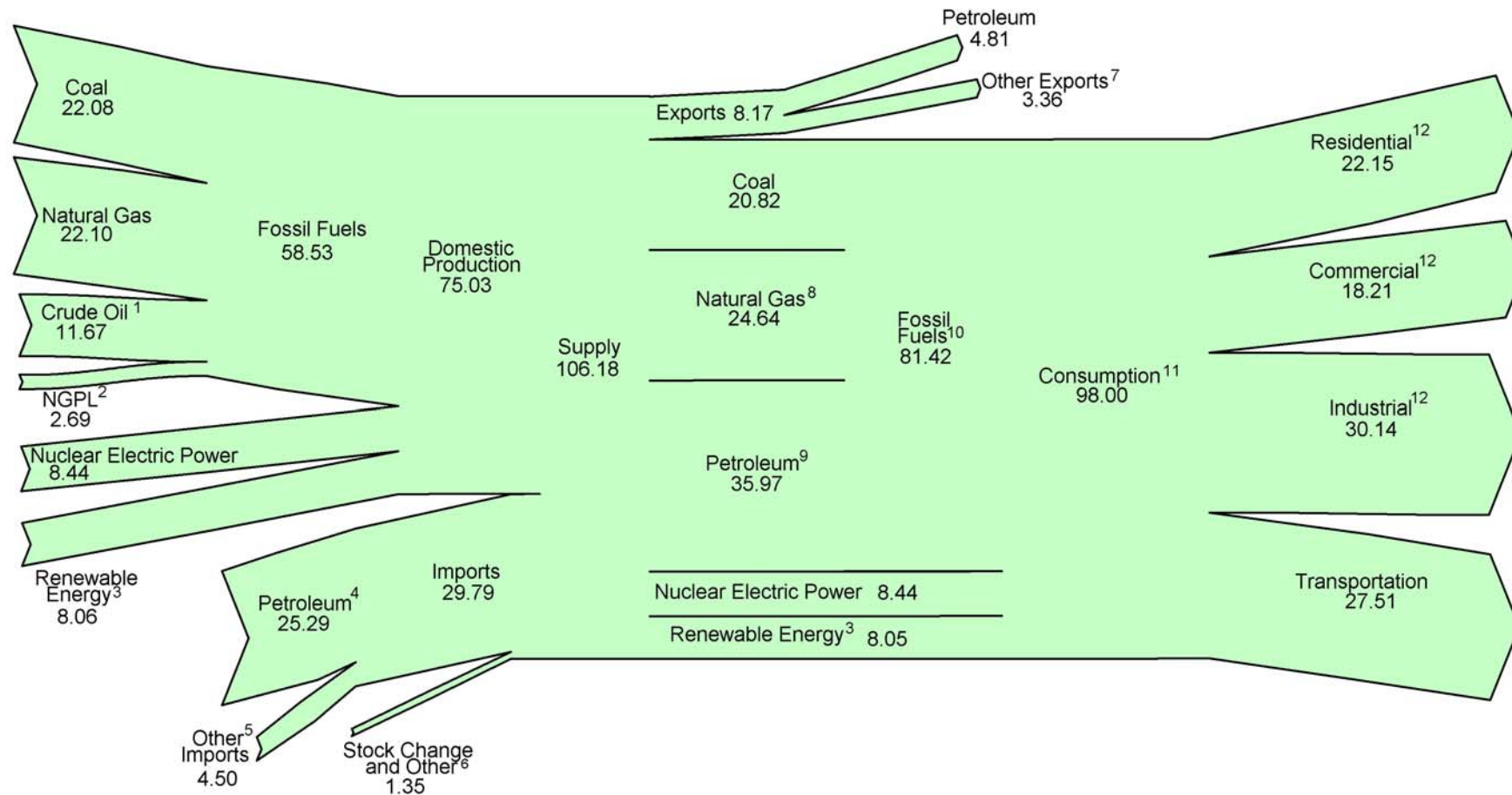


1. Energy Overview



Figure 1.0 Energy Flow, 2010
(Quadrillion Btu)



¹ Includes lease condensate.

² Natural gas plant liquids.

³ Conventional hydroelectric power, biomass, geothermal, solar/photovoltaic, and wind.

⁴ Crude oil and petroleum products. Includes imports into the Strategic Petroleum Reserve.

⁵ Natural gas, coal, coal coke, biofuels, and electricity.

⁶ Adjustments, losses, and unaccounted for.

⁷ Coal, natural gas, coal coke, electricity, and biofuels.

⁸ Natural gas only; excludes supplemental gaseous fuels.

⁹ Petroleum products, including natural gas plant liquids, and crude oil burned as fuel.

¹⁰ Includes 0.01 quadrillion Btu of coal coke net exports.

¹¹ Includes 0.09 quadrillion Btu of electricity net imports.

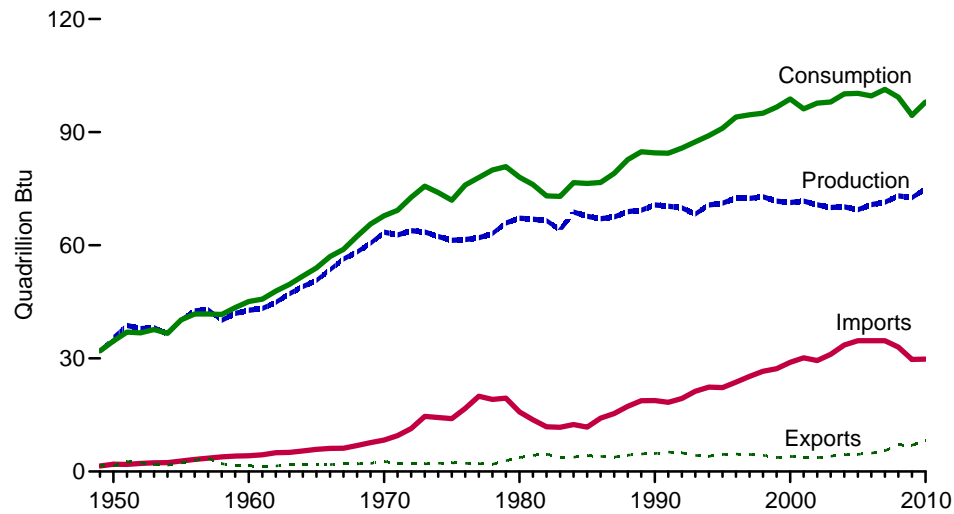
¹² Total energy consumption, which is the sum of primary energy consumption, electricity retail sales, and electrical system energy losses. Losses are allocated to the end-use sectors in proportion to each sector's share of total electricity retail sales. See Note, "Electrical Systems Energy Losses," at end of Section 2.

Notes: • Data are preliminary. • Values are derived from source data prior to rounding for publication. • Totals may not equal sum of components due to independent rounding.

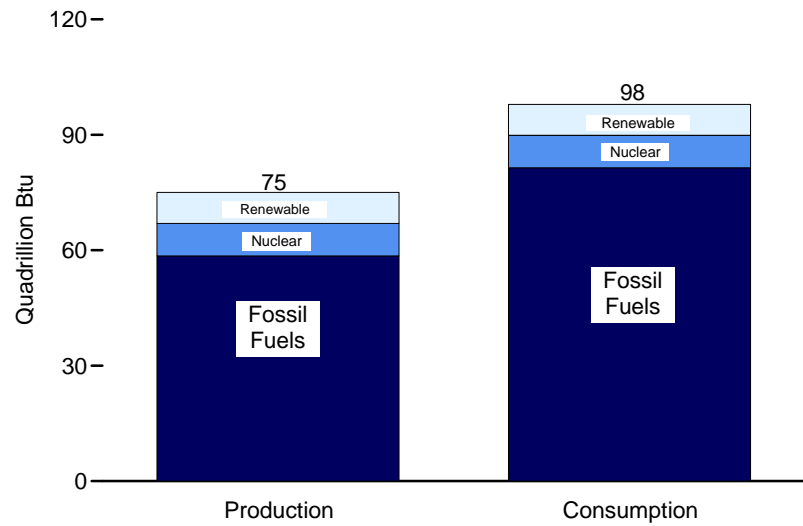
Sources: Tables 1.1, 1.2, 1.3, 1.4, and 2.1a.

Figure 1.1 Primary Energy Overview

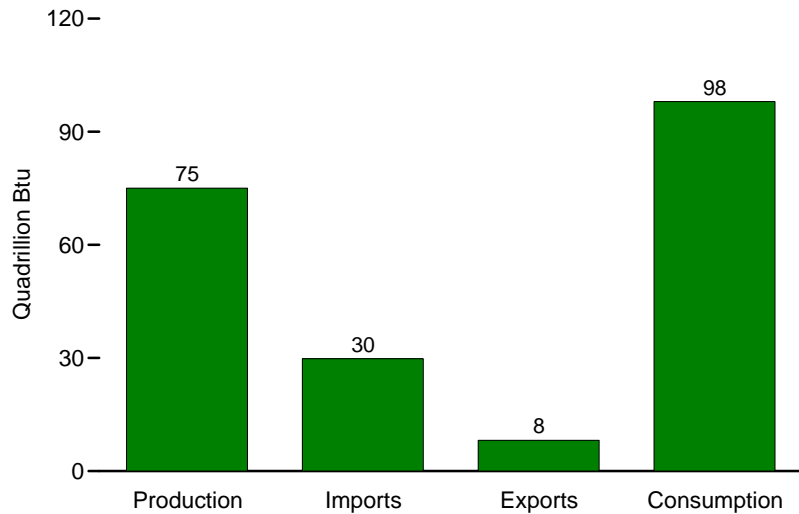
Overview, 1949-2010



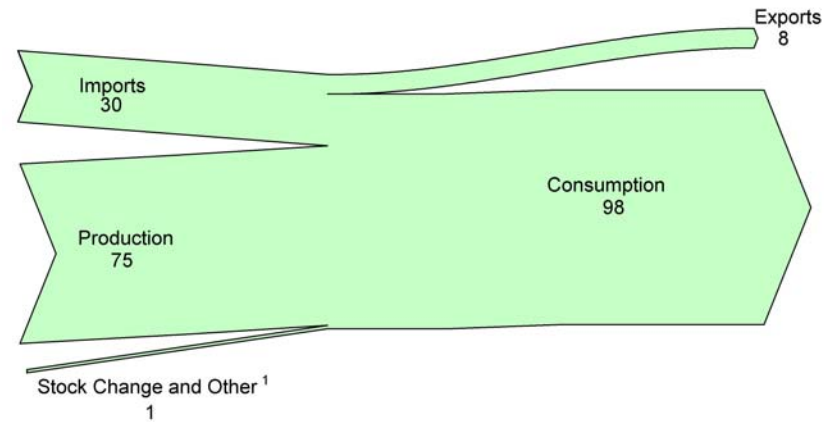
Production and Consumption, 2010



Overview, 2010



Energy Flow, 2010 (Quadrillion Btu)



¹ Adjustments, losses, and unaccounted for.

Source: Table 1.1.

Table 1.1 Primary Energy Overview, Selected Years, 1949-2010
(Quadrillion Btu)

Year	Production				Trade					Stock Change and Other ⁸	Consumption			
	Fossil Fuels ²	Nuclear Electric Power ³	Renewable Energy ⁴	Total	Imports		Exports		Net Imports ¹		Fossil Fuels ⁹	Nuclear Electric Power ³	Renewable Energy ⁴	Total ¹⁰
					Petroleum ⁵	Total ⁶	Coal	Total ⁷						
1949	28.748	0.000	2.974	31.722	1.427	1.448	0.877	1.592	-0.144	0.403	29.002	0.000	2.974	31.982
1950	32.563	.000	2.978	35.540	1.886	1.913	.786	1.465	.448	-1.372	31.632	.000	2.978	34.616
1955	37.364	.000	2.784	40.148	2.752	2.790	1.465	2.286	.504	-1.444	37.410	.000	2.784	40.208
1960	39.869	.006	R2.928	R42.803	3.999	4.188	1.023	1.477	2.710	-.427	42.137	.006	R2.928	R45.086
1965	47.235	.043	R3.396	R50.674	5.402	5.892	1.376	1.829	4.063	-.722	50.577	.043	R3.396	R54.015
1970	59.186	.239	R4.070	R63.495	7.470	8.342	1.936	2.632	5.709	-1.367	63.522	.239	R4.070	R67.838
1975	54.733	1.900	R4.687	R61.320	12.948	14.032	1.761	2.323	11.709	R-1.065	R65.357	1.900	R4.687	R71.965
1976	54.723	2.111	R4.727	R61.561	15.672	16.760	1.597	2.172	14.588	R-.175	R69.107	2.111	R4.727	R75.975
1977	55.101	2.702	R4.209	R62.012	18.756	19.948	1.442	2.052	17.896	R-1.946	R70.991	2.702	R4.209	R77.961
1978	55.074	3.024	R5.005	R63.104	17.824	19.106	1.078	1.920	17.186	R-.339	R71.854	3.024	R5.005	R79.950
1979	58.006	2.776	R5.123	R65.904	17.933	19.460	1.753	2.855	16.605	R-1.650	R72.891	2.776	R5.123	R80.859
1980	59.008	2.739	R5.428	R67.175	14.658	15.796	2.421	3.695	12.101	R-1.210	R69.828	2.739	R5.428	R78.067
1981	58.529	3.008	R5.414	R66.951	12.639	13.719	2.944	4.307	9.412	R-.257	R67.571	3.008	R5.414	R76.106
1982	57.458	3.131	R5.980	R66.569	10.777	11.861	2.787	4.608	7.253	-.723	63.888	3.131	R5.980	R73.099
1983	54.416	3.203	R6.496	R64.114	10.647	11.752	2.045	3.693	8.059	R.798	R63.152	3.203	R6.496	R72.971
1984	58.849	3.553	R6.438	R68.840	11.433	12.471	2.151	3.786	8.685	R-.892	R66.506	3.553	R6.438	R76.632
1985	57.539	4.076	R6.084	R67.698	10.609	11.781	2.438	4.196	7.584	R1.110	R66.093	4.076	R6.084	R76.392
1986	56.575	4.380	R6.111	R67.066	13.201	14.151	2.248	4.021	10.130	R-.549	R66.033	4.380	R6.111	R76.647
1987	57.167	4.754	R5.622	R67.542	14.162	15.398	2.093	3.812	11.586	R-.074	R68.521	4.754	R5.622	R79.054
1988	57.875	5.587	R5.457	R68.919	15.747	17.296	2.499	4.366	12.929	R.861	R71.557	5.587	R5.457	R82.709
1989	57.483	5.602	R6.235	R69.320	17.162	18.766	2.637	4.661	14.105	R1.361	R72.911	5.602	R6.235	R84.786
1990	58.560	6.104	R6.041	R70.705	17.117	18.817	2.772	4.752	14.065	R-.284	R72.332	6.104	R6.041	R84.485
1991	57.872	6.422	R6.069	R70.362	16.348	18.335	2.854	5.141	13.194	R.882	71.880	6.422	R6.069	R84.438
1992	57.655	6.479	R5.821	R69.955	16.968	19.372	2.682	4.937	14.435	R1.392	R73.396	6.479	R5.821	R85.783
1993	55.822	6.410	R6.083	R68.315	18.510	21.273	1.962	4.258	17.014	R2.094	R74.836	6.410	R6.083	R87.424
1994	58.044	6.694	R5.988	R70.726	19.243	22.390	1.879	4.061	18.329	.037	R76.256	6.694	R5.988	R89.091
1995	57.540	7.075	R6.558	R71.174	18.881	22.260	2.318	4.511	17.750	R2.105	R77.259	7.075	R6.560	R91.029
1996	58.387	7.087	R7.012	R72.486	20.284	23.702	2.368	4.633	19.069	R2.468	R79.785	7.087	R7.012	R94.022
1997	58.857	6.597	R7.018	R72.472	21.740	25.215	2.193	4.514	20.701	1.429	R80.873	6.597	R7.016	R94.602
1998	59.314	7.068	R6.494	R72.876	22.908	26.581	2.092	4.299	22.281	-.140	81.369	7.068	R6.493	R95.018
1999	57.614	7.610	R6.517	R71.742	23.133	27.252	1.525	3.715	23.537	R1.373	82.427	7.610	R6.516	R96.652
2000	57.366	7.862	R6.104	R71.332	24.531	28.973	1.528	4.006	24.967	R2.516	R84.731	7.862	R6.106	R98.815
2001	58.541	8.029	R5.164	R71.735	25.398	30.157	1.265	R3.771	26.386	-1.953	82.902	8.029	R5.163	R96.168
2002	56.894	8.145	R5.734	R70.773	R24.674	R29.408	1.032	R3.669	25.739	R1.181	R83.747	8.145	R5.729	R97.693
2003	56.099	7.959	R5.982	R70.040	R26.219	31.061	1.117	4.054	27.007	R.931	R84.014	7.959	R5.983	R97.978
2004	55.895	8.222	R6.070	R70.188	R28.197	R33.544	1.253	R4.434	29.110	R.850	85.805	8.222	R6.082	R100.148
2005	55.038	8.161	R6.229	R69.427	R29.248	R34.709	1.273	R4.560	30.149	R.701	R85.790	8.161	R6.242	R100.277
2006	55.968	8.215	R6.608	R70.792	R29.169	R34.679	1.264	R4.872	R29.806	R-.974	84.687	8.215	R6.659	R99.624
2007	56.447	8.455	R6.537	R71.440	R28.781	R34.703	1.507	R5.482	R29.221	R.703	R86.251	8.455	R6.551	R101.363
2008	R57.482	8.427	R7.205	R73.114	R27.685	R32.992	2.071	R7.060	R25.932	R.222	R83.540	8.427	R7.190	R99.268
2009	R56.644	R8.356	R7.603	R72.603	R25.082	R29.706	1.515	R6.965	R22.741	R-.869	R78.416	R8.356	R7.587	R94.475
2010 ^P	58.527	8.441	8.064	75.031	25.290	29.792	2.101	8.173	21.619	1.352	81.425	8.441	8.049	98.003

¹ Net imports equal imports minus exports. A minus sign indicates exports are greater than imports.

² Coal, natural gas (dry), crude oil, and natural gas plant liquids.

³ Nuclear electricity net generation (converted to Btu using the nuclear heat rate—see Table A6).

⁴ See Tables 10.1-10.2c for notes on series components and estimation; and see Note, "Renewable Energy Production and Consumption," at end of Section 10.

⁵ Crude oil and petroleum products. Includes imports into the Strategic Petroleum Reserve.

⁶ Also includes natural gas, coal, coal coke, fuel ethanol, biodiesel, and electricity.

⁷ Also includes natural gas, petroleum, coal coke, biodiesel, and electricity.

⁸ Calculated as consumption and exports minus production and imports. Includes petroleum stock change and adjustments; natural gas net storage withdrawals and balancing item; coal stock change,

losses, and unaccounted for; fuel ethanol stock change; and biodiesel stock change and balancing item.

⁹ Coal, coal coke net imports, natural gas, and petroleum. For petroleum, product supplied is used as an approximation of petroleum consumption. See Note 1, "Petroleum Products Supplied and Petroleum Consumption," at end of Section 5.

¹⁰ Also includes electricity net imports.

R=Revised. P=Preliminary.

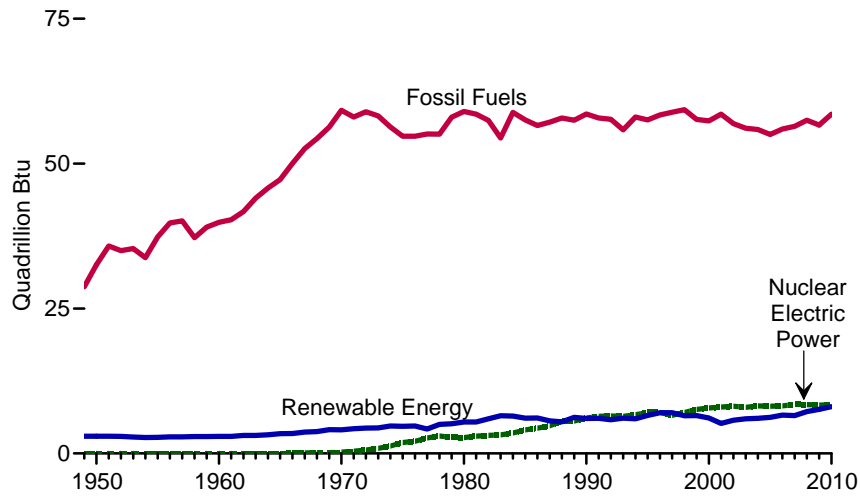
Notes: • See "Primary Energy," "Primary Energy Production," and "Primary Energy Consumption" in Glossary. • Totals may not equal sum of components due to independent rounding.

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

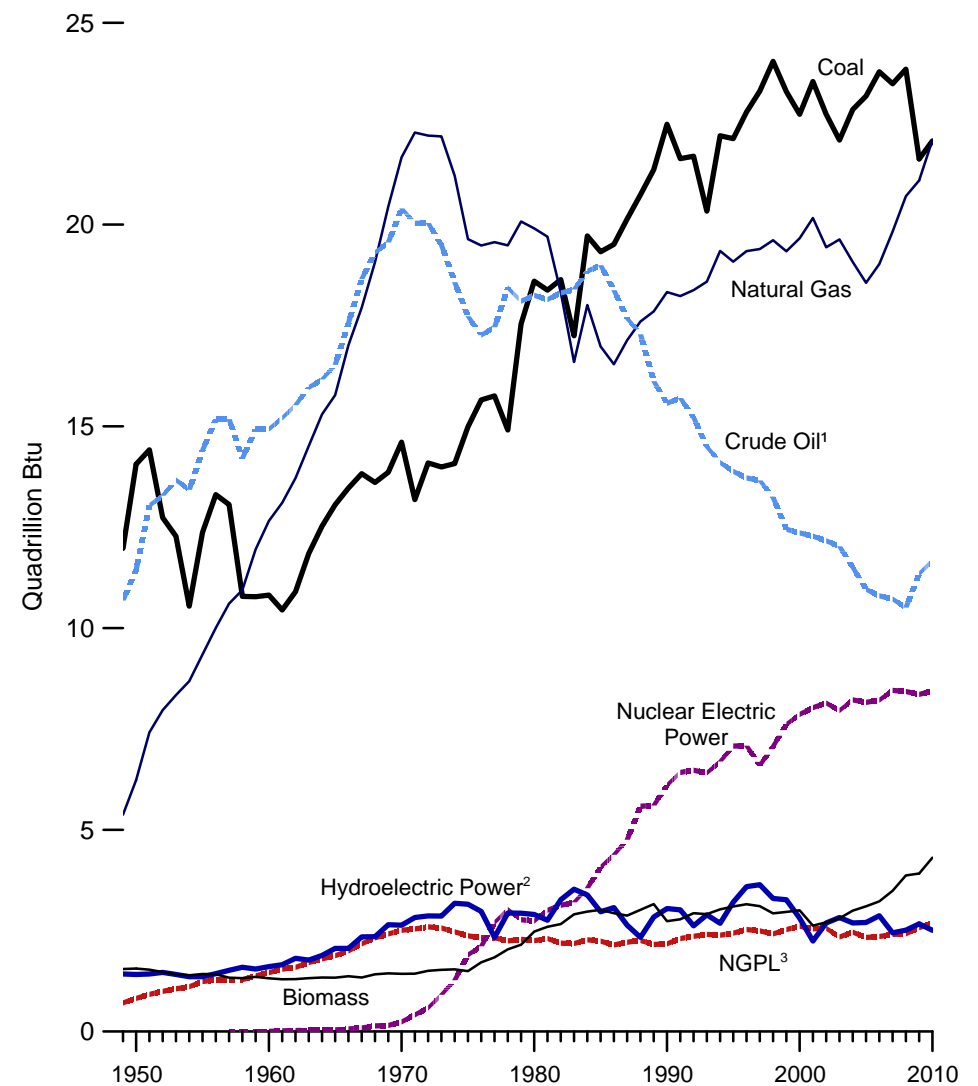
Sources: Tables 1.2, 1.3, and 1.4.

