

Table E1 World Primary Energy Consumption (Btu), 1990 - 1999
(Quadrillion (10¹⁵) Btu)

Region Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999 ¹
North America										
Canada.....	10.92	10.90	10.92	11.44	11.75	11.76	12.19	12.32	12.11	12.52
Mexico.....	4.98	5.02	5.12	5.14	5.30	5.34	5.56	5.76	6.05	6.14
United States.....	84.19	84.06	85.51	87.31	89.23	90.94	93.91	94.32	94.57	97.05
Other.....	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total.....	100.10	99.99	101.57	103.91	106.30	108.04	111.68	112.41	112.74	115.72
Central & South America										
Argentina.....	1.90	2.00	2.12	2.28	2.32	2.40	2.47	2.57	2.73	2.71
Brazil.....	5.65	5.90	5.95	6.21	6.55	6.87	7.37	7.74	8.24	8.51
Chile.....	0.56	0.56	0.60	0.65	0.69	0.75	0.83	0.96	0.92	0.97
Colombia.....	0.89	0.97	0.94	1.07	1.10	1.11	1.19	1.23	1.28	1.22
Cuba.....	0.50	0.46	0.41	0.40	0.41	0.42	0.43	0.39	0.37	0.39
Venezuela.....	2.08	2.21	2.22	2.29	2.42	2.47	2.57	2.66	2.77	2.80
Other.....	2.54	2.64	2.72	2.84	3.03	3.23	3.29	3.46	3.70	3.77
Total.....	14.13	14.74	14.96	15.75	16.52	17.25	18.15	19.02	20.01	20.37
Western Europe										
Austria.....	1.17	1.21	1.20	1.23	1.23	1.27	1.29	1.33	1.34	1.39
Belgium.....	2.16	2.27	2.25	2.25	2.31	2.36	2.55	2.63	2.67	2.61
Denmark.....	0.82	0.83	0.82	0.85	0.84	0.88	0.88	0.91	0.90	0.89
Finland.....	1.13	1.14	1.18	1.20	1.22	1.12	1.14	1.27	1.29	1.31
France.....	8.81	9.39	9.41	9.37	9.28	9.54	9.92	9.87	10.17	10.26
Germany.....	--	14.21	13.98	14.06	13.75	14.32	14.30	14.24	14.18	13.98
Germany, East.....	3.33	--	--	--	--	--	--	--	--	--
Germany, West.....	11.48	--	--	--	--	--	--	--	--	--
Greece.....	1.05	1.07	1.04	1.09	1.11	1.12	1.15	1.22	1.29	1.28
Ireland.....	0.37	0.39	0.40	0.40	0.42	0.45	0.47	0.49	0.53	0.56
Italy.....	6.96	7.18	7.22	7.05	6.97	7.56	7.64	7.72	7.97	8.04
Netherlands.....	3.37	3.56	3.53	3.60	3.58	3.70	3.82	3.83	3.81	3.85
Norway.....	1.58	1.59	1.65	1.65	1.66	1.73	1.74	1.81	1.86	1.89
