

Table 1.2 Primary Energy Production by Source, Selected Years, 1949-2011

(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	(s)	NA	NA	1.320	2.928	42.803
1965	13.055	15.775	16.521	1.883	47.235	.043	2.059	.002	NA	NA	1.335	3.396	50.674
1970	14.607	21.666	20.401	2.512	59.186	.239	2.634	.006	NA	NA	1.431	4.070	63.495
1975	14.989	19.640	17.729	2.374	54.733	1.900	3.155	.034	NA	NA	1.499	4.687	61.320
1976	15.654	19.480	17.262	2.327	54.723	2.111	2.976	.038	NA	NA	1.713	4.727	61.561
1977	15.755	19.565	17.454	2.327	55.101	2.702	2.333	.037	NA	NA	1.838	4.209	62.012
1978	14.910	19.485	18.434	2.245	55.074	3.024	2.937	.031	NA	NA	2.038	5.005	63.104
1979	17.540	20.076	18.104	2.286	58.006	2.776	2.931	.040	NA	NA	2.152	5.123	65.904
1980	18.598	19.908	18.249	2.254	59.008	2.739	2.900	.053	NA	NA	2.476	5.428	67.175
1981	18.377	19.699	18.146	2.307	58.529	3.008	2.758	.059	NA	NA	2.596	5.414	66.951
1982	18.639	18.319	18.309	2.191	57.458	3.131	3.266	.051	NA	NA	2.663	5.980	66.569
1983	17.247	16.593	18.392	2.184	54.416	3.203	3.527	.064	NA	(s)	2.904	6.496	64.114
1984	19.719	18.008	18.848	2.274	58.849	3.553	3.386	.081	(s)	(s)	2.971	6.438	68.840
1985	19.325	16.980	18.992	2.241	57.539	4.076	2.970	.097	(s)	(s)	3.016	6.084	67.698
1986	19.509	16.541	18.376	2.149	56.575	4.380	3.071	.108	(s)	(s)	2.932	6.111	67.066
1987	20.141	17.136	17.675	2.215	57.167	4.754	2.635	.112	(s)	(s)	2.875	5.622	67.542
1988	20.738	17.599	17.279	2.260	57.875	5.587	2.334	.106	(s)	(s)	3.016	5.457	68.919
1989	² 21.360	17.847	16.117	2.158	57.483	5.602	2.837	.162	.055	.022	3.159	6.235	69.320
1990	22.488	18.326	15.571	2.175	58.560	6.104	3.046	.171	.059	.029	2.735	6.041	70.705
1991	21.636	18.229	15.701	2.306	57.872	6.422	3.016	.178	.062	.031	2.782	6.069	70.362
1992	21.694	18.375	15.223	2.363	57.655	6.479	2.617	.179	.064	.030	2.932	5.821	^R 69.956
1993	20.336	18.584	14.494	2.408	55.822	6.410	2.892	.186	.066	.031	2.908	6.083	68.315
1994	22.202	19.348	14.103	2.391	58.044	6.694	2.683	.173	.068	.036	3.028	5.988	70.726
1995	22.130	19.082	13.887	2.442	57.540	7.075	3.205	.152	.069	.033	3.099	6.558	71.174
1996	22.790	19.344	13.723	2.530	58.387	7.087	3.590	.163	.070	.033	3.155	7.012	72.486
1997	23.310	19.394	13.658	2.495	58.857	6.597	3.640	.167	.070	.034	3.108	7.018	72.472
1998	24.045	19.613	13.235	2.420	59.314	7.068	3.297	.168	.069	.031	2.929	6.494	72.876
1999	23.295	19.341	12.451	2.528	57.614	7.610	3.268	.171	.068	.046	2.965	6.517	71.742
2000	22.735	19.662	12.358	2.611	57.366	7.862	2.811	.164	^R .066	.057	3.006	6.104	71.332
2001	² 23.547	20.166	12.282	2.547	58.541	8.029	2.242	.164	.064	.070	2.624	5.164	71.735
2002	22.732	^R 19.382	12.163	2.559	^R 56.837	8.145	2.689	.171	.063	.105	2.705	5.734	^R 70.716
2003	22.094	19.633	12.026	2.346	56.099	7.959	2.825	.175	.062	.115	2.805	5.982	70.040
2004	22.852	19.074	11.503	2.466	55.895	8.222	2.690	.178	.063	.142	2.998	6.070	70.188
2005	23.185	18.556	10.963	2.334	55.038	8.161	2.703	.181	.063	.178	3.104	6.229	^R 69.428
2006	23.790	19.022	10.801	2.356	55.968	8.215	2.869	.181	.068	.264	^R 3.216	^R 6.599	^R 70.782
2007	23.493	^R 19.786	10.721	2.409	^R 56.409	8.455	2.446	.186	.076	.341	^R 3.461	^R 6.509	^R 71.373
2008	23.851	20.703	10.509	2.419	57.482	8.427	2.511	.192	.089	.546	^R 3.864	^R 7.202	^R 73.111
2009	^R 21.624	^R 21.139	11.348	2.574	^R 56.685	8.356	2.669	.200	.098	.721	^R 3.928	^R 7.616	^R 72.657
2010	^R 22.038	^R 21.823	^R 11.593	^R 2.781	^R 58.235	^R 8.434	^R 2.539	^R .208	^R .126	^R .923	^R 4.341	^R 8.136	^R 74.806
2011 ^P	22.181	23.506	11.986	2.928	60.601	8.259	3.171	.226	.158	1.168	4.511	9.236	78.096

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 Pages: • See <http://www.eia.gov/totalenergy/data/monthly/#summary> for updated monthly and annual data. • See <http://www.eia.gov/totalenergy/data/annual/#summary> for all annual data beginning in 1949.

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