Figure 1.2 Primary Energy Production by Source

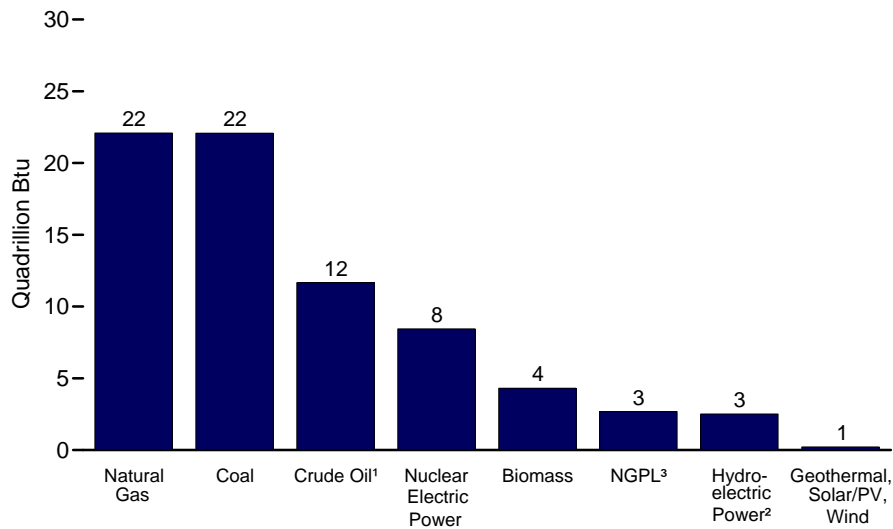
By Source Category, 1949-2010



By Major Source, 1949-2010



By Source, 2010



¹ Includes lease condensate.

² Conventional hydroelectric power.

³ Natural gas plant liquids.

Source: Table 1.2.

Table 1.2 Primary Energy Production by Source, Selected Years, 1949-2010

(Quadrillion Btu)

Year	Fossil Fuels					Nuclear Electric Power ⁵	Renewable Energy ¹						Total
	Coal ²	Natural Gas (Dry)	Crude Oil ³	NGPL ⁴	Total		Hydro-electric Power ⁶	Geothermal ⁷	Solar/PV ⁸	Wind ⁹	Biomass ¹⁰	Total	
1949	11.974	5.377	10.683	0.714	28.748	0.000	1.425	NA	NA	NA	1.549	2.974	31.722
1950	14.060	6.233	11.447	.823	32.563	.000	1.415	NA	NA	NA	1.562	2.978	35.540
1955	12.370	9.345	14.410	1.240	37.364	.000	1.360	NA	NA	NA	1.424	2.784	40.148
1960	10.817	12.656	14.935	1.461	39.869	.006	1.608	R(s)	NA	NA	1.320	R2.928	R42.803
1965	13.055	15.775	16.521	1.883	47.235	.043	2.059	R.002	NA	NA	1.335	R3.396	R50.674
1970	14.607	21.666	20.401	2.512	59.186	.239	2.634	R.006	NA	NA	1.431	R4.070	R63.495
1975	14.989	19.640	17.729	2.374	54.733	1.900	3.155	R.034	NA	NA	1.499	R4.687	R61.320
1976	15.654	19.480	17.262	2.327	54.723	2.111	2.976	R.038	NA	NA	1.713	R4.727	R61.561
1977	15.755	19.565	17.454	2.327	55.101	2.702	2.333	R.037	NA	NA	1.838	R4.209	R62.012
1978	14.910	19.485	18.434	2.245	55.074	3.024	2.937	R.031	NA	NA	2.038	R5.005	R63.104
1979	17.540	20.076	18.104	2.286	58.006	2.776	2.931	R.040	NA	NA	2.152	R5.123	R65.904
1980	18.598	19.908	18.249	2.254	59.008	2.739	2.900	R.053	NA	NA	2.476	R5.428	R67.175
1981	18.377	19.699	18.146	2.307	58.529	3.008	2.758	R.059	NA	NA	2.596	R5.414	R66.951
1982	18.639	18.319	18.309	2.191	57.458	3.131	3.266	R.051	NA	NA	2.663	R5.980	R66.569
1983	17.247	16.593	18.392	2.184	54.416	3.203	3.527	R.064	NA	(s)	2.904	R6.496	R64.114
1984	19.719	18.008	18.848	2.274	58.849	3.553	3.386	R.081	(s)	(s)	2.971	R6.438	R68.840
1985	19.325	16.980	18.992	2.241	57.539	4.076	2.970	R.097	(s)	(s)	3.016	R6.084	R67.698
1986	19.509	16.541	18.376	2.149	56.575	4.380	3.071	R.108	(s)	(s)	2.932	R6.111	R67.066
1987	20.141	17.136	17.675	2.215	57.167	4.754	2.635	R.112	(s)	(s)	2.875	R5.622	R67.542
1988	20.738	17.599	17.279	2.260	57.875	5.587	2.334	R.106	(s)	(s)	3.016	R5.457	R68.919
1989	21.360	17.847	16.117	2.158	57.483	5.602	2.837	R.162	.055	.022	3.159	R6.235	R69.320
1990	22.488	18.326	15.571	2.175	58.560	6.104	3.046	R.171	R.059	.029	2.735	R6.041	R70.705
1991	21.636	18.229	15.701	2.306	57.872	6.422	3.016	R.178	R.062	.031	2.782	R6.069	R70.362
1992	21.694	18.375	15.223	2.363	57.655	6.479	2.617	R.179	.064	.030	2.932	R5.821	R69.955
1993	20.336	18.584	14.494	2.408	55.822	6.410	2.892	R.186	.066	.031	2.908	R6.083	R68.315
1994	22.202	19.348	14.103	2.391	58.044	6.694	2.683	R.173	R.068	.036	3.028	R5.988	R70.726
1995	22.130	19.082	13.887	2.442	57.540	7.075	3.205	R.152	R.069	.033	3.099	R6.558	R71.174
1996	22.790	19.344	13.723	2.530	58.387	7.087	3.590	R.163	R.070	.033	3.155	R7.012	R72.486
1997	23.310	19.394	13.658	2.495	58.857	6.597	3.640	R.167	.070	.034	3.108	R7.018	R72.472
1998	24.045	19.613	13.235	2.420	59.314	7.068	3.297	R.168	R.069	.031	2.929	R6.494	R72.876
1999	23.295	19.341	12.451	2.528	57.614	7.610	3.268	R.171	R.068	.046	2.965	R6.517	R71.742
2000	22.735	19.662	12.358	2.611	57.366	7.862	2.811	R.164	R.065	.057	3.006	R6.104	R71.332
2001	23.547	20.166	12.282	2.547	58.541	8.029	2.242	R.164	R.064	.070	2.624	R5.164	R71.735
2002	22.732	19.439	12.163	2.559	56.894	8.145	2.689	R.171	R.063	.105	2.705	R5.734	R70.773
2003	22.094	19.633	12.026	2.346	56.099	7.959	2.825	R.175	R.062	.115	2.805	R5.982	R70.040
2004	22.852	19.074	11.503	2.466	55.895	8.222	2.690	R.178	R.063	.142	2.998	R6.070	R70.188
2005	23.185	18.556	10.963	2.334	55.038	8.161	2.703	R.181	R.063	.178	3.104	R6.229	R69.427
2006	23.790	19.022	10.801	2.356	55.968	8.215	2.869	R.181	R.068	.264	3.226	R6.608	R70.792
2007	23.493	19.825	10.721	2.409	56.447	8.455	2.446	R.186	R.076	.341	3.489	R6.537	R71.440
2008	23.851	R20.703	10.509	2.419	R57.482	8.427	2.511	R.192	R.089	.546	3.867	R7.205	R73.114
2009	R21.627	R21.095	R11.348	R2.574	R56.644	R8.356	R2.669	R.200	R.098	R.721	R3.915	R7.603	R72.603
2010 ^P	22.077	22.095	11.669	2.686	58.527	8.441	2.509	.212	.109	.924	4.310	8.064	75.031

¹ Most data are estimates. See Tables 10.1-10.2c for notes on series components and estimation; and see Note, "Renewable Energy Production and Consumption," at end of Section 10.

² Beginning in 1989, includes waste coal supplied. Beginning in 2001, also includes a small amount of refuse recovery. See Table 7.1.

³ Includes lease condensate.

⁴ Natural gas plant liquids.

⁵ Nuclear electricity net generation (converted to Btu using the nuclear heat rate—see Table A6).

⁶ Conventional hydroelectricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6).

⁷ Geothermal electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6), and geothermal heat pump and direct use energy.

⁸ Solar thermal and photovoltaic (PV) electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6), and solar thermal direct use energy.

⁹ Wind electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6).

¹⁰ Wood and wood-derived fuels, biomass waste, and total biomass inputs to the production of fuel ethanol and biodiesel.

R=Revised. P=Preliminary. NA=Not available. (s)=Less than 0.0005 quadrillion Btu.

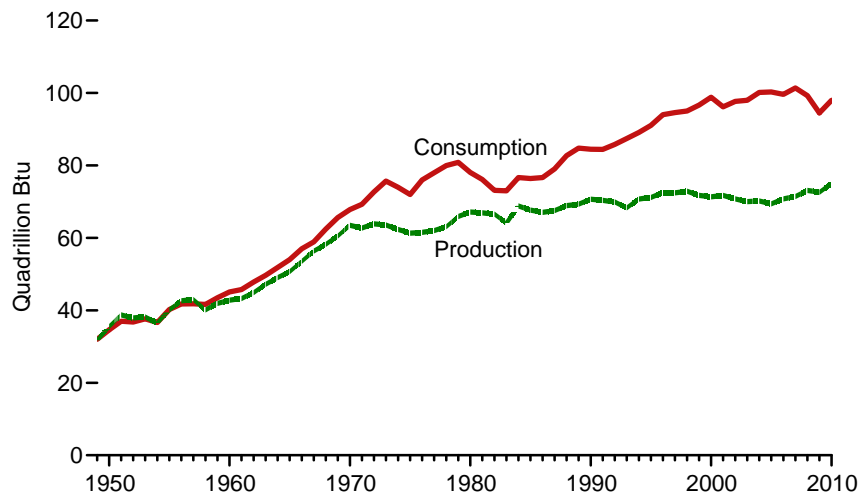
Notes: • See "Primary Energy Production" in Glossary. • Totals may not equal sum of components due to independent rounding.

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

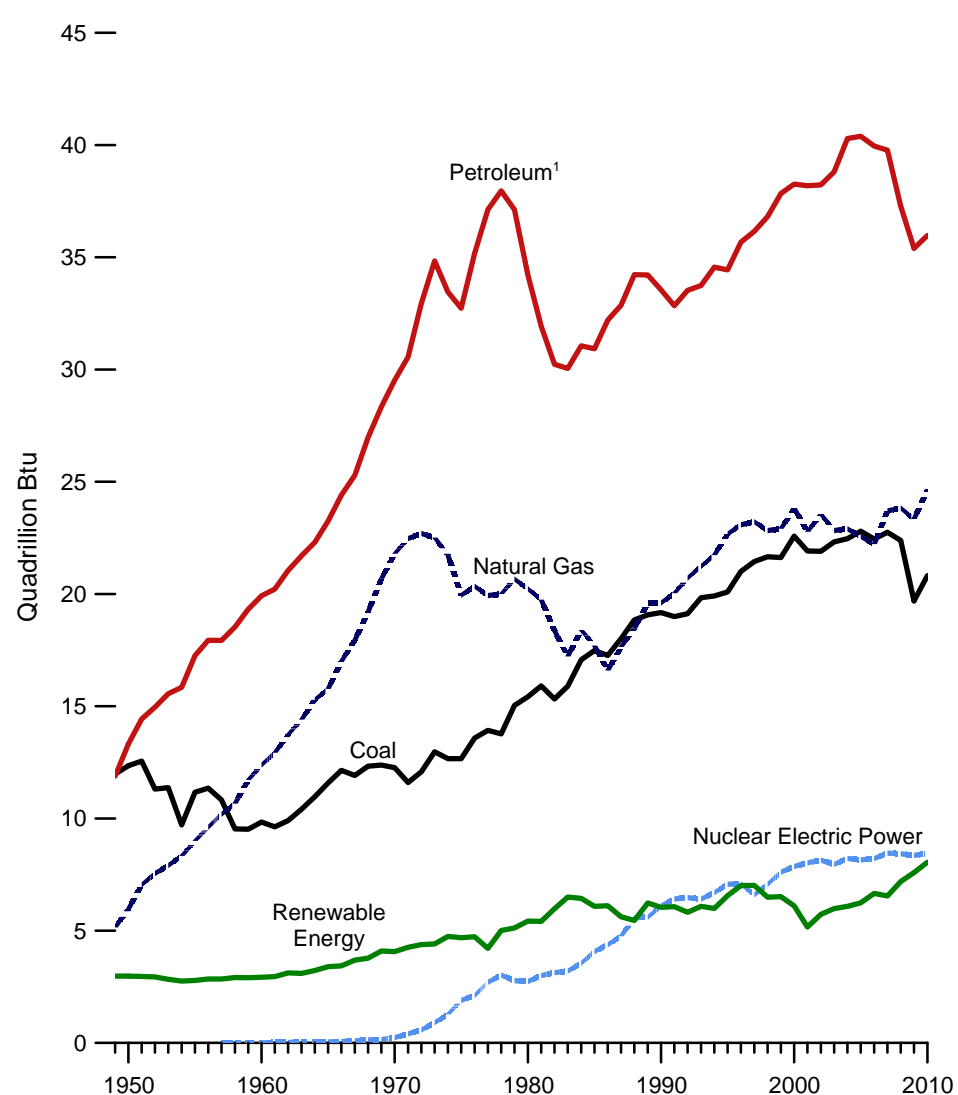
Sources: Tables 5.1, 6.1, 7.1, 8.2a, 10.1, A2, A4, A5, and A6.

Figure 1.3 Primary Energy Consumption Estimates by Source

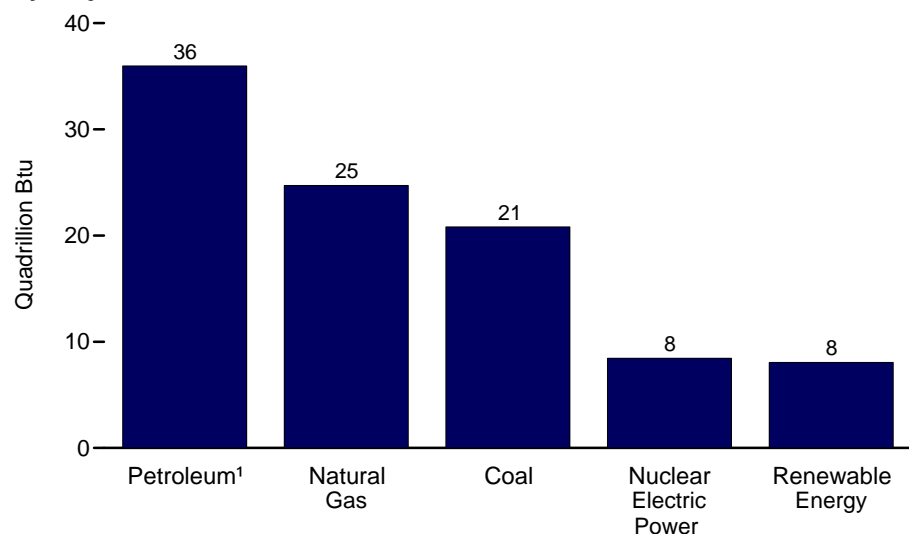
Production and Consumption, 1949-2010



By Major Source, 1949-2010



By Major Source, 2010



¹ Petroleum products supplied, including natural gas plant liquids and crude oil burned as fuel. Does not include biofuels that have been blended with petroleum—biofuels are included in “Renewable Energy.” For petroleum, product supplied is used as an approximation of

petroleum consumption. See Note 1, “Petroleum Products Supplied and Petroleum Consumption,” at the end of Section 5
Sources: Tables 1.2 and 1.3.

Table 1.3 Primary Energy Consumption Estimates by Source, Selected Years, 1949-2010
(Quadrillion Btu)

Year	Fossil Fuels					Nuclear Electric Power	Renewable Energy ¹					Electricity Net Imports ³	Total
	Coal	Coal Coke Net Imports ³	Natural Gas ⁴	Petroleum ⁵	Total		Noncombustible ²			Biomass ⁷	Total		
							Captured Energy ⁶	Adjustment for Fossil Fuel Equivalence ⁶	Total ^{6,7}				
1949	11.981	-0.007	5.145	11.883	29.002	0.000	0.323	1.101	1.425	1.549	2.974	0.005	31.982
1950	12.347	.001	5.968	13.315	31.632	.000	.344	1.071	1.415	1.562	2.978	.006	34.616
1955	11.167	-.010	8.998	17.255	37.410	.000	.397	.963	1.360	1.424	2.784	.014	40.208
1960	9.838	-.006	12.385	19.919	42.137	.006	.510	1.098	1.608	1.320	R2.928	.015	R45.086
1965	11.581	-.018	15.769	23.246	50.577	.043	.673	1.388	2.061	1.335	R3.396	(s)	R54.015
1970	12.265	-.058	21.795	29.521	63.522	.239	.858	1.781	2.639	1.431	R4.070	.007	R67.838
1975	12.663	.014	19.948	R32.732	R65.357	1.900	1.045	2.143	3.188	1.499	R4.687	.021	R71.965
1976	13.584	(s)	20.345	R35.178	R69.107	2.111	.991	2.022	3.014	1.713	R4.727	.029	R75.975
1977	13.922	.015	19.931	R37.124	R70.991	2.702	.775	1.595	2.371	1.838	R4.209	.059	R77.961
1978	13.766	.125	20.000	R37.963	R71.854	3.024	.977	1.990	2.968	2.038	R5.005	.067	R79.950
1979	15.040	.063	20.666	R37.122	R72.891	2.776	.979	1.992	2.971	2.152	R5.123	.069	R80.859
1980	15.423	-.035	20.235	R34.205	R69.828	2.739	.970	1.983	2.953	2.476	R5.428	.071	R78.067
1981	15.908	-.016	19.747	R31.932	R67.571	3.008	.920	1.898	2.817	2.596	R5.414	.113	R76.106
1982	15.322	-.022	18.356	30.232	63.888	3.131	1.082	2.234	3.316	2.663	R5.980	.100	R73.099
1983	15.894	-.016	17.221	R30.052	R63.152	3.203	1.165	2.426	3.591	2.904	R6.496	.121	R72.971
1984	17.071	-.011	18.394	R31.053	R66.506	3.553	1.133	2.334	3.467	2.971	R6.438	.135	R76.632
1985	17.478	-.013	17.703	R30.925	R66.093	4.076	1.002	2.066	3.068	3.016	R6.084	.140	R76.392
1986	17.260	-.017	16.591	R32.198	R66.033	4.380	1.038	2.141	3.179	2.932	R6.111	.122	R76.647
1987	18.008	.009	17.640	R32.864	R68.521	4.754	.900	1.847	2.747	2.875	R5.622	.158	R79.054
1988	18.846	.040	18.448	R34.223	R71.557	5.587	.807	1.634	2.441	3.016	R5.457	.108	R82.709
1989	19.070	.030	19.602	R34.209	R72.911	5.602	1.048	2.028	3.076	3.159	R6.235	.037	R84.786
1990	19.173	.005	19.603	R33.552	R72.332	6.104	1.128	2.177	3.306	2.735	R6.041	.008	R84.485
1991	18.992	.010	20.033	R32.846	71.880	6.422	1.121	2.166	3.287	2.782	R6.069	.067	R84.438
1992	19.122	.035	20.714	R33.525	R73.396	6.479	1.001	1.889	2.890	2.932	R5.821	.087	R85.783
1993	19.835	.027	21.229	R33.745	R74.836	6.410	1.100	2.074	3.174	2.908	R6.083	.095	R87.424
1994	19.909	.058	21.728	34.561	R76.256	6.694	1.030	1.930	2.961	3.028	R5.988	.153	R89.091
1995	20.089	.061	22.671	R34.438	R77.259	7.075	1.197	2.262	3.459	3.101	R6.560	.134	R91.029
1996	21.002	.023	23.085	R35.675	R79.785	7.087	1.326	2.530	3.857	3.157	R7.014	.137	R94.022
1997	21.445	.046	23.223	36.159	R80.873	6.597	1.360	2.550	3.910	3.105	R7.016	.116	R94.602
1998	21.656	.067	22.830	36.816	81.369	7.068	1.247	2.318	3.565	R2.927	R6.493	.088	R95.018
1999	21.623	.058	22.909	R37.838	82.427	7.610	1.240	2.312	3.552	2.963	R6.516	.099	R96.652
2000	22.580	.065	23.824	R38.262	R84.731	7.862	1.090	2.008	3.098	3.008	R6.106	.115	R98.815
2001	21.914	.029	22.773	R38.186	82.902	8.029	.893	1.647	2.540	2.622	R5.163	.075	R96.168
2002	21.904	.061	23.558	R38.224	R83.747	8.145	1.070	1.959	3.029	2.701	R5.729	.072	R97.693
2003	22.321	.051	22.831	R38.811	R84.014	7.959	1.114	2.062	3.176	2.807	R5.983	.022	R97.978
2004	22.466	.138	22.909	40.292	85.805	8.222	1.103	1.969	3.073	3.010	R6.082	.039	R100.148
2005	22.797	.044	22.561	R40.388	R85.790	8.161	1.127	1.998	3.125	R3.116	R6.242	R.085	R100.277
2006	22.447	.061	22.224	39.955	84.687	8.215	1.229	2.153	3.382	R3.276	R6.659	.063	R99.624
2007	22.749	.025	23.702	R39.774	R86.251	8.455	1.125	1.924	3.048	R3.502	R6.551	.107	R101.363
2008	22.385	.041	R23.834	R37.280	R83.540	8.427	1.238	2.099	3.338	3.852	R7.190	.112	R99.268
2009	R19.692	-.024	R23.344	R35.403	R78.416	R8.356	1.382	2.306	3.688	R3.899	R7.587	R.116	R94.475
2010 ^P	20.817	-.006	24.644	35.970	81.425	8.441	1.414	2.340	3.754	4.295	8.049	.088	98.003

¹ Most data are estimates. See Note, "Renewable Energy Production and Consumption," at end of Section 10.