Portugal.....	0.75	0.75	0.76	0.78	0.82	0.85	0.88	0.94	0.99	1.02
Spain.....	3.94	4.15	4.12	4.04	4.22	4.48	4.39	4.76	5.04	5.23
Sweden.....	2.17	2.17	2.17	2.18	2.16	2.34	2.28	2.18	2.28	2.20
Switzerland.....	1.17	1.21	1.21	1.19	1.20	1.17	1.21	1.23	1.21	1.23
Turkey.....	1.97	2.08	2.10	2.33	2.23	2.47	2.74	2.96	3.02	2.95
United Kingdom.....	9.29	9.60	9.33	9.65	9.64	9.61	10.16	9.87	9.94	9.92
Former Yugoslavia.....	2.13	1.87	--	--	--	--	--	--	--	--
Croatia.....	--	--	0.33	0.33	0.36	0.37	0.37	0.38	0.40	0.41
Serbia and Montenegro.....	--	--	0.69	0.55	0.60	0.46	0.70	0.75	0.77	0.61
Other.....	0.30	0.31	0.81	0.80	0.79	0.86	0.84	0.88	0.85	0.87
Total.....	63.94	64.96	64.19	64.61	64.39	66.66	68.49	69.24	70.53	70.50
Eastern Europe & Former U.S.S.R.										
Bulgaria.....	1.30	1.01	1.00	0.93	0.92	0.99	1.01	0.96	0.89	0.84
Former Czechoslovakia.....	3.98	3.61	3.23	--	--	--	--	--	--	--
Czech Republic.....	--	--	--	1.57	1.58	1.65	1.78	1.77	1.75	1.54
Slovakia.....	--	--	--	0.75	0.76	0.82	0.83	0.81	0.79	0.70
Hungary.....	1.26	1.18	1.06	1.05	1.05	1.05	1.08	1.06	1.07	1.07
Poland.....	3.95	3.88	3.87	4.00	3.84	3.69	3.55	4.11	3.87	3.84
Romania.....	2.88	2.24	2.06	1.99	1.88	2.02	2.06	2.03	1.75	1.64
Former U.S.S.R.....	60.69	57.46	--	--	--	--	--	--	--	--
Azerbaijan.....	--	--	0.97	0.83	0.75	0.72	0.64	0.63	0.53	0.55
Belarus.....	--	--	1.57	1.34	1.10	1.06	1.07	1.07	1.07	1.10
Kazakhstan.....	--	--	3.37	2.79	2.25	2.04	1.99	1.70	1.50	1.46
Lithuania.....	--	--	0.44	0.37	0.36	0.37	0.32	0.33	0.36	0.32
Russia.....	--	--	34.87	32.66	29.62	28.21	27.89	26.01	25.80	26.01
Turkmenistan.....	--	--	0.29	0.27	0.27	0.29	0.28	0.29	0.25	0.30
Ukraine.....	--	--	8.89	8.58	7.31	7.27	6.68	6.42	6.18	6.43
Uzbekistan.....	--	--	1.66	2.04	1.76	1.85	1.91	1.88	1.84	1.88
Other.....	0.11	0.09	1.82	1.38	1.19	1.18	1.28	1.23	1.24	1.22
Total.....	74.16	69.47	65.09	60.56	54.63	53.21	52.36	50.30	48.89	48.90

