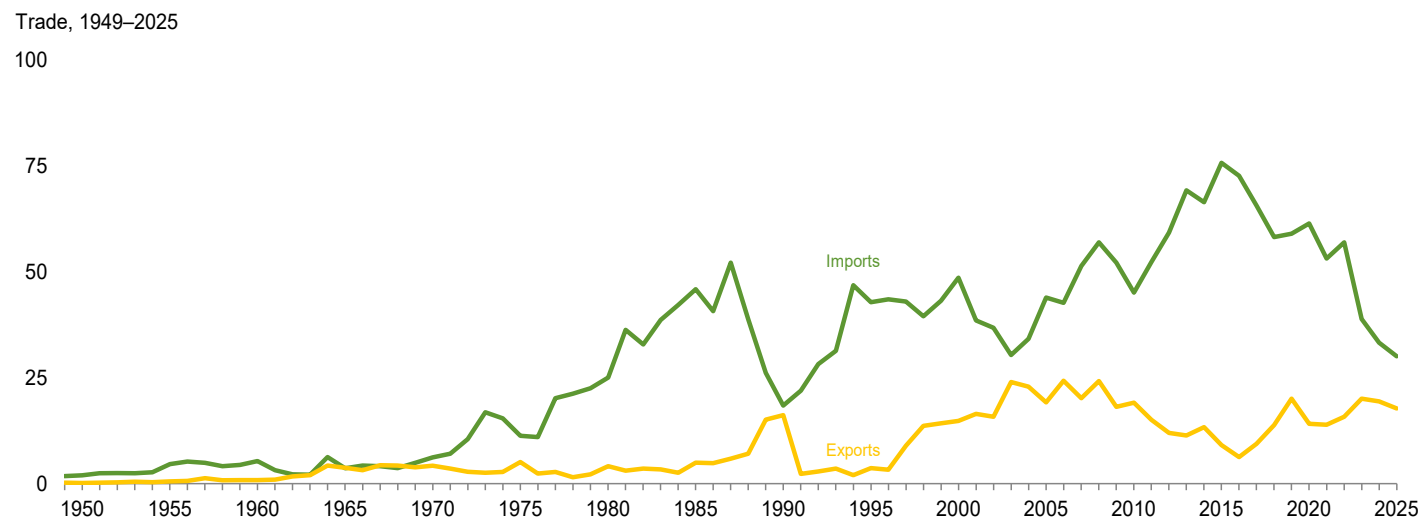
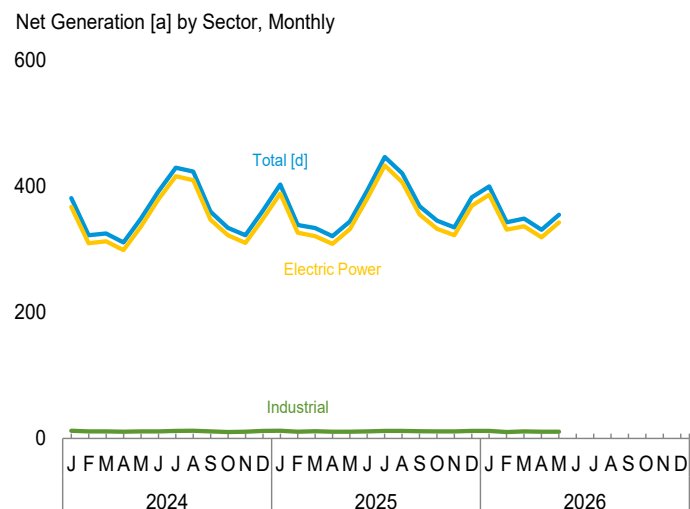
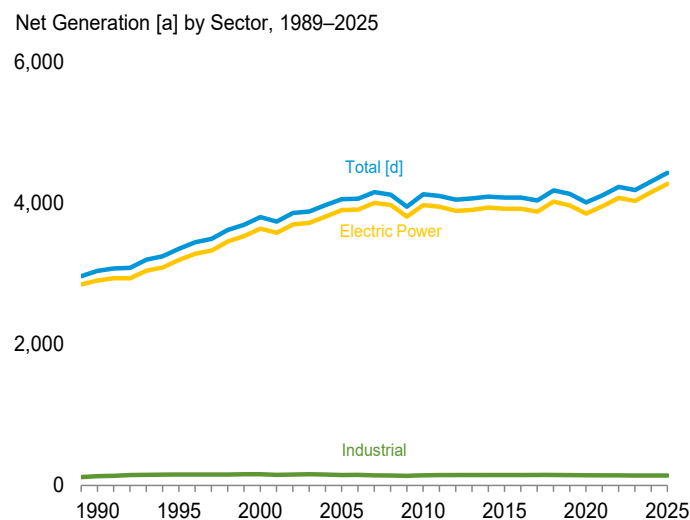
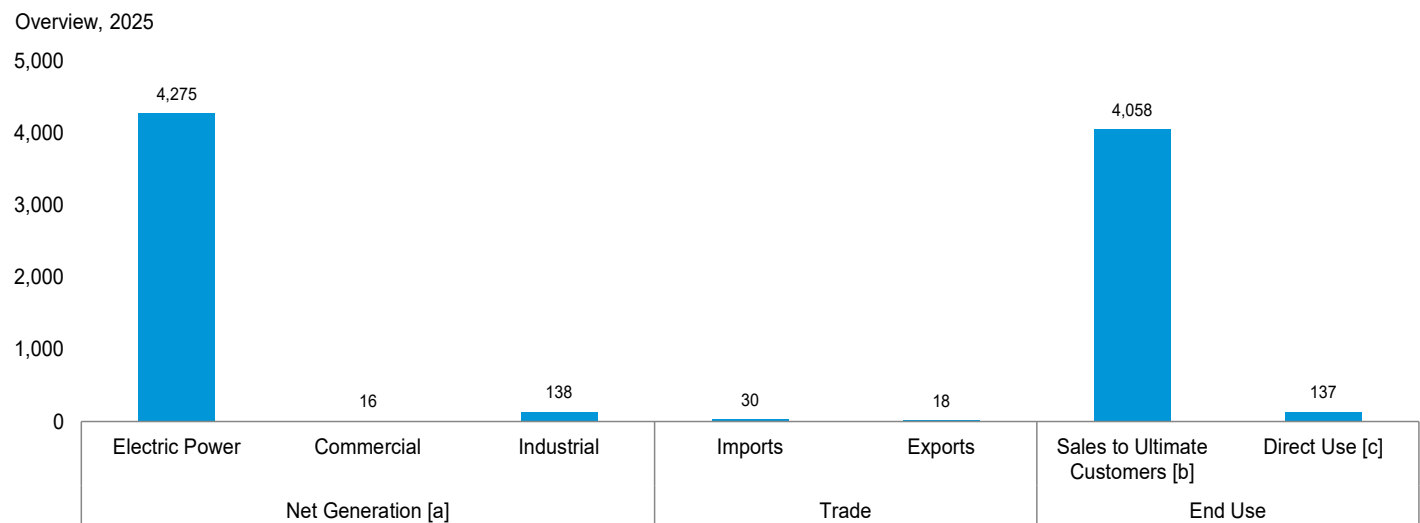


7. Electricity

Figure 7.1 Electricity Overview
(Billion Kilowatthours)



[a] Data are for utility-scale facilities.
[b] Electricity sales to ultimate customers reported by electric utilities and other energy service providers.
[c] See “Direct Use” in Glossary.
[d] Includes commercial sector.
Web Page: <http://www.eia.gov/totalenergy/data/monthly/#electricity>.
Source: Table 7.1.

Table 7.1 Electricity Overview
(Billion Kilowatthours)

	Net Generation ^a				Trade			T&D Losses ^f and Unaccounted for ^g	End Use		
	Electric Power Sector ^b	Com- mercial Sector ^c	Indus- trial Sector ^d	Total	Imports ^e	Exports ^e	Net Imports ^e		Sales to Ultimate Customers ^h	Direct Use ⁱ	Total
1950 Total	329	NA	5	334	2	(s)	2	44	291	NA	291
1955 Total	547	NA	3	550	5	(s)	4	58	497	NA	497
1960 Total	756	NA	4	759	5	1	5	76	688	NA	688
1965 Total	1,055	NA	3	1,058	4	1	(s)	104	954	NA	954
1970 Total	1,532	NA	3	1,535	6	4	2	145	1,392	NA	1,392
1975 Total	1,918	NA	3	1,921	11	5	6	180	1,747	NA	1,747
1980 Total	2,286	NA	3	2,290	25	4	21	216	2,094	NA	2,094
1985 Total	2,470	NA	3	2,473	46	5	41	190	2,324	NA	2,324
1990 Total	2,901	6	^d 131	3,038	18	16	2	203	2,713	125	2,837
1995 Total	3,194	8	151	3,353	43	4	39	229	3,013	151	3,164
2000 Total	3,638	8	157	3,802	49	15	34	244	3,421	171	3,592
2005 Total	3,902	8	145	4,055	44	19	25	269	3,661	150	3,811
2010 Total	3,972	9	144	4,125	45	19	26	264	3,755	132	3,887
2011 Total	3,948	10	142	4,100	52	15	37	255	3,750	133	3,883
2012 Total	3,890	11	146	4,048	59	12	47	263	3,695	138	3,832
2013 Total	3,904	12	150	4,066	69	11	58	256	3,725	143	3,868
2014 Total	3,937	13	144	4,094	67	13	53	244	3,765	139	3,903
2015 Total	3,920	13	146	4,079	76	9	67	245	3,759	141	3,900
2016 Total	3,919	13	146	4,078	73	6	67	242	3,762	140	3,902
2017 Total	3,879	13	144	4,035	66	9	56	227	3,723	141	3,864
2018 Total	4,021	13	147	4,181	58	14	44	222	3,859	144	4,003
2019 Total	3,968	14	149	4,131	59	20	39	215	3,811	143	3,954
2020 Total	3,854	13	143	4,010	61	14	47	201	3,718	139	3,856
2021 Total	3,957	13	140	4,110	53	14	39	204	3,806	139	3,945
2022 Total	4,074	17	140	4,231	57	16	41	205	3,927	140	4,067
2023 Total	4,029	16	139	4,183	39	20	19	191	3,874	137	4,011
2024 January	367	1	12	381	4	2	2	27	344	^E 12	356
February	310	1	11	322	3	2	(s)	8	303	^E 11	314
March	312	1	11	325	2	3	(s)	16	297	^E 11	308
April	299	1	11	311	2	2	(s)	13	286	^E 11	297
May	336	1	11	348	2	2	(s)	23	314	^E 11	325
June	379	1	11	392	3	1	1	26	356	^E 11	367
July	416	1	12	429	4	2	2	22	398	^E 12	410
August	409	1	12	423	3	1	2	19	394	^E 12	406
September	347	1	11	359	3	1	2	7	343	^E 11	354
October	322	1	10	334	3	1	2	10	316	^E 10	326
November	310	1	11	322	2	1	1	16	296	^E 11	307
December	348	1	12	361	3	1	2	24	328	^E 12	340
Total	4,157	15	137	4,309	33	19	14	212	3,975	135	4,110
2025 January	389	1	12	402	4	1	3	31	362	^E 12	374
February	326	1	11	339	3	1	2	9	321	^E 11	331
March	321	1	12	334	2	2	1	16	307	^E 11	319
April	309	1	11	320	3	1	2	17	295	^E 11	305
May	332	1	11	344	3	1	2	23	312	^E 11	323
June	381	1	11	393	3	1	2	27	357	^E 11	368
July	433	1	12	446	2	1	1	28	408	^E 12	420
August	407	1	12	420	2	1	1	17	393	^E 12	405
September	355	1	12	368	2	1	1	12	346	^E 11	358
October	332	1	11	345	2	2	-1	13	321	^E 11	332
November	322	1	11	335	1	2	-1	24	299	^E 11	310
December	369	1	12	382	2	3	-1	32	338	^E 12	350
Total	4,275	16	138	4,430	30	18	12	247	4,058	^E 137	4,195
2026 January	386	1	12	400	2	3	(s)	31	356	^E 12	368
February	331	1	11	343	2	2	(s)	10	323	^E 10	333
March	336	1	11	349	2	2	(s)	23	314	^E 11	325
April	319	1	11	331	2	2	(s)	18	302	^E 11	313
May	343	1	11	355	^F 2	^F 2	^F (s)	24	320	^E 11	331
5-Month Total	1,715	6	55	1,776	^E 10	^E 11	^E (s)	106	1,616	^E 55	1,670
2025 5-Month Total	1,676	6	57	1,739	16	6	10	96	1,597	^E 56	1,653
2024 5-Month Total	1,624	6	57	1,688	12	11	1	88	1,544	^E 56	1,601

^a Electricity net generation at utility-scale facilities. Does not include small-scale solar photovoltaic (PV) generation shown on Table 10.6. See Note 1, "Coverage of Electricity Statistics," at end of section.

^b Electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Through 1988, data are for electric utilities only; beginning in 1989, data are for electric utilities and independent power producers.

^c Commercial combined-heat-and-power (CHP) and commercial electricity-only plants.

^d Industrial combined-heat-and-power (CHP) and industrial electricity-only plants. Through 1988, data are for industrial hydroelectric power only.

^e Electricity transmitted across U.S. borders. Net imports equal imports minus exports.

^f Transmission and distribution losses (electricity losses that occur between the point of generation and delivery to the customer). See Note 1, "Electrical System Energy Losses," at end of Section 2.

^g Data collection frame differences and nonsampling error.

^h Electricity sales to ultimate customers by electric utilities and, beginning in

1996, other energy service providers.

ⁱ Use of electricity that is 1) self-generated, 2) produced by either the same entity that consumes the power or an affiliate, and 3) used in direct support of a service or industrial process located within the same facility or group of facilities that house the generating equipment. Direct use is exclusive of station use.

E=Estimate. F=Forecast. NA=Not available. (s)=Less than 0.5 billion kilowatthours and greater than -0.5 billion kilowatthours.

Notes: • See Note 1, "Coverage of Electricity Statistics," and Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of section.

• Data values preceded by "F" are derived from the U.S. Energy Information Administration's Short-Term Integrated Forecasting System. See Note 3, "Electricity Forecast Values," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

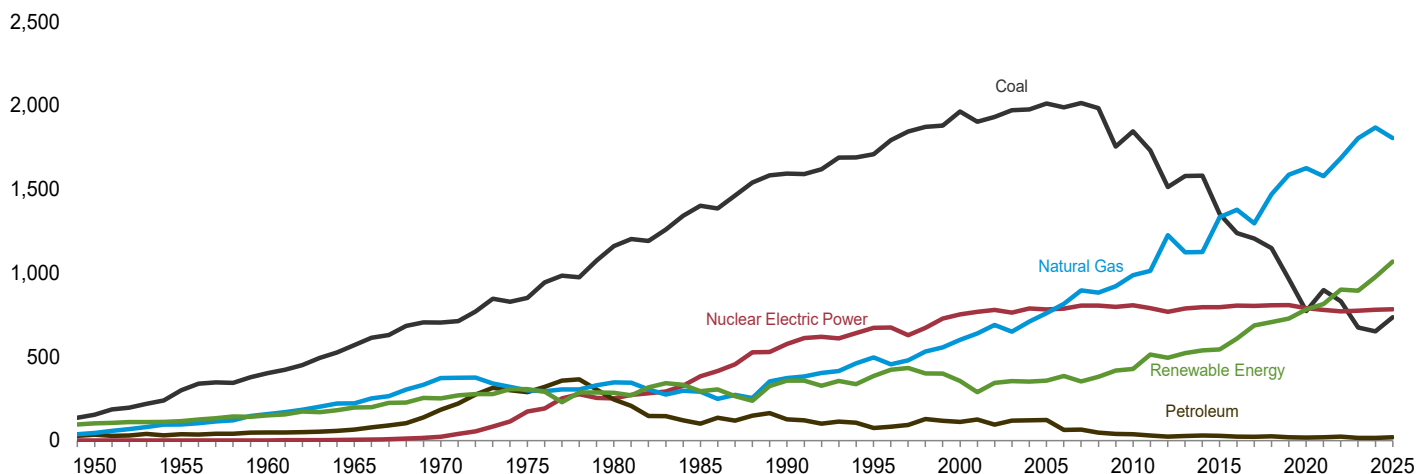
Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#electricity> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

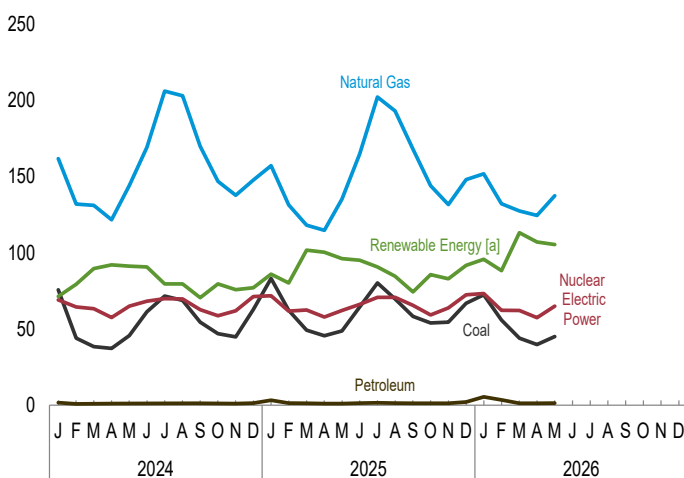
Figure 7.2 Electricity Net Generation

(Billion Kilowatthours)

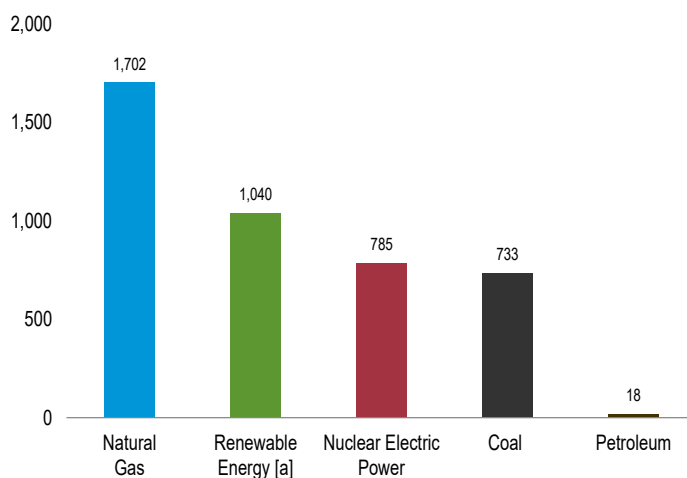
Total (All Sectors), Major Sources, 1949–2025



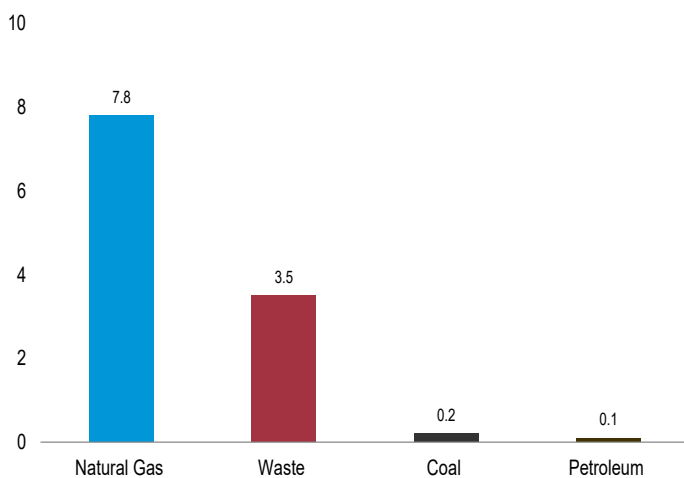
Total (All Sectors), Major Sources, Monthly



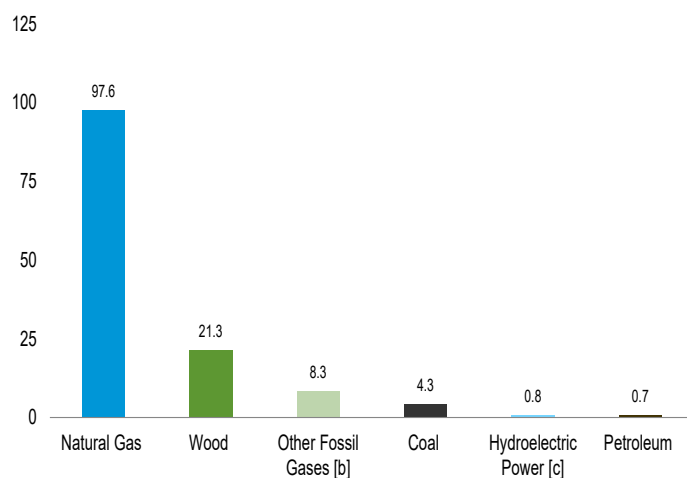
Electric Power Sector, Major Sources, 2025



Commercial Sector, Major Sources, 2025



Industrial Sector, Major Sources, 2025



[a] Conventional hydroelectric power, wood, waste, geothermal, solar, and wind.

[b] Blast furnace gas, and other manufactured and waste gases derived from fossil fuels.

[c] Conventional hydroelectric power.

Note: Data are for utility-scale facilities.

Web Page: <http://www.eia.gov/totalenergy/data/monthly/#electricity>.

Sources: Tables 7.2a-7.2c.