² Conventional hydroelectric power, geothermal, solar thermal, photovoltaic, and wind. See Note 1, "Noncombustible Renewable Energy," at end of section.

³ Net imports equal imports minus exports. A minus sign indicates exports are greater than imports.

⁴ Natural gas only; excludes supplemental gaseous fuels. See Note 1, "Supplemental Gaseous Fuels," at end of Section 6.

⁵ Petroleum products supplied, including natural gas plant liquids and crude oil burned as fuel. Does not include biofuels that have been blended with petroleum—biofuels are included in "Biomass." For petroleum, product supplied is used as an approximation of petroleum consumption. See Note 1,

"Petroleum Products Supplied and Petroleum Consumption," at end of Section 5.

⁶ See Note 1, "Noncombustible Renewable Energy," at end of section.

⁷ See Table 10.1 for a breakdown of individual sources.

R=Revised. P=Preliminary. (s)=Less than 0.0005 and greater than -0.0005 quadrillion Btu.

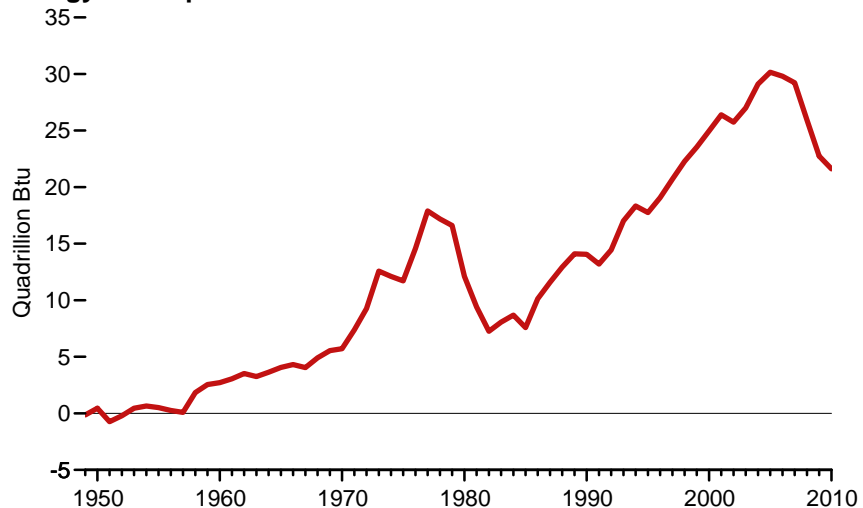
Notes: • See "Primary Energy Consumption" in Glossary. • See Table E1 for estimated energy consumption for 1635-1945. • See Note 3, "Electricity Imports and Exports," at end of Section 8. • Totals may not equal sum of components due to independent rounding.

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

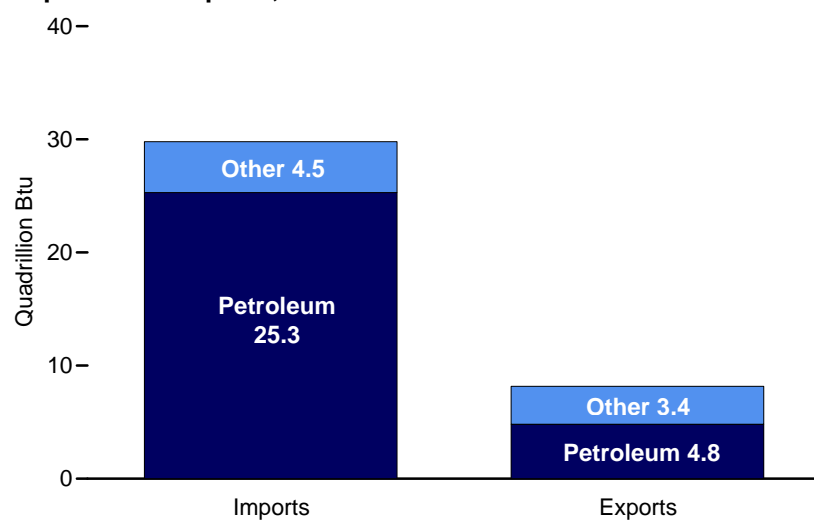
Sources: Tables 5.12, 6.1, 7.1, 7.8, 8.1, 8.2a, 10.1, 10.3, A4, A5, and A6.

Figure 1.4 Primary Energy Trade by Source, 1949-2010

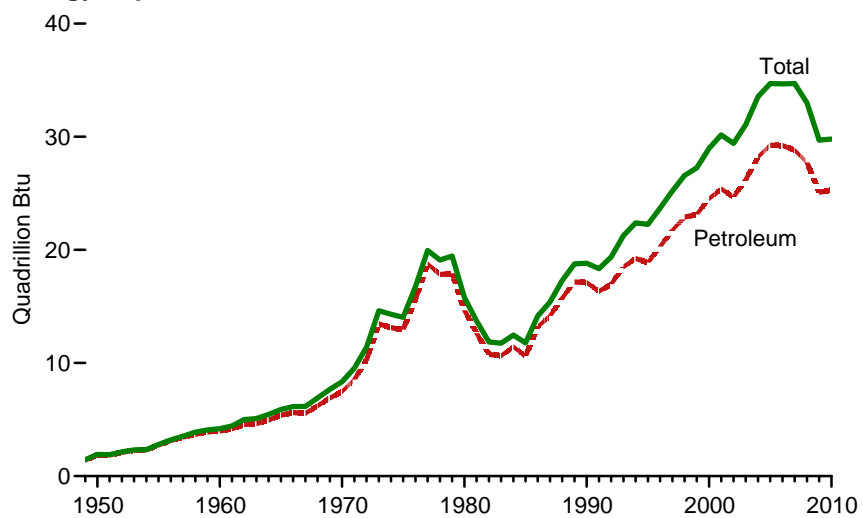
Energy Net Imports



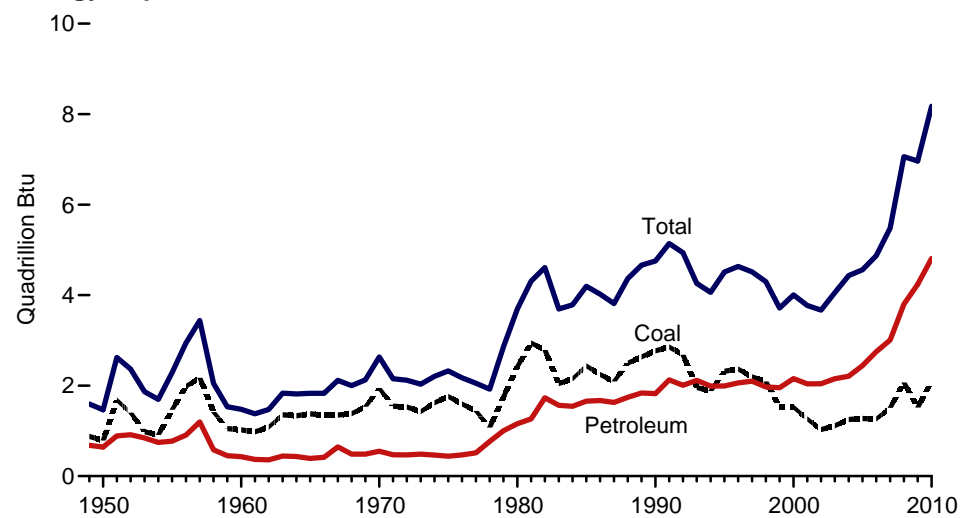
Imports and Exports, 2010



Energy Imports



Energy Exports



Note: Negative net imports are net exports.

Source: Table 1.4.

Table 1.4 Primary Energy Trade by Source, Selected Years, 1949-2010
(Quadrillion Btu)

Year	Imports									Exports									Net Imports ¹
	Coal	Coal Coke	Natural Gas	Petroleum			Bio-fuels ⁴	Elec-tricity	Total	Coal	Coal Coke	Natural Gas	Petroleum			Bio-fuels ⁵	Elec-tricity	Total	
				Crude Oil ²	Petroleum Products ³	Total							Crude Oil ²	Petroleum Products ³	Total				
1949	0.008	0.007	0.000	0.915	0.513	1.427	NA	0.006	1.448	0.877	0.014	0.021	0.192	0.488	0.680	NA	0.001	1.592	-0.144
1950	.009	.011	.000	1.056	.830	1.886	NA	.007	1.913	.786	.010	.027	.202	.440	.642	NA	.001	1.465	.448
1955	.008	.003	.011	1.691	1.061	2.752	NA	.016	2.790	1.465	.013	.032	.067	.707	.774	NA	.002	2.286	.504
1960	.007	.003	.161	2.196	1.802	3.999	NA	.018	4.188	1.023	.009	.012	.018	.413	.431	NA	.003	1.477	2.710
1965	.005	.002	.471	2.654	2.748	5.402	NA	.012	5.892	1.376	.021	.027	.006	.386	.392	NA	.013	1.829	4.063
1970	.001	.004	.846	2.814	4.656	7.470	NA	.021	8.342	1.936	.061	.072	.029	.520	.549	NA	.014	2.632	5.709
1975	.024	.045	.978	8.721	4.227	12.948	NA	.038	14.032	1.761	.032	.074	.012	.427	.439	NA	.017	2.323	11.709
1976	.030	.033	.988	11.239	4.434	15.672	NA	.037	16.760	1.597	.033	.066	.017	.452	.469	NA	.008	2.172	14.588
1977	.041	.045	1.037	14.027	4.728	18.756	NA	.069	19.948	1.442	.031	.056	.106	.408	.514	NA	.009	2.052	17.896
1978	.074	.142	.995	13.460	4.364	17.824	NA	.072	19.106	1.078	.017	.053	.335	.432	.767	NA	.005	1.920	17.186
1979	.051	.099	1.300	13.825	4.108	17.933	NA	.077	19.460	1.753	.036	.056	.497	.505	1.002	NA	.007	2.855	16.605
1980	.030	.016	1.006	11.195	3.463	14.658	NA	.085	15.796	2.421	.051	.049	.609	.551	1.160	NA	.014	3.695	12.101
1981	.026	.013	.917	9.336	3.303	12.639	NA	.124	13.719	2.944	.029	.060	.482	.781	1.264	NA	.010	4.307	9.412
1982	.019	.003	.950	7.418	3.360	10.777	NA	.112	11.861	2.787	.025	.052	.500	1.231	1.732	NA	.012	4.608	7.253
1983	.032	.001	.940	7.079	3.568	10.647	NA	.132	11.752	2.045	.016	.055	.348	1.217	1.565	NA	.011	3.693	8.059
1984	.032	.014	.847	7.302	4.131	11.433	NA	.144	12.471	2.151	.026	.055	.384	1.161	1.545	NA	.009	3.786	8.685
1985	.049	.014	.952	6.814	3.796	10.609	NA	.157	11.781	2.438	.028	.056	.432	1.225	1.657	NA	.017	4.196	7.584
1986	.055	.008	.748	9.002	4.199	13.201	NA	.139	14.151	2.248	.025	.062	.326	1.344	1.670	NA	.016	4.021	10.130
1987	.044	.023	.992	10.067	4.095	14.162	NA	.178	15.398	2.093	.014	.055	.319	1.311	1.630	NA	.020	3.812	11.586
1988	.053	.067	1.296	11.027	4.720	15.747	NA	.133	17.296	2.499	.027	.075	.329	1.412	1.741	NA	.024	4.366	12.929
1989	.071	.057	1.387	12.596	4.565	17.162	NA	.089	18.766	2.637	.027	.109	.300	1.536	1.836	NA	.052	4.661	14.105
1990	.067	.019	1.551	12.766	4.351	17.117	NA	.063	18.817	2.772	.014	.087	.230	1.594	1.824	NA	.055	4.752	14.065
1991	.085	.029	1.798	12.553	3.794	16.348	NA	.075	18.335	2.854	.020	.132	.246	1.882	2.128	NA	.008	5.141	13.194
1992	.095	.052	2.161	13.253	3.714	16.968	NA	.096	19.372	2.682	.017	.220	.188	1.819	2.008	NA	.010	4.937	14.435
1993	.205	.053	2.397	14.749	3.760	18.510	.001	.107	21.273	1.962	.026	.142	.208	1.907	2.115	NA	.012	4.258	17.014
1994	.222	.083	2.682	15.340	3.904	19.243	.001	.160	22.390	1.879	.024	.164	.209	1.779	1.988	NA	.007	4.061	18.329
1995	.237	.095	2.901	15.669	3.211	18.881	.001	.146	22.260	2.318	.034	.156	.200	1.791	1.991	NA	.012	4.511	17.750
1996	.203	.063	3.002	16.341	3.943	20.284	.001	.148	23.702	2.368	.040	.155	.233	1.825	2.059	NA	.011	4.633	19.069
1997	.187	.078	3.063	17.876	3.864	21.740	(s)	.147	25.215	2.193	.031	.159	.228	1.872	2.100	NA	.031	4.514	20.701
1998	.218	.095	3.225	18.916	3.992	22.908	(s)	.135	26.581	2.092	.028	.161	.233	1.740	1.972	NA	.047	4.299	22.281
1999	.227	.080	3.664	18.935	4.198	23.133	(s)	.147	27.252	1.525	.022	.164	.250	1.705	1.955	NA	.049	3.715	23.537
2000	.313	.094	3.869	19.783	4.749	24.531	(s)	.166	28.973	1.528	.028	.245	.106	2.048	2.154	NA	.051	4.006	24.967
2001	.495	.063	4.068	20.348	R5.051	25.398	.002	.131	30.157	1.265	.033	.377	.043	1.996	R2.039	(s)	.056	R3.771	26.386
2002	.422	.080	4.104	19.920	R4.754	R24.674	.002	.125	R29.408	1.032	.020	.520	.019	2.023	2.042	(s)	.054	R3.669	25.739
2003	.626	.068	4.042	21.060	R5.159	R26.219	.002	.104	31.061	1.117	.018	.686	.026	2.124	R2.151	.001	.082	4.054	27.007
2004	.682	.170	4.365	22.082	6.114	R28.197	.013	.117	R33.544	1.253	.033	.862	.057	R2.151	R2.208	.001	.078	R4.434	29.110
2005	.762	.088	4.450	22.091	R7.157	R29.248	R.012	R.150	R34.709	1.273	.043	.735	.067	R2.374	R2.442	.001	R.065	R4.560	30.149
2006	.906	.101	4.291	22.085	R7.084	R29.169	R.066	.146	R34.679	1.264	.040	.730	.052	R2.699	R2.751	.004	.083	R4.872	R29.806
2007	.909	.061	4.723	21.914	R6.868	R28.781	R.054	.175	R34.703	1.507	.036	.830	.058	R2.949	R3.007	.035	.069	R5.482	R29.221
2008	.855	.089	4.084	21.448	R6.237	R27.685	R.084	.195	R32.992	2.071	.049	R.972	.061	R3.739	R3.800	.086	R.083	R7.060	R25.932
2009	.566	.009	R3.845	R19.699	R5.383	R25.082	.026	R.178	R29.706	1.515	.032	R1.082	.093	R4.147	R4.240	.034	.062	R6.965	R22.741
2010 ^P	.484	.030	3.830	20.030	5.260	25.290	.004	.154	29.792	2.101	.036	1.147	.088	4.721	4.809	.013	.066	8.173	21.619

¹ Net imports equal imports minus exports. Minus sign indicates exports are greater than imports.

² Crude oil and lease condensate. Imports data include imports into the Strategic Petroleum Reserve, which began in 1977.

³ Petroleum products, unfinished oils, pentanes plus, and gasoline blending components. Does not include biofuels.

⁴ Fuel ethanol (minus denaturant) and biodiesel.

⁵ Biodiesel only.

R=Revised. P=Preliminary. NA=Not available. (s)=Less than 0.0005 quadrillion Btu.

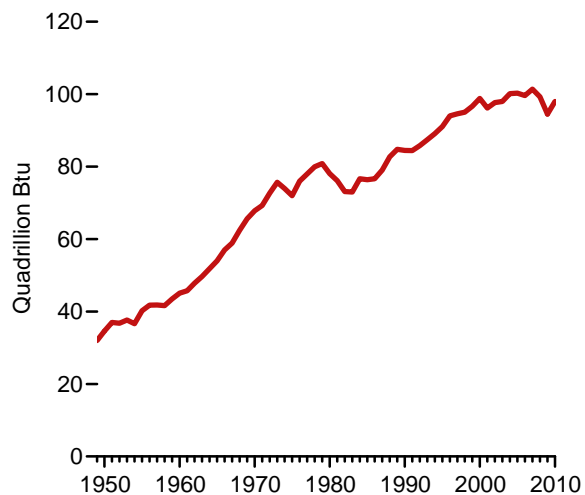
Notes: • Includes trade between the United States (50 States and the District of Columbia) and its territories and possessions. • See "Primary Energy" in Glossary. • See Note 3, "Electricity Imports and Exports," at end of Section 8. • Totals may not equal sum of components due to independent rounding.

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

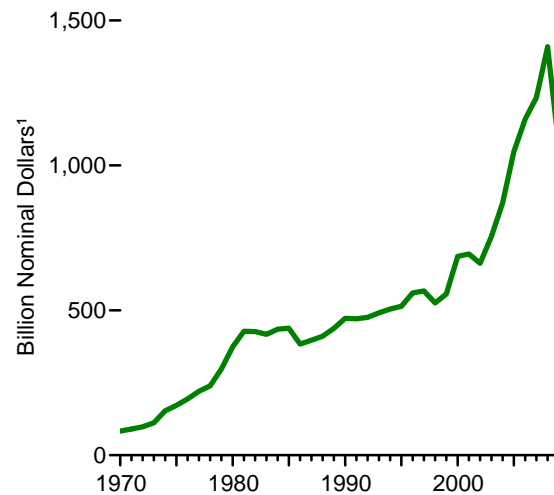
Sources: Tables 5.1b, 5.3, 5.5, 6.1, 7.1, 7.7, 8.1, 10.3, 10.4, A2, A3, A4, A5, and A6.

Figure 1.5 Energy Consumption and Expenditures Indicators Estimates

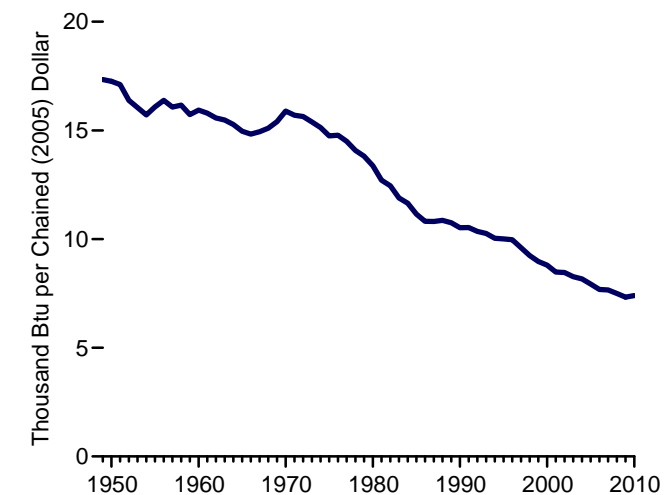
Energy Consumption, 1949-2010



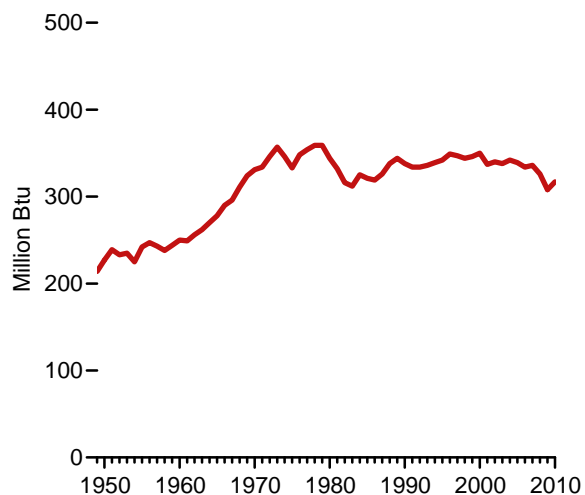
Energy Expenditures, 1970-2009



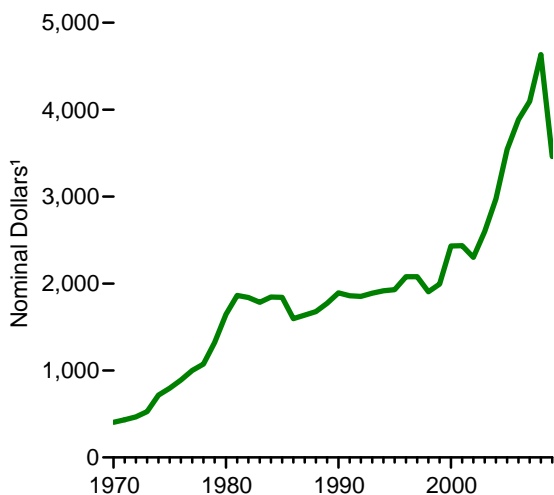
Energy Consumption per Real Dollar² of Gross Domestic Product, 1949-2010



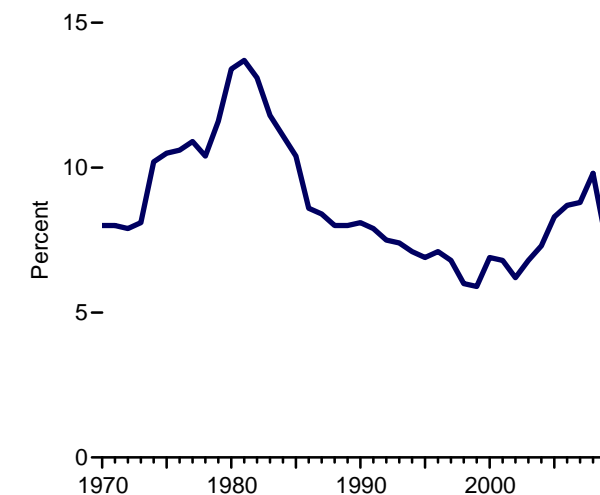
Energy Consumption per Person, 1949-2010



Energy Expenditures per Person, 1970-2009



Energy Expenditures as Share of Gross Domestic Product, 1970-2009



¹ See "Nominal Dollars" in Glossary

² In chained (2005) dollars, calculated by using gross domestic product implicit price deflators, See Appendix D1.

