Table 1.2 Primary Energy Production by Source

(Quadrillion Btu)

	Fossil Fuels						Renewable Energy[a]						
	Coal[b]	Natural Gas (Dry)	Crude Oil[c]	NGPL[d]	Total	Nuclear Electric Power	Hydro-electric Power[e]	Geo-thermal	Solar	Wind	Bio-mass	Total	Total
1950 Total	**14.060**	**6.233**	**11.447**	**0.813**	**32.553**	**0.000**	**0.344**	**NA**	**NA**	**NA**	**1.562**	**1.907**	**34.460**
1955 Total	**12.370**	**9.345**	**14.410**	**1.223**	**37.347**	**.000**	**.397**	**NA**	**NA**	**NA**	**1.424**	**1.821**	**39.168**
1960 Total	**10.817**	**12.656**	**14.935**	**1.447**	**39.855**	**.006**	**.510**	**(s)**	**NA**	**NA**	**1.320**	**1.830**	**41.691**
1965 Total	**13.055**	**15.775**	**16.521**	**1.853**	**47.205**	**.043**	**.672**	**.001**	**NA**	**NA**	**1.335**	**2.008**	**49.256**
1970 Total	**14.607**	**21.666**	**20.401**	**2.478**	**59.152**	**.239**	**.856**	**.002**	**NA**	**NA**	**1.431**	**2.289**	**61.681**
1975 Total	**14.989**	**19.640**	**17.729**	**2.338**	**54.697**	**1.900**	**1.034**	**.011**	**NA**	**NA**	**1.499**	**2.544**	**59.141**
1980 Total	**18.598**	**19.908**	**18.249**	**2.225**	**58.979**	**2.739**	**.953**	**.017**	**NA**	**NA**	**2.475**	**3.445**	**65.164**
1985 Total	**19.325**	**16.980**	**18.992**	**2.204**	**57.502**	**4.076**	**.970**	**.032**	**(s)**	**(s)**	**3.016**	**4.018**	**65.595**
1990 Total	**22.488**	**18.326**	**15.571**	**2.138**	**58.523**	**6.104**	**.999**	**.063**	**.056**	**.010**	**2.735**	**3.863**	**68.490**
1995 Total	**22.130**	**19.082**	**13.887**	**2.398**	**57.496**	**7.075**	**1.061**	**.060**	**.064**	**.011**	**3.099**	**4.295**	**68.866**
2000 Total	**22.735**	**19.662**	**12.358**	**2.551**	**57.307**	**7.862**	**.940**	**.069**	**.059**	**.019**	**3.006**	**4.093**	**69.262**
2005 Total	**23.185**	**18.556**	**10.974**	**2.280**	**54.995**	**8.161**	**.922**	**.084**	**.052**	**.061**	**3.101**	**4.220**	**67.376**
2010 Total	**22.038**	**21.806**	**11.610**	**2.705**	**58.159**	**8.434**	**.888**	**.111**	**.068**	**.323**	**4.553**	**5.943**	**72.536**
2011 Total	**22.221**	**23.406**	**12.012**	**2.890**	**60.529**	**8.269**	**1.090**	**.116**	**.076**	**.410**	**4.712**	**6.404**	**75.202**
2012 Total	**20.677**	**24.610**	**13.849**	**3.162**	**62.298**	**8.062**	**.943**	**.117**	**.094**	**.480**	**4.554**	**6.187**	**76.547**
2013 Total	**20.001**	**24.859**	**15.868**	**3.451**	**64.180**	**8.244**	**.916**	**.117**	**.120**	**.573**	**4.835**	**6.561**	**78.985**
2014 Total	**20.286**	**26.718**	**18.590**	**4.005**	**69.599**	**8.338**	**.885**	**.118**	**.161**	**.620**	**5.049**	**6.833**	**84.769**
2015 Total	**17.946**	**28.067**	**[R]19.685**	**4.476**	**[R]70.174**	**8.337**	**.850**	**.118**	**.196**	**.651**	**5.025**	**6.840**	**[R]85.350**
2016 Total	**14.667**	**27.576**	**[R]18.539**	**4.665**	**[R]65.447**	**8.427**	**.914**	**.117**	**.251**	**.774**	**5.122**	**7.179**	**[R]81.052**
2017 Total	**15.625**	**28.325**	**[R]19.555**	**4.987**	**[R]68.492**	**8.419**	**1.025**	**.118**	**.329**	**.868**	**5.156**	**7.495**	**[R]84.406**
2018 Total	**15.363**	**31.882**	**[R]22.812**	**5.727**	**[R]75.784**	**8.438**	**.998**	**.118**	**.384**	**.930**	**5.306**	**7.736**	**[R]91.958**
2019 Total	**14.256**	**35.187**	**[R]25.612**	**6.352**	**[R]81.407**	**8.452**	**.982**	**.116**	**.430**	**1.010**	**5.207**	**7.745**	**[R]97.603**
2020 Total	**10.703**	**35.062**	**[R]23.612**	**6.805**	**[R]76.182**	**8.251**	**.973**	**.118**	**.511**	**1.153**	**4.700**	**7.454**	**[R]91.888**
2021 Total	**11.596**	**35.807**	**[R]23.492**	**7.099**	**[R]77.994**	**8.131**	**.858**	**.118**	**.625**	**1.290**	**4.916**	**7.808**	**[R]93.933**
2022 Total	**12.043**	**37.560**	**[R]24.905**	**7.742**	**[R]82.250**	**8.061**	**.869**	**.118**	**.764**	**1.482**	**[R]5.197**	**[R]8.430**	**[R]98.741**