Table 7.2a Electricity Net Generation: Total (All Sectors)

(Sum of Tables 7.2b and 7.2c; Million Kilowatthours)

	Fossil Fuels						Hydro- electric Pumped Storage ^e	Renewable Energy						Total ^j
	Coal ^a	Petro- leum ^b	Natural Gas ^c	Other Fossil Gases ^d	Nuclear Electric Power			Conven- tional Hydro- electric Power ^f	Biomass		Geo- thermal	Solar ⁱ	Wind	
									Wood ^g	Waste ^h				
1950 Total	154,520	33,734	44,559	NA	0	()	()	100,885	390	NA	NA	NA	NA	334,088
1955 Total	301,363	37,138	95,285	NA	0	()	()	116,236	276	NA	NA	NA	NA	550,299
1960 Total	403,067	47,987	157,970	NA	518	()	()	149,440	140	NA	33	NA	NA	759,156
1965 Total	570,926	64,801	221,559	NA	3,657	()	()	196,984	269	NA	189	NA	NA	1,058,386
1970 Total	704,394	184,183	372,890	NA	21,804	()	()	250,957	136	220	525	NA	NA	1,535,111
1975 Total	852,786	289,095	299,778	NA	172,505	()	()	303,153	18	174	3,246	NA	NA	1,920,755
1980 Total	1,161,562	245,994	346,240	NA	251,116	()	()	279,182	275	158	5,073	NA	NA	2,289,600
1985 Total	1,402,128	100,202	291,946	NA	383,691	()	()	284,311	743	640	9,325	11	6	2,473,002
1990 Total ^k	1,594,011	126,460	372,765	10,383	576,862	-3,508	292,866	32,522	13,260	15,434	367	2,789		3,037,827
1995 Total	1,709,426	74,554	496,058	13,870	673,402	-2,725	310,833	36,521	20,405	13,378	497	3,164		3,353,487
2000 Total	1,966,265	111,221	601,038	13,955	753,893	-5,539	275,573	37,595	23,131	14,093	493	5,593		3,802,105
2005 Total	2,012,873	122,225	760,960	13,464	781,986	-6,558	270,321	38,856	15,420	14,692	550	17,811		4,055,423
2010 Total	1,847,290	37,061	987,697	11,313	806,968	-5,501	260,203	37,172	18,917	15,219	1,212	94,652		4,125,060
2011 Total	1,733,430	30,182	1,013,689	11,566	790,204	-6,421	319,355	37,449	19,222	15,316	1,818	120,177		4,100,141
2012 Total	1,514,043	23,190	1,225,894	11,898	769,331	-4,950	276,240	37,799	19,823	15,562	4,327	140,822		4,047,765
2013 Total	1,581,115	27,164	1,124,836	12,853	789,016	-4,681	268,565	40,028	20,830	15,775	9,036	167,840		4,065,964
2014 Total	1,581,710	30,232	1,126,635	12,022	797,166	-6,174	259,367	42,340	21,650	15,877	17,691	181,655		4,093,564
2015 Total	1,352,398	28,249	1,334,668	13,117	797,178	-5,091	249,080	41,929	21,703	15,918	24,893	190,719		4,078,714
2016 Total	1,239,149	24,205	1,379,271	12,807	805,694	-6,686	267,812	40,947	21,813	15,826	36,054	226,993		4,077,574
2017 Total	1,205,835	21,390	1,297,703	12,469	804,950	-6,495	300,333	41,124	21,610	15,927	53,287	254,303		4,035,443
2018 Total	1,149,487	25,226	1,471,843	13,463	807,084	-5,905	292,524	40,936	20,896	15,967	63,825	272,667		4,180,988
2019 Total	964,957	18,341	1,588,533	12,591	809,409	-5,261	287,874	38,543	18,964	15,473	71,937	295,882		4,130,574
2020 Total	773,393	17,341	1,626,790	11,818	789,879	-5,321	285,274	36,219	18,493	15,890	89,199	337,938		4,009,767
2021 Total	897,999	19,173	1,579,190	11,397	779,645	-5,112	251,585	36,463	17,790	15,975	115,258	378,197		4,109,699
2022 Total	831,512	22,931	1,687,065	11,722	771,537	-6,028	254,789	35,466	16,383	16,087	143,792	434,297		4,230,668
2023 Total	675,115	16,233	1,806,063	11,778	774,873	-5,990	245,002	31,615	15,585	16,367	165,530	421,141		4,183,270
2024 January	75,618	1,828	161,667	1,074	69,080	-414	21,554	2,849	1,295	1,399	9,583	34,791		381,122
February	44,137	957	131,845	931	64,584	-404	20,795	2,621	1,203	1,303	12,540	40,982		322,214
March	38,505	991	131,137	882	63,346	-349	23,363	2,651	1,241	1,359	16,019	45,102		324,938
April	37,246	1,144	121,532	913	57,542	-338	20,916	2,423	1,149	1,280	19,241	47,088		310,780
May	45,812	1,154	143,993	889	64,973	-284	24,477	2,575	1,283	1,246	22,371	39,256		348,485
June	61,339	1,279	169,156	941	68,192	-579	22,397	2,681	1,211	1,202	24,459	38,661		391,632
July	71,565	1,448	205,959	949	69,851	-639	21,384	2,806	1,264	1,218	24,484	28,304		429,317
August	68,760	1,424	202,915	911	69,760	-798	20,491	2,839	1,297	1,227	24,328	29,290		423,127
September	54,559	1,075	169,671	836	62,660	-637	15,911	2,563	1,222	1,201	20,538	29,178		359,397
October	46,890	1,160	146,711	801	58,773	-439	15,352	2,240	1,242	1,261	19,828	39,592		333,980
November	44,924	1,095	137,687	800	61,904	-490	16,723	2,550	1,213	1,317	13,841	40,133		322,351
December	62,800	1,528	147,630	919	71,200	-481	19,533	2,765	1,238	1,393	12,601	39,527		361,292
Total	652,156	15,084	1,869,902	10,845	781,865	-5,852	242,896	31,564	14,858	15,407	219,834	451,904		4,308,634
2025 January	83,153	3,289	157,001	1,104	71,739	-467	21,431	2,758	1,255	1,389	15,454	43,600		402,345
February	62,306	1,518	131,374	1,111	61,829	-410	19,543	2,527	1,165	1,252	16,448	39,346		338,592
March	49,215	1,270	118,118	772	62,457	-399	22,451	2,691	1,247	1,388	23,238	50,591		333,629
April	45,526	1,175	114,642	648	57,893	-259	22,839	2,290	1,177	1,306	26,781	45,876		320,478
May	48,778	1,107	135,072	634	62,145	-271	24,356	2,588	1,197	1,253	29,746	36,873		344,034
June	64,502	1,532	164,793	962	66,222	-420	22,159	2,700	1,205	1,278	32,034	35,776		393,285
July	80,260	1,674	201,991	887	70,781	-486	19,982	2,899	1,230	1,285	33,424	31,810		446,320
August	69,728	1,520	192,894	864	70,705	-568	20,098	2,833	1,204	1,349	31,809	27,307		420,242
September	58,302	1,297	167,876	963	65,458	-457	15,285	2,713	1,136	1,284	28,149	25,673		368,145
October	54,019	1,379	143,985	1,086	59,222	-513	16,545	2,467	1,161	1,267	24,605	39,534		345,253
November	54,490	1,315	131,565	867	63,809	-610	18,415	2,581	1,188	1,263	18,592	40,957		334,986
December	66,871	2,183	148,027	800	72,521	-462	23,920	2,762	1,214	1,355	15,392	47,048		382,194
Total	737,151	19,260	1,807,338	10,697	784,781	-5,320	247,023	31,809	14,378	15,669	295,671	464,391		4,429,502
2026 January	72,503	5,548	151,630	912	73,251	-515	27,909	2,828	1,165	1,417	17,985	44,434		399,529
February	55,859	3,446	132,089	797	62,384	-539	22,462	2,561	1,076	1,263	21,305	39,707		342,801
March	44,132	1,262	127,375	875	62,096	-591	26,922	2,549	1,160	1,334	29,000	52,219		348,756
April	39,777	1,257	124,449	872	57,373	-463	22,494	2,112	1,070	1,224	31,104	49,136		330,707
May	45,119	1,447	137,271	608	65,001	-409	22,738	2,597	1,125	1,277	36,418	41,157		354,691
5-Month Total	257,389	12,959	672,814	4,065	320,105	-2,518	122,525	12,647	5,596	6,515	135,813	226,653		1,776,483
2025 5-Month Total	288,979	8,359	656,207	4,269	316,061	-1,805	110,620	12,853	6,041	6,588	111,665	216,286		1,739,078
2024 5-Month Total	241,318	6,075	690,174	4,689	319,524	-1,789	111,105	13,120	6,171	6,587	79,754	207,218		1,687,539

^a Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synefuel.

^b Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, and, beginning in 2011, propane.

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

^d Blast furnace gas, and other manufactured and waste gases derived from fossil fuels. Through 2010, also includes propane gas.

^e Pumped storage facility production minus energy used for pumping.

^f Through 1989, hydroelectric pumped storage is included in "Conventional Hydroelectric Power."

^g Wood and wood-derived fuels.

^h Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

ⁱ Electricity net generation from solar thermal and photovoltaic (PV) energy at utility-scale facilities. Does not include small-scale solar photovoltaic generation.

See Table 10.6.

^j Includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^k Through 1988, all data except hydroelectric are for electric utilities only; hydroelectric data through 1988 include industrial plants as well as electric utilities. Beginning in 1989, data are for electric utilities, independent power producers, commercial plants, and industrial plants.

NA=Not available.

Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • 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/#electricity> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: Tables 7.2b and 7.2c.

Table 7.2b Electricity Net Generation: Electric Power Sector
(Subset of Table 7.2a; Million Kilowatthours)

	Fossil Fuels				Nuclear Electric Power	Hydro- electric Pumped Storage ^e	Renewable Energy						Total ⁱ
	Coal ^a	Petro- leum ^b	Natural Gas ^c	Other Fossil Gases ^d			Conven- tional Hydro- electric Power ^f	Biomass		Geo- thermal	Solar ⁱ	Wind	
								Wood ^g	Waste ^h				
1950 Total	154,520	33,734	44,559	NA	0	()	95,938	390	NA	NA	NA	NA	329,141
1955 Total	301,363	37,138	95,285	NA	0	()	112,975	276	NA	NA	NA	NA	547,038
1960 Total	403,067	47,987	157,970	NA	518	()	145,833	140	NA	33	NA	NA	755,549
1965 Total	570,926	64,801	221,559	NA	3,657	()	193,851	269	NA	189	NA	NA	1,055,252
1970 Total	704,394	184,183	372,890	NA	21,804	()	247,714	136	220	525	NA	NA	1,531,868
1975 Total	852,786	289,095	299,778	NA	172,505	()	300,047	18	174	3,246	NA	NA	1,917,649
1980 Total	1,161,562	245,994	346,240	NA	251,116	()	276,021	275	158	5,073	NA	NA	2,286,439
1985 Total	1,402,128	100,202	291,946	NA	383,691	()	281,149	743	640	9,325	11	6	2,469,841
1990 Total ^k	1,572,109	118,864	309,486	621	576,862	-3,508	289,753	7,032	11,500	15,434	367	2,789	2,901,322
1995 Total	1,686,056	68,146	419,179	1,927	673,402	-2,725	305,410	7,597	17,986	13,378	497	3,164	3,194,230
2000 Total	1,943,111	105,192	517,978	2,028	753,893	-5,539	271,338	8,916	20,307	14,093	493	5,593	3,637,529
2005 Total	1,992,054	116,482	683,829	3,777	781,986	-6,558	267,040	10,570	13,031	14,692	550	17,811	3,902,192
2010 Total	1,827,738	34,679	901,389	2,967	806,968	-5,501	258,455	11,446	16,376	15,219	1,206	94,636	3,972,386
2011 Total	1,717,891	28,202	926,290	2,939	790,204	-6,421	317,531	10,733	15,989	15,316	1,727	120,121	3,948,186
2012 Total	1,500,557	20,072	1,132,791	2,984	769,331	-4,950	273,859	11,050	16,555	15,562	4,164	140,749	3,890,358
2013 Total	1,567,722	24,510	1,028,949	4,322	789,016	-4,681	265,058	12,302	16,918	15,775	8,724	167,742	3,903,715
2014 Total	1,568,774	28,043	1,033,198	3,358	797,166	-6,174	258,046	15,027	17,602	15,877	17,304	181,496	3,936,961
2015 Total	1,340,993	26,505	1,238,842	3,715	797,178	-5,091	247,636	14,563	17,823	15,918	24,456	190,547	3,920,407
2016 Total	1,229,663	22,710	1,280,344	3,912	805,694	-6,686	266,326	13,420	18,183	15,826	35,497	226,790	3,918,977
2017 Total	1,197,838	20,039	1,198,014	4,126	804,950	-6,495	298,711	13,641	18,084	15,927	52,724	254,074	3,878,625
2018 Total	1,142,173	23,928	1,368,532	4,086	807,084	-5,905	291,148	13,385	17,623	15,934	63,253	272,396	4,020,877
2019 Total	958,732	17,220	1,479,858	4,037	809,409	-5,261	286,652	12,020	16,091	15,031	71,265	295,604	3,968,348
2020 Total	767,702	16,333	1,522,299	3,174	789,879	-5,321	284,059	11,211	15,625	15,441	88,511	337,666	3,854,170
2021 Total	892,440	18,308	1,476,603	3,304	779,645	-5,112	250,391	11,897	14,834	15,473	114,523	377,917	3,957,181
2022 Total	826,097	21,827	1,582,687	3,451	771,537	-6,028	253,627	12,002	11,739	16,087	142,847	433,994	4,073,888
2023 Total	670,569	15,388	1,699,855	3,340	774,873	-5,990	243,865	10,187	11,194	16,367	164,590	420,900	4,028,541
2024 January	75,201	1,759	152,122	292	69,080	-414	21,436	979	903	1,399	9,537	34,771	367,315
February	43,768	890	123,418	244	64,584	-404	20,678	841	844	1,303	12,474	40,967	309,830
March	38,107	931	122,719	227	63,346	-349	23,242	796	869	1,359	15,928	45,082	312,454
April	36,939	1,084	113,312	256	57,542	-338	20,796	647	794	1,280	19,133	47,065	298,668
May	45,465	1,104	135,634	210	64,973	-284	24,360	742	893	1,246	22,245	39,236	336,017
June	60,981	1,220	160,747	291	68,192	-579	22,315	861	860	1,202	24,330	38,643	379,202
July	71,163	1,385	196,755	265	69,851	-639	21,312	910	900	1,218	24,359	28,291	415,921
August	68,374	1,373	193,302	224	69,760	-798	20,416	935	925	1,227	24,209	29,276	409,363
September	54,196	1,030	161,042	264	62,660	-637	15,855	777	872	1,201	20,438	29,163	346,986
October	46,532	1,111	138,818	246	58,773	-439	15,269	572	877	1,261	19,738	39,574	322,427
November	44,555	1,042	129,529	217	61,904	-490	16,650	700	847	1,317	13,780	40,106	310,289
December	62,396	1,465	138,574	238	71,200	-481	19,445	891	867	1,393	12,551	39,497	348,153
Total	647,676	14,394	1,765,974	2,976	781,865	-5,852	241,775	9,653	10,451	15,407	218,722	451,672	4,156,627
2025 January	82,715	3,188	147,408	299	71,739	-467	21,333	940	894	1,389	15,379	43,571	388,520
February	61,925	1,460	123,177	321	61,829	-410	19,455	848	817	1,252	16,371	39,322	326,482
March	48,811	1,201	109,308	160	62,457	-399	22,347	865	882	1,388	23,126	50,560	320,799
April	45,163	1,122	106,495	128	57,893	-259	22,737	590	832	1,306	26,654	45,847	308,595
May	48,455	1,046	126,691	121	62,145	-271	24,246	791	865	1,253	29,610	36,849	331,852
June	64,126	1,450	156,294	251	66,222	-420	22,059	894	876	1,278	31,774	35,754	380,605
July	79,852	1,624	192,817	235	70,781	-486	19,888	975	886	1,285	33,147	31,791	432,852
August	69,351	1,428	183,662	144	70,705	-568	20,006	965	851	1,349	31,549	27,289	406,689
September	57,947	1,240	159,150	158	65,458	-457	15,211	923	808	1,284	27,870	25,656	355,223
October	53,669	1,312	135,442	204	59,222	-513	16,467	751	788	1,267	24,365	39,506	332,470
November	54,148	1,259	122,758	191	63,809	-610	18,330	829	829	1,263	18,407	40,927	322,201
December	66,517	2,123	138,760	146	72,521	-462	23,824	987	849	1,355	15,245	47,014	368,913
Total	732,679	18,453	1,701,962	2,357	784,781	-5,320	245,901	10,358	10,177	15,669	293,499	464,086	4,275,202
2026 January	72,113	5,438	142,522	185	73,251	-515	27,793	1,005	829	1,417	17,795	44,402	386,211
February	55,509	3,351	124,159	129	62,384	-539	22,371	969	791	1,263	21,094	39,681	331,112
March	43,795	1,202	118,939	153	62,096	-591	26,804	891	832	1,334	28,722	52,185	336,288
April	39,486	1,187	116,294	158	57,373	-463	22,393	622	786	1,224	30,814	49,103	318,838
May	44,806	1,373	128,931	89	65,001	-409	22,633	905	825	1,277	36,084	41,130	342,517
5-Month Total	255,709	12,551	630,845	716	320,105	-2,518	121,994	4,393	4,063	6,515	134,510	226,502	1,714,966
2025 5-Month Total	287,068	8,018	613,080	1,028	316,061	-1,805	110,116	4,035	4,289	6,588	111,140	216,149	1,676,248
2024 5-Month Total	239,479	5,769	647,206	1,230	319,524	-1,789	110,512	4,005	4,303	6,587	79,317	207,121	1,624,284

^a Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^b Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, and, beginning in 2011, propane.

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

^d Blast furnace gas, and other manufactured and waste gases derived from fossil fuels. Through 2010, also includes propane gas.

^e Pumped storage facility production minus energy used for pumping.

^f Through 1989, hydroelectric pumped storage is included in "Conventional Hydroelectric Power."

^g Wood and wood-derived fuels.

^h Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

ⁱ Electricity net generation from solar thermal and photovoltaic (PV) energy at utility-scale facilities. Does not include small-scale solar photovoltaic generation.

See Table 10.6.

^j Includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^k Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities and independent power producers.

NA=Not available.

Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • 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/#electricity> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Table 7.2c Electricity Net Generation: Commercial and Industrial Sectors
(Subset of Table 7.2a; Million Kilowatthours)

	Commercial Sector ^a					Industrial Sector ^b								
	Coal ^c	Petro- leum ^d	Natural Gas ^e	Biomass	Total ^g	Coal ^c	Petro- leum ^d	Natural Gas ^e	Other Fossil Gases ^h	Hydro- electric Power ⁱ	Biomass		Total ^k	
				Waste ^f							Wood ^j	Waste ^f		
1950 Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,946	NA	NA	4,946	
1955 Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,261	NA	NA	3,261	
1960 Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,607	NA	NA	3,607	
1965 Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,134	NA	NA	3,134	
1970 Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,244	NA	NA	3,244	
1975 Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,106	NA	NA	3,106	
1980 Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,161	NA	NA	3,161	
1985 Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,161	NA	NA	3,161	
1990 Total	796	589	3,272	812	5,837	21,107	7,008	60,007	9,641	2,975	25,379	949	130,830	
1995 Total	998	379	5,162	1,519	8,232	22,372	6,030	71,717	11,943	5,304	28,868	900	151,025	
2000 Total	1,097	432	4,262	1,985	7,903	22,056	5,597	78,798	11,927	4,135	28,652	839	156,673	
2005 Total	1,353	375	4,249	1,657	8,492	19,466	5,368	72,882	9,687	3,195	28,271	733	144,739	
2010 Total	1,111	124	4,725	1,672	8,592	18,441	2,258	81,583	8,343	1,668	25,706	869	144,082	
2011 Total	1,049	89	5,487	2,315	10,080	14,490	1,891	81,911	8,624	1,799	26,691	917	141,875	
2012 Total	883	196	6,603	2,319	11,301	12,603	2,922	86,500	8,913	2,353	26,725	948	146,107	
2013 Total	839	124	7,154	2,567	12,234	12,554	2,531	88,733	8,531	3,463	27,691	1,346	150,015	
2014 Total	595	255	7,227	2,681	12,520	12,341	1,934	86,209	8,664	1,282	27,239	1,367	144,083	
2015 Total	509	191	7,471	2,637	12,595	10,896	1,552	88,355	9,401	1,410	27,318	1,243	145,712	
2016 Total	383	82	7,730	2,496	12,706	9,103	1,412	91,197	8,895	1,269	27,458	1,134	145,890	
2017 Total	329	112	8,042	2,515	13,060	7,669	1,239	91,647	8,343	1,382	27,412	1,012	143,758	
2018 Total	303	140	8,419	2,404	13,312	7,011	1,157	94,892	9,377	1,149	27,475	868	146,798	
2019 Total	268	121	8,610	2,129	13,689	5,957	1,000	100,065	8,554	1,033	26,433	743	148,537	
2020 Total	240	100	8,110	2,053	13,046	5,451	908	96,381	8,644	1,001	24,916	814	142,551	
2021 Total	280	98	7,346	2,156	12,768	5,278	767	95,240	8,093	936	24,413	800	139,750	
2022 Total	287	112	7,830	3,838	16,737	5,128	993	96,548	8,271	899	23,289	806	140,043	
2023 Total	220	78	7,744	3,693	16,066	4,327	767	98,463	8,438	844	21,320	698	138,664	
2024 January	34	1	620	320	1,330	383	68	8,925	782	88	1,854	72	12,477	
February	23	(s)	567	289	1,204	346	67	7,860	687	89	1,774	70	11,181	
March	19	2	565	295	1,221	380	59	7,853	655	89	1,852	77	11,263	
April	15	3	533	288	1,187	293	57	7,687	657	89	1,775	67	10,925	
May	7	1	525	320	1,245	341	49	7,834	680	85	1,828	70	11,224	
June	10	7	613	302	1,308	348	52	7,795	649	58	1,809	49	11,122	
July	14	1	728	309	1,435	388	62	8,475	684	48	1,878	56	11,960	
August	15	(s)	699	312	1,409	371	51	8,914	687	51	1,894	59	12,354	
September	16	-1	602	293	1,257	346	46	8,027	572	36	1,772	57	11,154	
October	14	-2	563	300	1,215	344	52	7,330	555	62	1,662	65	10,338	
November	17	2	563	298	1,210	352	51	7,595	583	51	1,837	68	10,852	
December	19	2	580	305	1,238	385	61	8,476	681	63	1,863	65	11,900	
Total	204	15	7,157	3,631	15,258	4,276	675	96,771	7,870	810	21,800	776	136,749	
2025 January	28	NM	656	297	1,351	410	83	8,936	805	67	1,807	64	12,474	
February	22	NM	577	287	1,228	359	49	7,620	790	63	1,667	61	10,882	
March	16	6	611	299	1,295	388	63	8,199	613	76	1,818	66	11,535	
April	14	4	534	286	1,196	349	49	7,613	521	69	1,696	59	10,687	
May	15	NM	546	274	1,194	308	58	7,835	513	78	1,792	58	10,989	
June	12	6	662	283	1,345	363	76	7,837	710	70	1,785	46	11,335	
July	18	5	768	292	1,474	390	45	8,406	652	68	1,905	52	11,993	
August	15	14	727	298	1,445	362	78	8,506	720	63	1,854	54	12,107	
September	17	4	671	276	1,324	338	53	8,054	805	54	1,774	52	11,598	
October	17	4	664	303	1,357	332	63	7,879	882	55	1,707	70	11,426	
November	18	5	665	295	1,340	324	51	8,143	676	58	1,738	64	11,445	
December	16	NM	685	301	1,369	338	49	8,582	654	62	1,761	64	11,912	
Total	210	89	7,765	3,490	15,917	4,262	717	97,611	8,340	783	21,305	712	138,383	
2026 January	24	NM	679	276	1,362	366	NM	8,429	727	73	1,809	60	11,956	
February	20	NM	618	233	1,188	330	69	7,312	667	58	1,584	52	10,501	
March	11	7	672	272	1,318	325	52	7,764	722	80	1,648	56	11,150	
April	12	5	588	233	1,163	280	64	7,568	714	66	1,486	51	10,706	
May	15	NM	602	251	1,239	298	70	7,738	518	69	1,691	50	10,934	
5-Month Total	81	81	3,159	1,264	6,270	1,599	327	38,810	3,349	346	8,218	269	55,247	
2025 5-Month Total	97	40	2,923	1,442	6,263	1,814	302	40,204	3,241	352	8,780	309	56,567	
2024 5-Month Total	97	6	2,809	1,512	6,186	1,742	300	40,158	3,460	441	9,084	356	57,069	

^a Commercial combined-heat-and-power (CHP) and commercial electricity-only plants.

^b Industrial combined-heat-and-power (CHP) and industrial electricity-only plants.

^c Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^d Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, and, beginning in 2011, propane.

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

^f Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^g Includes a small amount of conventional hydroelectric power, geothermal, other fossil gases, solar photovoltaic (PV) energy, wind, wood, and other, which are not separately displayed. Does not include small-scale solar photovoltaic generation, shown on Table 10.6.

^h Blast furnace gas, and other manufactured and waste gases derived from

fossil fuels. Through 2010, also includes propane gas.

ⁱ Conventional hydroelectric power.

^j Wood and wood-derived fuels.

^k Includes photovoltaic (PV) energy, wind, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels). Does not include small-scale solar photovoltaic generation shown on Table 10.6.

NA=Not available. NM=Not meaningful. (s)=Less than 0.5 million kilowatthours.