Source: Table 1.5.

Table 1.5 Energy Consumption, Expenditures, and Emissions Indicators Estimates, Selected Years, 1949-2010

	Energy Consumption	Energy Consumption per Person	Energy Expenditures ¹	Energy Expenditures ¹ per Person	Gross Domestic Product (GDP)	Energy Expenditures ¹ as Share of GDP	Gross Domestic Product (GDP)	Energy Consumption per Real Dollar of GDP	Greenhouse Gas Emissions ² per Real Dollar of GDP	Carbon Dioxide Emissions ³ per Real Dollar of GDP
Year	Quadrillion Btu	Million Btu	Million Nominal Dollars ⁴	Nominal Dollars ⁴	Billion Nominal Dollars ⁴	Percent	Billion Chained (2005) Dollars ⁵	Thousand Btu per Chained (2005) Dollar ⁵	Metric Tons Carbon Dioxide Equivalent per Million Chained (2005) Dollars ⁵	Metric Tons Carbon Dioxide per Million Chained (2005) Dollars ⁵
1949	31.982	214	NA	NA	267.2	NA	1,844.7	17.34	NA	1,196
1950	34.616	227	NA	NA	293.7	NA	2,006.0	17.26	NA	1,187
1955	40.208	242	NA	NA	414.7	NA	2,500.3	16.08	NA	1,074
1960	^R 45.086	250	NA	NA	526.4	NA	2,830.9	15.93	NA	1,029
1965	^R 54.015	278	NA	NA	719.1	NA	3,610.1	14.96	NA	959
1970	^R 67.838	331	^R 82,860	404	1,038.3	8.0	4,269.9	15.89	NA	998
1975	^R 71.965	333	^R 171,773	^R 795	1,637.7	10.5	4,879.5	^R 14.75	NA	909
1976	^R 75.975	^R 348	^R 193,821	889	1,824.6	10.6	5,141.3	14.78	NA	915
1977	^R 77.961	354	^R 220,372	1,001	2,030.1	10.9	5,377.7	14.50	NA	901
1978	^R 79.950	359	^R 239,152	^R 1,074	2,293.8	10.4	5,677.6	^R 14.08	NA	862
1979	^R 80.859	359	^R 297,459	1,322	2,562.2	11.6	5,855.0	^R 13.81	NA	848
1980	^R 78.067	344	^R 374,244	1,647	2,788.1	13.4	5,839.0	^R 13.37	^R 1,011	817
1981	^R 76.106	332	^R 427,775	^R 1,864	3,126.8	13.7	5,987.2	^R 12.71	^R 969	775
1982	^R 73.099	316	^R 426,328	^R 1,840	3,253.2	13.1	5,870.9	^R 12.45	^R 940	751
1983	^R 72.971	312	^R 417,291	1,785	3,534.6	11.8	6,136.2	^R 11.89	^R 891	714
1984	^R 76.632	325	^R 435,034	1,845	3,930.9	11.1	6,577.1	^R 11.65	^R 876	701
1985	^R 76.392	321	^R 438,176	1,842	4,217.5	10.4	6,849.3	^R 11.15	^R 843	672
1986	^R 76.647	^R 319	^R 383,386	1,597	4,460.1	8.6	7,086.5	^R 10.82	^R 813	650
1987	^R 79.054	^R 326	^R 396,454	^R 1,636	4,736.4	8.4	7,313.3	^R 10.81	^R 812	651
1988	^R 82.709	^R 338	^R 410,380	^R 1,678	5,100.4	8.0	7,613.9	^R 10.86	^R 810	654
1989	^R 84.786	344	^R 437,521	1,773	5,482.1	8.0	7,885.9	^R 10.75	^R 793	643
1990	^R 84.485	^R 338	^R 472,444	1,893	5,800.5	8.1	8,033.9	^R 10.52	^R 763	^R 627
1991	^R 84.438	334	^R 470,435	1,860	5,992.1	7.9	8,015.1	^R 10.53	^R 759	^R 623
1992	^R 85.783	^R 334	^R 475,438	^R 1,853	6,342.3	7.5	8,287.1	^R 10.35	^R 749	^R 615
1993	^R 87.424	^R 336	^R 490,999	^R 1,889	6,667.4	7.4	8,523.4	^R 10.26	^R 738	^R 608
1994	^R 89.091	339	^R 504,073	1,916	7,085.2	7.1	8,870.7	^R 10.04	^R 720	^R 593
1995	^R 91.029	342	^R 513,947	1,930	7,414.7	6.9	9,093.7	^R 10.01	^R 708	^R 584
1996	^R 94.022	^R 349	^R 559,890	^R 2,078	7,838.5	7.1	9,433.9	^R 9.97	^R 703	^R 583
1997	^R 94.602	^R 347	^R 566,714	2,079	8,332.4	6.8	9,854.3	^R 9.60	^R 677	^R 566
1998	^R 95.018	^R 344	^R 525,515	^R 1,905	8,793.5	6.0	10,283.5	^R 9.24	^R 652	^R 547
1999	^R 96.652	^R 346	^R 556,392	1,994	9,353.5	5.9	10,779.8	^R 8.97	^R 626	^R 527
2000	^R 98.815	^R 350	^R 685,922	^R 2,431	9,951.5	6.9	11,226.0	^R 8.80	^R 618	^R 523
2001	^R 96.168	^R 337	^R 694,484	2,436	10,286.2	6.8	11,347.2	^R 8.48	^R 600	^R 508
2002	^R 97.693	340	^R 662,246	^R 2,301	10,642.3	6.2	11,553.0	^R 8.46	^R 596	^R 503
2003	^R 97.978	338	^R 754,708	^R 2,600	11,142.1	6.8	11,840.7	^R 8.27	^R 586	^R 495
2004	^R 100.148	342	^R 870,956	^R 2,973	11,867.8	7.3	12,263.8	^R 8.17	^R 577	^R 487
2005	^R 100.277	^R 339	^R 1,046,843	^R 3,541	12,638.4	8.3	12,638.4	^R 7.93	^R 563	^R 474
2006	^R 99.624	334	^R 1,159,485	^R 3,885	13,398.9	^R 8.7	12,976.2	^R 7.68	^R 542	^R 456
2007	^R 101.363	^R 336	^R 1,234,240	^R 4,095	^R 14,061.8	8.8	^R 13,228.9	^R 7.66	^R 541	^R 455
2008	^R 99.268	^R 326	^R 1,408,685	^R 4,631	^R 14,369.1	^R 9.8	^R 13,228.8	^R 7.50	^R 528	^R 441
2009	^R 94.475	308	^R 1,061,252	^R 3,461	^R 14,119.0	^R 7.5	^R 12,880.6	^R 7.33	^R 510	^R 421
2010 ^P	98.003	317	NA	NA	14,660.4	NA	13,248.2	7.40	NA	425

¹ Expenditures include taxes where data are available.

² Greenhouse gas emissions from anthropogenic sources. See Table 11.1.

³ Carbon dioxide emissions from energy consumption. See Table 11.2

⁴ See "Nominal Dollars" in Glossary.

⁵ See "Chained Dollars" in Glossary.

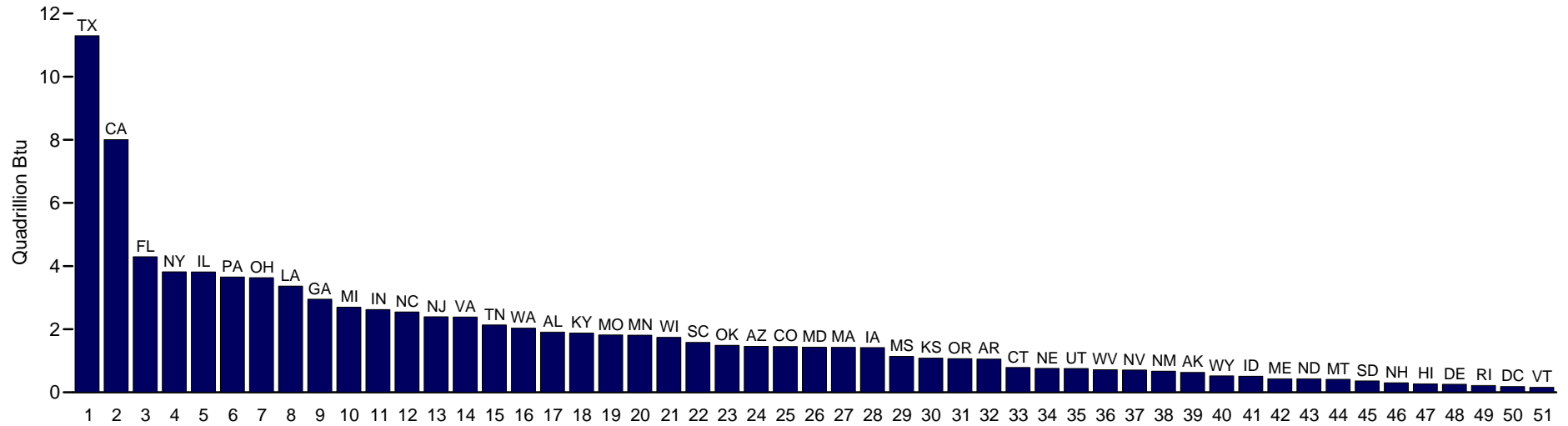
R=Revised. P=Preliminary. NA=Not available.

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

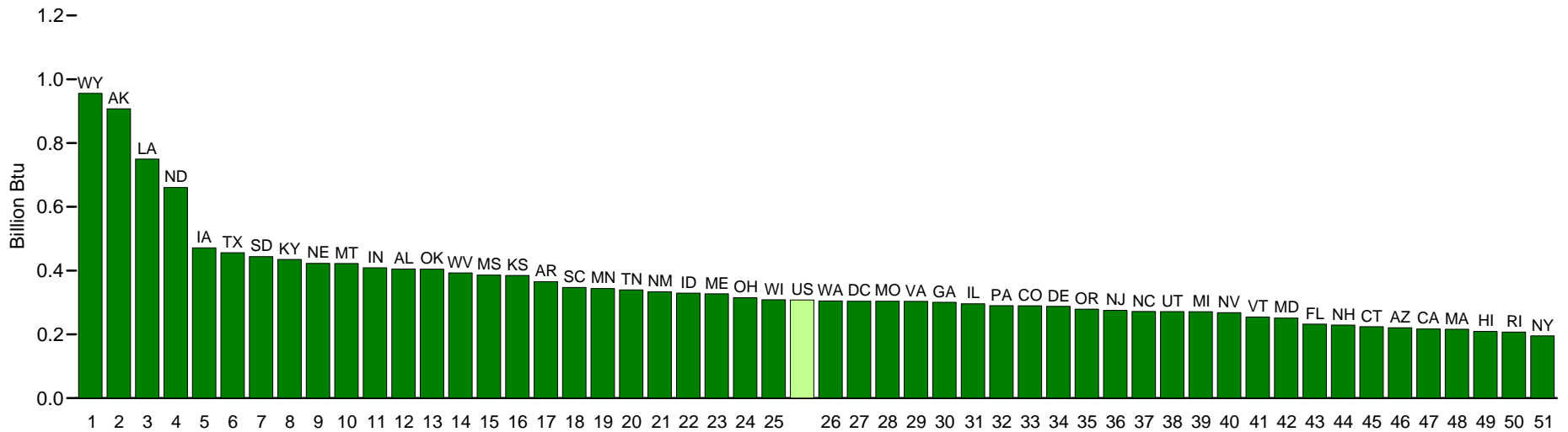
Sources: **Energy Consumption:** Table 1.3. **Energy Expenditures:** Table 3.5. **Gross Domestic Product:** Table D1. **Population Data:** Table D1. **Greenhouse Gas Emissions:** Table 11.1. **Carbon Dioxide Emissions:** Table 11.2. **Other Columns:** Calculated by U.S. Energy Information Administration.

Figure 1.6 State-Level Energy Consumption Estimates and Estimated Consumption per Person, 2009

Consumption



Consumption per Person



Source: Table 1.6.

Table 1.6 State-Level Energy Consumption, Expenditure, and Price Estimates, 2009

Rank	Consumption		Consumption per Person		Expenditures ¹		Expenditures ¹ per Person		Prices ¹	
	Trillion Btu		Million Btu		Million Dollars ²		Dollars ²		Dollars ² per Million Btu	
1	Texas	11,297.4	Wyoming	955.8	Texas	115,217	Alaska	7,684	Hawaii	25.97
2	California	8,005.5	Alaska	907.5	California	104,712	Wyoming	7,155	District of Columbia	25.00
3	Florida	4,295.2	Louisiana	749.8	New York	56,400	North Dakota	5,537	Connecticut	23.66
4	New York	3,818.5	North Dakota	660.8	Florida	54,553	Louisiana	5,390	Massachusetts	22.00
5	Illinois	3,815.1	Iowa	471.5	Pennsylvania	43,319	Texas	4,651	New Hampshire	21.96
6	Pennsylvania	3,654.1	Texas	456.1	Ohio	40,900	Montana	4,358	Vermont	21.71
7	Ohio	3,633.7	South Dakota	443.8	Illinois	40,473	Iowa	4,355	Florida	21.04
8	Louisiana	3,366.3	Kentucky	435.2	New Jersey	33,333	Maine	4,300	Rhode Island	21.00
9	Georgia	2,949.3	Nebraska	422.9	Georgia	32,196	South Dakota	4,136	Maryland	20.82
10	Michigan	2,696.6	Montana	422.4	Michigan	31,289	Delaware	4,065	Delaware	20.80
11	Indiana	2,622.6	Indiana	408.7	North Carolina	29,011	Kentucky	4,053	New York	20.43
12	North Carolina	2,545.4	Alabama	405.1	Virginia	26,739	Alabama	4,040	Nevada	19.72
13	New Jersey	2,393.6	Oklahoma	404.4	Indiana	24,598	Vermont	4,026	Arizona	19.66
14	Virginia	2,385.8	West Virginia	392.9	Louisiana	24,197	District of Columbia	3,940	New Jersey	18.84
15	Tennessee	2,136.0	Mississippi	386.0	Tennessee	22,892	Oklahoma	3,930	California	18.41
16	Washington	2,032.9	Kansas	384.9	Massachusetts	22,617	Nebraska	3,887	North Carolina	18.25
17	Alabama	1,906.8	Arkansas	365.3	Washington	21,019	Mississippi	3,878	Alaska	18.23
18	Kentucky	1,876.6	South Carolina	347.1	Maryland	20,200	Kansas	3,873	Pennsylvania	17.91
19	Missouri	1,817.8	Minnesota	343.8	Missouri	19,933	West Virginia	3,849	Maine	17.60
20	Minnesota	1,809.5	Tennessee	339.5	Wisconsin	19,373	New Jersey	3,834	Virginia	17.37
21	Wisconsin	1,744.6	New Mexico	333.8	Alabama	19,020	Indiana	3,833	Oregon	17.30
22	South Carolina	1,581.0	Idaho	329.5	Minnesota	18,287	Connecticut	3,798	New Mexico	17.18
23	Oklahoma	1,490.6	Maine	327.1	Arizona	17,539	New Hampshire	3,706	Ohio	16.78
24	Arizona	1,454.3	Ohio	315.1	Kentucky	17,477	Arkansas	3,655	Tennessee	16.75
25	Colorado	1,452.2	Wisconsin	308.7	South Carolina	16,554	Tennessee	3,639	Michigan	16.60
26	Maryland	1,429.3	Washington	304.7	Colorado	14,539	South Carolina	3,635	South Carolina	16.55
27	Massachusetts	1,426.0	District of Columbia	304.0	Oklahoma	14,486	Hawaii	3,611	Washington	16.53
28	Iowa	1,418.5	Missouri	303.9	Connecticut	13,349	Maryland	3,551	Missouri	16.50
29	Mississippi	1,138.7	Virginia	303.4	Iowa	13,102	Ohio	3,547	Wisconsin	16.49
30	Kansas	1,084.3	Georgia	300.5	Oregon	11,994	Minnesota	3,475	Mississippi	16.49
31	Oregon	1,066.5	Illinois	295.9	Mississippi	11,441	Pennsylvania	3,437	Georgia	16.48
32	Arkansas	1,054.8	Pennsylvania	290.0	Kansas	10,911	Massachusetts	3,431	Alabama	16.18
33	Connecticut	788.4	Colorado	289.6	Arkansas	10,554	Wisconsin	3,428	Montana	15.82
34	Nebraska	759.1	Delaware	288.1	Nevada	8,866	Virginia	3,401	West Virginia	15.80
35	Utah	754.5	Oregon	279.0	Utah	7,357	Nevada	3,360	Kansas	15.73
36	West Virginia	715.6	New Jersey	275.3	West Virginia	7,010	Missouri	3,332	Oklahoma	15.69
37	Nevada	707.6	North Carolina	272.0	Nebraska	6,977	Georgia	3,281	Arkansas	15.52
38	New Mexico	670.1	Utah	271.3	New Mexico	6,454	Rhode Island	3,242	Illinois	15.49
39	Alaska	630.4	Michigan	270.9	Maine	5,658	New Mexico	3,215	Texas	15.38
40	Wyoming	520.3	Nevada	268.2	Alaska	5,338	Idaho	3,172	Colorado	15.31
41	Idaho	509.0	Vermont	254.5	New Hampshire	4,900	Washington	3,151	Minnesota	15.14
42	Maine	430.5	Maryland	251.3	Idaho	4,899	Michigan	3,143	South Dakota	15.12
43	North Dakota	426.8	Florida	232.0	Hawaii	4,652	Illinois	3,139	Idaho	15.11
44	Montana	411.5	New Hampshire	229.2	Montana	4,245	Oregon	3,137	Kentucky	15.04
45	South Dakota	359.9	Connecticut	224.3	Wyoming	3,895	North Carolina	3,100	Utah	14.81
46	New Hampshire	303.0	Arizona	220.8	Delaware	3,594	Florida	2,947	Nebraska	14.69
47	Hawaii	269.8	California	217.0	North Dakota	3,576	Colorado	2,899	Iowa	14.11
48	Delaware	254.7	Massachusetts	216.3	Rhode Island	3,429	New York	2,889	Indiana	13.90
49	Rhode Island	219.3	Hawaii	209.5	South Dakota	3,354	California	2,839	Wyoming	13.43
50	District of Columbia	182.4	Rhode Island	207.4	Vermont	2,502	Arizona	2,662	North Dakota	11.99
51	Vermont	158.1	New York	195.6	District of Columbia	2,364	Utah	2,646	Louisiana	11.78
	United States	3,494,446.9	United States	308.0	United States	51,061,252	United States	3,461	United States	17.03

¹ Prices and expenditures include taxes where data are available.

² Prices are not adjusted for inflation. See "Nominal Dollars" in Glossary.

³ Includes -23.8 trillion Btu of coal coke net imports, which are not allocated to the States.

⁴ The U.S. consumption value in this table does not match those in Tables 1.1 and 1.3 because it: 1) does not include biodiesel; and 2) is the sum of State values, which use State average heat contents to convert physical units of coal and natural gas to Btu.

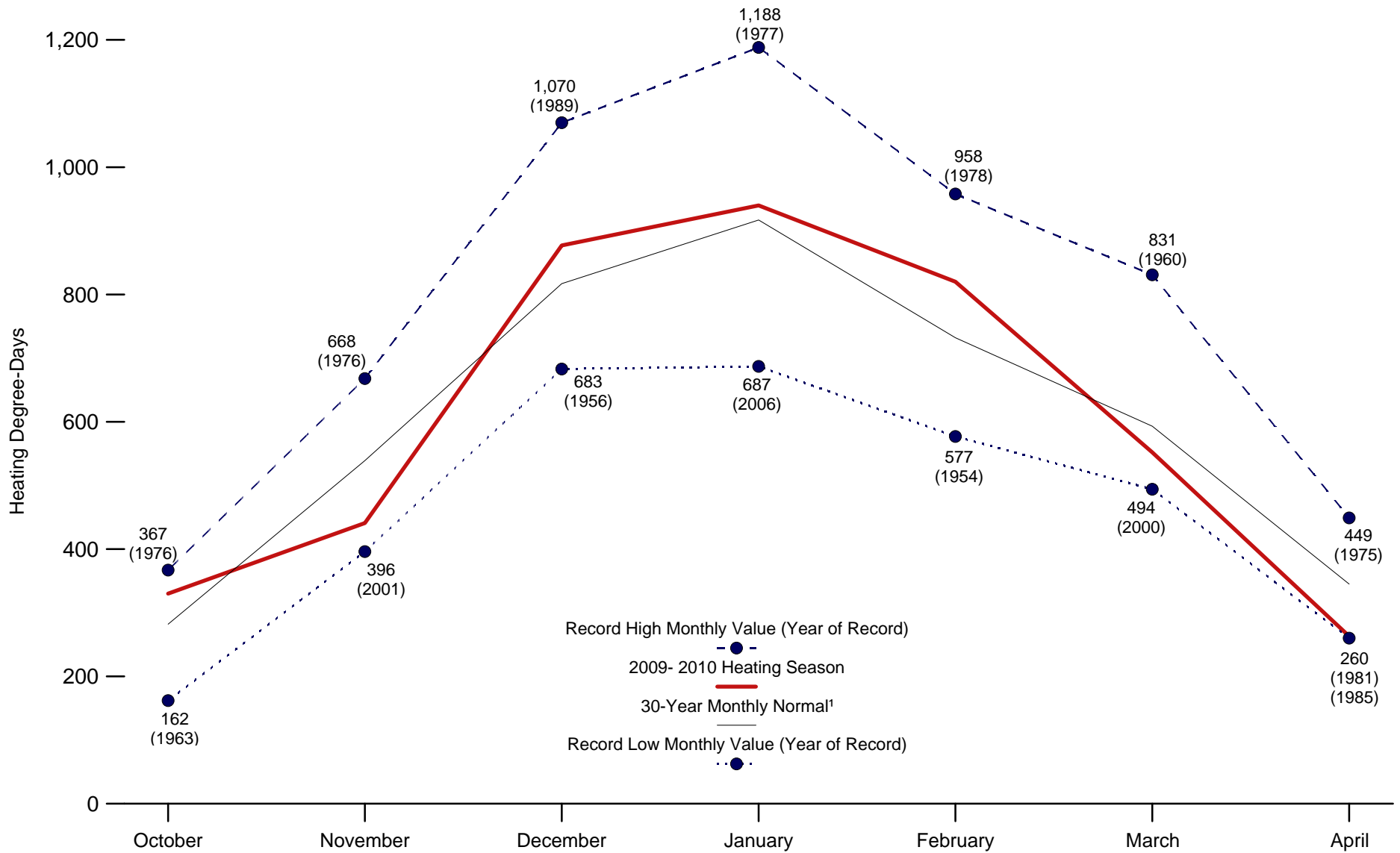
⁵ Includes -\$42 million for coal coke net imports, which are not allocated to the States.

