

**Table E2. Primary Energy Production by Source, Fossil Fuel Equivalency Approach**  
(Quadrillion Btu)

	Fossil Fuels					Nuclear Electric Power	Renewable Energy <sup>a</sup>						Total
	Coal <sup>b</sup>	Natural Gas (Dry)	Crude Oil <sup>c</sup>	NGPL <sup>d</sup>	Total		Hydro-electric Power <sup>e</sup>	Geo-thermal	Solar	Wind	Bio-mass	Total	
1950 Total	14.060	6.233	11.447	0.813	32.553	0.000	1.415	NA	NA	NA	1.562	2.978	35.531
1955 Total	12.370	9.345	14.410	1.223	37.347	.000	1.360	NA	NA	NA	1.424	2.784	40.131
1960 Total	10.817	12.656	14.935	1.447	39.855	.006	1.608	(s)	NA	NA	1.320	2.928	42.789
1965 Total	13.055	15.775	16.521	1.853	47.205	.043	2.059	.002	NA	NA	1.335	3.396	50.644
1970 Total	14.607	21.666	20.401	2.478	59.152	.239	2.634	.006	NA	NA	1.431	4.070	63.462
1975 Total	14.989	19.640	17.729	2.338	54.697	1.900	3.155	.034	NA	NA	1.499	4.687	61.284
1980 Total	18.598	19.908	18.249	2.225	58.979	2.739	2.900	.053	NA	NA	2.475	5.428	67.147
1985 Total	19.325	16.980	18.992	2.204	57.502	4.076	2.970	.097	(s)	(s)	3.016	6.084	67.661
1990 Total	22.488	18.326	15.571	2.138	58.523	6.104	3.046	.171	.059	.029	2.735	6.040	70.668
1995 Total	22.130	19.082	13.887	2.398	57.496	7.075	3.205	.152	.068	.033	3.099	6.557	71.129
2000 Total	22.735	19.662	12.358	2.551	57.307	7.862	2.811	.164	.063	.057	3.006	6.102	71.271
2005 Total	23.185	18.556	10.974	2.280	54.995	8.161	2.703	.181	.058	.178	3.101	6.221	69.377
2010 Total	22.038	21.806	11.610	2.705	58.159	8.434	2.539	.208	.090	.923	4.553	8.312	74.906
2011 Total	22.221	23.406	12.012	2.890	60.529	8.269	3.103	.212	.110	1.168	4.712	9.306	78.104
2012 Total	20.677	24.610	13.849	3.162	62.298	8.062	2.629	.212	.156	1.340	4.554	8.890	79.249
2013 Total	20.001	24.859	15.868	3.451	64.180	8.244	2.562	.214	.225	1.601	4.835	9.438	81.862
2014 Total	20.286	26.718	18.610	4.005	69.619	8.338	2.466	.214	.337	1.727	5.052	9.798	87.754
2015 Total	17.946	28.067	19.697	4.476	70.186	8.337	2.320	.212	.427	1.776	5.031	9.766	88.289
2016 Total	14.667	27.576	18.527	4.665	65.435	8.427	2.471	.210	.570	2.095	5.132	10.477	84.339
2017 Total	15.625	28.289	19.547	4.987	68.448	8.419	2.765	.210	.777	2.342	5.166	11.259	88.127
2018 Total	15.363	31.882	22.808	5.727	75.780	8.438	2.661	.209	.915	2.481	5.314	11.580	95.798
2019 Total	14.256	35.187	25.604	6.352	81.399	8.452	2.562	.201	1.016	2.633	5.215	11.627	101.478
2020 Total	10.703	35.062	23.575	6.805	76.145	8.251	2.501	.203	1.211	2.963	4.710	11.588	95.984
2021 Total	11.596	35.807	23.401	7.099	77.903	8.131	2.225	.205	1.520	3.345	4.914	12.208	98.242
2022 January	1.012	3.090	2.023	.610	6.736	.737	.213	.018	.102	.330	.435	1.099	8.572
February	.970	2.784	1.792	.552	6.098	.646	.188	.016	.116	.332	.394	1.046	7.790
March	1.044	3.135	2.080	.660	6.919	.660	.215	.017	.154	.379	.430	1.195	8.774
April	.940	3.056	2.007	.635	6.637	.578	.177	.017	.174	.407	.406	1.180	8.395
May	1.006	3.183	2.068	.661	6.917	.662	.206	.017	.195	.371	.430	1.219	8.798
June	.986	3.087	2.012	.644	6.730	.687	.229	.016	.203	.298	.430	1.176	8.593
July	1.000	3.224	2.085	.686	6.995	.719	.217	.017	.202	.260	.436	1.132	8.847
August	1.087	3.240	2.112	.672	7.110	.720	.186	.017	.189	.218	.429	1.039	8.870
September	1.044	3.181	2.102	.660	6.987	.666	.150	.017	.172	.241	.402	.981	8.634