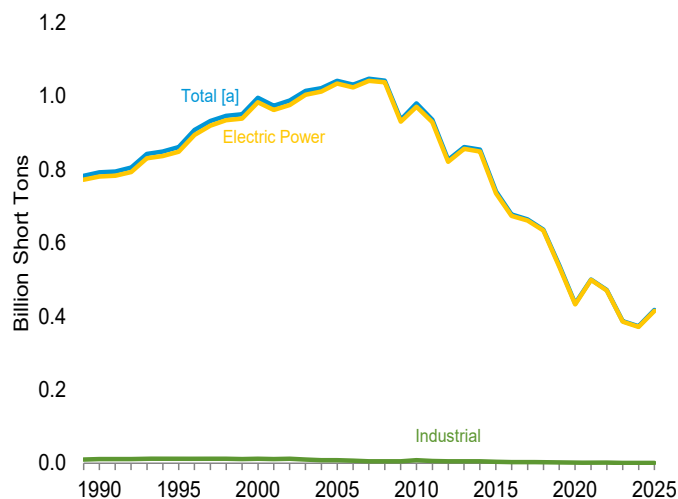
Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

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

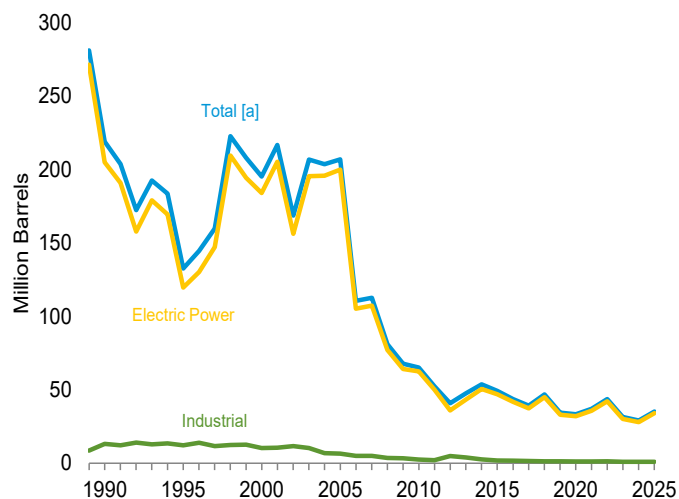
Sources: See end of section.

Figure 7.3 Consumption of Selected Combustible Fuels for Electricity Generation

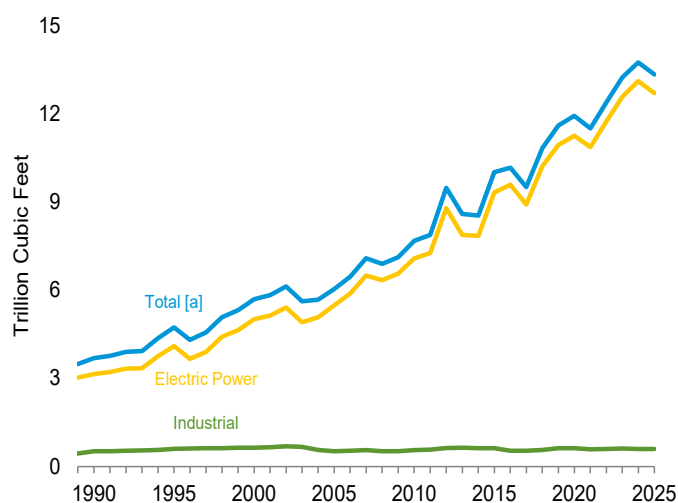
Coal by Sector, 1989–2025



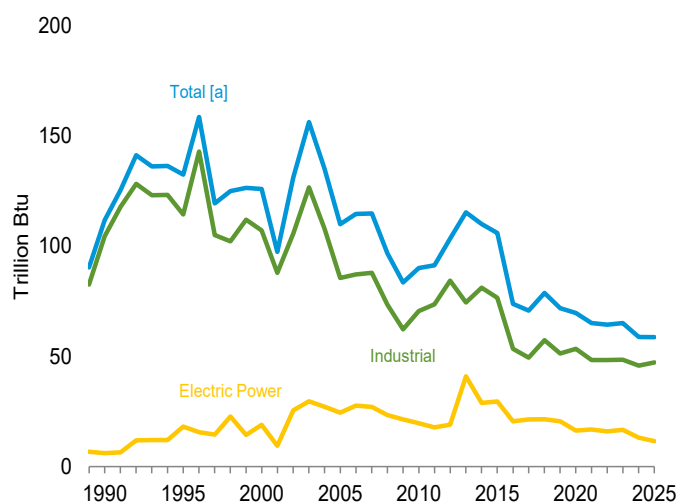
Petroleum by Sector, 1989–2025



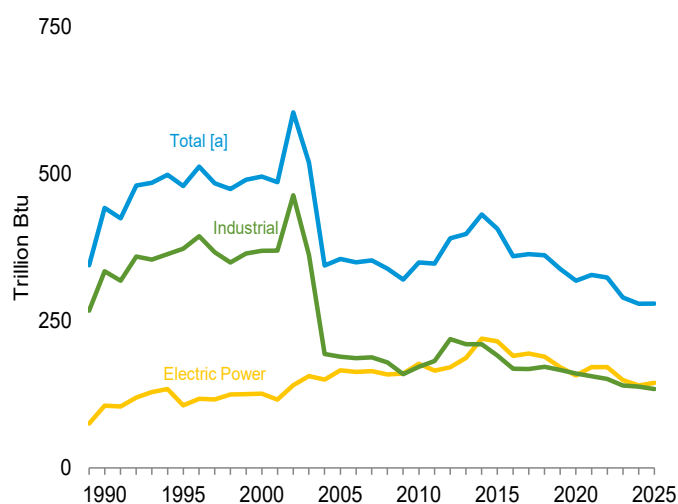
Natural Gas by Sector, 1989–2025



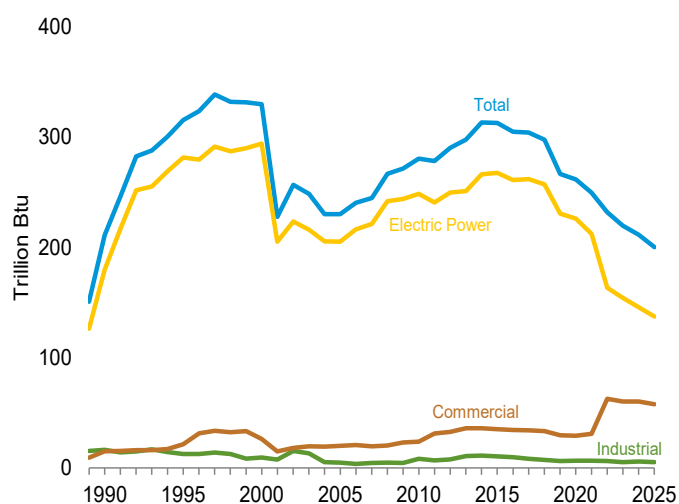
Other Fossil Gases [b] by Sector, 1989–2025



Wood by Sector, 1989–2025



Waste by Sector, 1989–2025



[a] Includes commercial sector.

[b] Blast furnace gas, and other manufactured and waste gases derived from fossil fuels. Through 2010, also includes propane gas.

Note: Data are for utility-scale facilities.

Web Page: <http://www.eia.gov/totalenergy/data/monthly/#electricity>.

Sources: Tables 7.3a-7.3c.

**Table 7.3a Consumption of Combustible Fuels for Electricity Generation:
Total (All Sectors) (Sum of Tables 7.3b and 7.3c)**

	Coal ^a	Petroleum					Natural Gas ^f	Other Fossil Gases ^g	Biomass		Other ^j
		Distillate Fuel Oil ^b	Residual Fuel Oil ^c	Other Liquids ^d	Petroleum Coke ^e	Total ^e			Wood ^h	Waste ⁱ	
	Thousand Short Tons	Thousand Barrels			Thousand Short Tons	Thousand Barrels	Billion Cubic Feet	Trillion Btu			
1950 Total	91,871	5,423	69,998	NA	NA	75,421	629	NA	5	NA	NA
1955 Total	143,759	5,412	69,862	NA	NA	75,274	1,153	NA	3	NA	NA
1960 Total	176,685	3,824	84,371	NA	NA	88,195	1,725	NA	2	NA	NA
1965 Total	244,788	4,928	110,274	NA	NA	115,203	2,321	NA	3	NA	NA
1970 Total	320,182	24,123	311,381	NA	636	338,686	3,932	NA	1	2	NA
1975 Total	405,962	38,907	467,221	NA	70	506,479	3,158	NA	(s)	2	NA
1980 Total	569,274	29,051	391,163	NA	179	421,110	3,682	NA	3	2	NA
1985 Total	693,841	14,635	158,779	NA	231	174,571	3,044	NA	8	7	NA
1990 Total ^k	792,457	18,143	190,652	437	1,914	218,800	3,692	112	442	211	36
1995 Total	860,594	19,615	95,507	680	3,355	132,578	4,738	133	480	316	42
2000 Total	994,933	31,675	143,381	1,450	3,744	195,228	5,691	126	496	330	46
2005 Total	1,041,448	20,651	141,518	2,968	8,330	206,785	6,036	110	355	230	173
2010 Total	979,684	14,050	23,997	2,056	4,994	65,071	7,680	90	350	281	184
2011 Total	934,938	11,231	14,251	1,844	5,012	52,387	7,884	91	348	279	205
2012 Total	825,734	9,285	11,755	1,565	3,675	40,977	9,485	103	390	290	204
2013 Total	860,729	9,784	11,766	1,681	4,852	47,492	8,596	115	398	298	200
2014 Total	853,634	14,465	14,704	2,363	4,412	53,593	8,544	110	431	314	200
2015 Total	739,594	12,438	14,124	2,363	4,044	49,145	10,017	106	407	313	204
2016 Total	677,371	9,662	11,195	1,548	4,253	43,671	10,170	74	360	305	199
2017 Total	663,911	9,707	10,442	1,547	3,490	39,144	9,508	71	364	304	190
2018 Total	636,213	14,223	12,407	1,985	3,623	46,727	10,842	79	362	298	190
2019 Total	537,620	9,620	9,251	1,965	2,724	34,454	11,613	72	338	267	199
2020 Total	435,351	7,991	8,299	1,719	3,077	33,391	11,928	70	318	262	193
2021 Total	500,367	10,623	8,998	2,012	3,070	36,982	11,503	65	328	250	187
2022 Total	471,576	14,738	11,909	2,112	2,985	43,684	12,384	64	324	232	157
2023 Total	386,626	9,431	10,068	1,836	2,028	31,474	13,245	65	290	220	147
2024 January	42,393	1,546	1,025	186	163	3,573	1,163	6	26	18	13
February	25,982	555	689	141	120	1,983	935	5	23	17	11
March	22,380	599	693	128	89	1,865	942	5	23	18	12
April	21,240	802	680	111	125	2,219	905	5	21	17	11
May	26,178	727	762	87	140	2,275	1,071	5	23	18	12
June	34,428	718	784	112	171	2,468	1,260	5	24	17	12
July	40,450	835	862	135	199	2,828	1,552	5	25	18	13
August	39,364	874	823	116	193	2,775	1,522	5	26	19	13
September	31,493	618	786	80	109	2,031	1,244	5	22	17	11
October	27,312	709	847	96	113	2,218	1,090	4	19	18	12
November	26,333	669	768	97	102	2,046	1,010	4	22	17	12
December	35,378	988	1,007	133	137	2,814	1,062	5	25	17	12
Total	372,931	9,638	9,726	1,423	1,662	29,096	13,755	59	279	212	142
2025 January	45,882	2,990	1,476	252	210	5,767	1,150	6	24	17	12
February	35,179	1,022	852	147	136	2,700	953	6	22	16	10
March	28,016	659	756	111	162	2,336	856	4	23	17	11
April	25,863	685	713	95	130	2,144	855	4	19	16	11
May	27,925	602	699	71	141	2,077	997	4	23	17	11
June	36,541	984	881	147	174	2,881	1,234	5	24	17	11
July	45,095	905	975	122	207	3,039	1,518	5	26	17	12
August	39,685	884	850	129	204	2,882	1,436	5	25	17	12
September	33,387	690	806	102	167	2,434	1,245	5	25	17	11
October	30,996	689	836	117	173	2,507	1,060	6	21	17	11
November	30,963	918	739	126	141	2,487	972	5	23	16	12
December	37,160	1,459	1,675	169	119	3,901	1,073	4	25	17	12
Total	416,693	12,487	11,258	1,590	1,964	35,155	13,349	59	280	200	137
2026 January	39,840	5,462	2,497	629	170	9,438	1,118	5	25	16	11
February	31,207	3,263	1,363	260	139	5,582	968	4	24	15	10
March	25,208	969	772	224	119	2,561	942	5	23	17	11
April	22,583	816	713	126	136	2,334	922	5	19	15	11
May	25,772	1,025	740	141	165	2,728	1,029	3	23	16	11
5-Month Total	144,611	11,536	6,085	1,380	729	22,643	4,979	22	114	79	54
2025 5-Month Total	162,865	5,958	4,496	676	779	15,024	4,811	23	111	83	56
2024 5-Month Total	138,173	4,228	3,849	653	637	11,916	5,015	25	116	88	59

^a Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^b Fuel oil nos. 1, 2, and 4. For 1949–1979, data are for gas turbine and internal combustion plant use of petroleum. For 1980–2000, electric utility data also include small amounts of kerosene and jet fuel.

^c Fuel oil nos. 5 and 6. For 1949–1979, data are for steam plant use of petroleum. For 1980–2000, electric utility data also include a small amount of fuel oil no. 4.

^d Jet fuel, kerosene, other petroleum liquids, waste oil, and, beginning in 2011, propane.

^e Petroleum coke is converted from short tons to barrels by multiplying by 5.

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

^g Blast furnace gas, and other manufactured and waste gases derived from fossil fuels. Through 2010, also includes propane gas.

^h Wood and wood-derived fuels.

ⁱ Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and

tire-derived fuels).

^j Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^k Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities, independent power producers, commercial plants, and industrial plants.

NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • Data are for fuels consumed to produce electricity. Data also include fuels consumed to produce useful thermal output at a small number of electric utility combined-heat-and-power (CHP) plants. • 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/#electricity> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: Tables 7.3b and 7.3c.

**Table 7.3b Consumption of Combustible Fuels for Electricity Generation:
Electric Power Sector** (Subset of Table 7.3a)

	Coal ^a	Petroleum					Natural Gas ^f	Other Fossil Gases ^g	Biomass		Other ^j
		Distillate Fuel Oil ^b	Residual Fuel Oil ^c	Other Liquids ^d	Petroleum Coke ^e	Total ^e			Wood ^h	Waste ⁱ	
	Thousand Short Tons	Thousand Barrels			Thousand Short Tons	Thousand Barrels	Billion Cubic Feet	Trillion Btu			
1950 Total	91,871	5,423	69,998	NA	NA	75,421	629	NA	5	NA	NA
1955 Total	143,759	5,412	69,862	NA	NA	75,274	1,153	NA	3	NA	NA
1960 Total	176,685	3,824	84,371	NA	NA	88,195	1,725	NA	2	NA	NA
1965 Total	244,788	4,928	110,274	NA	NA	115,203	2,321	NA	3	NA	NA
1970 Total	320,182	24,123	311,381	NA	636	338,686	3,932	NA	1	2	NA
1975 Total	405,962	38,907	467,221	NA	70	506,479	3,158	NA	(s)	2	NA
1980 Total	569,274	29,051	391,163	NA	179	421,110	3,682	NA	3	2	NA
1985 Total	693,841	14,635	158,779	NA	231	174,571	3,044	NA	8	7	NA
1990 Total ^k	781,301	16,394	183,285	25	1,008	204,745	3,147	6	106	180	(s)
1995 Total	847,854	18,066	88,895	441	2,452	119,663	4,094	18	106	282	2
2000 Total	982,713	29,722	138,047	403	3,155	183,946	5,014	19	126	294	1
2005 Total	1,033,567	19,450	138,337	2,591	7,877	199,760	5,485	24	166	205	116
2010 Total	971,245	13,677	23,560	1,848	4,679	62,477	7,085	20	177	249	116
2011 Total	928,857	10,961	13,861	1,655	4,726	50,105	7,265	18	166	241	133
2012 Total	820,762	9,000	11,292	1,339	2,861	35,937	8,788	19	171	250	132
2013 Total	855,546	9,511	11,322	1,488	4,189	43,265	7,888	41	187	251	130
2014 Total	848,803	14,052	14,132	2,157	4,039	50,537	7,849	29	220	266	127
2015 Total	735,433	12,056	13,893	2,086	3,789	46,978	9,322	29	215	268	127
2016 Total	674,239	9,421	11,056	1,284	4,018	41,853	9,590	20	191	261	126
2017 Total	661,033	9,398	10,299	1,332	3,273	37,394	8,917	21	195	262	121
2018 Total	633,593	13,795	12,259	1,757	3,444	45,030	10,224	21	189	257	125
2019 Total	535,382	9,254	9,163	1,724	2,545	32,868	10,939	21	171	231	133
2020 Total	433,477	7,609	8,228	1,523	2,917	31,947	11,258	16	157	226	132
2021 Total	498,614	10,246	8,908	1,798	2,942	35,660	10,872	17	171	212	124
2022 Total	469,833	14,325	11,687	1,836	2,849	42,096	11,740	16	171	163	75
2023 Total	385,098	9,087	9,905	1,627	1,922	30,229	12,588	17	149	154	74
2024 January	42,255	1,497	1,013	171	154	3,450	1,105	1	14	13	6
February	25,855	526	683	116	111	1,881	883	1	12	12	5
March	22,247	566	687	114	80	1,767	889	1	12	12	6
April	21,138	773	672	96	117	2,125	854	1	10	11	5
May	26,061	699	756	72	132	2,187	1,020	1	11	12	6
June	34,310	683	778	97	162	2,368	1,208	1	13	12	6
July	40,319	816	856	119	189	2,737	1,494	1	13	12	6
August	39,235	852	817	105	184	2,694	1,462	1	14	13	6
September	31,370	603	781	66	102	1,961	1,191	1	11	12	5
October	27,189	689	841	81	105	2,137	1,041	1	8	12	5
November	26,213	650	762	82	94	1,962	960	1	10	12	6
December	35,245	958	997	120	127	2,709	1,007	1	13	12	6
Total	371,435	9,311	9,643	1,240	1,556	27,977	13,114	13	140	146	67
2025 January	45,734	2,951	1,463	232	199	5,640	1,092	1	13	12	6
February	35,058	990	842	143	130	2,624	904	2	12	11	5
March	27,880	638	749	98	153	2,250	803	1	12	12	5
April	25,745	668	707	81	123	2,072	804	1	8	11	5
May	27,814	561	694	55	131	1,964	945	1	11	12	6
June	36,417	962	876	122	161	2,768	1,181	1	13	12	6
July	44,964	879	970	111	201	2,966	1,461	1	13	12	6
August	39,561	838	846	114	191	2,753	1,379	1	13	12	6
September	33,267	672	803	87	158	2,349	1,192	1	13	11	6
October	30,876	672	831	97	162	2,412	1,008	1	11	11	6
November	30,852	900	736	111	132	2,407	918	1	11	11	6
December	37,052	1,437	1,665	155	113	3,820	1,016	1	14	11	6
Total	415,222	12,167	11,181	1,406	1,855	34,027	12,704	11	145	137	68
2026 January	39,711	5,393	2,485	621	159	9,294	1,061	1	14	11	6
February	31,089	3,222	1,348	246	128	5,456	919	1	14	11	5
March	25,097	943	767	209	110	2,467	890	1	13	12	6
April	22,481	795	709	112	124	2,234	873	1	9	11	5
May	25,662	1,004	736	128	152	2,627	978	(s)	13	11	6
5-Month Total	144,040	11,358	6,045	1,316	672	22,079	4,721	4	62	55	28
2025 5-Month Total	162,232	5,808	4,455	608	736	14,551	4,548	5	56	57	27
2024 5-Month Total	137,556	4,060	3,811	570	594	11,410	4,750	5	59	60	28

^a Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^b Fuel oil nos. 1, 2, and 4. For 1949–1979, data are for gas turbine and internal combustion plant use of petroleum. For 1980–2000, electric utility data also include small amounts of kerosene and jet fuel.

^c Fuel oil nos. 5 and 6. For 1949–1979, data are for steam plant use of petroleum. For 1980–2000, electric utility data also include a small amount of fuel oil no. 4.

^d Jet fuel, kerosene, other petroleum liquids, waste oil, and, beginning in 2011, propane.

^e Petroleum coke is converted from short tons to barrels by multiplying by 5.

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

^g Blast furnace gas, and other manufactured and waste gases derived from fossil fuels. Through 2010, also includes propane gas.

^h Wood and wood-derived fuels.

ⁱ Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^j Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^k Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities and independent power producers.

NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • Data are for fuels consumed to produce electricity. Data also include fuels consumed to produce useful thermal output at a small number of electric utility combined-heat-and-power (CHP) plants. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • 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/#electricity> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Table 7.3c Consumption of Selected Combustible Fuels for Electricity Generation: Commercial and Industrial Sectors (Subset of Table 7.3a)

	Commercial Sector ^a				Industrial Sector ^b						
	Coal ^c	Petroleum ^d	Natural Gas ^e	Biomass	Coal ^c	Petroleum ^d	Natural Gas ^e	Other Fossil Gases ^g	Biomass		Other ⁱ
				Waste ^f					Wood ^h	Waste ^f	
	Thousand Short Tons	Thousand Barrels	Billion Cubic Feet	Trillion Btu	Thousand Short Tons	Thousand Barrels	Billion Cubic Feet	Trillion Btu			
1990 Total	417	953	28	15	10,740	13,103	517	104	335	16	36
1995 Total	569	649	43	21	12,171	12,265	601	114	373	13	40
2000 Total	514	823	37	26	11,706	10,459	640	107	369	10	45
2005 Total	377	585	34	20	7,504	6,440	518	85	189	5	46
2010 Total	314	172	39	24	8,125	2,422	555	70	172	8	55
2011 Total	347	137	47	31	5,735	2,145	572	74	182	7	57
2012 Total	307	279	63	33	4,665	4,761	633	84	219	8	54
2013 Total	513	335	67	36	4,670	3,892	642	74	210	11	50
2014 Total	202	462	72	36	4,629	2,594	623	81	210	11	54
2015 Total	163	260	70	35	3,999	1,907	625	77	191	10	58
2016 Total	111	116	46	34	3,021	1,701	534	53	169	10	53
2017 Total	95	204	50	34	2,783	1,545	541	49	169	8	49
2018 Total	87	279	53	33	2,534	1,418	565	57	172	7	46
2019 Total	76	257	56	30	2,161	1,329	618	51	167	6	45
2020 Total	72	242	52	29	1,802	1,202	619	53	160	6	40
2021 Total	87	256	46	31	1,666	1,066	585	48	156	6	39
2022 Total	87	269	49	63	1,655	1,319	595	48	151	6	18
2023 Total	69	203	49	60	1,460	1,042	608	48	140	5	12
2024 January	10	31	4	5	128	92	54	5	12	1	1
February	7	15	4	5	120	88	48	4	11	1	1
March	6	18	4	5	127	81	49	4	12	1	1
April	5	17	4	5	97	77	47	4	11	(s)	1
May	2	19	4	5	115	70	48	4	12	1	1
June	3	24	4	5	115	76	48	4	12	(s)	1
July	5	8	5	5	126	83	53	4	12	(s)	1
August	5	9	5	5	124	72	55	4	12	(s)	1
September	5	7	4	5	118	64	49	3	11	(s)	1
October	5	7	4	5	119	74	45	3	11	(s)	1
November	5	10	4	5	115	74	46	3	12	1	1
December	6	19	4	5	128	85	51	4	12	(s)	1
Total	65	184	48	60	1,431	936	592	46	138	6	15
2025 January	9	NM	4	5	139	101	54	4	11	(s)	1
February	7	NM	4	4	113	62	46	4	10	(s)	1
March	5	9	4	5	131	76	50	4	11	(s)	1
April	5	7	3	5	113	65	47	3	10	(s)	1
May	6	34	3	5	106	80	48	3	11	(s)	1
June	4	9	4	5	121	104	49	4	11	(s)	1
July	6	10	5	5	125	63	52	4	12	(s)	1
August	5	33	4	5	119	96	52	4	12	(s)	1
September	6	9	4	5	114	76	49	4	11	(s)	1
October	6	7	4	5	115	88	48	5	11	1	1
November	6	8	4	5	105	72	50	4	11	(s)	1
December	5	NM	4	5	102	66	53	4	11	(s)	1
Total	69	178	47	58	1,403	950	598	47	134	5	11
2026 January	7	NM	4	5	122	NM	52	4	11	(s)	1
February	6	NM	4	4	113	91	45	4	10	(s)	1
March	3	15	4	5	108	79	48	4	11	(s)	1
April	4	11	3	4	99	90	46	4	10	(s)	1
May	5	NM	4	5	105	91	48	3	11	(s)	1
5-Month Total	25	121	19	22	547	444	239	19	52	2	5
2025 5-Month Total	31	88	18	24	602	384	245	18	55	2	4
2024 5-Month Total	31	98	19	25	587	407	246	20	58	3	6

^a Commercial combined-heat-and-power (CHP) and commercial electricity-only plants.