2023 January	1.037	3.277	[R]2.229	.669	[R]7.213	.741	.078	.010	.044	.131	[R].437	[R].699	[R]8.653
February	.931	2.953	[R]2.010	.612	[R]6.506	.636	.068	.009	.051	.141	[R].393	[R].662	[R]7.804
March	1.058	3.315	[R]2.269	.704	[R]7.346	.657	.073	.010	.067	.149	[R].439	[R].738	[R]8.741
April	.955	3.179	[R]2.173	.691	[R]6.999	.592	.068	.010	.080	.146	[R].408	[R].712	[R]8.303
May	.979	3.324	2.245	.712	[R]7.261	.639	.094	.010	.091	.110	[R].438	[R].744	[R]8.644
June	.959	3.205	[R]2.182	.687	[R]7.034	.677	.074	.010	.092	.094	[R].431	[R].701	[R]8.412
July	.950	3.319	[R]2.277	.721	[R]7.267	.730	.075	.010	.097	.096	[R].441	[R].719	[R]8.716
August	1.030	3.342	[R]2.293	.735	[R]7.400	.729	.073	.010	.093	.097	[R].445	[R].717	8.845
September	.986	3.238	2.249	.729	7.202	.685	.058	.010	.081	.097	[R].430	[R].676	[R]8.563
October	.967	3.342	[R]2.330	.754	[R]7.393	.642	.053	.010	.074	.123	[R].436	[R].697	[R]8.732
November	.967	3.280	[R]2.273	.727	[R]7.247	.651	.058	.010	.057	.124	[R].436	[R].685	[R]8.583
December	.932	3.390	[R]2.345	.737	[R]7.403	.720	.065	.010	.050	.130	[R].468	[R].724	[R]8.847
Total	**11.750**	**39.164**	**[R]26.877**	**8.480**	**[R]86.271**	**8.099**	**.836**	**.119**	**.878**	**1.437**	**[R]5.203**	**[R]8.474**	**[R]102.844**
2024 January	.912	3.325	[R]2.208	[R].681	[R]7.126	.722	.075	.010	.053	.119	[R].434	[R].692	[R]8.540
February	.910	3.185	[R]2.166	[R].696	[R]6.957	.675	.069	.010	.065	.142	[R].420	[R].705	[R]8.337
March	.866	3.298	[R]2.326	[R].772	[R]7.262	.662	.080	.010	.084	.156	[R].448	[R].777	[R]8.702
April	.740	3.163	[R]2.272	[R].760	[R]6.936	.602	.066	.010	.098	.162	[R].422	[R].757	[R]8.295
May	.814	3.263	[R]2.338	[R].792	[R]7.206	.679	.077	.010	.112	.132	[R].439	[R].769	[R]8.655
June	.890	3.197	[R]2.262	[R].764	[R]7.113	.713	.072	.010	.119	.130	[R].435	[R].765	[R]8.591
July	.898	3.347	[R]2.330	[R].777	[R]7.353	.730	.072	.010	.119	.095	[R].455	[R].752	[R]8.836
August	.973	3.313	[R]2.365	[R].792	[R]7.443	.729	.073	.010	.117	.098	[R].459	[R].758	[R]8.930
September	.943	3.167	[R]2.248	[R].777	[R]7.135	.655	.057	.010	.101	.099	[R].437	[R].703	[R]8.492
October	.915	3.308	[R]2.386	[R].818	[R]7.426	.614	.054	.009	.095	.137	[R].444	[R].739	[R]8.779
November	.846	3.204	[R]2.286	[R].793	[R]7.129	.647	.062	.010	.070	.140	[R].453	[R].735	[R]8.510
December	.883	3.394	2.370	[R].799	[R]7.446	.744	.070	.010	.065	.138	[R].463	[R].745	[R]8.936
Total	**10.591**	**39.164**	**[R]27.557**	**[R]9.221**	**[R]86.532**	**8.173**	**.826**	**.117**	**1.098**	**1.547**	**[R]5.309**	**[R]8.898**	**[R]103.603**
2025 January	.927	[E]3.355	[E]2.317	.744	7.344	.750	.072	.010	.074	.149	[R].444	[R].749	[R]8.843
February	.823	[E]3.048	[E]2.109	.695	6.675	.646	.066	.009	.080	.135	[R].402	[R].692	[R]8.013
March	.989	[E]3.454	[E]2.373	.812	[R]7.628	.653	.075	.010	.111	.173	[R].441	[R].811	[R]9.091
April	.902	[RE]3.330	[E]2.298	.790	[R]7.319	.605	.076	.010	.127	.156	[R].412	[R].780	[R]8.705
May	.953	[RE]3.438	[RE]2.371	.829	[R]7.592	.650	.082	.009	.139	.126	[R].435	[R].791	[R]9.033
June	.916	[E]3.340	[E]2.318	.803	7.377	.692	.075	.010	.147	.122	.435	.788	8.857
6-Month Total	**5.509**	**[E]19.965**	**[E]13.786**	**4.674**	**43.935**	**3.996**	**.447**	**.058**	**.678**	**.861**	**2.568**	**4.612**	**52.542**
2024 6-Month Total	**5.132**	**[E]19.431**	**[E]13.572**	**4.465**	**42.601**	**4.053**	**.439**	**.058**	**.531**	**.841**	**2.598**	**4.466**	**51.120**
2023 6-Month Total	**5.919**	**19.253**	**13.110**	**4.077**	**42.359**	**3.942**	**.454**	**.059**	**.426**	**.771**	**2.547**	**4.257**	**50.557**

[a] 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.

[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/#summary (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.