

Table 1.5 Energy Consumption, Expenditures, and Emissions Indicators Estimates, Selected Years, 1949-2011

Year	Energy Consumption	Energy Consumption per Capita	Energy Expenditures ¹	Energy Expenditures per Capita	Gross Output ³	Energy Expenditures ¹ as Share of Gross Output ³	Gross Domestic Product (GDP)	Energy Expenditures ¹ as Share of GDP	Gross Domestic Product (GDP)	Energy Consumption per Real Dollar of GDP	Carbon Dioxide Emissions ² per Real Dollar of GDP
	Quadrillion Btu	Million Btu	Million Nominal Dollars ⁴	Nominal Dollars ⁴	Billion Nominal Dollars ⁴	Percent	Billion Nominal Dollars ⁴	Percent	Billion Real (2005) Dollars ⁵	Thousand Btu per Real (2005) Dollar ⁵	Metric Tons Carbon Dioxide per Million Real (2005) Dollars ⁵
1949	31.982	214	NA	NA	NA	NA	267.2	NA	R1,843.1	R17.35	R1,197
1950	34.616	227	NA	NA	NA	NA	293.7	NA	R2,004.2	R17.27	R1,189
1955	40.208	242	NA	NA	NA	NA	414.7	NA	R2,498.2	R16.09	R1,075
1960	45.086	250	NA	NA	NA	NA	526.4	NA	R2,828.5	R15.94	R1,030
1965	54.015	278	NA	NA	NA	NA	719.1	NA	R3,607.0	R14.98	R960
1970	67.838	331	82,860	404	NA	NA	1,038.3	8.0	R4,266.3	R15.90	R999
1975	71.965	333	R171,837	R796	NA	NA	1,637.7	10.5	R4,875.4	R14.76	R910
1976	75.975	348	R193,896	889	NA	NA	1,824.6	10.6	R5,136.9	R14.79	R916
1977	77.961	354	R220,476	1,001	NA	NA	2,030.1	10.9	R5,373.1	R14.51	R902
1978	79.950	359	R239,255	R1,075	NA	NA	2,293.8	10.4	R5,672.8	R14.09	R863
1979	80.859	359	R297,549	1,322	NA	NA	2,562.2	11.6	R5,850.1	R13.82	R849
1980	78.067	344	R374,347	1,647	NA	NA	2,788.1	13.4	R5,834.0	R13.38	R818
1981	76.106	332	R427,898	R1,865	NA	NA	3,126.8	13.7	R5,982.1	R12.72	R776
1982	73.099	316	R426,479	R1,841	NA	NA	3,253.2	13.1	R5,865.9	R12.46	751
1983	72.971	312	R417,476	R1,786	NA	NA	3,534.6	11.8	R6,130.9	R11.90	R715
1984	76.632	325	R435,195	1,845	NA	NA	3,930.9	11.1	R6,571.5	R11.90	R702
1985	76.392	321	R438,347	1,842	NA	NA	4,217.5	10.4	R6,843.4	R11.16	672
1986	76.647	319	R383,518	1,597	NA	NA	4,460.1	8.6	R7,080.5	R10.83	R651
1987	79.054	326	R396,587	R1,637	8,639.9	4.6	4,736.4	8.4	R7,307.0	R10.82	R652
1988	82.709	338	R410,515	R1,679	9,359.5	4.4	5,100.4	8.0	R7,607.4	R10.87	R655
1989	84.786	344	R437,679	1,773	9,969.6	4.4	5,482.1	8.0	R7,879.2	R10.76	643
1990	84.485	338	R472,653	1,893	10,511.1	4.5	5,800.5	8.1	R8,027.1	10.52	R628
1991	84.438	334	R470,668	1,860	10,676.5	4.4	5,992.1	7.9	R8,008.3	R10.54	R624
1992	85.783	334	R475,644	R1,854	11,242.4	4.2	6,342.3	7.5	R8,280.0	R10.36	615
1993	87.424	336	R491,231	R1,890	11,857.6	4.1	6,667.4	7.4	R8,516.2	R10.27	R609
1994	89.091	339	504,073	1,916	12,647.2	4.0	7,085.2	7.1	R8,863.1	R10.05	593
1995	91.029	342	513,947	1,930	13,451.6	3.8	7,414.7	6.9	R9,086.0	R10.02	R585
1996	94.022	349	559,890	2,078	14,259.9	3.9	7,838.5	7.1	R9,425.8	9.97	R584
1997	94.602	347	566,714	2,079	15,160.5	3.7	8,332.4	6.8	R9,845.9	R9.61	566
1998	95.018	344	525,515	1,905	15,987.4	3.3	8,793.5	6.0	R10,274.7	R9.25	547
1999	96.652	346	R556,379	1,994	17,017.4	3.3	9,353.5	5.9	R10,770.7	8.97	R528
2000	R98.814	350	R685,902	2,431	18,305.7	3.7	9,951.5	6.9	R11,216.4	R8.81	523
2001	96.168	337	694,484	R2,437	18,576.5	3.7	10,286.2	6.8	R11,337.5	8.48	508
2002	R97.645	R339	R662,414	R2,303	18,874.2	3.5	10,642.3	6.2	R11,543.1	8.46	503
2003	97.978	338	754,708	R2,601	19,832.3	3.8	R11,142.2	6.8	R11,836.4	R8.28	495
2004	R100.162	342	R871,097	R2,975	21,267.7	4.1	R11,853.3	7.3	R12,246.9	R8.18	R488
2005	R100.282	339	R1,046,897	R3,543	23,046.9	4.5	R12,623.0	8.3	R12,623.0	R7.94	R475
2006	R99.629	334	R1,159,687	R3,887	24,477.0	4.7	R13,377.2	8.7	R12,958.5	R7.69	R457
2007	R101.296	336	R1,234,282	R4,097	25,819.7	4.8	R14,028.7	8.8	R13,206.4	R7.67	R456
2008	R99.275	326	R1,408,845	R4,633	26,561.9	5.3	R14,291.5	R9.9	R13,161.9	R7.54	R444
2009	R94.559	308	R1,061,220	R3,459	24,568.6	4.3	R13,939.0	R7.6	R12,703.1	R7.44	R427
2010	R97.722	R316	R1,204,827	R3,895	25,811.4	4.7	R14,526.5	R8.3	R13,088.0	R7.47	R429
2011 ^P	97.301	312	NA	NA	NA	NA	15,094.0	NA	13,315.1	7.31	412

¹ Expenditures include taxes where data are available.

² Carbon dioxide emissions from energy consumption. See Table 11.1.

³ Gross output is the value of GDP plus the value of intermediate inputs used to produce GDP.

⁴ See "Nominal Dollars" in Glossary.

⁵ In chained (2005) dollars. See "Chained Dollars" in Glossary.

R=Revised. P=Preliminary. NA=Not available.

Web Page: For all data beginning in 1949, see <http://www.eia.gov/totalenergy/data/annual/#summary>.

Sources: **Energy Consumption:** Table 1.3. **Energy Expenditures:** Table 3.5. **Gross Domestic Product:** Table D1. **Population Data:** Table D1. **Gross Output:** U.S. Department of Commerce, Bureau of Economic Analysis, Gross Domestic Product by Industry Data, Gross Output, All Industries. **Carbon Dioxide Emissions:** Table 11.1. **Other Columns:** Calculated by U.S. Energy Information Administration.