^b Industrial combined-heat-and-power (CHP) and industrial electricity-only plants.

^c Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^d Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, and, beginning in 2011, propane.

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

^f Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^g Blast furnace gas, and other manufactured and waste gases derived from fossil fuels. Through 2010, also includes propane gas.

^h Wood and wood-derived fuels.

ⁱ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous

technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

NM=Not meaningful. (s)=Less than 0.5 trillion Btu.

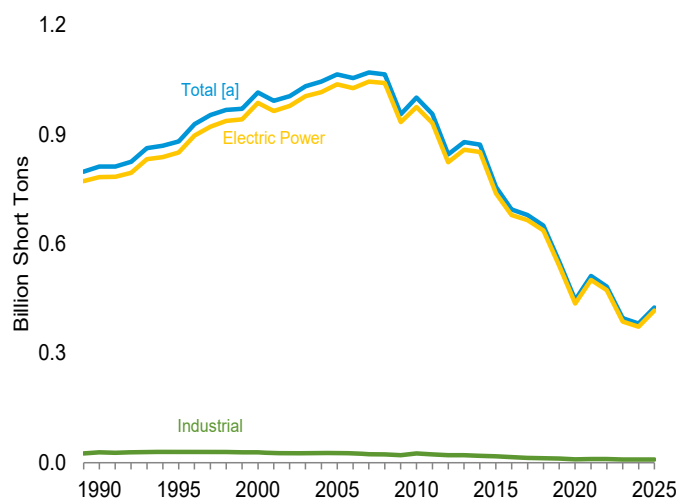
Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of section. • Data are for fuels consumed to produce electricity. Through 1988, data are not available. • 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/#electricity> (Excel and CSV files) for all available annual and monthly data beginning in 1989.

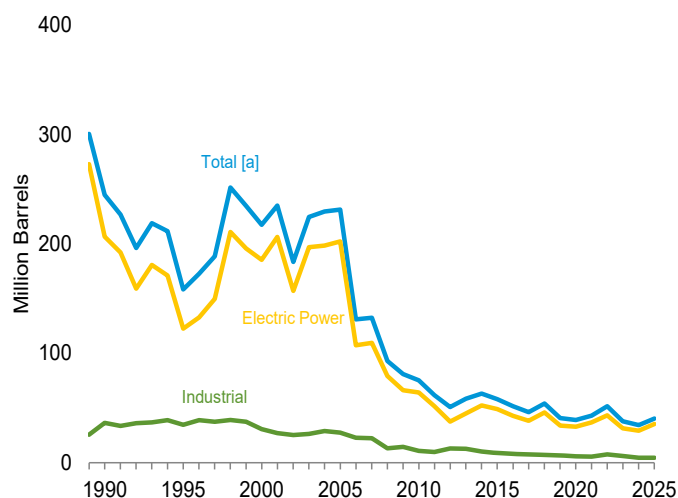
Sources: • **1989–1997:** U.S. Energy Information Administration (EIA), Form EIA-867, "Annual Nonutility Power Producer Report." • **1998–2000:** EIA, Form EIA-860B, "Annual Electric Generator Report—Nonutility." • **2001–2003:** EIA, Form EIA-906, "Power Plant Report." • **2004–2007:** EIA, Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report." • **2008 forward:** EIA, Form EIA-923, "Power Plant Operations Report."

Figure 7.4 Consumption of Selected Combustible Fuels for Electricity Generation and Useful Thermal Output

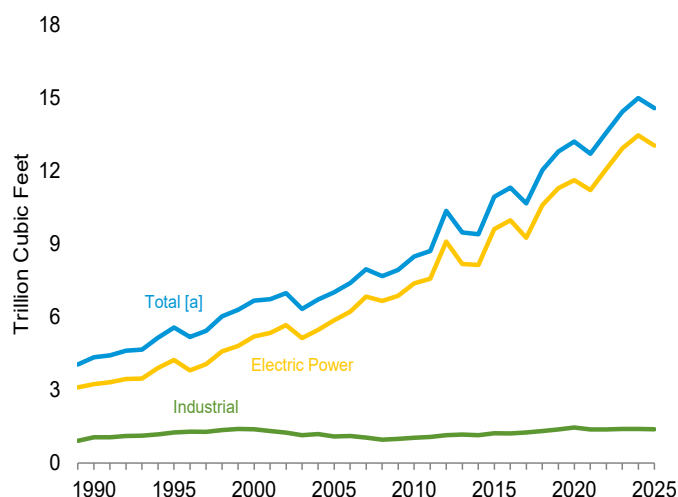
Coal by Sector, 1989–2025



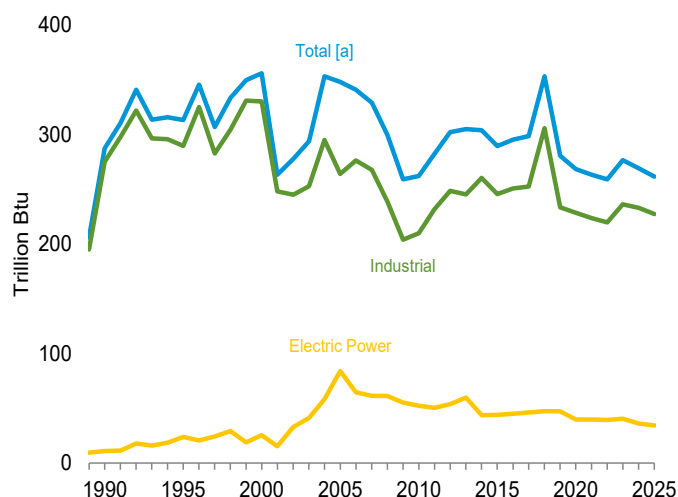
Petroleum by Sector, 1989–2025



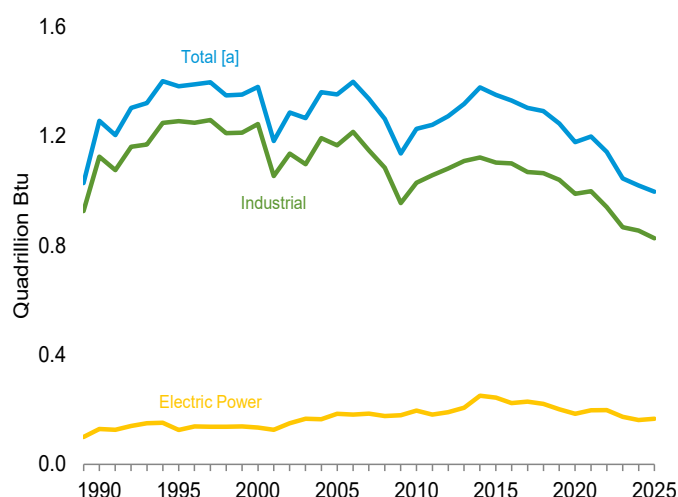
Natural Gas by Sector, 1989–2025



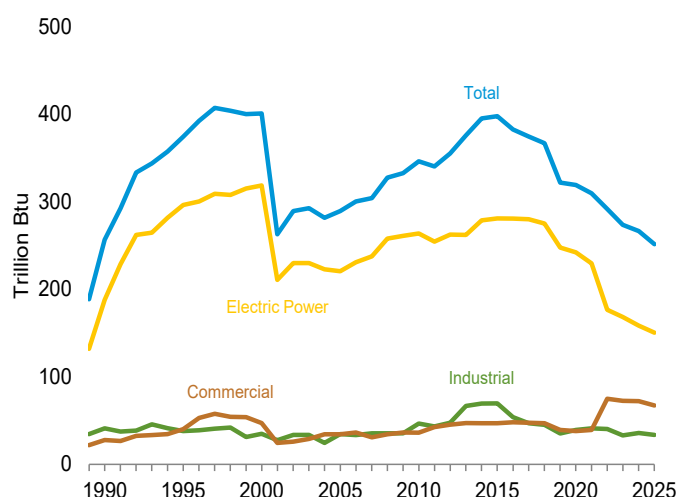
Other Fossil Gases [b] by Sector, 1989–2025



Wood by Sector, 1989–2025



Waste by Sector, 1989–2025



[a] Includes commercial sector.

[b] Blast furnace gas, and other manufactured and waste gases derived from fossil fuels. Through 2010, also includes propane gas.

Note: Data are for utility-scale facilities.

Web Page: <http://www.eia.gov/totalenergy/data/monthly/#electricity>.

Sources: Tables 7.4a–7.4c.

Table 7.4a Consumption of Combustible Fuels for Electricity Generation and Useful Thermal Output: Total (All Sectors) (Sum of Tables 7.4b and 7.4c)

	Coal ^a	Petroleum					Natural Gas ^f	Other Fossil Gases ^g	Biomass		Other ^j
		Distillate Fuel Oil ^b	Residual Fuel Oil ^c	Other Liquids ^d	Petroleum Coke ^e	Total ^e			Wood ^h	Waste ⁱ	
	Thousand Short Tons	Thousand Barrels			Thousand Short Tons	Thousand Barrels	Billion Cubic Feet	Trillion Btu			
1950 Total	91,871	5,423	69,998	NA	NA	75,421	629	NA	5	NA	NA
1955 Total	143,759	5,412	69,862	NA	NA	75,274	1,153	NA	3	NA	NA
1960 Total	176,685	3,824	84,371	NA	NA	88,195	1,725	NA	2	NA	NA
1965 Total	244,788	4,928	110,274	NA	NA	115,203	2,321	NA	3	NA	NA
1970 Total	320,182	24,123	311,381	NA	636	338,686	3,932	NA	1	2	NA
1975 Total	405,962	38,907	467,221	NA	70	506,479	3,158	NA	(s)	2	NA
1980 Total	569,274	29,051	391,163	NA	179	421,110	3,682	NA	3	2	NA
1985 Total	693,841	14,635	158,779	NA	231	174,571	3,044	NA	8	7	NA
1990 Total ^k	811,538	20,194	209,081	1,332	2,832	244,765	4,346	288	1,256	257	86
1995 Total	881,012	21,697	112,168	1,322	4,590	158,140	5,572	313	1,382	374	97
2000 Total	1,015,398	34,572	156,673	2,904	4,669	217,494	6,677	356	1,380	401	109
2005 Total	1,065,281	24,446	156,915	4,270	9,113	231,193	7,021	348	1,353	289	237
2010 Total	1,001,411	15,247	26,944	2,777	6,053	75,231	8,502	262	1,226	346	237
2011 Total	956,470	11,735	16,877	2,540	6,092	61,610	8,724	282	1,241	340	261
2012 Total	845,066	9,945	13,571	2,185	5,021	50,805	10,371	302	1,273	355	252
2013 Total	879,078	10,277	14,199	2,212	6,338	58,378	9,479	305	1,318	376	236
2014 Total	871,741	15,107	16,615	2,908	5,695	63,106	9,410	304	1,378	395	236
2015 Total	756,226	12,924	16,136	3,008	5,188	58,009	10,952	290	1,351	398	237
2016 Total	693,958	10,278	12,231	2,173	5,352	51,441	11,322	296	1,330	383	238
2017 Total	678,578	10,168	11,508	2,033	4,467	46,043	10,677	299	1,303	375	226
2018 Total	650,027	15,066	13,584	2,578	4,552	53,988	12,048	353	1,291	367	226
2019 Total	550,017	10,369	10,049	2,580	3,563	40,811	12,809	281	1,246	322	234
2020 Total	445,753	8,604	8,974	2,160	3,856	39,020	13,221	269	1,178	319	226
2021 Total	511,669	11,340	9,895	2,470	3,830	42,855	12,724	264	1,199	310	218
2022 Total	482,931	15,599	14,715	2,626	3,702	51,452	13,590	259	1,143	292	187
2023 Total	395,989	10,161	12,089	2,218	2,649	37,714	14,456	277	1,045	274	178
2024 January	43,320	1,731	1,129	220	220	4,181	1,278	24	90	24	15
February	26,736	626	744	185	163	2,370	1,037	22	84	22	14
March	23,193	694	755	160	134	2,279	1,045	23	86	23	14
April	21,907	919	746	141	174	2,678	999	22	82	22	14
May	26,850	829	822	116	187	2,701	1,169	23	83	23	15
June	35,096	834	837	142	223	2,927	1,361	23	84	21	14
July	41,183	933	913	168	256	3,294	1,661	23	86	22	16
August	40,091	930	870	141	248	3,181	1,632	23	88	22	15
September	32,184	640	839	109	156	2,371	1,347	21	84	21	14
October	28,002	745	924	126	156	2,576	1,190	21	77	22	14
November	27,066	703	842	131	153	2,441	1,112	20	84	23	14
December	36,188	1,106	1,111	163	199	3,374	1,173	22	91	23	15
Total	381,814	10,691	10,532	1,802	2,270	34,373	15,001	269	1,019	266	173
2025 January	46,743	3,236	1,577	294	253	6,372	1,266	24	87	23	14
February	35,937	1,160	942	164	177	3,152	1,054	22	78	21	12
March	28,803	718	821	145	211	2,739	959	22	86	22	13
April	26,578	727	773	126	177	2,513	949	20	75	21	13
May	28,541	642	763	103	196	2,488	1,092	20	81	20	13
June	37,213	1,018	940	193	265	3,475	1,332	22	83	20	13
July	45,847	940	1,035	149	251	3,380	1,622	23	88	20	14
August	40,400	920	907	166	255	3,268	1,538	21	87	20	14
September	34,061	714	849	134	223	2,810	1,344	21	85	19	13
October	31,660	715	891	155	227	2,894	1,158	23	81	21	13
November	31,639	946	785	160	196	2,869	1,083	23	81	21	13
December	37,910	1,512	1,769	204	176	4,365	1,194	22	85	22	14
Total	425,333	13,247	12,051	1,993	2,607	40,325	14,592	262	997	251	160
2026 January	40,605	5,714	2,593	657	222	10,076	1,251	23	84	21	13
February	31,894	3,377	1,555	294	219	6,321	1,074	20	77	20	12
March	25,877	1,012	821	258	169	2,937	1,042	21	80	22	13
April	23,146	842	760	158	192	2,720	1,016	21	67	20	12
May	26,347	1,061	795	170	207	3,059	1,123	20	82	19	13
5-Month Total	147,868	12,005	6,524	1,538	1,009	25,115	5,506	105	389	103	64
2025 5-Month Total	166,603	6,484	4,876	832	1,015	17,264	5,320	108	407	107	65
2024 5-Month Total	142,004	4,799	4,196	822	878	14,209	5,527	114	424	114	72

^a Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^b Fuel oil nos. 1, 2, and 4. For 1949–1979, data are for gas turbine and internal combustion plant use of petroleum. For 1980–2000, electric utility data also include small amounts of kerosene and jet fuel.

^c Fuel oil nos. 5 and 6. For 1949–1979, data are for steam plant use of petroleum. For 1980–2000, electric utility data also include a small amount of fuel oil no. 4.

^d Jet fuel, kerosene, other petroleum liquids, waste oil, and, beginning in 2011, propane.

^e Petroleum coke is converted from short tons to barrels by multiplying by 5.

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

^g Blast furnace gas, and other manufactured and waste gases derived from fossil fuels. Through 2010, also includes propane gas.

^h Wood and wood-derived fuels.

ⁱ Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes

non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^j Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^k Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities, independent power producers, commercial plants, and industrial plants.

NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • 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/#electricity> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: Tables 7.4b and 7.4c.

Table 7.4b Consumption of Combustible Fuels for Electricity Generation and Useful Thermal Output: Electric Power Sector (Subset of Table 7.4a)

	Coal ^a	Petroleum					Natural Gas ^f	Other Fossil Gases ^g	Biomass		Other ^j
		Distillate Fuel Oil ^b	Residual Fuel Oil ^c	Other Liquids ^d	Petroleum Coke ^e	Total ^e			Wood ^h	Waste ⁱ	
	Thousand Short Tons	Thousand Barrels			Thousand Short Tons	Thousand Barrels	Billion Cubic Feet	Trillion Btu			
1950 Total	91,871	5,423	69,998	NA	NA	75,421	629	NA	5	NA	NA
1955 Total	143,759	5,412	69,862	NA	NA	75,274	1,153	NA	3	NA	NA
1960 Total	176,685	3,824	84,371	NA	NA	88,195	1,725	NA	2	NA	NA
1965 Total	244,788	4,928	110,274	NA	NA	115,203	2,321	NA	3	NA	NA
1970 Total	320,182	24,123	311,381	NA	636	338,686	3,932	NA	1	2	NA
1975 Total	405,962	38,907	467,221	NA	70	506,479	3,158	NA	(s)	2	NA
1980 Total	569,274	29,051	391,163	NA	179	421,110	3,682	NA	3	2	NA
1985 Total	693,841	14,635	158,779	NA	231	174,571	3,044	NA	8	7	NA
1990 Total ^k	782,567	16,567	184,915	26	1,008	206,550	3,245	11	129	188	(s)
1995 Total	850,230	18,553	90,023	499	2,674	122,447	4,237	24	125	296	2
2000 Total	985,821	30,016	138,513	454	3,275	185,358	5,206	25	134	318	1
2005 Total	1,037,485	19,675	139,409	2,685	8,083	202,184	5,869	84	185	221	123
2010 Total	975,052	13,790	24,503	1,877	4,777	64,055	7,387	52	196	264	124
2011 Total	932,484	11,021	14,803	1,658	4,837	51,667	7,574	50	182	255	143
2012 Total	823,551	9,080	12,203	1,339	2,974	37,495	9,111	54	190	262	143
2013 Total	857,962	9,598	12,283	1,489	4,285	44,794	8,191	60	207	262	139
2014 Total	851,602	14,235	15,132	2,208	4,132	52,235	8,146	44	251	279	137
2015 Total	738,444	12,193	14,929	2,131	3,907	48,787	9,613	44	244	281	136
2016 Total	678,554	9,510	11,242	1,322	4,138	42,763	9,985	45	224	281	139
2017 Total	664,993	9,481	10,464	1,375	3,399	38,318	9,266	46	229	280	132
2018 Total	637,217	13,967	12,446	1,855	3,549	46,013	10,599	47	221	275	136
2019 Total	538,606	9,336	9,352	1,750	2,655	33,712	11,299	47	201	248	145
2020 Total	435,827	7,673	8,382	1,543	3,057	32,885	11,632	40	185	242	144
2021 Total	501,435	10,359	9,115	1,835	3,075	36,686	11,229	40	197	229	134
2022 Total	472,834	14,463	12,031	1,864	2,965	43,181	12,092	39	198	176	81
2023 Total	387,205	9,165	10,202	1,647	2,045	31,241	12,941	40	174	168	80
2024 January	42,463	1,547	1,038	173	163	3,574	1,137	3	16	14	7
February	26,017	533	701	118	119	1,947	913	3	14	13	6
March	22,422	574	707	116	89	1,844	919	3	14	14	6
April	21,281	832	690	98	124	2,240	880	3	11	12	6
May	26,198	728	780	74	139	2,278	1,048	2	12	13	6
June	34,447	702	801	99	172	2,462	1,238	3	14	13	6
July	40,471	890	879	120	199	2,884	1,528	3	15	13	6
August	39,397	887	837	106	196	2,809	1,496	3	15	14	6
September	31,502	611	799	67	110	2,027	1,223	3	13	13	6
October	27,308	702	866	83	106	2,180	1,071	3	10	13	6
November	26,336	661	790	84	102	2,047	987	3	12	13	6
December	35,416	1,029	1,030	122	140	2,878	1,037	3	15	13	6
Total	373,258	9,695	9,916	1,260	1,660	29,171	13,476	36	162	158	73
2025 January	45,929	3,112	1,491	233	207	5,874	1,125	4	15	13	6
February	35,224	1,072	870	144	138	2,777	932	4	13	12	6
March	28,022	659	763	99	162	2,332	830	3	14	13	6
April	25,861	686	727	83	132	2,158	830	2	10	12	6
May	27,931	582	720	56	140	2,058	972	2	13	12	6
June	36,563	967	899	124	199	2,983	1,211	3	15	13	6
July	45,140	883	991	113	209	3,029	1,494	3	15	13	7
August	39,722	842	868	118	200	2,827	1,409	2	15	12	7
September	33,409	675	822	89	168	2,426	1,221	2	15	12	6
October	31,008	675	850	100	171	2,480	1,035	3	13	12	6
November	30,977	905	757	115	140	2,476	946	3	13	13	6
December	37,209	1,445	1,689	159	121	3,897	1,047	2	16	13	7
Total	416,995	12,505	11,447	1,431	1,987	35,318	13,054	34	167	151	74
2026 January	39,867	5,462	2,516	626	167	9,438	1,093	3	16	12	6
February	31,224	3,265	1,368	248	151	5,637	947	2	15	12	6
March	25,228	947	780	213	124	2,560	918	2	14	13	6
April	22,570	798	733	115	132	2,307	898	3	10	12	6
May	25,757	1,007	757	131	161	2,699	1,004	2	14	12	6
5-Month Total	144,646	11,480	6,154	1,332	735	22,641	4,860	12	70	61	30
2025 5-Month Total	162,967	6,113	4,572	615	780	15,198	4,690	15	65	63	30
2024 5-Month Total	138,381	4,214	3,915	579	635	11,883	4,896	14	68	66	30

^a Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^b Fuel oil nos. 1, 2, and 4. For 1949–1979, data are for gas turbine and internal combustion plant use of petroleum. For 1980–2000, electric utility data also include small amounts of kerosene and jet fuel.

^c Fuel oil nos. 5 and 6. For 1949–1979, data are for steam plant use of petroleum. For 1980–2000, electric utility data also include a small amount of fuel oil no. 4.

^d Jet fuel, kerosene, other petroleum liquids, waste oil, and, beginning in 2011, propane.

^e Petroleum coke is converted from short tons to barrels by multiplying by 5.

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

^g Blast furnace gas, and other manufactured and waste gases derived from fossil fuels. Through 2010, also includes propane gas.

^h Wood and wood-derived fuels.

ⁱ Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and

tire-derived fuels).

^j Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^k Through 1988, data are for electric utilities only. Beginning in 1989, data are for electric utilities and independent power producers.

NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • 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/#electricity> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Table 7.4c Consumption of Selected Combustible Fuels for Electricity Generation and Useful Thermal Output: Commercial and Industrial Sectors (Subset of Table 7.4a)

	Commercial Sector ^a				Industrial Sector ^b						
	Coal ^c	Petroleum ^d	Natural Gas ^e	Biomass	Coal ^c	Petroleum ^d	Natural Gas ^e	Other Fossil Gases ^g	Biomass		Other ⁱ
				Waste ^f					Wood ^h	Waste ^f	
1990 Total	1,191	2,056	46	28	27,781	36,159	1,055	275	1,125	41	86
1995 Total	1,419	1,245	78	40	29,363	34,448	1,258	290	1,255	38	95
2000 Total	1,547	1,615	85	47	28,031	30,520	1,386	331	1,244	35	108
2005 Total	1,922	1,630	68	34	25,875	27,380	1,084	264	1,166	34	94
2010 Total	1,720	437	86	36	24,638	10,740	1,029	210	1,029	47	91
2011 Total	1,668	333	87	43	22,319	9,610	1,063	232	1,057	43	94
2012 Total	1,450	457	111	45	20,065	12,853	1,149	249	1,082	47	81
2013 Total	1,356	887	118	47	19,761	12,697	1,170	246	1,109	67	69
2014 Total	1,063	758	119	47	19,076	10,112	1,145	260	1,122	70	72
2015 Total	798	622	116	47	16,984	8,600	1,222	246	1,103	70	73
2016 Total	683	404	127	48	14,720	8,273	1,209	251	1,100	54	70
2017 Total	610	516	154	48	12,975	7,209	1,257	253	1,069	47	65
2018 Total	577	681	135	47	12,233	7,294	1,314	306	1,065	45	62
2019 Total	519	707	135	39	10,892	6,393	1,374	234	1,040	35	61
2020 Total	473	527	131	38	9,453	5,609	1,458	229	989	39	55
2021 Total	534	614	117	39	9,700	5,555	1,379	224	999	41	55
2022 Total	535	830	123	75	9,563	7,441	1,375	220	941	40	32
2023 Total	400	582	119	72	8,384	5,891	1,396	236	867	33	26
2024 January	63	124	12	6	794	482	129	21	73	4	2
February	47	63	11	6	671	360	113	20	70	4	2
March	37	81	10	6	733	354	115	20	72	3	2
April	31	58	9	6	595	380	110	19	71	3	3
May	19	83	9	6	632	340	112	21	70	4	2
June	26	116	10	6	622	350	112	20	70	2	2
July	28	14	12	6	684	395	121	20	71	2	3
August	31	14	12	6	664	358	123	20	72	2	2
September	31	11	10	6	652	332	114	18	71	2	2
October	31	14	10	6	663	382	109	18	67	3	2
November	37	22	10	6	692	372	114	18	72	3	2
December	41	49	11	6	731	447	124	19	76	3	2
Total	422	650	128	72	8,134	4,553	1,397	233	855	36	28
2025 January	49	NM	12	6	765	422	130	20	72	3	2
February	42	NM	11	5	671	332	111	18	64	3	1
March	38	26	10	6	743	382	118	20	72	4	2
April	32	18	9	6	685	337	110	18	65	3	2
May	30	41	9	5	581	390	111	18	68	3	2
June	26	24	10	5	624	468	110	19	68	2	2
July	34	20	11	6	673	331	116	20	72	2	2
August	32	41	11	6	646	400	118	18	72	2	2
September	32	16	10	6	620	367	113	19	69	2	2
October	32	16	10	6	621	397	113	20	68	3	2
November	33	20	21	6	629	373	117	20	67	3	2
December	33	NM	23	6	668	412	124	19	69	3	2
Total	413	397	149	67	7,926	4,609	1,389	227	826	34	19
2026 January	43	NM	33	5	695	NM	126	20	68	3	2
February	37	NM	19	5	633	601	108	18	61	3	2
March	23	49	11	6	625	329	113	19	65	3	2
April	27	23	10	5	549	391	109	18	57	3	1
May	29	NM	9	6	561	342	109	18	67	2	2
5-Month Total	159	328	82	26	3,063	2,146	564	93	317	15	8
2025 5-Month Total	191	204	51	28	3,444	1,862	579	93	341	16	8
2024 5-Month Total	197	409	51	30	3,426	1,917	580	100	355	18	12

^a Commercial combined-heat-and-power (CHP) and commercial electricity-only plants.

^b Industrial combined-heat-and-power (CHP) and industrial electricity-only plants.

^c Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^d Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, and, beginning in 2011, propane.

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

^f Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^g Blast furnace gas, and other manufactured and waste gases derived from fossil fuels. Through 2010, also includes propane gas.

^h Wood and wood-derived fuels.

ⁱ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous

technologies, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

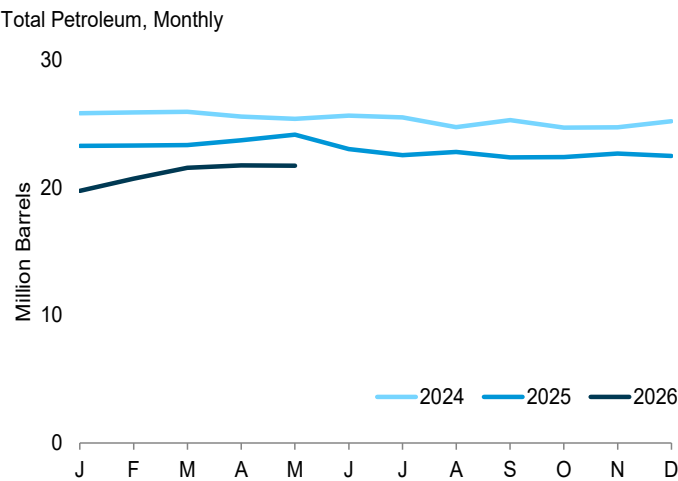
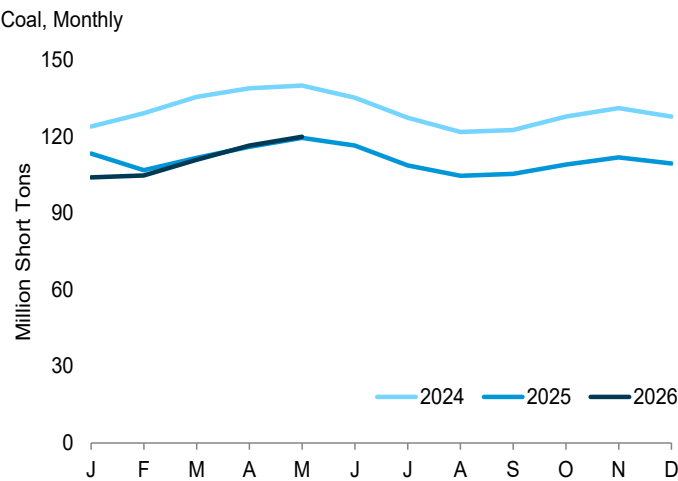
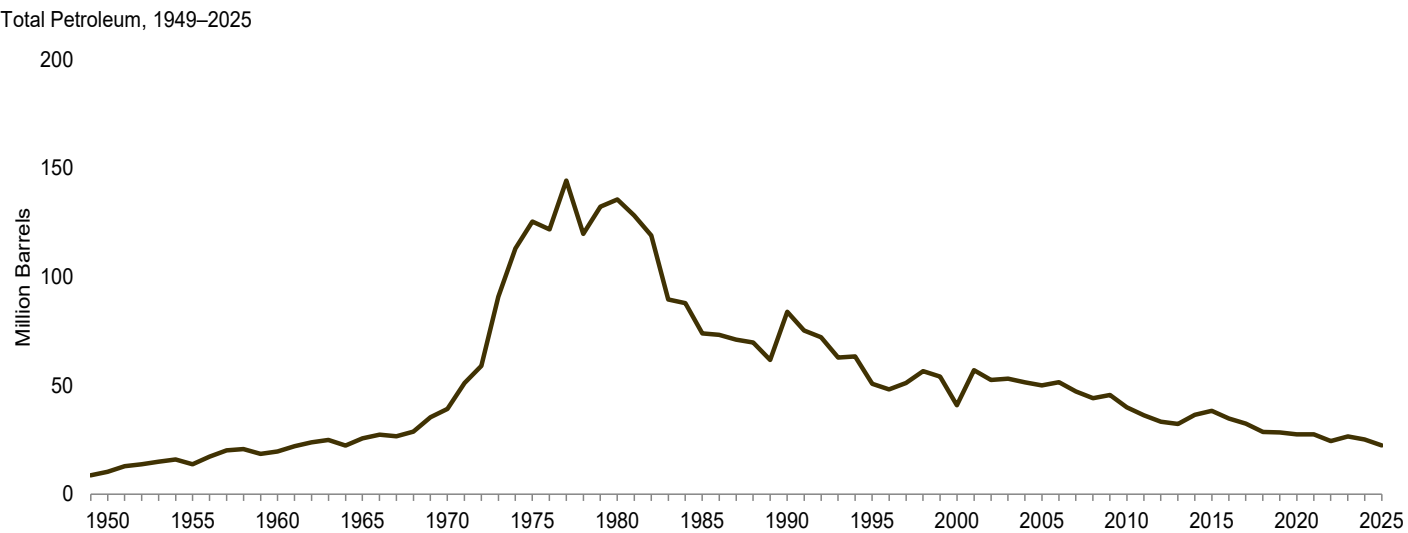
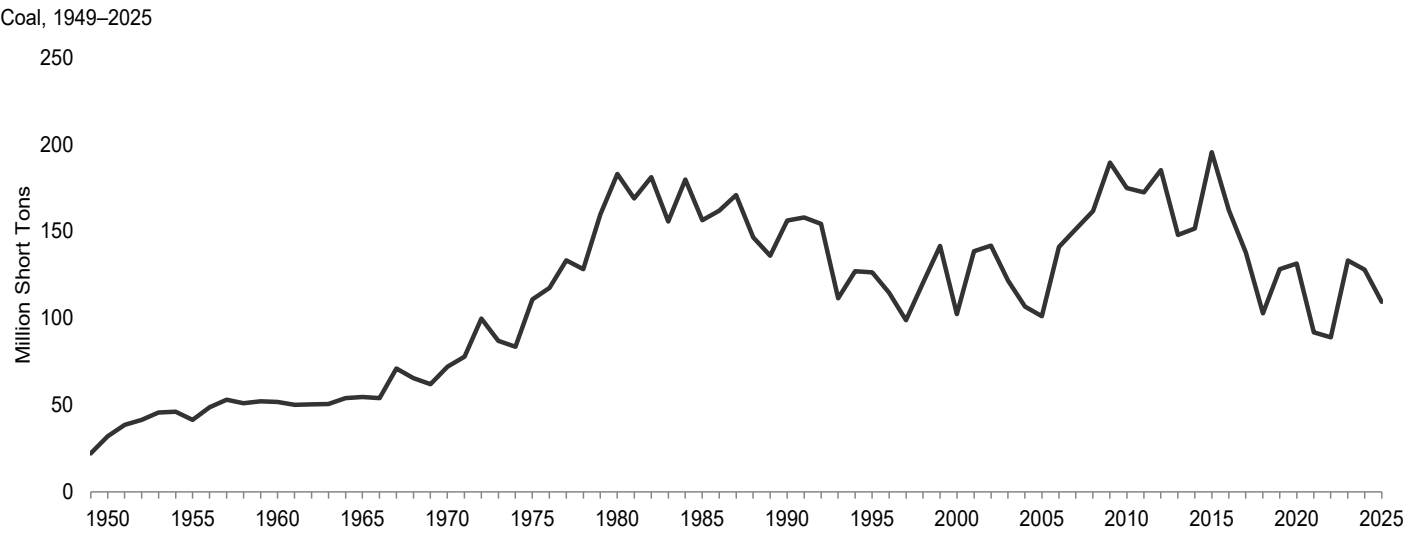
NM=Not meaningful.

Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of section. • 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/#electricity> (Excel and CSV files) for all available annual and monthly data beginning in 1989.

Sources: • **1989–1997:** U.S. Energy Information Administration (EIA), Form EIA-867, "Annual Nonutility Power Producer Report." • **1998–2000:** EIA, Form EIA-860B, "Annual Electric Generator Report—Nonutility." • **2001–2003:** EIA, Form EIA-906, "Power Plant Report." • **2004–2007:** EIA, Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report." • **2008 forward:** EIA, Form EIA-923, "Power Plant Operations Report."

Figure 7.5 Stocks of Coal and Petroleum: Electric Power Sector



Note: Data are for utility-sale facilities.
Web Page: <http://www.eia.gov/totalenergy/data/monthly/#electricity>.
Source: Table 7.5.

Table 7.5 Stocks of Coal and Petroleum: Electric Power Sector

	Coal ^a	Petroleum				Total ^{e,f}
		Distillate Fuel Oil ^b	Residual Fuel Oil ^c	Other Liquids ^d	Petroleum Coke ^e	
	Thousand Short Tons	Thousand Barrels			Thousand Short Tons	Thousand Barrels
1950 Year	31,842	NA	NA	NA	NA	10,201
1955 Year	41,391	NA	NA	NA	NA	13,671
1960 Year	51,735	NA	NA	NA	NA	19,572
1965 Year	54,525	NA	NA	NA	NA	25,647
1970 Year	71,908	NA	NA	NA	239	39,151
1975 Year	110,724	16,432	108,825	NA	31	125,413
1980 Year	183,010	30,023	105,351	NA	52	135,635
1985 Year	156,376	16,386	57,304	NA	49	73,933
1990 Year	156,166	16,471	67,030	NA	94	83,970
1995 Year	126,304	15,392	35,102	NA	65	50,821
2000 Year^g	102,296	15,127	24,748	NA	211	40,932
2005 Year	101,137	18,778	27,624	NA	530	50,062
2010 Year	174,917	16,758	16,629	1,454	1,019	39,936
2011 Year	172,387	16,649	15,491	1,603	508	36,282
2012 Year	185,116	16,433	12,999	1,430	495	33,336
2013 Year	147,884	16,068	12,926	1,393	390	32,336
2014 Year	151,548	18,309	12,764	1,249	827	36,459
2015 Year	195,548	17,955	12,566	1,173	1,340	38,396
2016 Year	162,009	17,855	11,789	949	845	34,818
2017 Year	137,687	16,342	10,930	816	864	32,407
2018 Year	102,793	16,436	8,785	756	539	28,674
2019 Year	128,102	16,733	8,549	678	471	28,317
2020 Year	131,431	17,116	8,269	678	298	27,552
2021 Year	91,884	18,220	7,038	744	302	27,513
2022 Year	88,861	16,521	5,777	513	318	24,404
2023 Year	133,028	17,628	6,058	717	427	26,539
2024 January	123,854	17,609	5,929	737	312	25,834
February	129,170	17,564	6,065	725	308	25,897
March	135,537	17,431	6,118	727	333	25,941
April	138,839	17,099	6,191	721	309	25,554
May	139,893	17,003	6,111	720	311	25,389
June	135,229	17,300	5,974	700	332	25,632
July	127,378	17,040	5,730	673	410	25,494
August	121,756	16,520	5,573	650	399	24,737
September	122,555	16,813	5,465	650	470	25,275
October	127,747	16,490	5,435	642	428	24,705
November	131,091	16,633	5,419	645	404	24,719
December	127,826	17,044	5,291	678	438	25,204
2025 January	113,290	16,040	4,714	532	395	23,261
February	106,803	16,216	4,535	515	405	23,291
March	111,657	16,152	4,833	508	368	23,332
April	115,919	16,455	4,911	566	358	23,721
May	119,487	16,637	5,007	561	390	24,157
June	116,421	15,908	4,852	540	342	23,012
July	108,731	15,688	4,688	524	326	22,528
August	104,604	15,880	4,744	486	334	22,779
September	105,398	15,862	4,620	488	278	22,361
October	109,066	15,866	4,616	482	287	22,396
November	111,847	15,891	4,750	475	311	22,669
December	109,452	16,078	4,392	463	307	22,471
2026 January	104,018	14,458	3,535	313	287	19,740
February	104,721	15,086	3,807	363	289	20,700
March	110,929	15,275	4,183	353	346	21,543
April	116,494	15,252	4,339	351	360	21,740
May	119,897	15,062	4,443	348	371	21,710

^a Anthracite, bituminous coal, subbituminous coal, and lignite. Through 2000, also includes waste coal.

^b Fuel oil nos. 1, 2 and 4. For 1973–1979, data are for gas turbine and internal combustion plant stocks of petroleum. For 1980–2000, electric utility data also include small amounts of kerosene and jet fuel.

^c Fuel oil nos. 5 and 6. For 1973–1979, data are for steam plant stocks of petroleum. For 1980–2000, electric utility data also include a small amount of fuel oil no. 4.

^d Jet fuel and kerosene. Through 2003, data also include a small amount of waste oil.

^e Petroleum coke is converted from short tons to barrels by multiplying by 5.

^f Distillate fuel oil and residual fuel oil. Beginning in 1970, also includes petroleum coke. Beginning in 2002, also includes other liquids.

^g Through 1998, data are for electric utilities only. Beginning in 1999, data are for electric utilities and independent power producers.

NA=Not available.

Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose

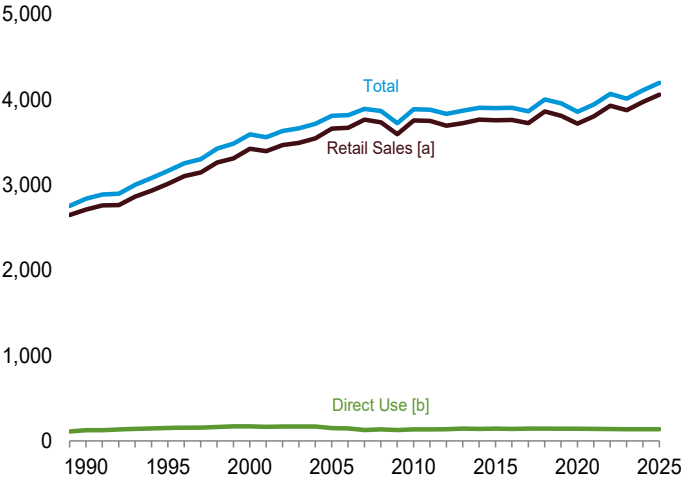
primary business is to sell electricity, or electricity and heat, to the public. • Stocks are at end of period. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 states and the District of Columbia.

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

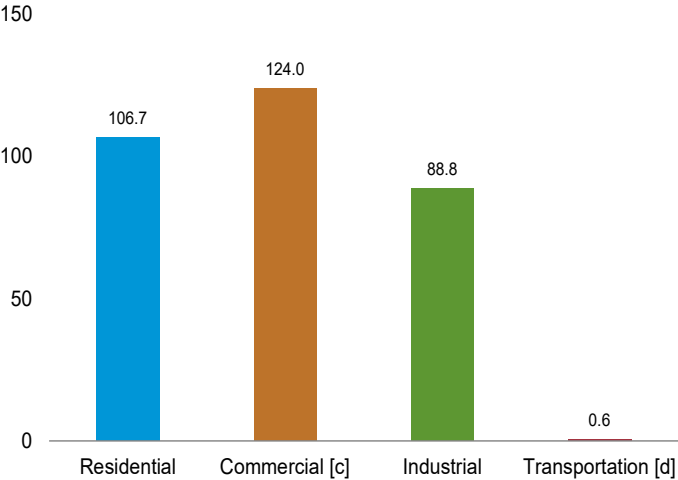
Sources: • **1949–September 1977:** Federal Power Commission, Form FPC-4, "Monthly Power Plant Report." • **October 1977–1981:** Federal Energy Regulatory Commission, Form FPC-4, "Monthly Power Plant Report." • **1982–1988:** U.S. Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report." • **1989–1997:** EIA, Form EIA-759, "Monthly Power Plant Report," and Form EIA-867, "Annual Nonutility Power Producer Report." • **1998–2000:** EIA, Form EIA-759, "Monthly Power Plant Report," and Form EIA-860B, "Annual Electric Generator Report—Nonutility." • **2001–2003:** EIA, Form EIA-906, "Power Plant Report." • **2004–2007:** EIA, Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report." • **2008 forward:** EIA, Form EIA-923, "Power Plant Operations Report."

Figure 7.6 Electricity End Use
(Billion Kilowatthours)

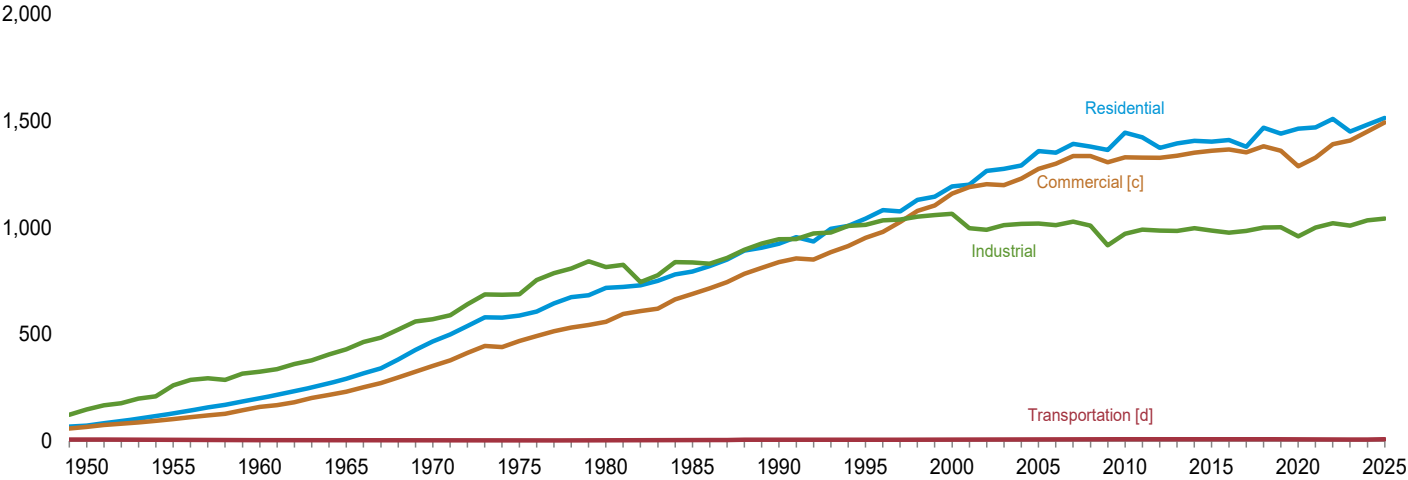
Electricity End Use Overview, 1989–2025



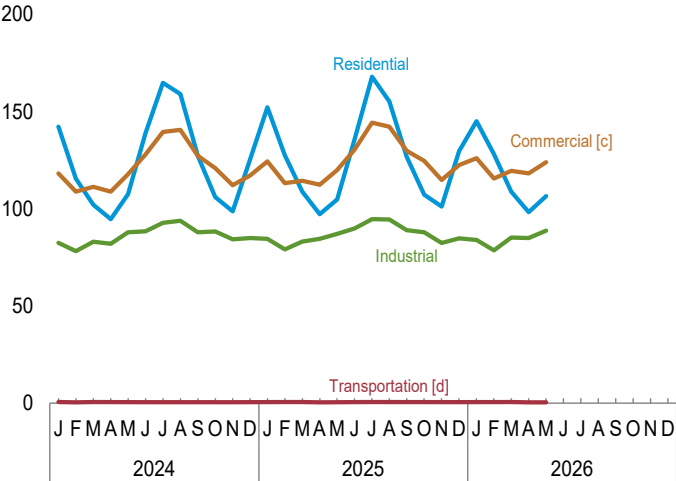
Sales to Ultimate Customers [a] by Sector, May 2026



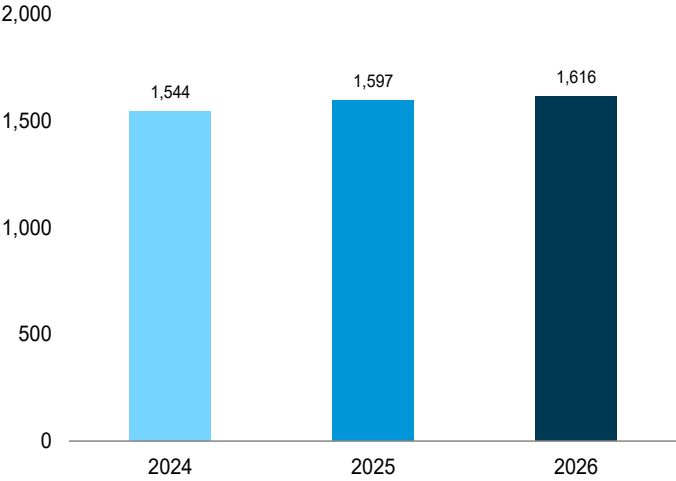
Sales to Ultimate Customers [a] by Sector, 1949–2025



Sales to Ultimate Customers [a] by Sector, Monthly



Sales to Ultimate Customers [a] Total, January–May



[a] Electricity sales to ultimate customers reported by utilities and other energy service providers.
[b] See “Direct Use” in Glossary.
[c] Commercial sector, including public street and highway lighting, inter-

departmental sales, and other sales to public authorities.
[d] Transportation sector, including sales to railroads and railways.
Web Page: <http://www.eia.gov/totalenergy/data/monthly/#electricity>.
Source: Table 7.6.