See footnotes at end of table.

Table E1 World Primary Energy Consumption (Btu), 1990 - 1999 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999 ¹
Middle East										
Bahrain.....	0.26	0.29	0.24	0.29	0.28	0.29	0.29	0.35	0.36	0.37
Iran.....	3.11	3.24	3.35	3.47	3.66	3.81	3.95	4.44	4.50	4.67
Iraq.....	0.92	0.60	0.84	0.96	1.08	1.13	1.12	1.03	1.13	1.16
Israel.....	0.45	0.48	0.54	0.60	0.62	0.61	0.65	0.70	0.76	0.78
Kuwait.....	0.45	0.11	0.26	0.43	0.50	0.52	0.64	0.67	0.70	0.68
Oman.....	0.18	0.21	0.20	0.23	0.24	0.22	0.23	0.27	0.35	0.30
Qatar.....	0.35	0.41	0.49	0.57	0.57	0.58	0.59	0.64	0.65	0.70
Saudi Arabia.....	3.15	3.28	3.39	3.52	3.64	3.85	4.05	4.08	4.32	4.34
Syria.....	0.59	0.56	0.59	0.64	0.68	0.65	0.70	0.74	0.79	0.81
United Arab Emirates.....	1.23	1.49	1.55	1.48	1.49	1.60	1.67	1.79	1.84	1.88
Yemen.....	0.16	0.17	0.17	0.14	0.14	0.14	0.14	0.15	0.14	0.14
Other.....	0.29	0.33	0.36	0.39	0.45	0.47	0.49	0.52	0.54	0.54
Total.....	11.12	11.16	11.98	12.72	13.34	13.89	14.55	15.37	16.08	16.37
Africa										
Algeria.....	1.22	1.35	1.30	1.22	1.28	1.34	1.31	1.26	1.25	1.31
Angola.....	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10
Egypt.....	1.44	1.43	1.43	1.51	1.55	1.58	1.73	1.80	1.88	2.02
Gabon.....	0.04	0.04	0.05	0.04	0.05	0.05	0.06	0.06	0.05	0.05
Libya.....	0.51	0.53	0.49	0.51	0.53	0.54	0.57	0.59	0.57	0.58
Morocco.....	0.31	0.32	0.33	0.36	0.40	0.37	0.39	0.40	0.41	0.41
Nigeria.....	0.70	0.77	0.78	0.80	0.74	0.83	0.85	0.85	0.85	0.90
South Africa.....	3.36	3.52	3.79	3.87	4.07	4.10	4.15	4.54	4.49	4.39
Zimbabwe.....	0.24	0.23	0.24	0.22	0.23	0.23	0.23	0.22	0.21	0.22
Other.....	1.44	1.44	1.51	1.54	1.63	1.63	1.70	1.76	1.78	1.79
Total.....	9.34	9.74	10.01	10.17	10.58	10.76	11.07	11.59	11.60	11.77
Far East & Oceania										
Australia.....	3.67	3.70	3.86	3.93	3.96	4.12	4.19	4.52	4.64	4.74
Bangladesh.....	0.25	0.26	0.29	0.31	0.34	0.37	0.39	0.40	0.42	0.45
Brunei.....	0.07	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.06	0.08
China.....	27.01	28.26	29.31	31.36	34.04	35.18	35.50	36.72	35.31	31.88
Hong Kong.....	0.48	0.46	0.50	0.55	0.59	0.64	0.67	0.50	0.68	0.74
India.....	7.78	8.06	8.71	9.10	9.59	11.00	11.13	11.41	11.63	12.18
Indonesia.....	2.26	2.36	2.54	2.87	3.06	3.28	3.58	3.80	3.62	3.60
Japan.....	17.93	18.89	19.15	19.42	20.18	20.83	21.48	21.75	21.48	21.71
Korea, North.....	1.64	1.68	1.61	1.61	1.60	1.58	1.54	1.42	1.47	1.46
Korea, South.....	3.66	4.17	4.65	5.38	5.89	6.43	6.98	7.63	6.86	7.35
Malaysia.....	0.98	1.09	1.14	1.29	1.43	1.47	1.64	1.66	1.68	1.70
New Zealand.....	0.73	0.73	0.74	0.77	0.80	0.86	0.82	0.80	0.79	0.81
Pakistan.....	1.18	1.25	1.29	1.41	1.50	1.58	1.70	1.68	1.73	1.81
Philippines.....	0.73	0.73	0.77	0.84	0.90	0.96	1.02	1.09	1.12	1.11
Singapore.....	0.80	0.86	0.97	1.08	1.16	1.18	1.25	1.42	1.38	1.36
Taiwan.....	2.04	2.09	2.21	2.43	2.61	2.86	3.06	3.25	3.37	3.52
Thailand.....	1.25	1.37	1.47	1.68	1.87	2.25	2.44	2.53	2.40	2.47
Vietnam.....	0.28	0.28	0.30	0.38	0.41	0.51	0.53	0.52	0.54	0.58
Other.....	0.62	0.57	0.55	0.58	0.63	0.64	0.64	0.66	0.69	0.70
Total.....	73.38	76.83	80.10	85.04	90.61	95.78	98.62	101.84	99.86	98.24
World Total.....	346.18	346.89	347.90	352.76	356.36	365.60	374.91	379.77	379.69	381.88

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 consumption reported in this table includes petroleum, dry natural gas, coal, net hydroelectric, nuclear, geothermal, solar, wind, and wood and waste electric power, as reported in Tables E2-E7. Primary energy consumption for the United States also includes:

(1) the consumption of geothermal, solar, and wood and waste energy not used for electricity generation; (2) electricity imports from Mexico that are derived from geothermal energy; and (3) net imports of electricity derived from nonrenewable sources. Primary energy consumption for all countries, except the United States, has been adjusted to include total electricity imports and to exclude total electricity exports. This adjustment is necessary because the consumption data for electric power by type, as reported in Tables E5-E7, are not adjusted for electricity imports and exports, except for hydroelectric power in the United States.

As a result of these adjustments, primary energy consumption reported in this table might not be equal to sum of the individual fuel types reported in Tables E2-E7.

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