

Table 1.7 Primary Energy Consumption, Energy Expenditures, and Carbon Dioxide Emissions Indicators

	Primary Energy Consumption ^a			Energy Expenditures ^b				Carbon Dioxide Emissions ^c		
	Consumption	Consumption per Capita	Consumption per Real Dollar ^d of GDP ^e	Expenditures	Expenditures per Capita	Expenditures as Share of GDP ^e	Expenditures as Share of Gross Output ^f	Emissions	Emissions per Capita	Emissions per Real Dollar ^d of GDP ^e
	Quadrillion Btu	Million Btu	Thousand Btu per Chained (2012) Dollar ^d	Million Nominal Dollars ^g	Nominal Dollars ^g	Percent	Percent	Million Metric Tons Carbon Dioxide	Metric Tons Carbon Dioxide	Metric Tons Carbon Dioxide per Million Chained (2012) Dollars ^d
1950	34.616	227	15.12	NA	NA	NA	NA	2,382	15.6	1,040
1955	40.208	242	14.00	NA	NA	NA	NA	2,685	16.2	935
1960	45.086	250	13.83	NA	NA	NA	NA	2,914	16.1	894
1965	54.015	278	12.95	NA	NA	NA	NA	3,462	17.8	830
1970	67.838	331	13.70	82,875	404	7.7	4.3	4,261	20.8	861
1975	71.965	333	12.75	171,854	796	10.2	5.6	R 4,427	20.5	R 784
1980	78.067	344	11.55	374,350	1,647	13.1	6.8	R 4,751	20.9	703
1981	76.106	332	10.98	427,901	1,865	13.3	7.1	R 4,628	20.2	668
1982	73.099	316	10.74	426,482	1,841	12.8	6.9	R 4,395	19.0	646
1983	72.971	312	10.25	417,622	1,786	11.5	6.3	R 4,371	18.7	614
1984	76.632	325	10.04	435,313	1,846	10.8	5.9	R 4,597	19.5	602
1985	76.392	321	9.61	438,343	1,842	10.1	5.6	R 4,588	19.3	577
1986	76.647	319	9.32	384,091	1,599	8.4	4.8	R 4,599	R 19.2	559
1987	79.054	326	9.29	397,627	1,641	8.2	4.6	R 4,757	19.6	559
1988	82.709	338	9.33	411,568	1,683	7.9	4.4	R 4,981	20.4	562
1989	84.785	344	9.22	439,051	1,779	7.8	4.4	R 5,068	20.5	551
1990	84.485	338	9.02	474,652	1,901	8.0	4.5	R 5,040	20.2	538
1991	84.437	334	9.03	472,440	1,867	7.7	4.4	R 4,995	19.7	534
1992	85.782	334	8.86	476,845	1,859	7.3	4.2	R 5,095	R 19.9	526
1993	87.325	336	8.78	492,275	1,894	7.2	4.1	R 5,186	R 20.0	521
1994	89.040	338	8.60	504,856	1,919	6.9	3.9	R 5,264	20.0	508
1995	90.991	342	8.56	514,624	1,933	6.7	3.8	R 5,324	20.0	501
1996	94.000	349	8.52	560,293	2,080	6.9	3.9	R 5,513	20.5	R 500
1997	94.571	347	8.21	567,962	2,083	6.6	3.7	R 5,583	20.5	R 485
1998	94.982	344	7.89	526,283	1,908	5.8	3.2	R 5,632	20.4	468
1999	96.615	346	7.66	558,627	2,002	5.8	3.2	R 5,694	20.4	451
2000	98.776	350	7.52	687,711	2,437	6.7	3.7	R 5,867	20.8	R 447
2001	96.129	337	7.25	696,242	2,443	6.6	3.7	R 5,765	20.2	R 435
2002	97.605	339	7.23	663,964	2,308	6.1	3.5	R 5,810	20.2	R 431
2003	97.898	337	7.05	755,070	2,603	6.6	3.7	R 5,860	20.2	422
2004	100.073	342	6.95	871,210	2,975	7.1	4.0	R 5,980	20.4	R 415
2005	100.168	339	6.72	1,045,730	3,539	8.0	4.4	R 6,000	20.3	402
2006	99.464	333	6.48	1,158,821	3,884	8.4	4.6	R 5,915	19.8	R 386
2007	100.971	335	6.46	1,233,869	4,096	8.5	4.7	R 6,004	19.9	384
2008	98.825	325	6.33	1,408,759	4,633	9.6	5.2	R 5,817	19.1	R 373
2009	94.023	306	6.18	1,066,293	3,476	7.4	4.3	R 5,393	17.6	R 355
2010	97.608	316	6.26	1,214,034	3,925	8.1	4.6	5,586	18.1	358
2011	96.950	311	6.12	1,391,696	4,467	9.0	5.0	R 5,447	17.5	344
2012	94.480	301	5.83	1,355,024	4,317	8.4	4.6	R 5,230	16.7	323
2013	97.218	308	5.89	1,376,134	4,354	8.2	4.5	R 5,357	R 16.9	325
2014	98.382	309	5.82	1,394,918	4,381	8.0	4.4	5,414	17.0	320
2015	97.484	304	5.61	1,128,062	3,517	6.2	3.5	R 5,264	16.4	303
2016	97.445	302	5.52	1,038,120	3,213	5.5	3.2	R 5,172	16.0	293
2017	97.809	301	5.42	1,136,496	3,495	5.8	3.3	R 5,131	15.8	284
2018	101.236	309	5.45	NA	NA	NA	NA	R 5,270	16.1	284

^a See "Primary Energy Consumption" in Glossary.

^b Expenditures include taxes where data are available.

^c Carbon dioxide emissions from energy consumption. See Table 11.1.

^d See "Chained Dollars" and "Real Dollars" in Glossary.

^e See "Gross Domestic Product (GDP)" in Glossary.

^f Gross output is the value of GDP plus the value of intermediate inputs used to produce GDP. Through 1996, data have been adjusted by EIA based on DOC/BEA's 2012 comprehensive revision.

^g See "Nominal Dollars" in Glossary.

R=Revised. NA=Not available.

Notes: • Data are estimates. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#summary> (Excel and CSV files) for all available annual data beginning in 1949.

Sources: • **Consumption:** Table 1.3. • **Consumption per Capita:**

Calculated as energy consumption divided by U.S. population (see Table C1).

• **Consumption per Real Dollar of GDP:** Calculated as energy consumption divided by U.S. gross domestic product in chained (2012) dollars (see Table C1).

• **Expenditures:** U.S. Energy Information Administration, "State Energy Price and Expenditure Estimates, 1970 Through 2017" (June 2019), U.S. Table ET1.

• **Expenditures per Capita:** Calculated as energy expenditures divided by U.S. population (see Table C1).

• **Expenditures as Share of GDP:** Calculated as energy expenditures divided by U.S. gross domestic product in nominal dollars (see Table C1).

• **Expenditures as Share of Gross Output:** Calculated as energy expenditures divided by U.S. gross output (see Table C1).

• **Emissions:** 1949–1972—U.S. Energy Information Administration, *Annual Energy Review 2011*, Table 11.1. 1973 forward—Table 11.1.

• **Emissions per Capita:** Calculated as carbon dioxide emissions divided by U.S. population (see Table C1).

• **Emissions per Real Dollar of GDP:** Calculated as carbon dioxide emissions divided by U.S. gross domestic product in chained (2012) dollars (see Table C1).