Table 7.6 Electricity End Use and Electric Vehicle Use
(Million Kilowatthours)

	Sales to Ultimate Customers ^a					Direct Use ^g	Total End Use ^h	Electric Vehicle Use ^{b,i,j}
	Residential ^b	Commercial ^{b,c}	Industrial ^{b,d}	Transportation ^e	Total Sales ^f			
1950 Total	72,200	E 65,971	146,479	E 6,793	291,443	NA	291,443	NA
1955 Total	128,401	E 102,547	259,974	E 5,826	496,748	NA	496,748	NA
1960 Total	201,463	E 159,144	324,402	E 3,066	688,075	NA	688,075	NA
1965 Total	291,013	E 231,126	428,727	E 2,923	953,789	NA	953,789	NA
1970 Total	466,291	E 352,041	570,854	E 3,115	1,392,300	NA	1,392,300	NA
1975 Total	588,140	E 468,296	687,680	E 2,974	1,747,091	NA	1,747,091	NA
1980 Total	717,495	558,643	815,067	3,244	2,094,449	NA	2,094,449	NA
1985 Total	793,934	689,121	836,772	4,147	2,323,974	NA	2,323,974	NA
1990 Total	924,019	838,263	945,522	4,751	2,712,555	124,529	2,837,084	NA
1995 Total	1,042,501	953,117	1,012,693	4,975	3,013,287	150,677	3,163,963	NA
2000 Total	1,192,446	1,159,347	1,064,239	5,382	3,421,414	170,943	3,592,357	NA
2005 Total	1,359,227	1,275,079	1,019,156	7,506	3,660,969	150,016	3,810,984	NA
2010 Total	1,445,708	1,330,199	971,221	7,712	3,754,841	131,910	3,886,752	NA
2011 Total	1,422,801	1,328,057	991,316	7,672	3,749,846	132,754	3,882,600	NA
2012 Total	1,374,515	1,327,101	985,714	7,320	3,694,650	137,657	3,832,306	NA
2013 Total	1,394,812	1,337,079	985,352	7,625	3,724,868	143,462	3,868,330	NA
2014 Total	1,407,208	1,352,158	997,576	7,758	3,764,700	138,574	3,903,274	NA
2015 Total	1,404,096	1,360,752	986,508	7,637	3,758,992	141,168	3,900,160	NA
2016 Total	1,411,058	1,367,191	976,715	7,497	3,762,462	139,837	3,902,298	NA
2017 Total	1,378,648	1,352,888	984,298	7,523	3,723,356	140,959	3,864,315	NA
2018 Total	1,469,093	1,381,755	1,000,673	7,665	3,859,185	143,904	4,003,089	E 1,582
2019 Total	1,440,289	1,360,877	1,002,353	7,632	3,811,150	143,270	3,954,421	E 2,060
2020 Total	1,464,605	1,287,440	959,082	6,548	3,717,674	138,703	3,856,377	E 2,900
2021 Total	1,470,487	1,328,439	1,000,613	6,334	3,805,874	138,915	3,944,789	E 3,519
2022 Total	1,509,233	1,390,873	1,020,464	6,599	3,927,169	139,726	4,066,895	E 5,252
2023 Total	1,450,025	1,408,109	1,009,256	6,864	3,874,253	136,918	4,011,172	E 13,212
2024 January	142,354	118,234	82,517	612	343,717	E 12,266	355,982	E 1,354
February	115,477	108,967	78,277	538	303,258	E 11,002	314,260	E 1,246
March	102,203	111,382	83,100	593	297,278	E 11,090	308,369	E 1,389
April	94,674	108,972	82,078	532	286,257	E 10,760	297,017	E 1,370
May	107,605	117,864	87,901	592	313,961	E 11,077	325,038	E 1,434
June	138,920	127,949	88,446	566	355,882	E 11,042	366,924	E 1,434
July	164,833	139,551	92,848	641	397,873	E 11,900	409,773	E 1,532
August	159,098	140,632	93,848	621	394,199	E 12,227	406,427	E 1,547
September	127,340	127,248	87,920	563	343,071	E 11,025	354,096	E 1,470
October	106,083	120,899	88,354	566	315,902	E 10,264	326,166	E 1,607
November	98,782	112,091	84,369	554	295,796	E 10,715	306,511	E 1,599
December	125,504	117,152	84,927	605	328,188	E 11,672	339,860	E 1,818
Total	1,482,874	1,450,941	1,034,584	6,983	3,975,382	135,041	4,110,422	E 17,800
2025 January	152,329	124,447	84,519	686	361,981	E 12,282	374,263	E 1,758
February	127,517	113,204	79,229	610	320,561	E 10,758	331,319	E 1,622
March	108,969	114,427	83,210	635	307,241	E 11,398	318,639	E 1,770
April	97,306	112,436	84,536	569	294,846	E 10,557	305,403	E 1,802
May	104,856	119,943	87,134	556	312,489	E 10,822	323,311	E 1,937
June	135,822	130,589	90,022	667	357,100	E 11,264	368,365	E 2,004
July	168,011	144,363	94,651	605	407,630	E 11,964	419,594	E 2,182
August	155,204	142,263	94,540	625	392,631	E 12,040	404,671	E 2,173
September	126,778	129,791	89,041	592	346,202	E 11,479	357,681	E 2,045
October	107,313	124,680	88,004	590	320,588	E 11,357	331,945	E 2,086
November	101,222	114,822	82,422	555	299,022	E 11,358	310,379	E 1,967
December	129,667	122,522	84,907	621	337,716	E 11,799	349,514	E 2,187
Total	1,514,993	1,493,486	1,042,217	7,311	4,058,007	E 137,077	4,195,085	E 23,533
2026 January	145,115	126,120	84,043	663	355,940	E 11,831	367,771	E 2,246
February	128,055	115,691	78,653	635	323,035	E 10,384	333,419	E 2,076
March	108,868	119,622	85,228	591	314,308	E 11,077	325,385	E 2,294
April	98,322	118,237	85,004	564	302,127	E 10,544	312,670	E 2,219
May	106,659	124,044	88,821	572	320,096	E 10,815	330,911	E 2,365
5-Month Total	587,019	603,713	421,749	3,025	1,615,506	E 54,651	1,670,157	E 11,200
2025 5-Month Total	590,977	584,457	418,629	3,056	1,597,118	E 55,817	1,652,936	E 8,889
2024 5-Month Total	562,313	565,419	413,873	2,866	1,544,471	E 56,195	1,600,666	E 6,794

^a Electricity sales to ultimate customers based on classes of service reported by electric utilities and, beginning in 1996, other energy service providers.

^b Electricity sales to the residential, commercial, and industrial sectors, based on class of service, including sales of electricity to operate and move electric vehicles. See Note 4, "Experimental Estimates of Electric Vehicle Use," at end of section.

^c Commercial sector, including public street and highway lighting, interdepartmental sales, and other sales to public authorities.

^d Industrial sector. Through 2002, excludes agriculture and irrigation; beginning in 2003, includes agriculture and irrigation.

^e Sales to public railroads and railway systems only. Excludes the estimated amount of electricity used to operate and move electric vehicles.

^f The sum of "Residential," "Commercial," "Industrial," and "Transportation."

^g Use of electricity that is 1) self-generated, 2) produced by either the same entity that consumes the power or an affiliate, and 3) used in direct support of a service or industrial process located within the same facility or group of facilities that house the generating equipment. Direct use is exclusive of station use.

^h The sum of "Total Sales to Ultimate Customers" and "Direct Use."

ⁱ Electricity used to operate and move on-road light-duty electric vehicles (less than or equal to 8,500 pounds). Excludes motor gasoline consumption by plug-in hybrid electric vehicles. Electric vehicle use is estimated independently and should not be added to the sales or total end use columns as it will result in double counting. See Note 4, "Experimental Estimates of Electric Vehicle Use," at end of section.

^j Beginning in 2023, the estimates are not strictly comparable with earlier years due to a change in the estimation methodology for vehicle miles traveled. For details see Table 1.9 footnote f.

E=Estimate. NA=Not available.

Notes: • See Note 1, "Coverage of Electricity Statistics," at end of section. • See Note 4, "Experimental Estimates of Electric Vehicle Use," at end of section. • 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/#electricity> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Table 7.7a Electric Net Summer Capacity: Total (All Sectors)

(Sum of Tables 7.7b, 7.7c, and 7.7d; Million Kilowatts)

	Fossil Fuels				Nuclear Electric Power	Hydro-electric Pumped Storage	Renewable Energy								Battery Storage	Total ⁱ
	Coal ^a	Petroleum ^b	Natural Gas ^c	Total ^d			Conventional Hydro-electric Power ^e	Biomass		Geo-thermal	Solar ^h	Wind	Total			
								Wood ^f	Waste ^g							
1950 Year	NA	NA	NA	50.0	0.0	(^e)	19.2	(s)	(j)	NA	NA	NA	19.2	NA	69.2	
1955 Year	NA	NA	NA	86.8	.0	(^e)	27.4	(s)	(j)	NA	NA	NA	27.4	NA	114.2	
1960 Year	NA	NA	NA	130.8	.4	(^e)	35.8	.1	(j)	(s)	NA	NA	35.9	NA	167.1	
1965 Year	NA	NA	NA	182.9	.8	(^e)	51.0	.1	(j)	(s)	NA	NA	51.1	NA	234.8	
1970 Year	NA	NA	NA	265.4	7.0	(^e)	63.8	.1	(j)	.1	NA	NA	64.0	NA	336.4	
1975 Year	NA	NA	NA	375.1	37.3	(^e)	78.4	.1	(j)	.5	NA	NA	79.0	NA	491.3	
1980 Year	NA	NA	NA	444.1	51.8	(^e)	81.7	.1	(j)	.9	NA	NA	82.7	NA	578.6	
1985 Year	NA	NA	NA	485.0	79.4	(^e)	88.9	.2	.2	1.6	(^k)	(s)	90.8	NA	655.2	
1990 Year	307.4	77.9	140.8	527.8	99.6	19.5	73.9	5.5	2.5	2.7	.3	1.8	86.8	NA	734.1	
1995 Year	311.4	66.6	174.5	554.2	99.5	21.4	78.6	6.8	3.5	3.0	.3	1.7	93.9	NA	769.5	
2000 Year	315.1	61.8	219.6	598.9	97.9	19.5	79.4	6.1	3.9	2.8	.4	2.4	94.9	NA	811.7	
2005 Year	313.4	58.5	383.1	757.1	100.0	21.3	77.5	6.2	3.6	2.3	.4	8.7	98.7	NA	978.0	
2010 Year	317.3	55.6	405.1	780.3	101.2	22.2	78.8	7.0	4.4	2.4	.9	39.1	132.6	(s)	1,039.1	
2011 Year	317.6	51.5	415.2	786.2	101.4	22.3	78.7	7.1	4.5	2.4	1.5	45.7	139.9	.1	1,051.3	
2012 Year	309.7	47.2	422.4	781.2	101.9	22.4	78.7	7.5	4.8	2.6	3.2	59.1	155.9	.1	1,063.0	
2013 Year	303.3	43.5	425.4	774.3	99.2	22.4	79.2	8.4	5.0	2.6	6.6	60.0	161.8	.1	1,060.1	
2014 Year	299.1	41.1	432.2	774.3	98.6	22.5	79.7	8.4	5.2	2.5	10.3	64.2	170.3	.2	1,068.4	
2015 Year	279.7	36.8	439.4	758.5	98.7	22.6	79.7	9.0	5.1	2.5	13.7	72.6	182.5	.3	1,064.1	
2016 Year	266.6	34.4	446.8	750.3	99.6	22.8	79.9	8.9	5.1	2.5	22.0	81.3	199.7	.6	1,074.3	
2017 Year	256.5	33.3	456.0	748.2	99.6	22.8	79.8	8.8	5.1	2.5	27.0	87.6	210.8	.7	1,084.4	
2018 Year	242.8	32.2	470.2	747.8	99.4	22.8	79.9	8.7	5.0	2.4	31.9	94.4	222.3	.9	1,094.7	
2019 Year	228.7	31.4	476.6	739.1	98.1	22.8	79.8	8.4	4.7	2.6	37.5	103.6	236.5	1.0	1,099.1	
2020 Year	215.6	27.6	485.8	731.2	96.5	23.0	79.9	8.3	4.6	2.6	48.1	118.4	261.9	1.5	1,115.7	
2021 Year	209.8	28.2	491.9	731.8	95.5	23.0	79.9	7.9	4.5	2.6	61.6	132.8	289.2	4.7	1,145.9	
2022 Year	189.3	30.8	502.4	724.2	94.7	23.0	80.1	7.8	4.3	2.6	72.9	141.4	309.1	9.0	1,161.4	
2023 Year	178.4	29.4	507.5	717.3	95.7	23.1	80.0	7.7	4.1	2.7	92.0	147.4	334.0	16.0	1,187.6	
2024 January	177.5	28.8	507.9	715.9	95.7	23.1	79.9	7.5	4.1	2.7	95.1	147.8	337.1	16.3	1,189.6	
February	177.5	28.8	507.9	715.9	95.7	23.1	79.9	7.5	4.1	2.7	95.7	148.0	337.9	16.3	1,190.4	
March	177.3	28.8	507.2	715.0	95.7	23.2	79.9	7.5	4.1	2.7	98.6	148.2	341.0	17.4	1,193.8	
April	176.7	28.8	506.7	713.9	96.8	23.2	79.9	7.5	4.1	2.7	100.1	149.3	343.5	18.0	1,196.8	
May	176.2	28.8	506.9	713.5	96.8	23.2	79.9	7.5	4.1	2.7	102.6	149.4	346.1	19.2	1,200.3	
June	176.0	28.7	505.5	711.8	96.8	23.2	79.9	7.5	4.1	2.7	105.3	149.4	348.8	20.4	1,202.5	
July	176.0	28.7	506.3	712.7	96.8	23.2	79.9	7.5	4.0	2.7	106.3	150.1	350.5	21.2	1,205.7	
August	176.0	28.7	506.3	712.6	96.8	23.2	79.9	7.5	4.0	2.7	107.5	150.5	352.0	22.4	1,208.5	
September	175.8	28.7	506.3	712.4	96.8	23.2	79.9	7.5	4.0	2.7	110.0	150.6	354.7	23.2	1,211.7	
October	174.6	28.7	506.1	711.0	96.8	23.2	79.9	7.4	4.0	2.7	112.8	150.6	357.4	24.0	1,213.9	
November	174.6	28.7	506.2	711.1	96.8	23.2	79.9	7.4	4.0	2.7	117.8	150.6	362.4	24.8	1,219.8	
December	174.2	28.6	506.4	710.9	96.8	23.2	79.9	7.4	4.0	2.7	123.5	152.1	369.6	27.0	1,228.8	
2025 January	172.9	28.2	507.4	710.3	96.8	23.2	79.9	7.4	4.0	2.7	126.8	153.5	374.3	27.6	1,233.6	
February	172.5	28.2	507.5	709.9	96.8	23.2	79.9	7.4	4.0	2.7	128.0	153.9	375.8	28.2	1,235.3	
March	172.2	28.2	507.3	709.4	96.8	23.2	79.9	7.4	4.0	2.7	130.6	153.9	378.4	29.2	1,238.5	
April	172.2	28.2	507.5	709.5	96.8	23.2	79.9	7.4	4.0	2.7	132.6	154.1	380.7	30.5	1,242.2	
May	172.2	28.1	508.0	709.9	96.9	23.2	79.9	7.4	4.0	2.7	134.0	154.3	382.3	32.2	1,246.0	
June	172.2	28.1	508.6	710.5	96.9	23.2	79.9	7.4	4.0	2.7	136.5	154.9	385.3	33.8	1,251.1	
July	171.8	28.1	509.0	710.5	96.9	23.2	79.9	7.3	4.0	2.7	138.0	155.1	386.9	35.5	1,254.4	
August	171.8	28.1	509.6	711.2	96.9	23.2	79.9	7.3	4.0	2.7	140.5	155.3	389.6	36.6	1,258.9	
September	171.8	28.1	509.6	711.2	96.9	23.2	79.9	7.3	4.0	2.7	142.4	155.5	391.8	37.5	1,262.1	
October	170.9	28.1	510.2	710.9	96.9	23.2	79.9	7.3	4.0	2.7	144.1	155.9	393.8	39.2	1,265.5	
November	170.0	28.1	510.4	710.2	96.9	23.2	79.9	7.3	4.0	2.7	146.4	156.3	396.6	40.6	1,268.9	
December	169.8	28.1	512.1	711.6	96.9	23.2	79.9	7.3	4.0	2.7	151.2	158.3	403.3	42.8	1,279.2	
2026 January	170.0	28.0	511.6	711.2	96.9	23.2	79.9	7.2	4.0	2.7	153.9	159.5	407.3	43.4	1,283.4	
February	171.8	27.8	512.3	713.7	96.9	23.2	80.0	7.2	4.0	2.7	155.5	159.5	408.8	44.6	1,288.7	
March	168.9	27.9	513.4	712.0	96.9	23.1	79.9	7.2	4.0	2.7	156.7	158.8	409.3	46.5	1,289.2	
April	168.7	28.0	515.2	713.7	96.9	23.1	80.0	7.2	4.0	2.7	160.2	160.1	414.1	48.2	1,297.4	
May	169.9	28.0	514.3	714.0	96.9	23.1	80.0	7.1	4.0	2.7	162.0	164.6	420.3	48.8	1,304.6	

^a Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^b Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, and, beginning in 2011, propane.

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

^d Includes other fossil gases (blast furnace gas, other manufactured and waste gases derived from fossil fuels, and, through 2010, propane gas), which are not separately shown.

^e Through 1988, hydroelectric pumped storage is included in "Conventional Hydroelectric Power."

^f Wood and wood-derived fuels.

^g Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^h Electric net summer capacity from solar thermal and photovoltaic (PV) energy at utility-scale facilities. Does not include small-scale solar photovoltaic capacity.

ⁱ Includes chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, flywheels, and, beginning in 2001, non-renewable waste (municipal

solid waste from non-biogenic sources, and tire-derived fuels), which are not separately shown.

^j Through 1984, waste is included in "Wood."

^k Through 1988, solar is included in "Wind."

^l Through 1988, all data are for electric utilities only. Beginning in 1989, data are for electric utilities, independent power producers, commercial plants, and industrial plants.

NA=Not available. (s)=Less than 0.05 million kilowatts.

Notes: • Data are at end of period. • For plants that use multiple sources of energy, capacity is assigned to the energy source reported as the predominant one.

• Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • See "Net summer capacity" 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/#electricity> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: Tables 7.7b–7.7d.

Table 7.7b Electric Net Summer Capacity: Electric Power Sector
(Subset of Table 7.7a; Million Kilowatts)