Note: Rankings based on unrounded data.

Web Page: For related information, see <http://www.eia.gov/state/seds/seds-data-complete.cfm>.

Sources: **Consumption:** U.S. Energy Information Administration (EIA), "State Energy Data 2009: Consumption" (June 2011), Tables C10 and C11. **Expenditures and Prices:** EIA, "State Energy Data 2009: Prices and Expenditures" (June 2011), Table E15. "State Energy Data 2009" includes State-level data by end-use sector and type of energy. Consumption estimates are annual 1960 through 2009, and price and expenditure estimates are annual 1970 through 2009.

Figure 1.7 Heating Degree-Days by Month, 1949-2010



¹ Based on calculations of data from 1971 through 2000.

Source: Table 1.7.

Table 1.7 Heating Degree-Days by Month, Selected Years, 1949-2010

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1949	858	701	611	330	128	21	7	9	94	209	503	763	4,234
1950	761	721	693	412	162	40	11	18	85	196	565	872	4,536
1955	927	759	600	272	121	48	9	6	56	237	600	886	4,521
1960	884	780	831	278	160	33	7	11	48	254	502	936	4,724
1965	907	780	738	355	114	48	11	14	78	271	494	739	4,549
1970	1,063	758	685	344	120	31	4	9	55	253	541	801	4,664
1975	821	742	686	449	117	37	5	13	100	235	462	805	4,472
1976	974	609	544	309	178	28	8	19	81	367	668	941	4,726
1977	1,188	751	529	270	119	38	6	13	59	295	493	844	4,605
1978	1,061	958	677	350	157	31	7	11	59	283	517	847	4,958
1979	1,079	950	575	364	148	37	6	15	58	271	528	750	4,781
1980	887	831	680	338	142	49	5	10	54	316	564	831	4,707
1981	984	689	620	260	165	25	6	11	76	327	504	845	4,512
1982	1,067	776	620	408	114	62	7	19	75	264	515	692	4,619
1983	874	706	588	421	189	35	6	5	53	251	509	990	4,627
1984	1,000	645	704	371	172	28	7	7	88	223	565	704	4,514
1985	1,057	807	557	260	123	47	5	17	69	243	506	951	4,642
1986	859	734	542	295	123	30	9	18	76	258	558	793	4,295
1987	920	714	573	309	107	20	8	13	61	345	491	773	4,334
1988	1,004	778	594	344	134	30	3	5	72	352	506	831	4,653
1989	789	832	603	344	163	32	5	14	73	259	542	1,070	4,726
1990	728	655	535	321	184	29	6	10	56	246	457	789	4,016
1991	921	639	564	287	98	30	6	7	69	242	586	751	4,200
1992	852	644	603	345	152	46	14	24	74	301	564	822	4,441
1993	860	827	664	368	128	38	11	9	89	302	580	824	4,700
1994	1,031	813	594	293	174	21	6	16	65	268	479	723	4,483
1995	847	750	556	375	174	31	4	7	77	233	605	872	4,531
1996	945	748	713	360	165	27	8	9	72	276	630	760	4,713
1997	932	672	552	406	198	31	7	16	63	273	592	800	4,542
1998	765	623	596	331	109	41	4	5	33	245	482	717	3,951
1999	861	647	645	319	139	31	5	12	62	275	413	760	4,169
2000	886	643	494	341	115	29	12	12	69	244	610	1,005	4,460
2001	935	725	669	302	115	29	8	6	69	260	396	689	4,203
2002	776	669	622	281	184	23	3	8	37	298	560	812	4,273
2003	944	801	572	344	165	41	4	5	62	260	477	784	4,459
2004	968	766	495	303	107	37	7	20	47	251	487	802	4,290
2005	859	676	648	305	186	25	3	6	39	236	466	866	4,315
2006	687	731	600	264	137	23	2	9	82	304	467	690	3,996
2007	841	853	502	372	111	24	5	7	44	175	521	800	4,255
2008	892	741	617	319	183	26	5	13	52	281	534	831	4,494
2009	969	705	583	330	132	40	14	12	60	330	441	877	4,493
2010 ^P	940	820	552	263	132	27	5	7	50	234	522	909	4,461
Normal ¹	917	732	593	345	159	39	9	15	77	282	539	817	4,524

¹ Based on calculations of data from 1971 through 2000.

P=Preliminary.

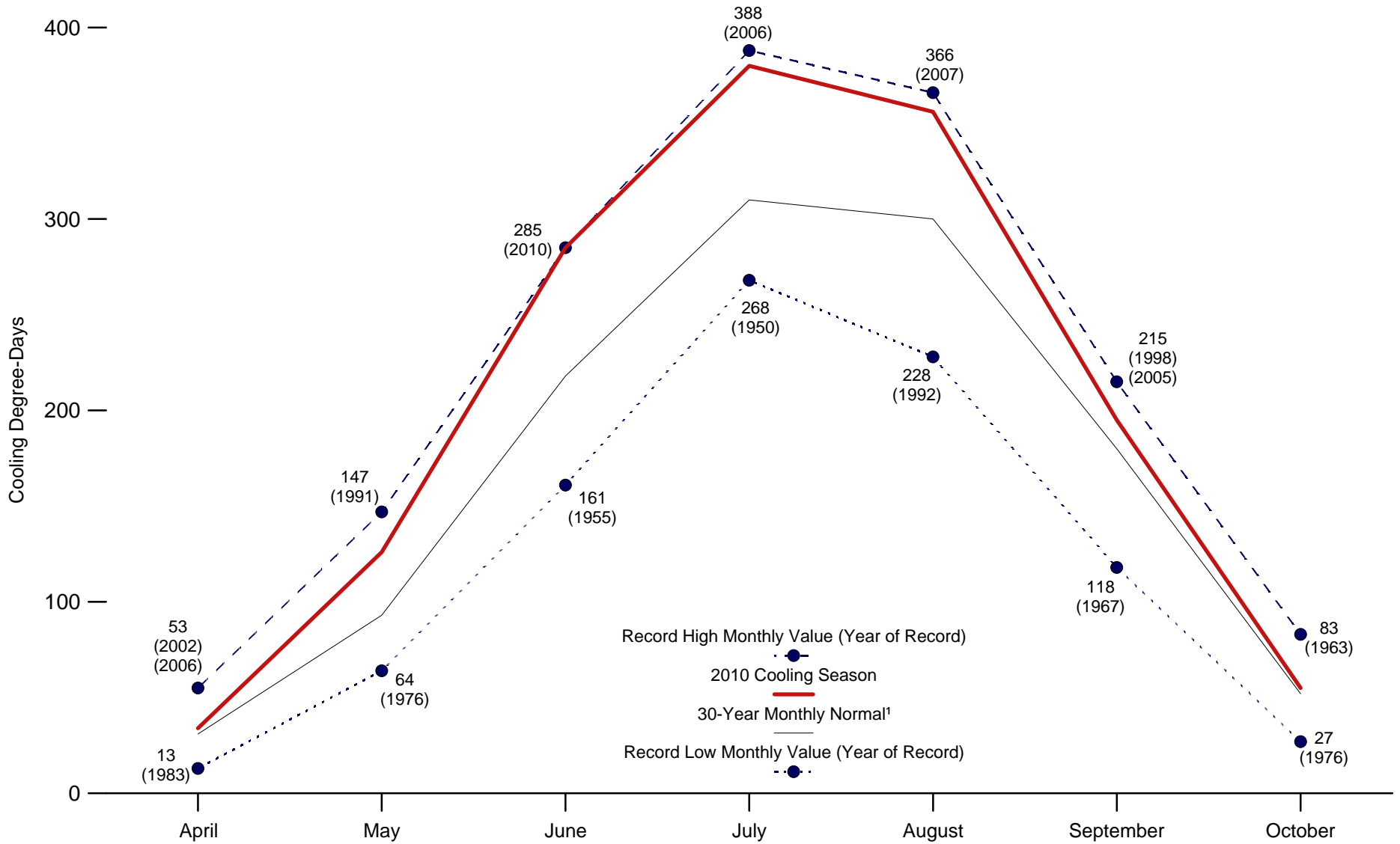
Notes: • This table excludes Alaska and Hawaii. • Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations below the mean daily temperature of 65° F. For example, a weather station recording a mean daily temperature of 40° F would report 25 heating degree-days. • Temperature information recorded by weather stations is used to calculate State-wide degree-day averages based on resident State population. Beginning in July 2001, data are weighted by the

2000 population. The population-weighted State figures are aggregated into Census divisions and the national average.

Web Pages: • See <http://www.eia.gov/totalenergy/data/annual/#summary> for all data beginning in 1949. • For current data, see <http://www.eia.gov/totalenergy/data/monthly/#summary>.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA), National Climatic Data Center, Asheville, North Carolina, Historical Climatology Series 5-1.

Figure 1.8 Cooling Degree-Days by Month, 1949-2010



¹ Based on calculations of data from 1971 through 2000.

Source: Table 1.8.

Table 1.8 Cooling Degree-Days by Month, Selected Years, 1949-2010

Year	January	February	March	April	May	June	July	August	September	October	November	December	Total
1949	16	14	14	27	110	253	367	294	131	70	12	10	1,318
1950	27	12	13	21	105	201	268	244	128	78	9	4	1,110
1955	6	7	20	45	121	161	381	355	182	50	10	6	1,344
1960	7	4	6	37	76	215	301	302	181	59	15	3	1,206
1965	9	7	10	42	125	179	280	273	155	48	19	6	1,153
1970	3	4	10	36	104	201	323	313	185	48	6	9	1,242
1975	14	11	14	24	117	203	301	296	120	55	12	5	1,172
1976	5	11	23	27	64	208	282	243	127	27	8	4	1,029
1977	2	5	21	35	121	212	351	293	180	44	15	6	1,285
1978	3	1	10	31	93	218	310	300	180	52	19	9	1,226
1979	4	4	13	32	82	187	295	266	160	53	11	6	1,113
1980	9	4	13	23	95	199	374	347	192	42	10	5	1,313
1981	3	6	10	52	75	257	333	275	138	43	12	5	1,209
1982	6	10	21	26	115	165	318	262	140	47	15	11	1,136
1983	6	5	9	13	72	193	353	362	172	58	12	5	1,260
1984	5	6	14	24	92	233	291	312	143	70	9	15	1,214
1985	3	5	22	39	108	193	313	269	145	68	25	4	1,194
1986	8	10	17	33	106	231	340	259	161	52	23	9	1,249
1987	5	7	13	23	127	244	334	298	156	40	14	8	1,269
1988	5	5	13	28	89	218	359	348	149	45	18	6	1,283
1989	15	7	19	36	88	208	312	266	138	49	16	2	1,156
1990	15	14	21	29	86	234	316	291	172	57	16	9	1,260
1991	10	9	19	42	147	235	336	305	149	62	8	9	1,331
1992	6	10	15	29	77	170	286	228	150	49	13	7	1,040
1993	13	5	11	19	91	207	347	317	146	47	11	4	1,218
1994	7	9	18	37	76	262	328	263	141	50	20	9	1,220
1995	7	7	18	29	91	202	348	363	150	61	12	5	1,293
1996	7	6	8	26	116	226	299	287	139	45	14	7	1,180
1997	8	11	31	19	81	189	315	268	171	48	10	5	1,156
1998	12	7	10	23	135	228	350	337	215	62	20	11	1,410
1999	12	11	12	40	94	219	374	305	152	55	17	6	1,297
2000	10	10	25	28	131	221	284	302	156	50	8	4	1,229
2001	3	12	11	37	114	220	302	333	138	46	18	11	1,245
2002	8	6	17	53	92	243	370	332	202	57	11	5	1,396
2003	5	7	24	30	110	187	336	345	156	65	21	4	1,290
2004	6	6	28	29	138	208	299	252	177	67	17	5	1,232
2005	10	7	12	24	82	250	367	351	215	55	20	4	1,397
2006	13	5	18	53	109	236	388	337	138	46	14	11	1,368
2007	10	5	29	23	119	236	310	366	191	82	16	12	1,399
2008	7	11	17	31	91	264	334	283	171	48	12	8	1,277
2009	7	7	17	29	117	222	284	307	169	47	16	7	1,229
2010 ^P	3	2	7	34	126	285	380	356	195	55	13	1	1,457
Normal ¹	8	8	18	33	104	216	323	292	160	56	16	8	1,242

¹ Based on calculations of data from 1971 through 2000.

P=Preliminary.

Notes: • This table excludes Alaska and Hawaii. • Degree-days are relative measurements of outdoor air temperature. Cooling degree-days are deviations above the mean daily temperature of 65° F. For example, a weather station recording a mean daily temperature of 78° F would report 13 cooling degree-days. • Temperature information recorded by weather stations is used to calculate State-wide degree-day averages based on resident State population. Beginning in 2002, data are weighted by the

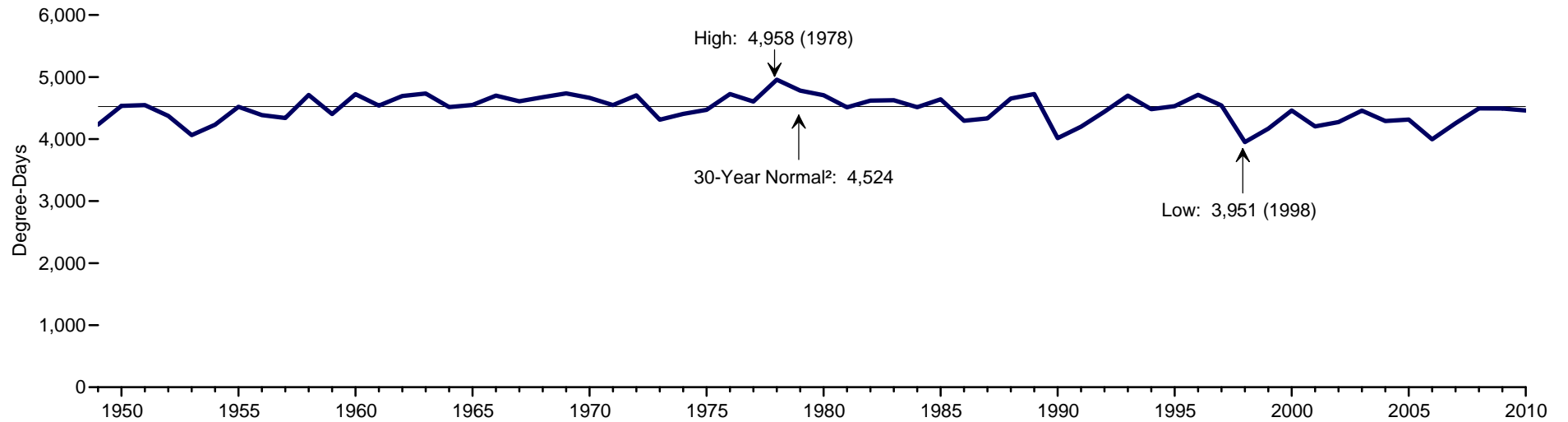
2000 population. The population-weighted State figures are aggregated into Census divisions and the national average.

Web Pages: • See <http://www.eia.gov/totalenergy/data/annual/#summary> for all data beginning in 1949. • For current data, see <http://www.eia.gov/totalenergy/data/monthly/#summary>.

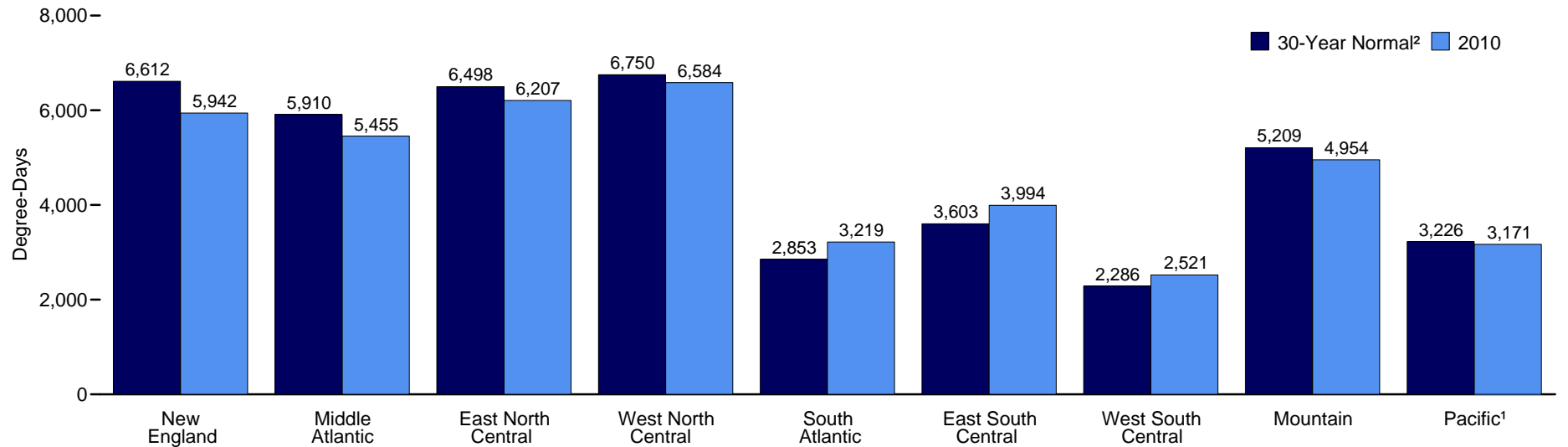
Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA), National Climatic Data Center, Asheville, North Carolina, Historical Climatology Series 5-2.

Figure 1.9 Heating Degree-Days by Census Division

U.S.¹ Heating Degree-Days, 1949-2010



Heating Degree-Days by Census Division, 2010



¹ Excludes Alaska and Hawaii.

² Based on calculations of data from 1971 through 2000.

Note: See Appendix C for map of Census divisions.

Source: Table 1.9.

Table 1.9 Heating Degree-Days by Census Division, Selected Years, 1949-2010

Year	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific ¹	United States ¹
1949	5,829	5,091	5,801	6,479	2,367	2,942	2,133	5,483	3,729	4,234
1950	6,470	5,765	6,619	7,136	2,713	3,315	1,974	4,930	3,355	4,536
1955	6,577	5,708	6,101	6,630	2,786	3,314	2,083	5,517	3,723	4,521
1960	6,561	5,901	6,544	6,884	3,147	3,958	2,551	5,328	3,309	4,724
1965	6,825	5,933	6,284	6,646	2,830	3,374	2,078	5,318	3,378	4,549
1970	6,839	5,943	6,455	6,835	2,997	3,685	2,396	5,436	3,257	4,664
1975	6,362	5,477	6,169	6,678	2,640	3,336	2,187	5,693	3,623	4,472
1976	6,839	6,097	6,768	6,670	3,040	3,881	2,446	5,303	3,115	4,726
1977	6,579	5,889	6,538	6,506	3,047	3,812	2,330	5,060	3,135	4,605
1978	7,061	6,330	7,095	7,324	3,187	4,062	2,764	5,370	3,168	4,958
1979	6,348	5,851	6,921	7,369	2,977	3,900	2,694	5,564	3,202	4,781
1980	6,900	6,143	6,792	6,652	3,099	3,855	2,378	5,052	2,986	4,707
1981	6,612	5,989	6,446	6,115	3,177	3,757	2,162	4,671	2,841	4,512
1982	6,697	5,866	6,542	7,000	2,721	3,357	2,227	5,544	3,449	4,619
1983	6,305	5,733	6,423	6,901	3,057	3,892	2,672	5,359	3,073	4,627
1984	6,442	5,777	6,418	6,582	2,791	3,451	2,194	5,592	3,149	4,514
1985	6,571	5,660	6,546	7,119	2,736	3,602	2,466	5,676	3,441	4,642
1986	6,517	5,665	6,150	6,231	2,686	3,294	2,058	4,870	2,807	4,295
1987	6,546	5,699	5,810	5,712	2,937	3,466	2,292	5,153	3,013	4,334
1988	6,715	6,088	6,590	6,634	3,122	3,800	2,346	5,148	2,975	4,653
1989	6,887	6,134	6,834	6,996	2,944	3,713	2,439	5,173	3,061	4,726
1990	5,848	4,998	5,681	6,011	2,230	2,929	1,944	5,146	3,148	4,016
1991	5,960	5,177	5,906	6,319	2,503	3,211	2,178	5,259	3,109	4,200
1992	6,844	5,964	6,297	6,262	2,852	3,498	2,145	5,054	2,763	4,441
1993	6,728	5,948	6,646	7,168	2,981	3,768	2,489	5,514	3,052	4,700
1994	6,672	5,934	6,378	6,509	2,724	3,394	2,108	5,002	3,155	4,483
1995	6,559	5,831	6,664	6,804	2,967	3,626	2,145	4,953	2,784	4,531
1996	6,679	5,986	6,947	7,345	3,106	3,782	2,285	5,011	2,860	4,713
1997	6,661	5,809	6,617	6,761	2,845	3,664	2,418	5,188	2,754	4,542
1998	5,680	4,812	5,278	5,774	2,429	3,025	2,021	5,059	3,255	3,951
1999	5,952	5,351	5,946	5,921	2,652	3,142	1,835	4,768	3,158	4,169
2000	6,489	5,774	6,284	6,456	2,959	3,548	2,194	4,881	3,012	4,460
2001	6,055	5,323	5,824	6,184	2,641	3,312	2,187	4,895	3,136	4,203
2002	6,099	5,372	6,122	6,465	2,671	3,420	2,307	5,018	3,132	4,273
2003	6,851	6,090	6,528	6,539	2,891	3,503	2,230	4,605	2,918	4,459
2004	6,612	5,749	6,199	6,290	2,748	3,289	2,088	4,844	2,925	4,290
2005	6,551	5,804	6,241	6,202	2,844	3,402	2,051	4,759	2,959	4,315
2006	5,809	5,050	5,712	5,799	2,535	3,239	1,863	4,778	3,116	3,996
2007	6,501	5,623	6,096	6,374	2,584	3,213	2,156	4,830	3,113	4,255
2008	6,395	5,643	6,696	7,112	2,782	3,641	2,178	5,114	3,186	4,494
2009	6,646	5,799	6,540	6,837	2,879	3,588	2,212	5,016	3,150	4,493
2010 ^P	5,942	5,455	6,207	6,584	3,219	3,994	2,521	4,954	3,171	4,461
Normal ²	6,612	5,910	6,498	6,750	2,853	3,603	2,286	5,209	3,226	4,524

¹ Excludes Alaska and Hawaii.

