

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

	Fossil Fuels					Nuclear Electric Power	Renewable Energy ^a						Total
	Coal ^b	Natural Gas (Dry)	Crude Oil ^c	NGPL ^d	Total		Hydro-electric Power ^e	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	18.590	4.005	69.599	8.338	2.466	.214	.337	1.727	5.049	9.795	87.732
2015 Total	17.946	28.067	19.682	4.476	70.171	8.337	2.320	.212	.427	1.776	5.025	9.760	88.267
2016 Total	14.667	27.576	18.534	4.665	65.442	8.427	2.471	.210	.570	2.095	5.122	10.467	84.336
2017 Total	15.625	28.289	19.547	4.987	68.448	8.419	2.765	.210	.777	2.342	5.156	11.249	88.117
2018 Total	15.363	31.882	22.825	5.727	75.798	8.438	2.661	.209	.915	2.481	5.304	11.569	95.805
2019 Total	14.256	35.187	25.610	6.352	81.405	8.452	2.562	.201	1.016	2.633	5.205	11.617	101.474
2020 Total	10.703	35.062	23.585	6.805	76.155	8.251	2.501	.203	1.211	2.963	4.700	11.578	95.983
2021 Total	11.596	35.807	23.485	7.099	77.987	8.131	2.225	.205	1.520	3.345	4.904	12.198	98.316
2022 January	1.012	R 3.057	2.016	.610	R 6.696	.737	.213	.018	.102	.330	.434	1.098	R 8.531
February .....	.970	R 2.788	1.825	.552	R 6.135	.646	.188	.016	.116	.332	.393	1.045	R 7.826
March	1.044	R 3.137	2.092	.660	R 6.933	.660	.215	.017	.154	.379	.430	1.194	R 8.787
April .....	.940	R 3.066	2.014	.635	R 6.654	.578	.177	.017	.174	.407	.405	1.179	R 8.411
May	1.006	R 3.170	2.069	.661	R 6.905	.662	.206	.017	.195	.371	.429	1.218	R 8.786
June .....	.986	R 3.077	2.031	.644	R 6.739	.687	.229	.016	.203	.298	.429	1.175	R 8.600
July	1.000	R 3.205	2.113	.686	R 7.004	.719	.217	.017	.202	.260	.435	1.131	R 8.855
August	1.087	R 3.226	2.136	.672	R 7.120	.720	.186	.017	.189	.218	.428	1.038	R 8.878
September	1.044	R 3.170	2.121	.660	R 6.995	.666	.150	.017	.172	.241	.401	.980	R 8.642
October	1.040	R 3.270	2.190	.684	R 7.183	.616	.127	.017	.155	.289	.425	1.011	R 8.811
November .....	.988	R 3.168	2.126	.658	R 6.941	.648	.158	.018	.114	.363	.427	1.079	R 8.668
December .....	.926	R 3.227	2.145	.621	R 6.919	.722	.180	.018	.096	.341	.428	1.063	R 8.704
Total	12.043	37.560	24.880	7.742	82.225	8.061	2.245	.205	1.872	3.827	5.063	13.214	103.500
2023 January	1.036	R 3.277	2.224	.669	R 7.207	.741	.196	.018	.105	.331	.434	1.084	R 9.032
February .....	.930	R 2.953	2.006	.612	R 6.500	.636	.172	.016	.123	.357	.390	1.059	R 8.195
March	1.056	R 3.315	2.260	.704	R 7.335	.657	.184	.018	.163	.376	.436	1.177	R 9.169
April .....	.954	R 3.179	2.164	.691	R 6.989	.592	.171	.017	.194	.369	.405	1.156	R 8.737
May .....	.980	R 3.324	2.245	.712	R 7.261	.639	.239	.017	.221	.278	.435	1.190	R 9.090
June .....	.958	R 3.205	2.196	.687	R 7.046	.677	.186	.016	.224	.238	.428	1.093	R 8.816
July .....	.948	R 3.319	2.281	.721	R 7.269	.730	.190	.017	.237	.242	.438	1.122	R 9.122
August	1.029	R 3.342	2.301	.735	R 7.407	.729	.184	.016	.225	.245	.441	1.111	R 9.247
September .....	.985	R 3.238	2.249	.729	R 7.201	.685	.146	.017	.197	.245	.427	1.032	R 8.917
October .....	.967	R 3.342	2.319	.754	R 7.383	.642	.135	.018	.180	.311	.433	1.076	R 9.101
November .....	.967	R 3.280	2.267	.727	R 7.242	.651	.147	.018	.137	.315	.433	1.049	R 8.942
December .....	.932	R 3.390	2.347	.737	R 7.405	.720	.164	.018	.121	.328	.465	1.097	R 9.222
Total	11.743	39.164	26.858	8.480	86.245	8.099	2.114	.205	2.127	3.634	5.165	13.246	107.590
2024 January .....	.898	E 3.325	E 2.214	.671	7.108	.722	.189	.018	.129	.301	.427	1.064	8.894
February .....	.896	E 3.183	E 2.162	.688	6.929	.675	.173	.016	.158	.358	.414	1.120	8.724
March .....	.852	RE 3.296	E 2.323	.757	R 7.228	.662	.201	.016	.203	.393	.443	1.257	R 9.147
April .....	.728	E 3.161	E 2.261	.748	6.898	.602	.167	.017	.239	.408	.416	1.246	8.747
May .....	.800	E 3.261	E 2.328	.781	7.171	.679	.195	.016	.272	.333	.432	1.248	R 9.098
June .....	.876	E 3.195	E 2.260	.752	7.083	.713	.183	.016	.290	.328	.428	1.245	9.041
July .....	.879	E 3.346	E 2.327	.764	7.315	.730	.183	.017	.291	.241	.449	1.181	9.227
August .....	.955	RE 3.311	RE 2.357	.779	R 7.402	.729	.184	.017	.286	.248	.453	1.189	R 9.320
September .....	.927	RE 3.166	RE 2.252	.768	R 7.113	.655	.144	.016	.245	.249	.430	1.084	R 8.852
October .....	.885	E 3.307	E 2.373	.801	7.366	.611	.137	.016	.232	.345	.440	1.170	9.147
10-Month Total	8.696	E 32.551	E 22.856	7.511	71.614	6.779	1.756	.165	2.345	3.203	4.333	11.803	90.196
2023 10-Month Total	9.844	32.494	22.245	7.016	71.598	6.729	1.803	.169	1.869	2.992	4.267	11.099	89.426
2022 10-Month Total	10.129	31.165	20.609	6.463	68.365	6.691	1.908	.169	1.662	3.123	4.209	11.071	86.127

^a Most data are estimates. See Table E4 for notes on series components and estimation.

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

^c Includes lease condensate.

^d 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).

^e 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.