October	1.040	3.284	2.181	.684	7.188	.616	.127	.017	.155	.289	.425	1.012	8.816
November	.988	3.178	2.110	.658	6.935	.648	.158	.018	.114	.363	.427	1.080	8.663
December	.926	3.219	2.139	.621	6.905	.722	.180	.018	.096	.341	.429	1.064	8.691
Total	12.043	37.662	24.710	7.742	82.157	8.061	2.245	.205	1.872	3.827	5.073	13.224	103.442
2023 January	1.037	E 3.273	E 2.217	.648	7.175	.740	.196	.019	.109	.346	.437	1.107	9.022
February	.931	E 2.958	E 1.996	.597	6.482	.635	.165	.016	.124	.372	.393	1.070	8.187
March	1.057	E 3.304	E 2.252	.688	7.302	.656	.178	.018	.165	.393	.436	1.190	9.148
April	.955	E 3.190	E 2.159	.683	6.988	.592	.154	.017	.196	.380	.404	1.151	8.731
May	.981	E 3.326	E 2.239	.706	7.252	.642	.242	.017	.222	.283	.438	1.202	9.096
June	.959	E 3.209	E 2.201	.700	7.068	.679	.172	.016	.227	.243	.430	1.088	8.835
July	.949	E 3.320	E 2.280	.714	7.263	.730	.187	.017	.242	.246	.437	1.128	9.121
August	1.030	E 3.357	E 2.300	.726	7.412	.729	.186	.017	.230	.252	.440	1.125	9.265
September	.986	E 3.247	E 2.261	.724	7.218	.685	.145	.017	.201	.249	.425	1.037	8.940
October	.968	E 3.351	E 2.331	.750	7.401	.642	.159	.018	.183	.322	.430	1.112	9.154
November	.968	E 3.291	E 2.269	.725	7.254	.650	.160	.018	.139	.326	.430	1.072	8.977
December	.933	E 3.419	E 2.339	.728	7.419	.720	.170	.018	.125	.338	.461	1.112	9.250
Total	11.754	E 39.246	E 26.843	8.389	86.233	8.101	2.114	.209	2.164	3.748	5.160	13.393	107.727
2024 January	R .899	E 3.326	E 2.214	.671	R 7.110	.722	.187	.017	.131	.308	.428	1.072	R 8.904
February	R .897	RE 3.184	E 2.162	.688	R 6.930	.675	.173	.016	.161	.367	.416	1.132	R 8.738
March	R .853	RE 3.301	RE 2.324	.757	R 7.234	.662	.202	.016	.206	.404	R .443	R 1.272	R 9.168
April	.672	E 3.159	E 2.261	.748	6.840	.599	.169	.017	.243	.420	.415	1.264	8.703
4-Month Total	3.321	E 12.970	E 8.960	2.864	28.115	2.657	.731	.067	.741	1.500	1.702	4.741	35.513
2023 4-Month Total	3.981	E 12.725	E 8.624	2.616	27.946	2.624	.693	.070	.594	1.490	1.670	4.517	35.088
2022 4-Month Total	3.966	12.065	7.902	2.457	26.390	2.621	.793	.067	.546	1.448	1.665	4.520	33.531

<sup>a</sup> Most data are estimates. See Table E4 for notes on series components and estimation.

<sup>b</sup> Beginning in 1989, includes waste coal supplied. Beginning in 2001, also includes a small amount of refuse recovery. See Table 6.1.

<sup>c</sup> Includes lease condensate.

<sup>d</sup> Natural gas processing plant production of natural gas liquids (ethane, propane, normal butane, isobutane, and natural gasoline). Through 1980, also includes natural gas processing plant production of finished petroleum products (aviation gasoline, distillate fuel oil, jet fuel, kerosene, motor gasoline, special naphthas, and miscellaneous products).

<sup>e</sup> Conventional hydroelectric power.

R=Revised. E=Estimate. NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes: • See "Primary Energy Production" in Glossary. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#appendices> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: • Fossil Fuels and Nuclear Electric Power: Table 1.2. • Renewable Energy: Table E4. • Total: Calculated as the sum of Fossil Fuels, Nuclear Electric Power, and Renewable Energy.