² Based on calculations of data from 1971 through 2000.

P=Preliminary.

Notes: • Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations below the mean daily temperature of 65° F. For example, a weather station recording a mean daily temperature of 40° F would report 25 heating degree-days. • Temperature information recorded by weather stations is used to calculate State-wide degree-day averages based on resident State population.

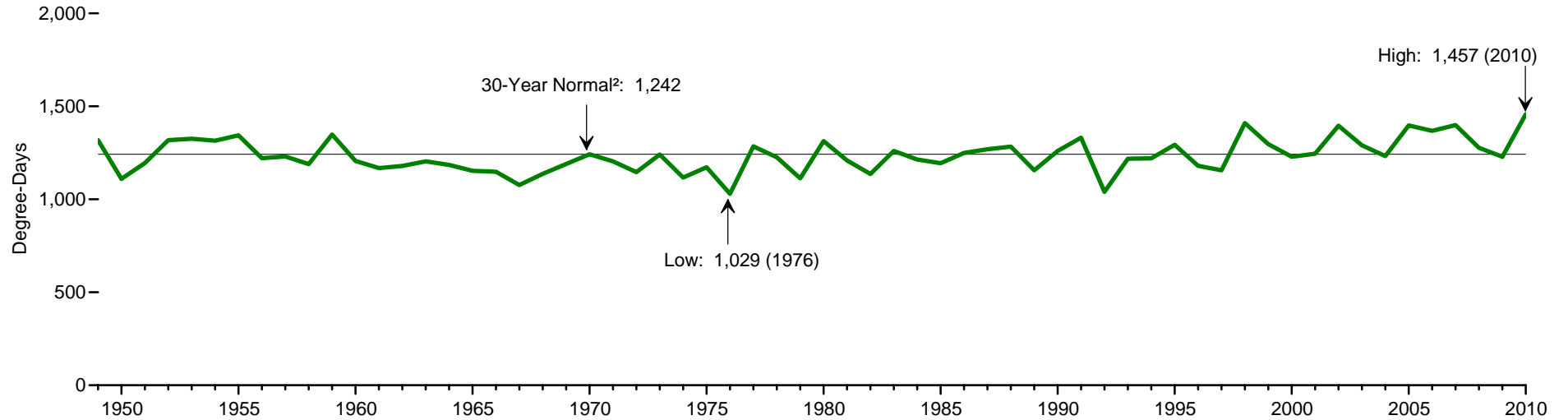
Beginning in July 2001, data are weighted by the 2000 population. The population-weighted State figures are aggregated into Census divisions and the national average. • See Appendix C for map of Census divisions.

Web Pages: • See <http://www.eia.gov/totalenergy/data/annual/#summary> for all data beginning in 1949. • For current data, see <http://www.eia.gov/totalenergy/data/monthly/#summary>.

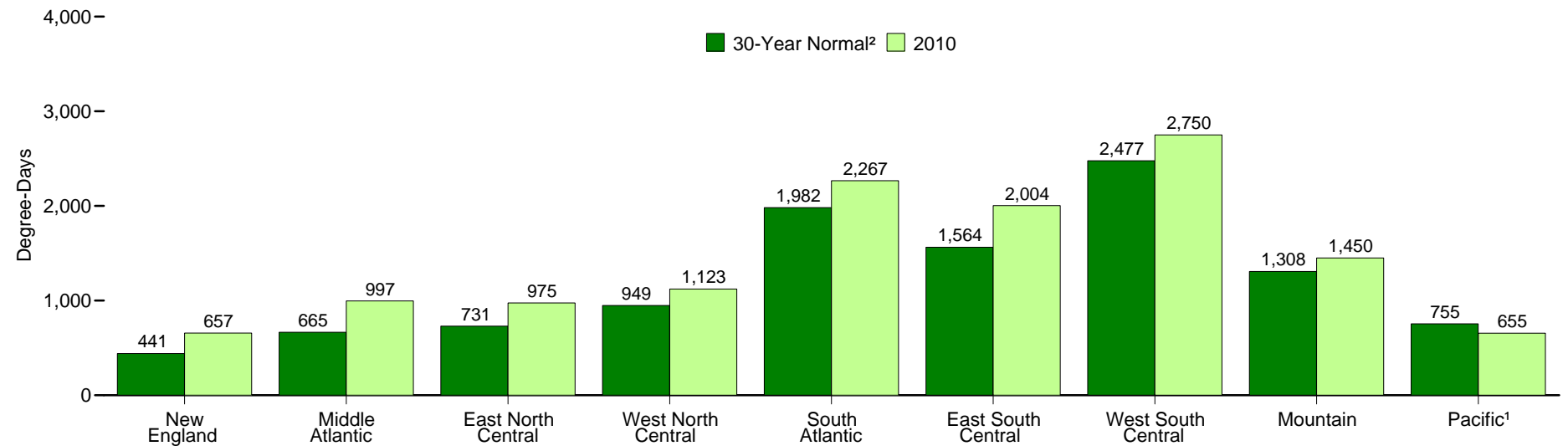
Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA), National Climatic Data Center, Asheville, North Carolina, Historical Climatology Series 5-1.

Figure 1.10 Cooling Degree-Days by Census Division

U.S.¹ Cooling Degree-Days, 1949-2010



Cooling Degree-Days by Census Division, 2010



¹ Excludes Alaska and Hawaii.

² Based on calculations of data from 1971 through 2000.

Note: See Appendix C for map of Census divisions.

Source: Table 1.10.

Table 1.10 Cooling Degree-Days by Census Division, Selected Years, 1949-2010

Year	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific ¹	United States ¹
1949	654	901	949	1,038	2,128	1,776	2,510	1,198	593	1,318
1950	353	542	602	729	1,919	1,568	2,473	1,120	597	1,110
1955	602	934	1,043	1,238	2,045	1,791	2,643	1,124	560	1,344
1960	368	640	722	961	1,926	1,613	2,492	1,308	770	1,206
1965	352	638	688	914	1,931	1,634	2,579	961	542	1,153
1970	479	779	827	1,066	2,007	1,662	2,375	1,163	689	1,242
1975	467	708	788	1,003	2,011	1,520	2,261	1,031	547	1,172
1976	402	597	619	939	1,675	1,232	2,035	1,058	620	1,029
1977	407	689	823	1,122	2,020	1,808	2,720	1,256	715	1,285
1978	378	615	741	1,027	1,972	1,685	2,638	1,174	738	1,226
1979	434	588	618	871	1,833	1,412	2,242	1,164	770	1,113
1980	487	793	816	1,217	2,075	1,834	2,734	1,202	658	1,313
1981	436	657	658	924	1,889	1,576	2,498	1,331	876	1,209
1982	321	541	643	859	1,958	1,537	2,502	1,121	619	1,136
1983	538	799	934	1,178	1,925	1,579	2,288	1,174	776	1,260
1984	468	649	724	955	1,865	1,508	2,469	1,190	956	1,214
1985	372	627	643	830	2,004	1,596	2,599	1,210	737	1,194
1986	301	626	738	1,021	2,149	1,792	2,618	1,188	664	1,249
1987	406	729	918	1,115	2,067	1,718	2,368	1,196	706	1,269
1988	545	782	975	1,230	1,923	1,582	2,422	1,320	729	1,283
1989	426	658	652	864	1,977	1,417	2,295	1,330	685	1,156
1990	477	656	647	983	2,143	1,622	2,579	1,294	827	1,260
1991	511	854	959	1,125	2,197	1,758	2,499	1,182	672	1,331
1992	276	460	449	637	1,777	1,293	2,201	1,206	905	1,040
1993	486	764	735	817	2,092	1,622	2,369	1,113	708	1,218
1994	548	722	664	887	2,005	1,448	2,422	1,436	801	1,220
1995	507	803	921	985	2,081	1,671	2,448	1,234	754	1,293
1996	400	623	629	821	1,867	1,474	2,515	1,381	856	1,180
1997	395	586	574	873	1,886	1,393	2,361	1,335	921	1,156
1998	505	788	889	1,138	2,277	1,928	3,026	1,271	732	1,410
1999	631	882	855	970	2,024	1,733	2,645	1,242	635	1,297
2000	317	542	658	1,023	1,929	1,736	2,787	1,488	756	1,229
2001	519	722	744	1,028	1,891	1,535	2,565	1,498	794	1,245
2002	570	863	933	1,087	2,209	1,808	2,545	1,543	739	1,396
2003	522	685	645	946	2,007	1,494	2,522	1,639	941	1,290
2004	402	670	604	752	2,037	1,549	2,485	1,376	823	1,232
2005	642	990	960	1,094	2,081	1,696	2,636	1,457	728	1,397
2006	528	778	752	1,079	2,037	1,670	2,776	1,586	916	1,368
2007	484	788	900	1,135	2,212	1,927	2,488	1,663	811	1,399
2008	497	745	698	847	1,987	1,560	2,494	1,504	868	1,277
2009	362	587	547	720	2,025	1,497	2,570	1,504	884	1,229
2010 ^P	657	997	975	1,123	2,267	2,004	2,750	1,450	655	1,457
Normal ²	441	665	731	949	1,982	1,564	2,477	1,308	755	1,242

¹ Excludes Alaska and Hawaii.

² Based on calculations of data from 1971 through 2000.

P=Preliminary.

Notes: • Degree-days are relative measurements of outdoor air temperature. Cooling degree-days are deviations above the mean daily temperature of 65° F. For example, a weather station recording a mean daily temperature of 78° F would report 13 cooling degree-days. • Temperature information recorded by weather stations is used to calculate State-wide degree-day averages based on resident State population.

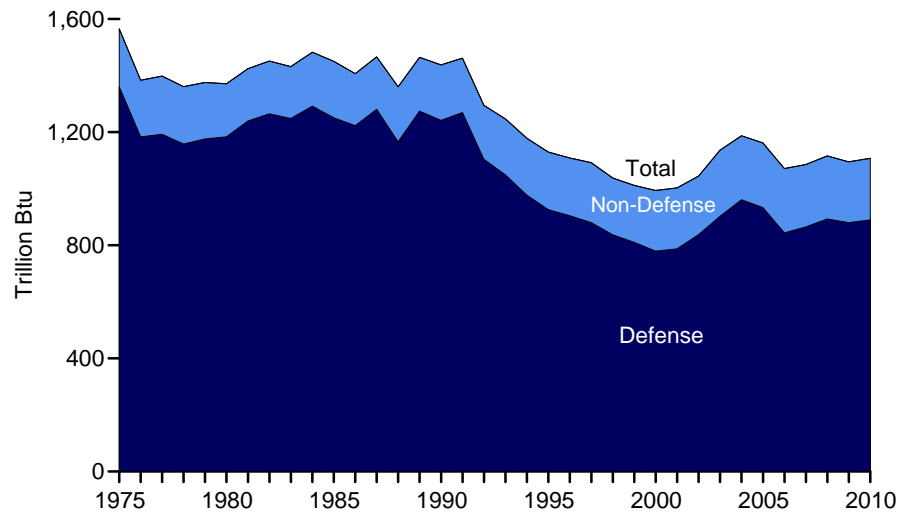
Beginning in 2002, data are weighted by the 2000 population. The population-weighted State figures are aggregated into Census divisions and the national average. • See Appendix C for map of Census divisions.

Web Pages: • See <http://www.eia.gov/totalenergy/data/annual/#summary> for all data beginning in 1949. • For current data, see <http://www.eia.gov/totalenergy/data/monthly/#summary>.

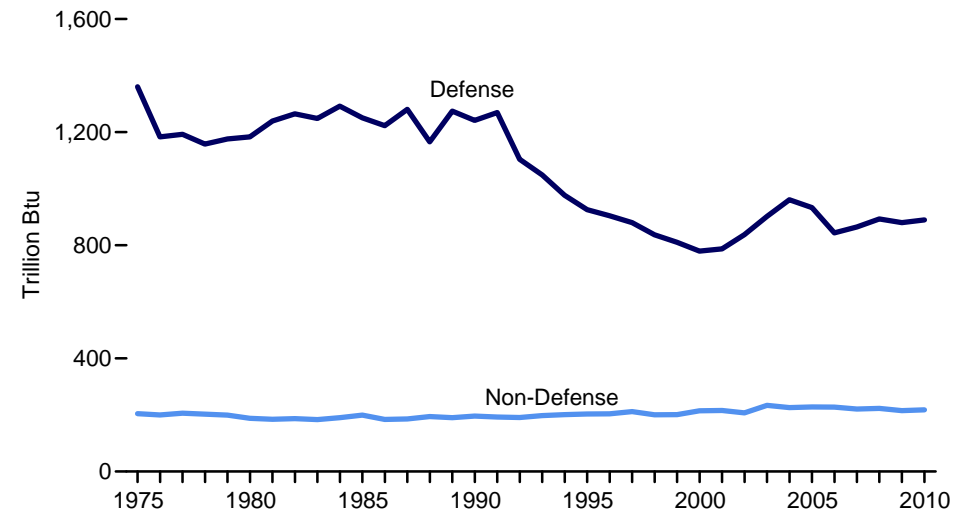
Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA), National Climatic Data Center, Asheville, North Carolina, Historical Climatology Series 5-2.

Figure 1.11 U.S. Government Energy Consumption by Agency

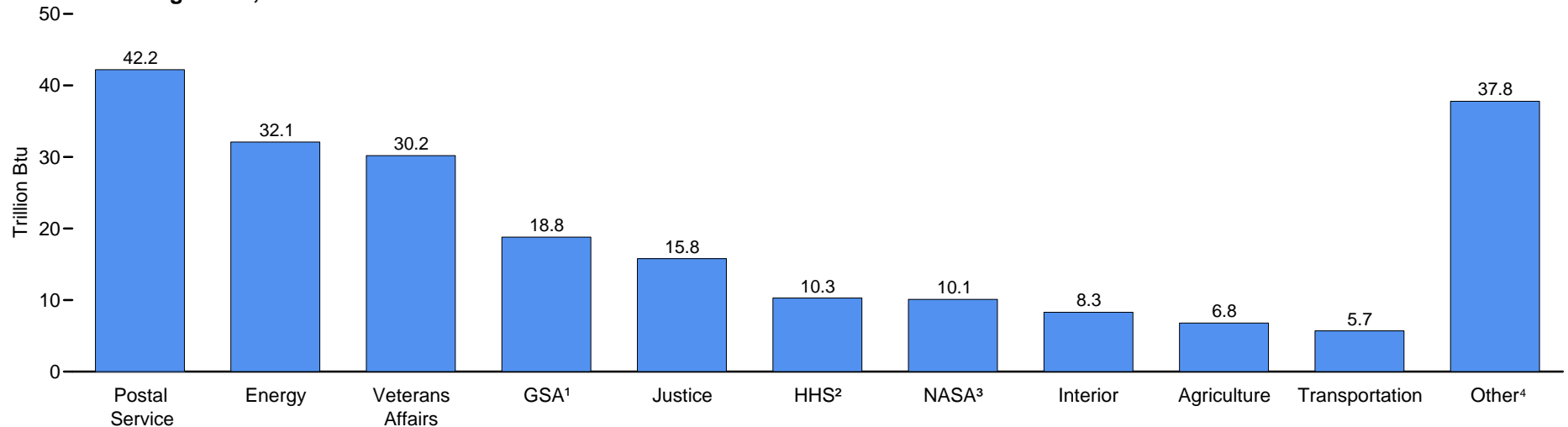
Total and U.S. Department of Defense, Fiscal Years 1975-2010



U.S. Department of Defense and Non-Defense Agencies, Fiscal Years 1975-2010



Non-Defense Agencies, Fiscal Year 2010



¹ General Services Administration.

² Health and Human Services.

³ National Aeronautics and Space Administration.

⁴ See Table 1.11 for list of agencies.

Note: The U.S. Government's fiscal year was October 1 through September 30, except in 1975 and 1976 when it was July 1 through June 30.

Source: Table 1.11.

Table 1.11 U.S. Government Energy Consumption by Agency, Fiscal Years 1975-2010

(Trillion Btu)

Year	Agriculture	Defense	Energy	GSA ¹	HHS ²	Interior	Justice	NASA ³	Postal Service	Transportation	Veterans Affairs	Other ⁴	Total
1975	9.5	1,360.2	50.4	22.3	6.5	9.4	5.9	13.4	30.5	19.3	27.1	10.5	1,565.0
1976	9.3	1,183.3	50.3	20.6	6.7	9.4	5.7	12.4	30.0	19.5	25.0	11.2	1,383.4
1977	8.9	1,192.3	51.6	20.4	6.9	9.5	5.9	12.0	32.7	20.4	25.9	11.9	1,398.5
1978	9.1	1,157.8	50.1	20.4	6.5	9.2	5.9	11.2	30.9	20.6	26.8	12.4	1,360.9
1979	9.2	1,175.8	49.6	19.6	6.4	10.4	6.4	11.1	29.3	19.6	25.7	12.3	1,375.4
1980	8.6	1,183.1	47.4	18.1	6.0	8.5	5.7	10.4	27.2	19.2	24.8	12.3	1,371.2
1981	7.9	1,239.5	47.3	18.0	6.7	7.6	5.4	10.0	27.9	18.8	24.0	11.1	1,424.2
1982	7.6	1,264.5	49.0	18.1	6.4	7.4	5.8	10.1	27.5	19.1	24.2	11.6	1,451.4
1983	7.4	1,248.3	49.5	16.1	6.2	7.7	5.5	10.3	26.5	19.4	24.1	10.8	1,431.8
1984	7.9	1,292.1	51.6	16.2	6.4	8.4	6.4	10.6	27.7	19.8	24.6	10.7	1,482.5
1985	8.4	1,250.6	52.2	20.7	6.0	7.8	8.2	10.9	27.8	19.6	25.1	13.1	1,450.3
1986	6.8	1,222.8	46.9	14.0	6.2	6.9	8.6	11.2	28.0	19.4	25.0	10.8	1,406.7
1987	7.3	1,280.5	48.5	13.1	6.6	6.6	8.1	11.3	28.5	19.0	24.9	11.9	1,466.3
1988	7.8	1,165.8	49.9	12.4	6.4	7.0	9.4	11.3	29.6	18.7	26.3	15.8	1,360.3
1989	8.7	1,274.4	44.2	12.7	6.7	7.1	7.7	12.4	30.3	18.5	26.2	15.6	1,464.7
1990	9.6	1,241.7	43.5	17.5	7.1	7.4	7.0	12.4	30.6	19.0	24.9	17.5	1,438.0
1991	9.6	1,269.3	42.1	14.0	6.2	7.1	8.0	12.5	30.8	19.0	25.1	18.1	1,461.7
1992	9.1	1,104.0	44.3	13.8	6.8	7.0	7.5	12.6	31.7	17.0	25.3	15.7	1,294.8
1993	9.3	1,048.8	43.4	14.1	7.2	7.5	9.1	12.4	33.7	19.4	25.7	16.2	1,246.8
1994	9.4	977.0	42.1	14.0	7.5	7.9	10.3	12.6	35.0	19.8	25.6	17.1	1,178.2
1995	9.0	926.0	47.3	13.7	6.1	6.4	10.2	12.4	36.2	18.7	25.4	17.9	1,129.3
1996	9.1	904.5	44.6	14.5	6.6	4.3	12.1	11.5	36.4	19.6	26.8	18.5	1,108.5
1997	7.4	880.0	43.1	14.4	7.9	6.6	12.0	12.0	40.8	19.1	27.3	21.6	1,092.0
1998	7.9	837.1	31.5	14.1	7.4	6.4	15.8	11.7	39.5	18.5	27.6	20.3	1,037.9
1999	7.8	810.7	27.0	14.4	7.1	7.5	15.4	11.4	39.8	22.6	27.5	20.6	1,011.6
2000	7.4	779.1	30.5	17.6	8.0	7.8	19.7	11.1	43.3	21.2	27.0	21.0	993.8
2001	7.4	787.2	31.1	18.4	8.5	9.5	19.7	10.9	43.4	17.8	27.7	21.4	1,003.0
2002	7.2	837.5	30.7	17.5	8.0	8.2	17.7	10.7	41.6	18.3	27.7	19.8	1,044.8
2003	7.7	902.3	31.6	19.6	10.1	8.2	22.7	10.8	50.9	5.6	30.5	36.2	1,136.3
2004	7.0	960.7	31.4	18.3	8.8	8.7	17.5	9.9	50.5	5.2	29.9	39.2	1,187.0
2005	7.5	933.2	29.6	18.4	9.6	8.6	18.8	10.3	53.5	5.0	30.0	37.2	1,161.6
2006	6.8	843.7	32.9	18.2	9.3	8.1	23.5	10.2	51.8	4.6	29.3	33.2	1,071.5
2007	6.8	864.6	31.5	19.1	9.9	7.5	20.7	10.6	45.8	5.6	30.0	33.2	1,085.3
2008	^R 6.5	^R 893.0	^R 31.5	^R 18.8	^R 10.5	^R 7.9	^R 18.9	10.2	^R 47.0	^R 6.4	^R 28.9	^R 36.6	^R 1,116.2
2009	6.6	^R 879.8	31.1	18.6	10.8	7.9	16.5	10.2	44.2	4.3	29.9	35.3	^R 1,095.1
2010 ^P	6.8	889.6	32.1	18.8	10.3	8.3	15.8	10.1	42.2	5.7	30.2	37.8	1,107.7

¹ General Services Administration.