	Fossil Fuels				Nuclear Electric Power	Hydro-electric Pumped Storage	Renewable Energy							Battery Storage	Total ⁱ
	Coal ^a	Petroleum ^b	Natural Gas ^c	Total ^d			Conventional Hydro-electric Power ^e	Biomass		Geo-thermal	Solar ^h	Wind	Total		
								Wood ^f	Waste ^g						
1950 Year	NA	NA	NA	50.0	0.0	(^e)	19.2	(s)	(j)	NA	NA	NA	19.2	NA	69.2
1955 Year	NA	NA	NA	86.8	.0	(^e)	27.4	(s)	(j)	NA	NA	NA	27.4	NA	114.2
1960 Year	NA	NA	NA	130.8	.4	(^e)	35.8	.1	(j)	(s)	NA	NA	35.9	NA	167.1
1965 Year	NA	NA	NA	182.9	.8	(^e)	51.0	.1	(j)	(s)	NA	NA	51.1	NA	234.8
1970 Year	NA	NA	NA	265.4	7.0	(^e)	63.8	.1	(j)	.1	NA	NA	64.0	NA	336.4
1975 Year	NA	NA	NA	375.1	37.3	(^e)	78.4	.1	(j)	.5	NA	NA	79.0	NA	491.3
1980 Year	NA	NA	NA	444.1	51.8	(^e)	81.7	.1	(j)	.9	NA	NA	82.7	NA	578.6
1985 Year	NA	NA	NA	485.0	79.4	(^e)	88.9	.2	.2	1.6	(^k)	(s)	90.8	NA	655.2
1990 Year	302.3	76.8	129.9	509.3	99.6	19.5	73.3	1.2	2.1	2.7	.3	1.8	81.4	NA	709.9
1995 Year	306.0	65.4	161.9	533.7	99.5	21.4	77.4	1.8	3.0	3.0	.3	1.7	87.3	NA	741.8
2000 Year	310.2	60.7	204.7	575.9	97.9	19.5	78.2	1.7	3.3	2.8	.4	2.4	88.8	NA	782.1
2005 Year	309.0	57.4	367.5	734.3	100.0	21.3	76.9	1.6	3.0	2.3	.4	8.7	92.9	NA	948.6
2010 Year	312.9	54.6	389.8	757.5	101.2	22.2	78.5	2.1	3.7	2.4	.9	39.1	126.6	(s)	1,009.2
2011 Year	313.7	50.4	399.7	763.8	101.4	22.3	78.3	2.0	3.8	2.4	1.5	45.6	133.6	.1	1,021.3
2012 Year	305.9	45.7	406.6	758.2	101.9	22.4	78.1	2.3	4.0	2.6	3.1	59.0	149.0	.1	1,032.0
2013 Year	299.9	42.4	409.2	751.7	99.2	22.4	78.5	2.9	4.1	2.6	6.4	59.9	154.5	.1	1,029.0
2014 Year	295.9	40.1	415.6	751.7	98.6	22.5	79.4	2.9	4.2	2.5	10.1	64.2	163.3	.2	1,037.6
2015 Year	277.0	35.7	423.0	736.0	98.7	22.6	79.4	3.1	4.2	2.5	13.4	72.5	175.0	.3	1,032.9
2016 Year	264.3	33.2	430.4	728.2	99.6	22.8	79.6	3.2	4.2	2.5	21.6	81.2	192.3	.6	1,043.6
2017 Year	254.4	32.1	439.5	726.3	99.6	22.8	79.4	3.0	4.2	2.5	26.6	87.5	203.3	.7	1,053.6
2018 Year	240.7	30.8	453.7	725.6	99.4	22.8	79.6	2.9	4.2	2.4	31.5	94.3	214.8	.8	1,063.7
2019 Year	226.8	30.0	459.5	716.7	98.1	22.8	79.5	2.7	3.9	2.5	37.0	103.5	229.1	1.0	1,068.0
2020 Year	214.0	26.2	468.2	708.7	96.5	23.0	79.6	2.7	3.8	2.5	47.6	118.0	254.3	1.5	1,084.2
2021 Year	208.3	26.8	473.5	708.9	95.5	23.0	79.6	2.4	3.7	2.5	61.0	132.6	281.9	4.7	1,114.3
2022 Year	187.9	29.2	483.6	701.1	94.7	23.0	79.8	2.4	2.9	2.6	72.2	141.3	301.3	8.9	1,129.2
2023 Year	177.0	28.0	488.9	694.3	95.7	23.1	79.7	2.3	2.7	2.7	91.3	147.3	326.1	15.9	1,155.4
2024 January	176.1	27.3	489.2	692.9	95.7	23.1	79.6	2.3	2.7	2.7	94.4	147.7	329.4	16.2	1,157.5
February	176.1	27.3	489.2	692.9	95.7	23.1	79.6	2.3	2.7	2.7	95.0	147.9	330.2	16.3	1,158.4
March	175.9	27.3	488.4	692.0	95.7	23.2	79.6	2.3	2.7	2.7	97.9	148.1	333.3	17.3	1,161.7
April	175.3	27.3	488.0	691.0	96.8	23.2	79.6	2.3	2.7	2.7	99.4	149.2	335.8	18.0	1,165.0
May	174.8	27.3	488.2	690.6	96.8	23.2	79.6	2.3	2.7	2.7	101.9	149.3	338.4	19.1	1,168.3
June	174.6	27.2	486.8	688.9	96.8	23.2	79.6	2.3	2.7	2.7	104.6	149.3	341.1	20.4	1,170.6
July	174.6	27.2	487.6	689.7	96.8	23.2	79.6	2.2	2.7	2.7	105.5	150.0	342.8	21.1	1,173.8
August	174.6	27.2	487.6	689.7	96.8	23.2	79.6	2.2	2.7	2.7	106.7	150.3	344.3	22.4	1,176.6
September	174.4	27.2	487.6	689.4	96.8	23.2	79.6	2.2	2.7	2.7	109.2	150.5	346.9	23.2	1,179.7
October	173.2	27.2	487.4	688.1	96.8	23.2	79.6	2.2	2.7	2.7	112.1	150.5	349.8	23.9	1,182.0
November	173.2	27.2	487.5	688.3	96.8	23.2	79.6	2.2	2.7	2.7	117.1	150.5	354.7	24.8	1,187.9
December	172.8	27.2	487.9	688.2	96.8	23.2	79.6	2.2	2.7	2.7	122.7	152.0	361.9	27.0	1,197.2
2025 January	171.5	26.8	489.0	687.6	96.8	23.2	79.6	2.2	2.7	2.7	126.1	153.3	366.6	27.5	1,201.8
February	171.1	26.7	489.0	687.2	96.8	23.2	79.6	2.2	2.7	2.7	127.2	153.7	368.1	28.1	1,203.5
March	170.8	26.7	488.8	686.7	96.8	23.2	79.6	2.2	2.7	2.7	129.8	153.7	370.7	29.1	1,206.7
April	170.8	26.7	489.0	686.8	96.8	23.2	79.6	2.2	2.7	2.7	131.9	154.0	373.0	30.4	1,210.4
May	170.8	26.6	489.5	687.2	96.9	23.2	79.6	2.2	2.7	2.7	133.2	154.2	374.6	32.1	1,214.1
June	170.8	26.6	490.1	687.7	96.9	23.2	79.6	2.2	2.7	2.7	135.3	154.7	377.1	33.7	1,218.8
July	170.4	26.6	490.5	687.8	96.9	23.2	79.6	2.2	2.7	2.7	136.7	154.9	378.7	35.4	1,222.2
August	170.4	26.6	491.1	688.4	96.9	23.2	79.6	2.2	2.7	2.7	139.2	155.1	381.5	36.5	1,226.7
September	170.4	26.6	491.1	688.5	96.9	23.2	79.6	2.2	2.7	2.7	140.9	155.3	383.4	37.5	1,229.6
October	169.5	26.6	491.8	688.3	96.9	23.2	79.6	2.2	2.7	2.7	142.5	155.8	385.5	39.1	1,233.1
November	168.6	26.6	492.0	687.6	96.9	23.2	79.6	2.2	2.7	2.7	144.9	156.2	388.2	40.5	1,236.6
December	168.4	26.6	493.7	689.0	96.9	23.2	79.6	2.2	2.7	2.7	149.7	158.1	394.9	42.6	1,246.7
2026 January	168.6	26.5	493.2	688.6	96.9	23.2	79.7	2.1	2.6	2.7	152.3	159.4	398.8	43.1	1,250.8
February	170.4	26.3	494.1	691.1	96.9	23.2	79.7	2.1	2.6	2.7	153.8	159.4	400.3	44.3	1,256.0
March	167.5	26.5	495.2	689.5	96.9	23.1	79.7	2.1	2.7	2.7	155.0	158.7	400.8	46.1	1,256.5
April	167.2	26.5	497.0	691.1	96.9	23.1	79.7	2.1	2.7	2.7	158.5	160.0	405.6	47.9	1,264.7
May	168.5	26.5	496.1	691.4	96.9	23.1	79.7	2.1	2.7	2.7	160.3	164.4	411.9	48.4	1,271.9

^a Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^b Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, and, beginning in 2011, propane.

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

^d Includes other fossil gases (blast furnace gas, other manufactured and waste gases derived from fossil fuels, and, through 2010, propane gas), which are not separately shown.

^e Through 1988, hydroelectric pumped storage is included in "Conventional Hydroelectric Power."

^f Wood and wood-derived fuels.

^g Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^h Electric net summer capacity from solar thermal and photovoltaic (PV) energy at utility-scale facilities. Does not include small-scale solar photovoltaic capacity.

ⁱ Includes chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, flywheels, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels), which are not

separately shown.

^j Through 1984, waste is included in "Wood."

^k Through 1988, solar is included in "Wind."

^l Through 1988, all data are for electric utilities only. Beginning in 1989, data are for electric utilities and independent power producers.

NA=Not available. (s)=Less than 0.05 million kilowatts.

Notes: • Data are at end of period. • For plants that use multiple sources of energy, capacity is assigned to the energy source reported as the predominant one.

• Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • See "Net summer capacity" in Glossary. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • 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/#electricity> (Excel and CSV files) for all available annual data beginning in 1949 and monthly data beginning in 1973.

Sources: See end of section.

Table 7.7c Electric Net Summer Capacity: Commercial Sector
(Subset of Table 7.7a; Million Kilowatts)

	Fossil Fuels				Nuclear Electric Power	Hydro- electric Pumped Storage	Renewable Energy							Battery Storage	Total ^h
	Coal ^a	Petro- leum ^b	Natural Gas ^c	Total ^d			Conven- tional Hydro- electric Power	Biomass		Geo- thermal	Solar ^g	Wind	Total		
								Wood ^e	Waste ^f						
1990 Year	0.3	0.2	0.7	1.2	—	—	(s)	(s)	0.2	—	—	—	0.2	—	1.4
1995 Year	.3	.2	1.2	1.8	—	—	(s)	(s)	.3	—	—	—	.3	—	2.1
2000 Year	.3	.3	1.2	1.8	—	—	(s)	(s)	.4	—	—	—	.4	—	2.2
2005 Year	.4	.3	1.0	1.8	—	—	(s)	(s)	.4	—	—	—	.5	—	2.2
2010 Year	.4	.4	1.2	1.9	—	—	(s)	(s)	.5	—	(s)	(s)	.5	—	2.5
2011 Year	.4	.4	1.3	2.1	—	—	(s)	(s)	.6	—	.1	(s)	.7	—	2.8
2012 Year	.4	.4	1.5	2.4	—	—	(s)	(s)	.6	—	.1	(s)	.8	—	3.2
2013 Year	.3	.5	1.8	2.6	—	—	(s)	(s)	.7	—	.2	(s)	1.0	—	3.6
2014 Year	.3	.5	1.8	2.6	—	—	(s)	.1	.7	—	.2	.1	1.1	—	3.7
2015 Year	.2	.5	1.9	2.6	—	—	(s)	.1	.7	—	.3	.1	1.2	(s)	3.8
2016 Year	.2	.5	2.0	2.7	—	—	.1	.1	.7	—	.3	.1	1.2	(s)	3.9
2017 Year	.2	.6	2.0	2.8	—	—	.1	.1	.7	—	.3	.1	1.2	(s)	4.1
2018 Year	.1	.8	2.2	3.1	—	—	.1	.1	.7	(s)	.3	.1	1.3	(s)	4.5
2019 Year	.1	.9	2.2	3.2	—	—	.1	.1	.7	(s)	.4	.1	1.3	(s)	4.6
2020 Year	.1	.9	2.3	3.3	—	—	.1	.1	.7	(s)	.4	.1	1.3	(s)	4.6
2021 Year	.1	.9	2.3	3.3	—	—	.1	.1	.7	(s)	.4	.1	1.5	(s)	4.8
2022 Year	(s)	1.0	2.4	3.4	—	—	.1	.1	1.3	—	.4	.1	2.0	(s)	5.4
2023 Year	(s)	1.0	2.3	3.4	—	—	.1	.1	1.3	—	.4	.1	2.0	(s)	5.4
2024 January	(s)	1.0	2.4	3.4	—	—	.1	.1	1.2	—	.4	.1	2.0	(s)	5.4
February	(s)	1.0	2.4	3.4	—	—	.1	.1	1.2	—	.4	.1	2.0	(s)	5.4
March	(s)	1.0	2.4	3.4	—	—	.1	.1	1.2	—	.4	.1	2.0	(s)	5.4
April	(s)	1.0	2.4	3.4	—	—	.1	.1	1.2	—	.4	.1	2.0	(s)	5.4
May	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	2.0	(s)	5.5
June	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	2.0	(s)	5.5
July	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	2.0	(s)	5.5
August	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	2.0	(s)	5.5
September	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	2.0	(s)	5.5
October	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.5
November	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.5
December	(s)	1.0	2.4	3.4	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.4
2025 January	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.5
February	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.5
March	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.5
April	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.5
May	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.5
June	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.5
July	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.5
August	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.5
September	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.5
October	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.5
November	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.4	.1	1.9	(s)	5.5
December	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.5	.1	2.0	(s)	5.5
2026 January	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.5	.1	2.0	(s)	5.5
February	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.5	.1	1.9	(s)	5.5
March	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.5	.1	1.9	(s)	5.5
April	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.5	.1	1.9	(s)	5.5
May	(s)	1.0	2.4	3.5	—	—	.1	.1	1.2	—	.5	.1	2.0	(s)	5.6

^a Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^b Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, and, beginning in 2011, propane.

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

^d Includes other fossil gases (blast furnace gas, other manufactured and waste gases derived from fossil fuels, and, through 2010, propane gas), which are not separately shown.

^e Wood and wood-derived fuels.

^f Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^g Electric net summer capacity from solar thermal and photovoltaic (PV) energy at utility-scale facilities. Does not include small-scale solar photovoltaic capacity.

^h Includes chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, flywheels, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels), which are not

separately shown.

—=No data reported. (s)=Less than 0.05 million kilowatts.

Notes: • Data are at end of period. • For plants that use multiple sources of energy, capacity is assigned to the energy source reported as the predominant one. • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • See "Net summer capacity" in Glossary. • See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of section. • 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/#electricity> (Excel and CSV files) for all available annual data beginning in 1989 and monthly data beginning in 2008.

Sources: • 1989–1997: U.S. Energy Information Administration (EIA), Form EIA-867, "Annual Nonutility Power Producer Report." • 1998–2000: EIA, Form EIA-860B, "Annual Electric Generator Report—Nonutility." • 2001–2007: EIA, Form EIA-860, "Annual Electric Generator Report." • 2008 forward: EIA, Form EIA-860, "Annual Electric Generator Report," and Form EIA-860M, "Monthly Update to the Annual Electric Generator Report."

Table 7.7d Electric Net Summer Capacity: Industrial Sector
(Subset of Table 7.7a; Million Kilowatts)

	Fossil Fuels				Nuclear Electric Power	Hydro-electric Pumped Storage	Renewable Energy							Battery Storage	Total ^h
	Coal ^a	Petro-leum ^b	Natural Gas ^c	Total ^d			Conven-tional Hydro-electric Power	Biomass		Geo-thermal	Solar ^g	Wind	Total		
								Wood ^e	Waste ^f						
1990 Year	4.8	0.9	10.3	17.3	—	—	0.6	4.3	0.2	—	—	—	5.1	—	22.9
1995 Year	5.0	1.0	11.3	18.7	—	—	1.1	4.9	.2	—	—	—	6.3	—	25.5
2000 Year	4.6	.8	13.7	21.2	—	—	1.1	4.4	.2	—	—	—	5.7	—	27.3
2005 Year	4.0	.8	14.5	21.0	—	—	.7	4.5	.2	—	—	—	5.4	—	27.2
2010 Year	4.0	.7	14.2	20.8	—	—	.3	4.9	.2	—	(s)	(s)	5.5	—	27.4
2011 Year	3.5	.7	14.3	20.4	—	—	.3	5.0	.2	—	(s)	(s)	5.6	—	27.1
2012 Year	3.3	1.0	14.3	20.5	—	—	.6	5.2	.2	—	(s)	(s)	6.1	—	27.8
2013 Year	3.0	.7	14.4	20.0	—	—	.7	5.5	.2	—	(s)	(s)	6.4	—	27.5
2014 Year	2.9	.6	14.7	20.0	—	—	.3	5.4	.2	—	(s)	(s)	5.9	—	27.2
2015 Year	2.5	.7	14.5	19.8	—	—	.3	5.8	.2	—	(s)	(s)	6.4	—	27.4
2016 Year	2.1	.7	14.5	19.4	—	—	.3	5.7	.2	—	(s)	(s)	6.2	—	26.8
2017 Year	2.0	.6	14.5	19.1	—	—	.3	5.7	.2	—	(s)	(s)	6.3	(s)	26.7
2018 Year	2.0	.6	14.4	19.1	—	—	.2	5.8	.1	—	(s)	(s)	6.2	(s)	26.6
2019 Year	1.7	.5	14.8	19.2	—	—	.2	5.6	.1	—	.1	(s)	6.0	(s)	26.5
2020 Year	1.5	.5	15.3	19.3	—	—	.2	5.6	.1	—	.1	(s)	6.3	(s)	26.8
2021 Year	1.4	.5	16.1	19.6	—	—	.2	5.4	.1	—	.1	(s)	5.9	(s)	26.8
2023 Year	1.4	.5	16.3	19.7	—	—	.2	5.2	.1	—	.2	.1	5.9	(s)	26.8
2024 January	1.4	.5	16.4	19.6	—	—	.2	5.1	.1	—	.3	.1	5.7	(s)	26.6
February	1.4	.5	16.4	19.6	—	—	.2	5.1	.1	—	.3	.1	5.7	(s)	26.6
March	1.4	.5	16.4	19.6	—	—	.2	5.1	.1	—	.3	.1	5.8	(s)	26.6
April	1.4	.5	16.3	19.5	—	—	.2	5.1	.1	—	.3	.1	5.8	(s)	26.5
May	1.4	.5	16.3	19.5	—	—	.2	5.1	.1	—	.3	.1	5.8	(s)	26.5
June	1.4	.5	16.3	19.5	—	—	.2	5.1	.1	—	.3	.1	5.8	(s)	26.5
July	1.4	.5	16.3	19.5	—	—	.2	5.1	.1	—	.3	.1	5.8	(s)	26.5
August	1.4	.5	16.3	19.5	—	—	.2	5.1	.1	—	.3	.1	5.8	(s)	26.5
September	1.4	.5	16.3	19.5	—	—	.2	5.1	.1	—	.3	.1	5.8	(s)	26.5
October	1.4	.5	16.2	19.4	—	—	.2	5.0	.1	—	.3	.1	5.7	(s)	26.4
November	1.4	.5	16.2	19.4	—	—	.2	5.0	.1	—	.3	.1	5.7	(s)	26.4
December	1.4	.5	16.1	19.3	—	—	.2	5.1	.1	—	.3	.1	5.8	(s)	26.3
2025 January	1.4	.5	16.1	19.2	—	—	.2	5.1	.1	—	.3	.1	5.8	(s)	26.3
February	1.4	.5	16.1	19.2	—	—	.2	5.1	.1	—	.3	.1	5.8	(s)	26.3
March	1.4	.5	16.1	19.2	—	—	.2	5.1	.1	—	.3	.1	5.8	(s)	26.3
April	1.4	.5	16.1	19.3	—	—	.2	5.1	.1	—	.3	.1	5.8	(s)	26.4
May	1.4	.5	16.1	19.3	—	—	.2	5.1	.1	—	.3	.1	5.8	(s)	26.4
June	1.4	.5	16.1	19.3	—	—	.2	5.1	.1	—	.8	.1	6.3	(s)	26.8
July	1.4	.5	16.1	19.3	—	—	.2	5.0	.1	—	.8	.1	6.2	(s)	26.8
August	1.4	.5	16.1	19.3	—	—	.2	5.0	.1	—	.8	.1	6.2	(s)	26.8
September	1.4	.5	16.1	19.3	—	—	.2	5.0	.1	—	1.1	.1	6.4	(s)	27.0
October	1.4	.5	16.0	19.1	—	—	.2	5.0	.1	—	1.1	.1	6.4	(s)	26.9
November	1.4	.5	16.0	19.1	—	—	.2	5.0	.1	—	1.1	.1	6.4	(s)	26.8
December	1.4	.5	16.0	19.1	—	—	.2	5.0	.1	—	1.1	.1	6.4	(s)	27.0
2026 January	1.4	.5	16.0	19.1	—	—	.2	4.9	.1	—	1.2	.1	6.5	(s)	27.1
February	1.4	.5	15.8	19.1	—	—	.2	4.9	.1	—	1.2	.1	6.5	(s)	27.1
March	1.4	.5	15.8	19.1	—	—	.2	4.9	.1	—	1.2	.1	6.5	(s)	27.1
April	1.4	.5	15.8	19.0	—	—	.2	4.9	.1	—	1.2	.1	6.5	(s)	27.1
May	1.4	.5	15.8	19.1	—	—	.2	4.9	.1	—	1.2	.1	6.5	(s)	27.1

^a Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^b Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, and, beginning in 2011, propane.

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

^d Includes other fossil gases (blast furnace gas, other manufactured and waste gases derived from fossil fuels, and, through 2010, propane gas), which are not separately shown.

^e Wood and wood-derived fuels.

^f Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^g Electric net summer capacity from solar thermal and photovoltaic (PV) energy at utility-scale facilities. Does not include small-scale solar photovoltaic capacity.

^h Includes chemicals, hydrogen, pitch, purchased steam, sulfur, miscellaneous technologies, flywheels, and, beginning in 2001, non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels), which are not

separately shown.

—=No data reported. (s)=Less than 0.05 million kilowatts.

Notes: • Data are at end of period. • For plants that use multiple sources of energy, capacity is assigned to the energy source reported as the predominant one. • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • See "Net summer capacity" in Glossary. • See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of section. • 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/#electricity> (Excel and CSV files) for all available annual data beginning in 1989 and monthly data beginning in 2008.

Sources: • 1989–1997: U.S. Energy Information Administration (EIA), Form EIA-867, "Annual Nonutility Power Producer Report." • 1998–2000: EIA, Form EIA-860B, "Annual Electric Generator Report—Nonutility." • 2001–2007: EIA, Form EIA-860, "Annual Electric Generator Report." • 2008 forward: EIA, Form EIA-860, "Annual Electric Generator Report," and Form EIA-860M, "Monthly Update to the Annual Electric Generator Report."

Table 7.8a Capacity Factors and Usage Factors at Electric Generators: Total (All Sectors)
(Percent)

	Capacity Factors ^a											Usage Factors ^b		
	Coal ^{c,d}	Petro- leum ^{c,e}	Natural Gas ^f			Nuclear Electric Power ^g	Conven- tional Hydro- electric Power	Bio- mass ^{c,h}	Geo- thermal	Solar		Wind ⁱ	Hydro- electric Pumped Storage	Battery Storage
			Com- bined Cycle	Gas Turbine	Steam Turbine					Photo- voltaic ⁱ	Thermal			
2008 Average	72.4	9.7	40.3	7.6	12.1	91.1	37.1	64.0	74.3	19.2	19.5	31.7	—	—
2009 Average	64.2	9.3	43.9	6.8	10.9	90.3	39.6	62.9	73.0	20.0	23.6	28.1	—	—
2010 Average	67.1	8.4	44.3	7.8	11.1	91.1	37.5	62.5	71.6	20.2	24.5	29.7	—	—
2011 Average	62.8	7.4	44.3	7.9	11.7	89.1	45.8	61.4	71.5	19.0	23.9	32.1	—	—
2012 Average	56.2	7.6	52.2	8.9	13.3	86.6	39.6	62.1	68.3	20.4	23.6	31.8	—	—
2013 Average	59.4	6.6	48.8	8.3	11.2	90.8	38.8	60.3	71.8	24.5	17.4	32.4	9.8	7
2014 Average	60.5	6.7	48.6	8.3	10.3	91.7	37.2	61.0	72.0	25.6	18.3	34.0	10.2	1.7
2015 Average	54.3	6.7	55.8	9.8	11.3	92.3	35.7	60.5	71.9	25.5	21.7	32.2	10.2	3.6
2016 Average	52.8	5.9	55.4	11.0	12.3	92.3	38.2	59.9	71.6	25.0	22.1	34.5	11.2	3.8
2017 Average	53.1	6.3	51.2	9.6	10.7	92.3	43.0	60.8	73.2	25.6	21.8	34.6	11.4	6.8
2018 Average	53.6	6.6	55.1	11.9	12.6	92.5	41.9	61.1	76.0	25.1	23.6	34.6	10.8	5.2
2019 Average	47.5	5.5	57.4	11.4	14.1	93.4	41.2	60.3	69.6	24.3	21.2	34.4	10.4	5.4
2020 Average	40.5	5.2	57.1	11.6	14.2	92.4	40.7	59.5	69.1	24.2	20.6	35.3	10.5	5.2
2021 Average	49.1	5.5	55.0	11.7	12.5	92.8	36.0	61.1	69.8	24.4	20.5	34.4	10.2	6.1
2022 Average	48.4	5.4	56.6	12.9	15.6	92.7	36.3	58.7	69.0	24.4	23.1	35.9	11.1	6.4
2023 Average	42.4	4.1	59.7	12.9	17.4	93.0	35.0	55.8	69.4	23.2	22.1	33.2	10.9	6.6
2024 January	56.8	4.5	64.1	12.9	15.9	95.6	36.3	60.4	69.3	13.4	7.5	31.6	9.5	6.2
February	36.2	3.4	56.6	10.0	10.4	95.4	37.4	58.7	69.0	18.6	12.4	39.6	9.7	7.3
March	29.8	3.3	51.1	10.6	13.0	87.5	39.3	55.9	67.4	21.8	21.0	40.7	7.4	7.9
April	29.9	3.6	46.9	13.1	15.9	81.8	36.4	53.6	65.5	26.3	32.2	43.7	9.1	8.4
May	35.6	3.7	53.9	13.4	20.4	88.8	41.2	56.1	61.9	29.0	38.8	35.2	12.5	8.0
June	49.0	3.9	65.7	15.1	26.3	96.3	38.9	57.5	61.5	31.6	40.1	35.7	15.6	8.1
July	55.0	5.0	75.8	20.9	32.0	95.4	36.0	58.6	60.4	30.3	33.7	25.2	16.8	8.8
August	53.2	4.6	75.3	19.2	32.4	95.3	34.5	59.6	60.8	29.7	33.1	26.1	16.3	9.0
September	43.7	3.5	67.6	14.7	21.6	88.5	27.7	56.4	61.5	25.4	32.7	26.9	13.0	8.3
October	37.0	3.7	55.6	13.1	19.5	80.3	25.8	51.7	62.4	23.1	22.8	35.3	8.3	9.0
November	35.9	3.7	54.9	12.3	16.4	87.4	29.1	57.5	67.3	16.2	13.8	36.9	8.7	8.8
December	48.7	4.2	58.5	11.0	14.2	97.3	32.9	59.1	68.8	13.8	11.7	35.0	9.4	8.6
Average	42.6	3.9	60.5	13.9	19.9	90.8	34.6	57.1	64.6	23.2	25.0	34.3	11.4	8.3
2025 January	62.7	6.0	61.9	13.5	18.8	98.0	36.1	59.0	68.6	16.4	8.6	38.4	9.8	7.7
February	52.7	4.0	58.0	11.0	15.8	93.5	36.4	60.3	68.5	19.0	15.0	38.0	10.4	7.7
March	37.8	3.6	46.9	9.3	11.8	85.3	37.8	57.6	68.6	23.8	16.5	44.2	8.8	8.4
April	36.5	3.7	44.1	12.0	17.0	81.7	39.7	53.2	66.7	27.9	30.0	41.3	9.7	8.6
May	38.2	3.8	51.9	10.6	17.3	84.9	41.0	55.4	62.0	29.7	32.1	32.1	11.7	8.7
June	51.9	5.3	63.7	16.6	24.2	93.4	38.5	58.2	65.4	32.3	39.2	32.1	15.9	8.2
July	62.7	7.1	71.8	24.9	32.4	96.6	33.6	59.7	63.7	32.4	36.1	27.6	18.5	8.5
August	54.5	5.0	72.3	18.7	26.9	96.5	33.8	59.2	66.9	30.2	32.8	23.6	15.1	10.0
September	47.8	4.4	66.3	14.9	21.3	92.3	26.6	57.9	65.9	27.2	25.7	22.9	13.3	8.7
October	42.8	5.1	53.4	14.3	19.3	80.9	27.8	53.7	62.6	22.8	22.7	34.1	10.0	7.9
November	44.8	4.0	52.1	11.9	15.4	90.0	32.0	57.5	64.5	17.5	13.1	36.4	8.9	7.6
December	52.1	5.1	58.3	11.2	16.4	99.0	40.2	59.1	67.0	13.7	11.5	40.0	10.3	7.3
Average	48.7	4.8	58.4	14.1	19.8	91.0	35.3	57.6	65.9	24.4	23.6	34.2	11.9	8.3
2026 January	57.6	9.1	58.9	13.5	19.2	100.0	46.9	59.5	69.9	15.7	7.6	37.5	9.8	8.1
February	48.1	6.7	57.0	12.1	17.2	94.3	41.8	59.5	69.3	20.3	12.8	37.0	10.1	8.7
March	34.8	4.2	48.5	10.9	16.4	84.8	45.3	55.9	66.1	24.7	21.6	44.1	11.2	9.0
April	32.5	4.7	46.6	14.1	18.3	81.0	39.1	50.7	62.7	26.3	26.4	42.3	11.7	8.7
May	35.7	4.5	51.3	11.8	19.1	88.8	38.2	55.9	63.6	29.4	34.6	33.6	13.7	8.7

^a Capacity factors are a measure of how often electric generators operate over a specific period of time, using a ratio of actual output (net generation) to the maximum possible output over that same time period (using time-adjusted capacity).

