63
Japan.....	3.44	3.61	3.54	3.90	3.81	4.19	4.29	4.55	4.66	4.53
Korea, North.....	1.42	1.46	1.39	1.40	1.40	1.39	1.37	1.30	1.28	1.26
Korea, South.....	0.86	0.84	0.79	0.77	0.72	0.77	0.82	0.84	0.98	1.10
Malaysia.....	2.03	2.19	2.26	2.35	2.41	2.59	2.83	3.01	3.15	3.17
Mongolia.....	0.08	0.08	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05
New Zealand.....	0.61	0.62	0.61	0.63	0.65	0.64	0.67	0.70	0.66	0.68
Pakistan.....	0.82	0.89	0.91	0.96	0.98	1.04	1.09	1.06	1.07	1.14
Papua New Guinea.....	(s)	0.01	0.12	0.27	0.23	0.21	0.22	0.17	0.17	0.21
Philippines.....	0.21	0.20	0.21	0.22	0.23	0.22	0.23	0.23	0.26	0.28
Taiwan.....	0.51	0.44	0.45	0.44	0.47	0.47	0.49	0.48	0.49	0.49
Thailand.....	0.52	0.57	0.59	0.65	0.73	0.94	0.97	1.15	1.15	1.20
Vietnam.....	0.29	0.36	0.45	0.55	0.60	0.75	0.76	0.81	0.93	1.05
Other.....	0.20	0.10	0.09	0.10	0.11	0.11	0.10	0.10	0.10	0.10
Total.....	59.33	60.99	62.55	65.45	68.72	73.36	74.31	77.14	75.87	72.96
World Total.....	351.04	347.99	349.88	350.82	355.78	364.70	373.38	381.11	382.85	380.05

¹ Preliminary.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Notes: Sum of components may not equal total due to independent rounding.

Primary energy production reported in this table includes petroleum (crude oil and natural gas plant liquids), dry natural gas, and coal, and net hydroelectric, nuclear, geothermal, solar, wind, and wood and waste electric power generation.

Primary energy production for the United States also includes the production of geothermal, solar, and wood and waste energy not used for electricity generation.

As a result, primary energy production for the United States reported in this table might not be equal to sum of the individual fuel types reported in Tables F2-F8.

Sources: See sources at the end of Sections 3, 4, 5, and 6.