² Health and Human Services.

³ National Aeronautics and Space Administration.

⁴ Includes National Archives and Records Administration, U.S. Department of Commerce, Tennessee Valley Authority, U.S. Department of Labor, National Science Foundation, Federal Trade Commission, Federal Communications Commission, Environmental Protection Agency, U.S. Department of Homeland Security, U.S. Department of Housing and Urban Development, Railroad Retirement Board, Equal Employment Opportunity Commission, Nuclear Regulatory Commission, U.S. Department of State, U.S. Department of the Treasury, Small Business Administration, Office of Personnel Management, Central Intelligence Agency, Consumer Product Safety Commission, Social Security Administration, U.S. Information Agency (International Broadcasting Bureau), Corporation for National Community Service, Court Services and Offender Supervision Agency, Federal Housing Finance Agency, National Labor Relations Board, Securities and Exchange Commission, National Capital Planning Commission, Office of Special Counsel, and Peace Corps and Broadcasting Board of Governors.

R=Revised. P=Preliminary.

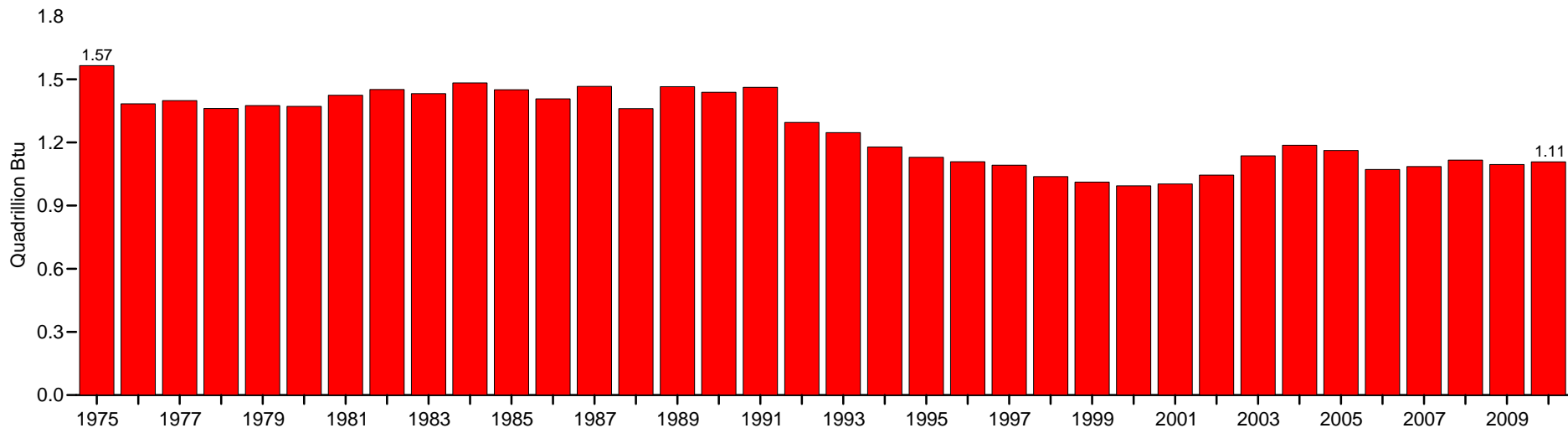
Notes: • For 1975 and 1976, the U.S. Government's fiscal year was July 1 through June 30. Beginning in 1977, the U.S. Government's fiscal year is October 1 through September 30 (for example, fiscal year 2010 is October 2009 through September 2010). • Data in this table are developed using the following conversion factors (which in most cases are different from those in Tables A1-A6)—coal: 24.580 million Btu/short ton; natural gas: 1,031 Btu/cubic foot; aviation gasoline: 5.250 million Btu/barrel; fuel oil: 5.8254 million Btu/barrel; jet fuel: 5,460 million Btu/barrel; liquefied petroleum gases: 4.011 million Btu/barrel; motor gasoline: 5.250 million Btu/barrel; electricity: 3,412 Btu/kilowatt-hour; and purchased steam: 1,000 Btu/pound. • Data include energy consumed at foreign installations and in foreign operations, including aviation and ocean bunkering, primarily by the U.S. Department of Defense. U.S. Government energy use for electricity generation and uranium enrichment is excluded. • Totals may not equal sum of components due to independent rounding.

Web Page: See http://www1.eere.energy.gov/femp/regulations/facility_reporting.html for related information.

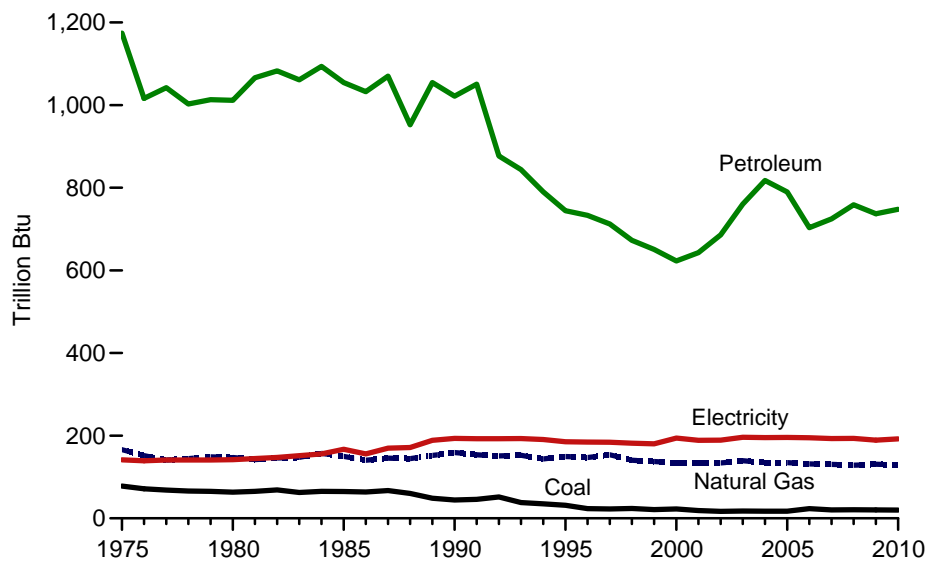
Source: U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Federal Energy Management Program.

Figure 1.12 U.S. Government Energy Consumption by Source, Fiscal Years 1975-2010

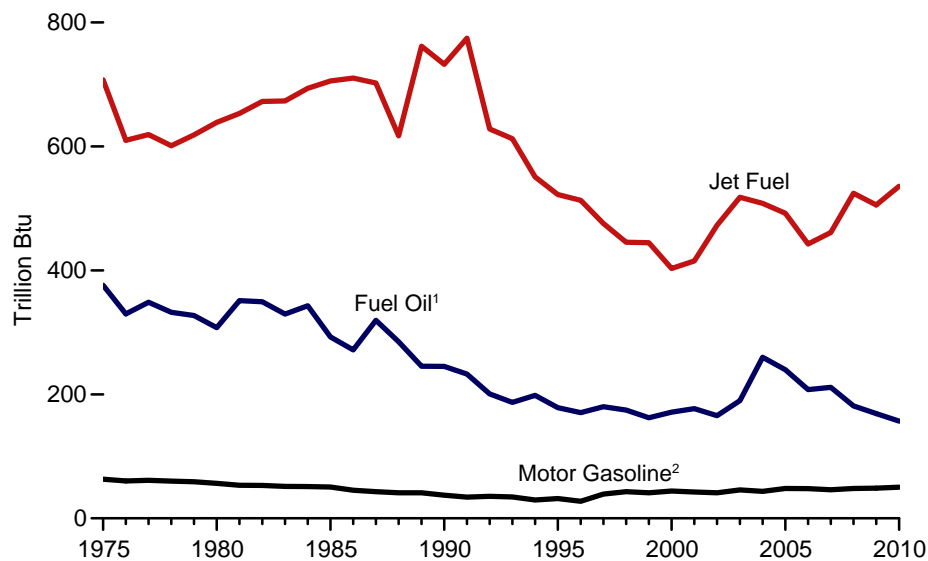
Total U.S. Government Energy Consumption



By Major Energy Source



By Selected Petroleum Product



¹ Distillate fuel oil and residual fuel oil.

² Includes ethanol blended into motor gasoline.

Note: U.S. Government's fiscal year was October 1 through September 30, except in 1975

and 1976 when it was July 1 through June 30.

Source: Table 1.12.

Table 1.12 U.S. Government Energy Consumption by Source, Fiscal Years 1975-2010

(Trillion Btu)

Year	Coal	Natural Gas ¹	Petroleum					Electricity	Purchased Steam and Other ⁶	Total	
			Aviation Gasoline	Fuel Oil ²	Jet Fuel	LPG ³ and Other ⁴	Motor Gasoline ⁵				Total
1975	77.9	166.2	22.0	376.0	707.4	5.6	63.2	1,174.2	141.5	5.1	1,565.0
1976	71.3	151.8	11.6	329.7	610.0	4.7	60.4	1,016.4	139.3	4.6	1,383.4
1977	68.4	141.2	8.8	348.5	619.2	4.1	61.4	1,042.1	141.1	5.7	1,398.5
1978	66.0	144.7	6.2	332.3	601.1	3.0	60.1	1,002.9	141.0	6.4	1,360.9
1979	65.1	148.9	4.7	327.1	618.6	3.7	59.1	1,013.1	141.2	7.1	1,375.4
1980	63.5	147.3	4.9	307.7	638.7	4.0	56.5	1,011.8	141.9	6.8	1,371.2
1981	65.1	142.2	4.6	351.3	653.3	3.7	53.2	1,066.2	144.5	6.2	1,424.2
1982	68.6	146.2	3.6	349.4	672.7	3.9	53.1	1,082.8	147.5	6.2	1,451.4
1983	62.4	147.8	2.6	329.5	673.4	4.0	51.6	1,061.1	151.5	9.0	1,431.8
1984	65.3	157.4	1.9	342.9	693.7	4.1	51.2	1,093.8	155.9	10.1	1,482.5
1985	64.8	149.9	1.9	292.6	705.7	4.0	50.4	1,054.6	167.2	13.9	1,450.3
1986	63.8	140.9	1.4	271.6	710.2	3.9	45.3	1,032.4	155.8	13.7	1,406.7
1987	67.0	145.6	1.0	319.5	702.3	4.0	43.1	1,069.9	169.9	13.9	1,466.3
1988	60.2	144.6	6.0	284.8	617.2	3.2	41.2	952.4	171.2	32.0	1,360.3
1989	48.7	152.4	.8	245.3	761.7	5.7	41.1	1,054.5	188.6	20.6	1,464.7
1990	44.3	159.4	.5	245.2	732.4	6.4	37.2	1,021.7	193.6	19.1	1,438.0
1991	45.9	154.1	.4	232.6	774.5	9.0	34.1	1,050.7	192.7	18.3	1,461.7
1992	51.7	151.2	1.0	200.6	628.2	11.4	35.6	876.8	192.5	22.5	1,294.8
1993	38.3	152.9	.7	187.0	612.4	9.3	34.5	843.9	193.1	18.6	1,246.8
1994	35.0	143.9	.6	198.5	550.7	10.9	29.5	790.2	190.9	18.2	1,178.2
1995	31.7	149.7	.3	178.5	522.3	11.4	31.9	744.4	185.3	18.2	1,129.3
1996	23.3	147.4	.2	170.6	513.0	21.7	27.6	733.2	184.5	20.1	1,108.5
1997	22.5	154.0	.3	180.1	475.7	17.2	39.0	712.2	184.0	19.2	1,092.0
1998	23.9	140.7	.2	174.6	445.5	9.4	43.1	672.8	181.8	18.8	1,037.9
1999	21.2	137.6	.1	162.2	444.7	2.9	41.1	650.9	180.4	21.5	1,011.6
2000	22.7	134.0	.2	171.4	403.1	4.3	43.9	622.9	194.0	20.2	993.8
2001	18.8	133.9	.2	177.0	415.2	7.9	42.5	642.9	188.8	18.6	1,003.0
2002	16.9	134.1	.2	165.7	472.9	6.0	41.3	686.1	189.1	18.5	1,044.8
2003	17.7	139.7	.3	189.8	517.9	6.6	45.7	760.3	196.1	22.5	1,136.3
2004	17.4	134.8	.2	259.8	508.2	6.0	43.5	817.8	195.4	21.6	1,187.0
2005	17.1	135.1	.4	239.8	492.2	9.0	48.2	789.6	195.9	23.9	1,161.6
2006	23.5	132.0	.6	207.8	442.6	4.7	47.8	703.5	194.9	17.7	1,071.5
2007	20.4	130.8	.4	211.4	461.1	5.6	46.0	724.5	193.2	16.4	1,085.3
2008	^R 20.8	^R 128.9	^R .4	^R 181.4	^R 524.3	^R 4.6	^R 48.1	^R 758.8	^R 193.6	^R 14.1	^R 1,116.2
2009	20.3	131.1	.3	169.0	505.6	13.6	48.7	737.2	189.3	^R 17.3	^R 1,095.1
2010 ^P	20.1	129.0	.4	156.8	535.8	4.8	50.3	748.1	192.2	18.4	1,107.7

¹ Natural gas, plus a small amount of supplemental gaseous fuels.

² Distillate fuel oil and residual fuel oil.

³ Liquefied petroleum gases.

⁴ Other types of fuel used in vehicles and equipment, primarily alternative fuels like methanol, ethanol, compressed natural gas, and biodiesel.

⁵ Includes ethanol blended into motor gasoline.

⁶ "Other" is chilled water, renewable energy, and other fuels reported as used in facilities.

R=Revised. P=Preliminary.

Notes: • For 1975 and 1976, the U.S. Government's fiscal year was July 1 through June 30. Beginning in 1977, the U.S. Government's fiscal year is October 1 through September 30 (for example, fiscal year 2010 is October 2009 through September 2010). • Data in this table are developed using the following conversion factors (which in most cases are different from those in Tables A1-A6)—coal: 24.580 million

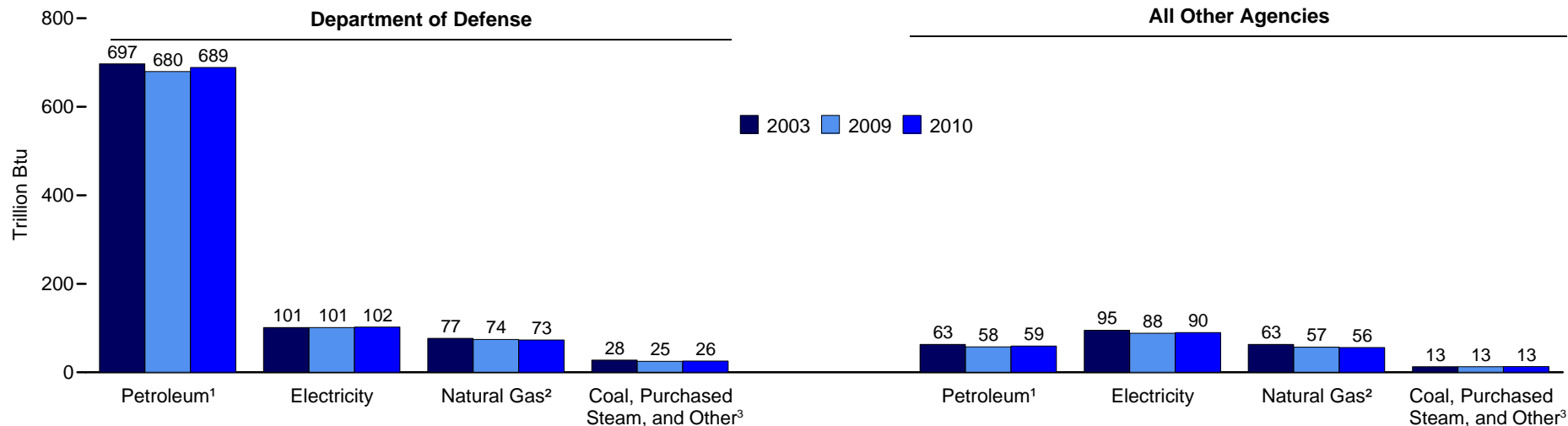
Btu/short ton; natural gas: 1,031 Btu/cubic foot; aviation gasoline: 5.250 million Btu/barrel; fuel oil: 5.8254 million Btu/barrel; jet fuel: 5.460 million Btu/barrel; liquefied petroleum gases: 4.011 million Btu/barrel; motor gasoline: 5.250 million Btu/barrel; electricity: 3,412 Btu/kilowatt-hour; and purchased steam: 1,000 Btu/pound. • Data include energy consumed at foreign installations and in foreign operations, including aviation and ocean bunkering, primarily by the U.S. Department of Defense. U.S. Government energy use for electricity generation and uranium enrichment is excluded. • Totals may not equal sum of components due to independent rounding.

Web Page: See http://www1.eere.energy.gov/femp/regulations/facility_reporting.html for related information.

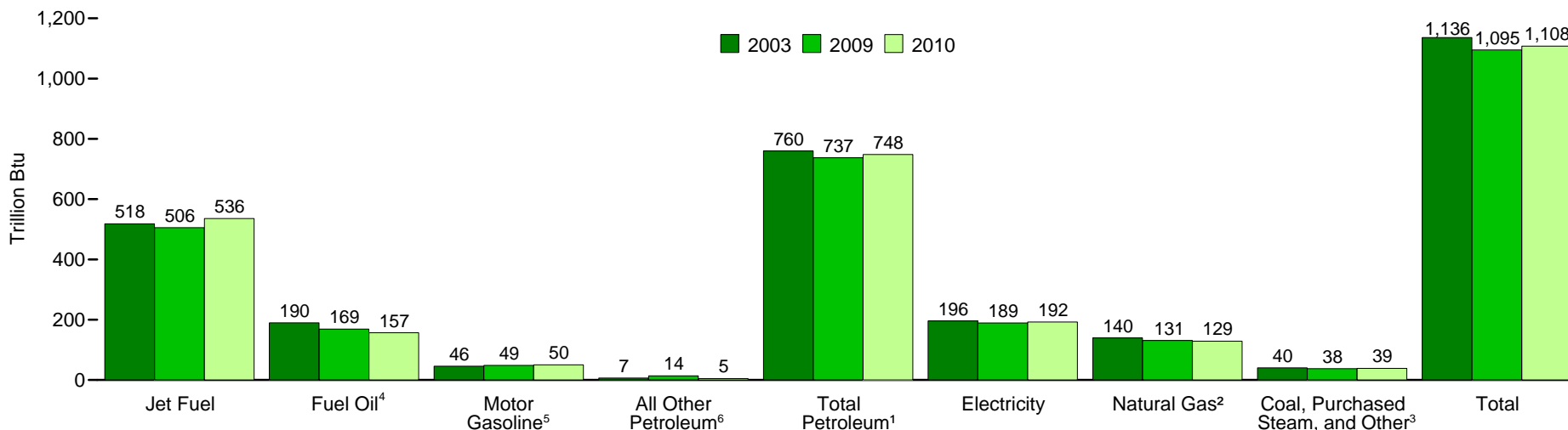
Source: U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Federal Energy Management Program.

Figure 1.13 U.S. Government Energy Consumption by Agency and Source, Fiscal Years 2003, 2009, and 2010

By Agency



By Source



¹ Includes small amount of renewable energy; see Table 1.13, footnote 8.

² Natural gas, plus a small amount of supplemental gaseous fuels.

³ Chilled water, renewable energy, and other fuels reported as used in facilities.

⁴ Distillate fuel oil and residual fuel oil.

⁵ Includes ethanol blended into motor gasoline.

⁶ Aviation gasoline, liquefied petroleum gas, and other types of fuel used in vehicles and equipment, primarily alternative fuels like methanol, ethanol, compressed natural gas, and biodiesel.

Note: The U.S. Government's fiscal year runs from October 1 through September 30.
Source: Table 1.13.

Table 1.13 U.S. Government Energy Consumption by Agency and Source, Fiscal Years 2003, 2009, and 2010
(Trillion Btu)

Resource and Fiscal Years	Agriculture	Defense	Energy	GSA ¹	HHS ²	Interior	Justice	NASA ³	Postal Service	Transportation	Veterans Affairs	Other ⁴	Total
Coal													
2003	(s)	15.4	2.0	0.0	(s)	(s)	0.0	0.0	0.0	0.0	0.2	0.0	17.7
2009	0.0	16.2	3.9	.0	.0	(s)	.0	.0	.0	.0	.2	.0	20.3
2010 P	(s)	15.5	4.5	.0	.0	0.0	.0	.0	(s)	.0	.1	.0	20.1
Natural Gas ⁵													
2003	1.4	76.6	7.0	7.6	3.7	1.3	8.6	2.9	10.4	.7	15.6	4.2	139.7
2009	1.2	74.2	6.3	6.9	6.3	1.2	7.6	2.8	5.1	.6	15.1	3.9	131.1
2010 P	1.4	72.9	7.1	7.0	5.9	1.1	6.8	2.6	4.5	.3	14.9	4.3	129.0
Petroleum													
2003	3.3	697.1	3.0	.2	1.5	4.4	6.5	1.4	18.2	1.6	2.8	20.3	760.3
2009	3.2	679.7	2.6	.2	.9	4.1	3.4	1.0	19.6	1.1	2.1	19.3	737.2
2010 P	3.2	688.8	2.8	.2	.8	3.8	3.4	1.2	19.4	1.5	2.1	20.8	748.1
Aviation Gasoline													
2003	(s)	(s)	(s)	.0	.0	(s)	.1	(s)	.0	(s)	.0	(s)	.3
2009	(s)	.1	.0	.0	.0	(s)	(s)	(s)	.0	(s)	.0	(s)	.3
2010 P	(s)	.2	.0	.0	.0	(s)	.1	(s)	.0	(s)	.0	(s)	.4
Fuel Oil ⁶													
2003	.4	166.5	2.0	.1	.9	1.2	.4	.4	5.1	.3	1.9	10.7	189.8
2009	.6	148.8	1.7	.1	.6	1.3	.3	.3	4.9	.2	1.1	9.0	169.0
2010 P	.6	138.2	1.6	.1	.6	1.3	.3	.3	4.6	.2	1.1	7.9	156.8
Jet Fuel													
2003	.0	509.9	(s)	.0	.0	.1	1.5	.6	.0	.6	.0	5.2	517.9
2009	.0	500.6	(s)	.0	.0	.1	.1	.5	.0	.5	.0	3.9	505.6
2010 P	.0	529.0	.2	.0	.0	(s)	.2	.8	.0	.5	.0	5.1	535.8
LPG ⁷ and Other ⁸													
2003	.7	4.2	.1	(s)	.1	.7	(s)	.1	.2	.1	(s)	.3	6.6
2009	.5	10.7	.3	(s)	.1	.8	.1	.1	.3	(s)	.1	.8	13.6
2010 P	.4	2.7	.4	(s)	.1	.4	.1	.1	.3	(s)	.1	.3	4.8
Motor Gasoline ⁹													
2003	2.2	16.5	.9	.1	.5	2.4	4.5	.2	12.9	.7	.9	4.1	45.7
2009	2.1	19.4	.6	.1	.2	1.9	2.9	.1	14.4	.4	.9	5.6	48.7
2010 P	2.2	18.6	.6	.1	.2	2.1	2.8	.1	14.5	.6	.9	7.5	50.3
Electricity													
2003	2.6	101.1	18.0	10.0	3.6	2.4	7.0	5.8	21.7	3.2	10.2	10.5	196.1
2009	1.8	101.1	16.8	9.8	3.4	2.4	5.0	5.5	19.4	2.5	10.8	10.9	189.3
2010 P	1.9	102.3	17.3	9.9	3.4	2.6	5.4	5.3	17.8	3.8	11.0	11.4	192.2
Purchased Steam and Other ¹⁰													
2003	.3	12.2	1.6	1.8	1.3	.1	.7	.8	.7	(s)	1.7	1.2	22.5
2009	.5	^R 8.6	1.5	1.8	.2	.2	.6	.9	.1	.2	1.6	1.1	^R 17.3
2010 P	.3	10.1	.5	1.8	.1	.8	.1	.9	.5	.1	2.0	1.3	18.4
Total Energy													
2003	7.7	902.3	31.6	19.6	10.1	8.2	22.7	10.8	50.9	5.6	30.5	36.2	1,136.3
2009	6.6	^R 879.8	31.1	18.6	10.8	7.9	16.5	10.2	44.2	4.3	29.9	35.3	^R 1,095.1
2010 P	6.8	889.6	32.1	18.8	10.3	8.3	15.8	10.1	42.2	5.7	30.2	37.8	1,107.7

¹ General Services Administration.

² Health and Human Services.

³ National Aeronautics and Space Administration.

⁴ Includes National Archives and Records Administration, U.S. Department of Commerce, Tennessee Valley Authority, U.S. Department of Labor, National Science Foundation, Federal Trade Commission, Federal Communications Commission, Environmental Protection Agency, U.S. Department of Homeland Security, U.S. Department of Housing and Urban Development, Railroad Retirement Board, Equal Employment Opportunity Commission, Nuclear Regulatory Commission, U.S. Department of State, U.S. Department of the Treasury, Office of Personnel Management, Consumer Product Safety Commission, Central Intelligence Agency, Social Security Administration, U.S. Information Agency (International Broadcasting Bureau), Corporation for National Community Service, Court Services and Offender Supervision Agency, Federal Housing Finance Agency, National Labor Relations Board, Small Business Administration, Securities and Exchange Commission, National Capital Planning Commission, Office of Special Counsel, and Peace Corps and Broadcasting Board of Governors.

⁵ Natural gas, plus a small amount of supplemental gaseous fuels.

⁶ Distillate fuel oil and residual fuel oil.

⁷ Liquefied petroleum gases.

⁸ Other types of fuel used in vehicles and equipment, primarily alternative fuels like methanol, ethanol, compressed natural gas, and biodiesel.

⁹ Includes ethanol blended into motor gasoline.

¹⁰ Chilled water, renewable energy, and other fuels reported as used in facilities.

R=Revised. P=Preliminary. (s)=Less than 0.05 trillion.

Notes: • For 1975 and 1976, the U.S. Government's fiscal year was July 1 through June 30. Beginning in 1977, the U.S. Government's fiscal year is October 1 through September 30 (for example, fiscal year 2010 is October 2009 through September 2010). • Data in this table are developed using the following conversion factors (which in most cases are different from those in Tables A1-A6)—coal: 24,580 million Btu/short ton; natural gas: 1,031 Btu/cubic foot; aviation gasoline: 5,250 million Btu/barrel; fuel oil: 5,825 million Btu/barrel; jet fuel: 5,460 million Btu/barrel; liquefied petroleum gases: 4,011 million Btu/barrel; motor gasoline: 5,250 million Btu/barrel; electricity: 3,412 Btu/kilowatt-hour; and purchased steam: 1,000 Btu/pound. • Data include energy consumed at foreign installations and in foreign operations, including aviation and ocean bunkering, primarily by the U.S. Department of Defense. U.S. Government energy use for electricity generation and uranium enrichment is excluded. • Totals may not equal sum of components due to independent rounding.

Web Page: See http://www1.eere.energy.gov/femp/regulations/facility_reporting.html for related information.

Source: U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, Federal Energy Management Program.

Figure 1.14 Fossil Fuel Production on Federally Administered Lands

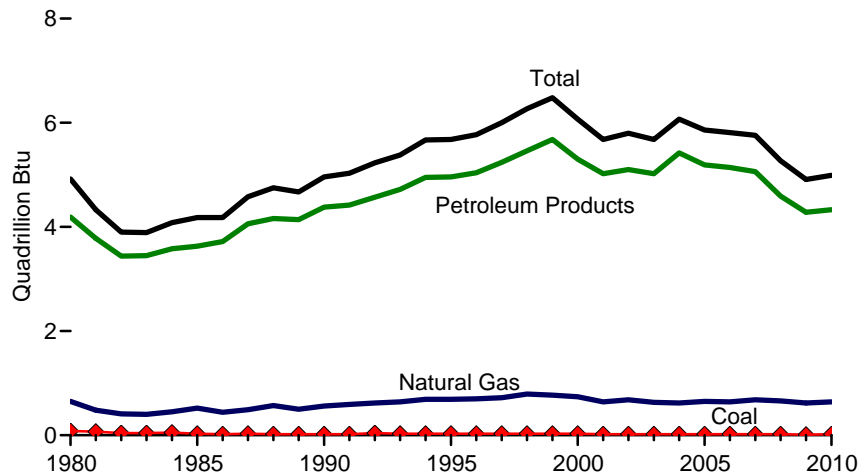
THE DATA USED IN THIS FIGURE ARE REVISED. NEW GRAPHS ARE NOT AVAILABLE. PLEASE SEE APPENDIX A IN "SALES OF FOSSIL FUELS PRODUCED FROM FEDERAL AND INDIAN LANDS, FY 2003 THROUGH FY 2011" FOR THE REVISED DATA.

Table 1.14 Fossil Fuel Production on Federally Administered Lands, Selected Years, 1949-2010

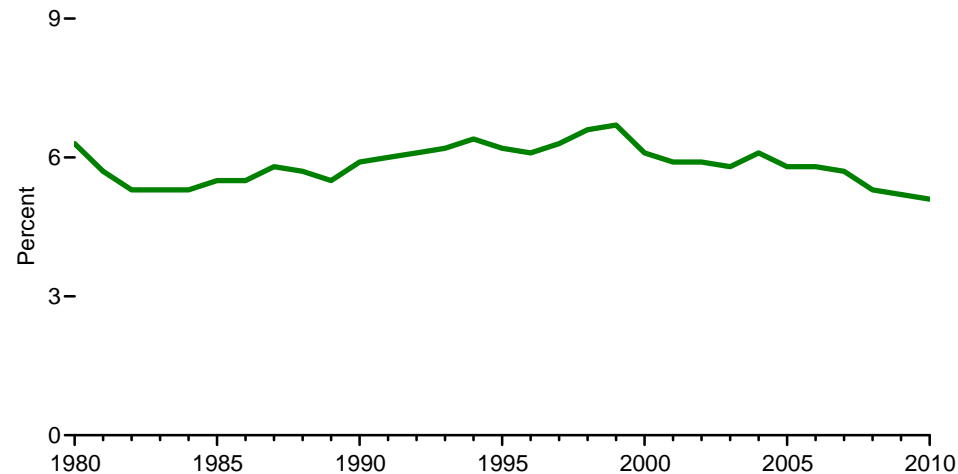
THE DATA IN THIS TABLE, ARE REVISED. PLEASE SEE APPENDIX A IN "SALES OF FOSSIL FUELS PRODUCED FROM FEDERAL AND INDIAN LANDS, FY 2003 THROUGH FY 2011" FOR THE REVISED DATA.

Figure 1.15 Fossil Fuel Consumption for Nonfuel Use Estimates

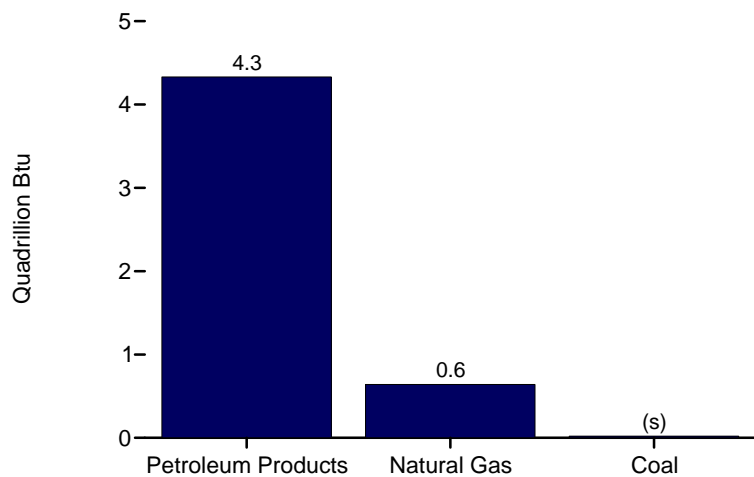
Total, 1980-2010



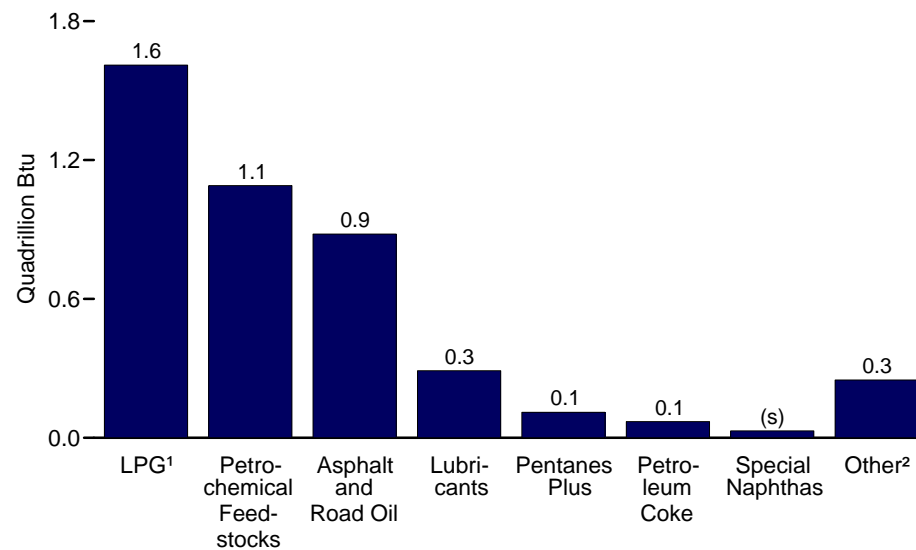
As Share of Total Energy Consumption, 1980-2010



By Fuel, 2010



By Petroleum Product, 2010



¹ Liquefied petroleum gases.

² Distillate fuel oil, residual fuel oil, waxes, and miscellaneous products.

(s)=Less than 0.05 quadrillion Btu.

Note: See Note2, "Nonfuel Use of Fossil Fuels" at end of section.

Source: Table 1.15.

Table 1.15 Fossil Fuel Consumption for Nonfuel Use Estimates, Selected Years, 1980-2010

Year	Petroleum Products									Natural Gas	Coal	Total	Percent of Total Energy Consumption
	Asphalt and Road Oil	Liquefied Petroleum Gases	Pentanes Plus	Lubricants	Petro-chemical Feedstocks	Petroleum Coke	Special Naphthas	Other ¹	Total				
Physical Units ²													
1980	145	230	(³)	58	253	24	37	58	805	639	2.4	--	--
1985	156	265	13	53	144	15	30	41	718	500	1.1	--	--
1990	176	340	18	60	199	R ²⁰	20	39	R ⁸⁷³	R ⁵⁴⁷	.6	--	--
1991	162	394	10	53	203	R ¹⁷	17	44	R ⁹⁰⁰	573	.6	--	--
1992	166	397	13	54	214	R ²⁹	20	35	R ⁹²⁹	603	1.2	--	--
1993	174	389	60	55	216	R ¹³	20	R ³⁵	R ⁹⁶²	618	.9	--	--
1994	176	437	56	58	224	R ¹³	15	35	R ^{1,015}	673	.9	--	--
1995	178	450	66	57	215	R ¹²	13	R ³³	R ^{1,025}	668	.9	--	--
1996	177	470	69	55	217	R ¹⁵	14	R ³³	R ^{1,050}	681	.9	--	--
1997	184	473	65	58	250	R ⁶	14	R ³⁴	R ^{1,085}	706	.9	--	--
1998	190	494	44	61	252	R ²⁵	20	39	R ^{1,126}	762	.8	--	--
1999	200	520	57	62	238	R ³⁶	28	37	R ^{1,177}	752	.8	--	--
2000	192	479	51	61	243	R ¹⁶	19	R ³⁸	R ^{1,099}	R ⁷²⁴	.8	--	--
2001	189	445	44	56	214	R ²⁹	15	R ³⁹	R ^{1,031}	R ⁶²⁶	.7	--	--
2002	187	465	37	55	229	R ²⁴	20	38	R ^{1,055}	657	.7	--	--
2003	184	441	37	51	247	R ²⁰	15	R ³⁶	R ^{1,031}	611	.7	--	--
2004	196	453	37	52	287	R ³⁶	10	R ³⁴	R ^{1,106}	R ⁶⁰⁷	.7	--	--
2005	199	428	33	51	266	R ³¹	12	R ³⁴	R ^{1,054}	R ⁶²⁹	.7	--	--
2006	185	440	23	42	265	R ³⁵	13	41	R ^{1,044}	R ⁶²⁷	.6	--	--
2007	180	449	30	52	242	R ³³	15	40	R ^{1,041}	R ⁶⁶⁵	.6	--	--
2008	152	421	25	48	210	R ³⁷	16	41	R ⁹⁵¹	R ⁶⁴²	.6	--	--
2009	130	R ⁴⁵⁵	R ²¹	43	R ¹⁸⁵	29	9	41	R ⁹¹⁴	R ⁶⁰⁵	.4	--	--
2010 ^P	132	474	23	48	195	12	5	43	932	626	.6	--	--
Quadrillion Btu													
1980	0.96	0.78	(³)	0.35	1.43	0.14	0.19	0.34	4.19	0.65	0.08	4.92	6.3
1985	1.03	.90	.06	.32	.82	.09	.16	.24	3.63	.52	.03	4.18	5.5
1990	1.17	1.18	.08	.36	1.12	R ¹²	.11	.23	R ^{4.38}	R ^{.56}	.02	R ^{4.96}	5.9
1991	1.08	1.37	.04	.32	1.15	R ¹¹	.09	.26	R ^{4.42}	.59	.02	R ^{5.03}	6.0
1992	1.10	1.39	.06	.33	1.20	R ¹⁷	.10	R ²¹	R ^{4.57}	.62	.04	R ^{5.23}	R ^{6.1}
1993	1.15	1.35	.28	.34	1.22	R ⁰⁸	.10	.20	R ^{4.72}	.64	.03	R ^{5.38}	6.2
1994	1.17	1.54	.26	.35	1.26	R ⁰⁸	.08	.20	R ^{4.95}	.69	.03	R ^{5.67}	6.4
1995	1.18	1.58	.30	.35	1.21	R ⁰⁸	.07	.20	R ^{4.96}	.69	.03	R ^{5.68}	R ^{6.2}
1996	1.18	1.64	.32	.34	1.21	R ⁰⁹	.07	.20	R ^{5.04}	.70	.03	R ^{5.77}	R ^{6.1}
1997	1.22	1.66	.30	.35	1.40	R ⁰⁴	.07	R ²⁰	R ^{5.24}	R ^{.72}	.03	R ^{6.00}	R ^{6.3}
1998	1.26	1.73	.20	.37	1.40	R ¹⁵	.11	.23	R ^{5.46}	.79	.03	R ^{6.27}	R ^{6.6}
1999	1.32	1.81	.26	.37	1.33	R ²²	.15	R ²²	R ^{5.68}	.77	.03	R ^{6.48}	R ^{6.7}
2000	1.28	1.66	.24	.37	1.35	R ¹⁰	.10	R ²²	R ^{5.30}	.74	.03	R ^{6.07}	R ^{6.1}
2001	1.26	1.55	.20	.34	1.19	R ¹⁷	.08	R ²³	R ^{5.02}	R ^{.64}	.02	R ^{5.68}	5.9
2002	1.24	1.61	.17	.33	1.27	R ¹⁵	.10	.22	R ^{5.10}	.68	.02	R ^{5.80}	R ^{5.9}
2003	1.22	1.54	.17	.31	1.37	R ¹²	.08	R ²¹	R ^{5.02}	.63	.02	R ^{5.68}	5.8
2004	1.30	1.57	.17	.31	1.59	R ²²	.05	R ²⁰	R ^{5.42}	R ^{.62}	.02	R ^{6.07}	6.1
2005	1.32	1.49	.15	.31	1.47	R ¹⁹	.06	R ²⁰	R ^{5.19}	R ^{.65}	.02	R ^{5.86}	R ^{5.8}
2006	1.26	1.52	.11	.25	1.48	R ²¹	.07	.24	R ^{5.14}	R ^{.64}	.02	R ^{5.81}	R ^{5.8}
2007	1.20	1.54	.14	.31	1.35	R ²⁰	.08	.24	R ^{5.06}	R ^{.68}	.02	R ^{5.76}	5.7
2008	1.01	1.45	.12	.29	1.17	R ²³	.08	.24	R ^{4.59}	.66	.02	R ^{5.27}	5.3
2009	.87	R ^{1.54}	R ¹⁰	.26	R ^{1.03}	R ¹⁸	R ⁰⁵	.24	R ^{4.28}	R ^{.62}	.01	R ^{4.91}	R ^{5.2}
2010 ^P	.88	1.61	.11	.29	1.09	.07	.03	.25	4.33	.64	.02	4.99	5.1

¹ Distillate fuel oil, residual fuel oil, waxes, and miscellaneous products.

² Petroleum—million barrels; natural gas—billion cubic feet; and coal—million short tons.

³ Included in "Liquefied Petroleum Gases."

R=Revised. P=Preliminary. --=Not applicable.

Notes: • Estimates of consumption for nonfuel use shown in this table are included in total energy consumption (see Table 1.3). • See Note 2, "Nonfuel Use of Fossil Fuels," at end of section. • Because of changes in methodology, data series may be revised annually. • Estimates of nonfuel use in this table are considered industrial uses with the exception of approximately half of the lubricants which are considered transportation use. • Totals may not equal sum of components due to independent rounding.

Web Pages: • See <http://www.eia.gov/totalenergy/data/annual/#summary> for all data beginning in 1980.

• For related information, see <http://www.eia.gov/environment/>.

Sources: **Petroleum Products:** • 1980—U.S. Energy Information Administration (EIA), Energy Data Reports, *Petroleum Statement, Annual and Sales of Liquefied Petroleum Gases and Ethane in 1980*. • 1981 forward—EIA, *Petroleum Supply Annual*, annual reports, and unpublished data. **Natural Gas:** • 1980—Bureau of the Census, 1980 Survey of Manufactures, *Hydrocarbon, Coal, and Coke Materials Consumed*. • 1981 forward—U.S. Department of Commerce. **Coal:** • 1980 forward—EIA estimates based on the methodology underlying the nonfuel emissions calculations in EIA's *Emissions of Greenhouse Gases in the United States 2008*. **Percent of Total Energy Consumption:** Derived by dividing total by total consumption on Table 1.3.

Energy Overview

Note 1. Noncombustible Renewable Energy. Noncombustible renewable energy is the sum of hydroelectric power, geothermal, solar/PV, and wind. In Table 1.3, total primary consumption of noncombustible renewable energy is reported as the sum of “Captured Energy” and the “Adjustment for Fossil Fuel Equivalence.”

Captured energy represents the energy from noncombustible renewable resources that is actually “captured” for final use. It includes the electricity generated from noncombustible resources (i.e., net generation from Table 8.2a converted to Btu using the energy conversion factor of 3,412 Btu/kWh) and the direct consumption of noncombustible renewable energy. Direct consumption of noncombustible renewable energy includes: solar thermal direct use energy, residential and commercial self-generated photovoltaic energy, geothermal energy from heat pumps, and direct use of geothermal energy.

The adjustment for fossil-fuel equivalence represents the energy losses that would have occurred if electricity from noncombustible renewable resources had been generated using the average fossil-fuel mix in a given year. The fossil-fuel

equivalent value is determined by converting electricity generation to Btu using the average fossil-fuel heat rate from Table A6. The “Adjustment for Fossil Fuel Equivalence” is then calculated as the difference between the fossil-fuel equivalent value of electricity generated and “captured” electricity generation.

For more information, see Appendix F.

Note 2. Nonfuel Use of Fossil Fuels. Most fossil fuels consumed in the United States and elsewhere are combusted to produce heat and power. However, some are used directly for nonfuel use as construction materials, lubricants, chemical feedstocks, solvents, and waxes. For example, asphalt and road oil are used for roofing and paving; liquefied petroleum gases are used to create intermediate products that are used in making plastics; lubricants, including motor oil and greases, are used in vehicles and various industrial processes; petrochemical feedstocks are used to make plastics, synthetic fabrics, and related products; and natural gas is used to make nitrogenous fertilizers and as feedstock in the chemical industry. For more information, see U.S. Energy Information Administration, “Emissions of Greenhouse Gases in the United States” (“Nonfuel Use of Energy Inputs” section in Chapter 2), at <http://www.eia.gov/environment/>.