^b Usage factors are a measure of how often electric generators operate over a specific period of time, using a ratio of actual output (gross generation) to the maximum possible output over that same time period (using time-adjusted capacity).

^c Steam turbine, gas turbine, internal combustion engine, combined-cycle, and other plants.

^d Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^e Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, and, beginning in 2011, propane.

^f Natural gas, plus a small amount of supplemental gaseous fuels. Capacity factors for natural gas internal combustion engine, energy storage, fuel cell, and other plants are not displayed.

^g See Table 8.1 for nuclear capacity factors for 1957–2007.

^h Wood and wood-derived fuels, municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through

2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

ⁱ Solar photovoltaic (PV) energy at utility-scale facilities. Does not include small-scale solar photovoltaic generators.

^j Onshore wind plants, and, beginning in 2017, offshore wind plants.

— = No data reported.

Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • Monthly factors are based on a time-adjusted total net summer capacity of generators in operation for the entire month. Annual factors are based on a time-weighted average of the monthly time-adjusted capacity. • For plants that use multiple energy sources or technologies, capacity is assigned to the reported combination of predominant energy source and technology. • See EIA's *Electric Power Annual*, "Technical notes," for further information. • See "Capacity factor" in Glossary. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#electricity> (Excel and CSV files) for all available annual and monthly data beginning in 2008.

Sources: U.S. Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report"; Form EIA-860M, "Monthly Update to the Annual Electric Generator Report"; and Form EIA-923, "Power Plant Operations Report."

Table 7.8b Capacity Factors and Usage Factors at Electric Generators: Electric Power Sector (Percent)

	Capacity Factors ^a											Usage Factors ^b		
	Coal ^{c,d}	Petro- leum ^{c,e}	Natural Gas ^f			Nuclear Electric Power ^g	Conven- tional Hydro- electric Power	Bio- mass ^{c,h}	Geo- thermal	Solar		Wind ⁱ	Hydro- electric Pumped Storage	Battery Storage
			Combined Cycle	Gas Turbine	Steam Turbine					Photo- voltaic ^j	Thermal			
2008 Average	72.6	9.4	39.5	5.2	11.6	91.1	37.0	65.5	74.3	19.7	19.5	31.7	—	—
2009 Average	64.4	9.1	43.5	4.4	10.4	90.3	39.5	64.6	73.0	20.3	23.6	28.1	—	—
2010 Average	67.3	8.1	43.5	5.2	10.6	91.1	37.5	63.4	71.6	20.3	24.5	29.8	—	—
2011 Average	62.9	7.1	43.6	5.1	11.2	89.1	45.7	62.5	71.5	19.0	23.9	32.1	—	—
2012 Average	56.4	7.1	51.7	6.0	12.7	86.6	39.5	63.4	68.3	20.4	23.6	31.8	—	—
2013 Average	59.5	6.3	48.0	5.0	10.4	90.8	38.6	60.0	71.8	24.7	17.4	32.4	9.8	7
2014 Average	60.7	6.4	48.0	5.2	9.5	91.7	37.1	61.5	72.0	25.8	18.3	34.0	10.2	1.7
2015 Average	54.3	6.3	55.5	6.8	10.8	92.3	35.6	59.5	71.9	25.7	21.7	32.2	10.2	3.6
2016 Average	52.9	5.6	54.9	8.2	11.6	92.3	38.1	59.2	71.6	25.1	22.1	34.5	11.2	3.8
2017 Average	53.2	6.1	50.6	6.6	10.1	92.3	43.0	60.2	73.2	25.7	21.8	34.6	11.4	6.9
2018 Average	53.7	6.4	54.6	9.0	11.9	92.5	41.8	60.2	76.0	25.2	23.6	34.6	10.8	5.3
2019 Average	47.5	5.3	57.0	8.3	13.2	93.4	41.1	59.5	68.9	24.4	21.2	34.4	10.4	5.5
2020 Average	40.5	5.0	56.8	8.3	13.3	92.4	40.7	58.9	68.4	24.3	20.6	35.3	10.5	5.2
2021 Average	49.2	5.4	54.8	8.3	11.4	92.8	35.9	61.8	69.5	24.4	20.5	34.4	10.2	6.2
2022 Average	48.5	5.2	56.3	9.7	14.7	92.7	36.3	58.0	69.0	24.4	23.1	36.0	11.1	6.5
2023 Average	42.5	4.0	59.5	9.6	16.6	93.0	34.9	55.7	69.4	23.3	22.1	33.2	10.9	6.7
2024 January	57.0	4.5	64.0	9.6	14.7	95.6	36.2	58.5	69.3	13.5	7.5	31.6	9.5	6.2
February	36.2	3.2	56.3	6.9	9.1	95.4	37.3	55.7	69.0	18.7	12.4	39.6	9.7	7.3
March	29.7	3.2	50.8	7.8	11.7	87.5	39.2	52.2	67.4	21.8	21.0	40.7	7.4	7.9
April	29.9	3.5	46.5	10.3	14.9	81.8	36.3	47.3	65.5	26.3	32.2	43.7	9.1	8.4
May	35.6	3.7	53.7	10.5	19.5	88.8	41.1	52.2	61.9	29.0	38.8	35.2	12.5	8.1
June	49.1	3.9	65.9	12.1	25.5	96.3	38.9	55.8	61.5	31.6	40.1	35.7	15.6	8.1
July	55.1	4.9	76.1	17.9	31.5	95.4	36.0	56.7	60.4	30.3	33.7	25.2	16.8	8.8
August	53.3	4.5	75.4	16.1	32.0	95.3	34.5	58.7	60.8	29.7	33.1	26.1	16.3	9.0
September	43.8	3.4	67.7	11.6	20.9	88.5	27.7	54.5	61.5	25.5	32.7	26.9	13.0	8.4
October	37.1	3.6	55.6	10.3	18.9	80.3	25.8	47.0	62.4	23.1	22.8	35.3	8.3	9.0
November	35.8	3.6	54.7	9.3	15.6	87.4	29.1	52.4	67.3	16.3	13.8	36.9	8.7	8.8
December	48.7	4.1	58.3	7.6	13.0	97.3	32.8	56.3	68.8	13.8	11.7	35.0	9.4	8.6
Average	42.7	3.8	60.4	10.9	19.0	90.8	34.6	54.0	64.6	23.3	25.0	34.3	11.4	8.3
2025 January	62.8	6.0	61.7	10.1	17.8	98.0	36.0	57.7	68.6	16.4	8.6	38.4	9.8	7.7
February	52.8	4.0	57.8	7.6	14.8	93.5	36.4	58.6	68.5	19.0	15.0	38.0	10.4	7.7
March	37.8	3.4	46.3	6.0	10.6	85.3	37.7	56.2	68.6	23.8	16.5	44.2	8.8	8.5
April	36.5	3.6	43.5	9.2	16.0	81.7	39.7	48.8	66.7	27.9	30.0	41.4	9.7	8.6
May	38.2	3.7	51.6	7.8	16.5	84.9	40.9	53.9	62.0	29.7	32.1	32.1	11.7	8.7
June	52.0	5.2	63.6	13.8	23.5	93.4	38.5	58.0	65.4	32.3	39.2	32.2	15.9	8.2
July	62.9	7.2	71.9	22.4	31.9	96.6	33.6	58.9	63.7	32.4	36.1	27.6	18.5	8.6
August	54.6	4.9	72.4	15.8	26.3	96.5	33.8	58.3	66.9	30.2	32.8	23.6	15.1	10.1
September	47.9	4.3	66.3	11.9	20.5	92.3	26.5	57.1	65.9	27.3	25.7	22.9	13.3	8.7
October	42.9	5.1	53.1	11.5	18.6	80.9	27.8	48.9	62.6	22.8	22.7	34.1	10.0	7.9
November	44.9	3.9	51.6	8.9	14.4	90.0	32.0	55.2	64.5	17.5	13.1	36.4	8.9	7.6
December	52.3	5.2	57.9	8.0	15.4	99.0	40.2	58.9	67.0	13.7	11.5	40.0	10.3	7.4
Average	48.8	4.7	58.2	11.1	18.9	91.0	35.3	55.9	65.9	24.4	23.6	34.2	11.9	8.3
2026 January	57.8	9.2	58.6	10.5	18.3	100.0	46.9	58.9	69.9	15.7	7.6	37.5	9.8	8.1
February	48.2	6.7	56.7	9.2	16.4	94.3	41.8	63.0	69.3	20.3	12.8	37.1	10.1	8.7
March	34.8	4.2	48.1	8.1	15.6	84.8	45.2	57.1	66.1	24.8	21.6	44.1	11.2	9.0
April	32.6	4.6	46.1	11.5	17.6	81.0	39.0	50.0	62.7	26.4	26.4	42.3	11.7	8.7
May	35.7	4.4	50.9	9.2	18.5	88.8	38.2	58.2	63.6	29.5	34.6	33.6	13.7	8.8

^a Capacity factors are a measure of how often electric generators operate over a specific period of time, using a ratio of actual output (net generation) to the maximum possible output over that same time period (using time-adjusted capacity).

^b Usage factors are a measure of how often electric generators operate over a specific period of time, using a ratio of actual output (gross generation) to the maximum possible output over that same time period (using time-adjusted capacity).

^c Steam turbine, gas turbine, internal combustion engine, combined-cycle, and other plants.

^d Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^e Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, and, beginning in 2011, propane.

^f Natural gas, plus a small amount of supplemental gaseous fuels. Capacity factors for natural gas internal combustion engine, energy storage, fuel cell, and other plants are not displayed.

^g See Table 8.1 for nuclear capacity factors for 1957–2007.

^h Wood and wood-derived fuels, municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic

sources, and tire-derived fuels).

ⁱ Solar photovoltaic (PV) energy at utility-scale facilities. Does not include small-scale solar photovoltaic generators.

^j Onshore wind plants, and, beginning in 2017, offshore wind plants.

— = No data reported.

Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • Monthly factors are based on a time-adjusted total net summer capacity of generators in operation for the entire month. Annual factors are based on a time-weighted average of the monthly time-adjusted capacity.

• For plants that use multiple energy sources or technologies, capacity is assigned to the reported combination of predominant energy source and technology. • See EIA's *Electric Power Annual*, "Technical notes," for further information. • See "Capacity factor" in Glossary. • The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#electricity> (Excel and CSV files) for all available annual and monthly data beginning in 2008.

Sources: U.S. Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report"; Form EIA-860M, "Monthly Update to the Annual Electric Generator Report"; and Form EIA-923, "Power Plant Operations Report."

Table 7.8c Capacity Factors and Usage Factors at Electric Generators: Commercial Sector
(Percent)

	Capacity Factors ^a											Usage Factors ^b		
	Coal ^{c,d}	Petro- leum ^{c,e}	Natural Gas ^f			Nuclear Electric Power	Conven- tional Hydro- electric Power	Bio- mass ^{c,g}	Geo- thermal	Solar		Wind ⁱ	Hydro- electric Pumped Storage	Battery Storage
			Com- bined Cycle	Gas Turbine	Steam Turbine					Photo- voltaic ^h	Thermal			
2008 Average	36.5	3.6	52.2	43.9	36.8	—	31.6	56.2	—	9.9	—	—	—	—
2009 Average	28.1	3.6	53.6	43.1	33.6	—	38.0	57.3	—	4.8	—	2.0	—	—
2010 Average	34.5	3.2	54.6	53.8	32.2	—	42.7	55.7	—	11.1	—	17.6	—	—
2011 Average	32.1	2.3	50.9	58.8	33.4	—	17.0	60.1	—	18.7	—	24.2	—	—
2012 Average	31.8	1.9	54.5	52.2	26.7	—	17.0	60.0	—	19.5	—	21.1	—	—
2013 Average	31.7	1.9	52.8	51.9	33.7	—	28.2	60.3	—	20.6	—	22.4	—	—
2014 Average	30.2	2.4	48.6	55.1	31.5	—	20.5	57.4	—	19.9	—	25.5	—	—
2015 Average	35.0	2.6	51.7	53.2	28.6	—	18.6	56.0	—	18.7	—	24.4	—	—
2016 Average	29.4	1.5	53.3	49.7	32.1	—	33.3	52.5	—	20.5	—	26.3	—	4.8
2017 Average	29.8	1.3	53.4	54.0	29.5	—	36.5	52.2	—	19.5	—	26.8	—	5.4
2018 Average	31.4	.7	51.5	56.2	32.0	—	34.7	50.1	—	18.7	—	27.5	—	5.2
2019 Average	30.2	.7	51.0	52.6	35.1	—	28.7	52.3	—	18.2	—	27.8	—	1.0
2020 Average	27.4	.4	43.3	50.1	32.2	—	32.8	52.0	—	17.4	—	28.3	—	4.4
2021 Average	30.8	.4	40.7	54.2	25.5	—	34.1	49.3	—	17.0	—	28.3	—	.7
2022 Average	29.7	.6	44.6	55.1	24.5	—	34.7	60.8	—	17.4	—	28.1	—	1.1
2023 Average	38.7	.3	46.1	54.3	22.7	—	38.2	57.3	—	15.8	—	21.4	—	.8
2024 January	44.9	.6	45.0	53.9	25.6	—	46.1	61.2	—	7.2	—	19.6	—	3.5
February	43.3	.3	46.2	49.9	24.7	—	46.6	57.1	—	11.3	—	21.4	—	3.3
March	43.1	.4	42.7	44.7	24.2	—	47.8	53.7	—	15.2	—	26.5	—	3.3
April	38.5	.3	42.0	42.3	21.3	—	48.2	55.0	—	18.4	—	32.8	—	4.2
May	19.2	.2	42.5	41.4	18.6	—	48.8	59.5	—	20.3	—	25.1	—	4.4
June	28.2	.2	51.3	49.2	20.6	—	36.9	58.9	—	21.5	—	23.5	—	5.1
July	32.8	.2	54.8	59.7	23.5	—	36.9	59.7	—	19.8	—	16.2	—	5.5
August	40.3	.2	54.3	55.0	23.2	—	35.9	60.3	—	19.0	—	16.1	—	4.5
September	37.9	.2	51.5	46.2	22.3	—	31.3	58.1	—	15.6	—	17.8	—	4.7
October	35.7	.2	42.5	44.2	18.8	—	34.6	57.0	—	14.3	—	18.1	—	5.5
November	42.2	.3	42.0	46.5	23.6	—	38.5	58.4	—	9.8	—	21.1	—	4.1
December	42.5	.8	41.5	46.9	25.9	—	41.7	58.5	—	7.6	—	25.2	—	3.2
Average	37.4	.3	46.3	48.4	22.7	—	41.1	58.1	—	15.0	—	21.9	—	4.3
2025 January	40.4	.4	45.1	50.1	29.1	—	49.1	57.4	—	11.5	—	26.9	—	.4
February	38.3	.3	40.9	50.1	27.3	—	44.5	61.2	—	13.1	—	23.7	—	.3
March	30.3	.3	40.3	47.4	22.5	—	42.6	57.3	—	18.1	—	26.6	—	.2
April	34.1	.3	38.0	39.5	18.8	—	54.5	56.2	—	20.6	—	25.5	—	—
May	42.5	.3	35.7	40.3	18.7	—	50.9	52.5	—	20.8	—	20.0	—	—
June	23.6	.5	49.3	49.1	22.6	—	48.2	57.5	—	23.6	—	16.9	—	.2
July	39.0	.7	51.9	54.3	28.9	—	41.4	57.8	—	23.7	—	14.8	—	.3
August	33.8	.3	51.9	52.6	25.6	—	45.6	59.3	—	22.6	—	15.9	—	—
September	41.0	.3	51.0	49.0	23.6	—	31.6	55.9	—	20.7	—	16.1	—	—
October	40.7	.6	48.4	42.3	25.4	—	34.9	59.0	—	16.9	—	28.7	—	—
November	40.0	.3	46.5	51.2	25.2	—	42.9	59.3	—	14.4	—	29.3	—	—
December	36.6	.3	45.5	50.9	26.2	—	54.2	58.7	—	10.1	—	32.3	—	—
Average	36.7	.4	45.4	48.1	24.5	—	45.1	57.7	—	18.0	—	23.1	—	.1
2026 January	30.7	.5	47.6	52.9	30.1	—	67.6	53.8	—	11.7	—	31.2	—	—
February	25.5	.4	47.4	50.4	32.2	—	57.2	49.2	—	15.0	—	27.8	—	—
March	21.0	.4	46.2	49.1	24.8	—	59.0	52.4	—	18.7	—	34.1	—	—
April	21.8	.3	41.5	43.1	21.8	—	55.9	46.3	—	21.7	—	32.7	—	—
May	22.5	.3	41.7	42.6	21.5	—	55.7	49.3	—	22.9	—	25.3	—	—

^a Capacity factors are a measure of how often electric generators operate over a specific period of time, using a ratio of actual output (net generation) to the maximum possible output over that same time period (using time-adjusted capacity).

^b Usage factors are a measure of how often electric generators operate over a specific period of time, using a ratio of actual output (gross generation) to the maximum possible output over that same time period (using time-adjusted capacity).

^c Steam turbine, gas turbine, internal combustion engine, combined-cycle, and other plants.

^d Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^e Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, and, beginning in 2011, propane.

^f Natural gas, plus a small amount of supplemental gaseous fuels. Capacity factors for natural gas internal combustion engine, energy storage, fuel cell, and other plants are not displayed.

^g Wood and wood-derived fuels, municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic

sources, and tire-derived fuels).

^h Solar photovoltaic (PV) energy at utility-scale facilities. Does not include small-scale solar photovoltaic generators.

ⁱ Onshore wind plants, and, beginning in 2017, offshore wind plants.

— = No data reported.

Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • Monthly factors are based on a time-adjusted total net summer capacity of generators in operation for the entire month. Annual factors are based on a time-weighted average of the monthly time-adjusted capacity. • For plants that use multiple energy sources or technologies, capacity is assigned to the reported combination of predominant energy source and technology. • See EIA's *Electric Power Annual*, "Technical notes," for further information. • See "Capacity factor" in Glossary. • See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of section. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#electricity> (Excel and CSV files) for all available annual and monthly data beginning in 2008.

Sources: U.S. Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report"; Form EIA-860M, "Monthly Update to the Annual Electric Generator Report"; and Form EIA-923, "Power Plant Operations Report."

Table 7.8d Capacity Factors and Usage Factors at Electric Generators: Industrial Sector
(Percent)

	Capacity Factors ^a											Usage Factors ^b		
	Coal ^{c,d}	Petro- leum ^{c,e}	Natural Gas ^f			Nuclear Electric Power	Conven- tional Hydro- electric Power	Bio- mass ^{c,g}	Geo- thermal	Solar		Wind ⁱ	Hydro- electric Pumped Storage	Battery Storage
			Com- bined Cycle	Gas Turbine	Steam Turbine					Photo- voltaic ^h	Thermal			
2008 Average	51.8	32.6	55.2	53.1	45.2	—	54.9	63.1	—	—	—	—	—	—
2009 Average	46.6	33.4	52.9	54.3	46.9	—	61.6	61.7	—	—	—	—	—	—
2010 Average	54.3	33.9	62.4	69.6	54.3	—	55.9	62.2	—	19.3	—	—	—	—
2011 Average	50.6	29.5	61.1	69.7	56.8	—	61.0	60.2	—	30.3	—	11.6	—	—
2012 Average	48.8	38.2	64.5	71.0	57.0	—	43.4	60.9	—	25.2	—	15.3	—	—
2013 Average	49.8	30.0	70.7	75.1	50.2	—	61.1	60.7	—	25.6	—	25.6	—	—
2014 Average	49.9	27.5	67.5	71.0	48.8	—	52.4	60.9	—	24.3	—	26.4	—	—
2015 Average	48.2	28.1	66.1	72.7	41.2	—	57.6	62.2	—	20.6	—	25.1	—	—
2016 Average	46.3	25.2	69.7	73.0	40.3	—	51.4	61.7	—	16.7	—	25.3	—	—
2017 Average	46.7	24.4	68.9	74.9	37.7	—	55.9	62.7	—	14.8	—	27.0	—	.9
2018 Average	45.6	26.2	71.8	75.3	40.8	—	62.8	63.6	—	12.1	—	25.8	—	.8
2019 Average	41.6	26.3	73.4	75.9	44.2	—	55.0	62.2	—	17.2	—	25.3	—	15.3
2020 Average	41.9	23.2	67.0	74.5	44.0	—	53.2	61.2	—	16.3	—	39.7	—	2.4
2021 Average	42.0	19.6	63.8	74.1	45.1	—	49.9	62.1	—	16.3	—	23.2	—	.4
2022 Average	42.0	26.3	67.0	73.2	41.7	—	49.1	59.0	—	19.9	—	26.2	—	2.6
2023 Average	37.4	14.8	65.9	74.3	44.0	—	46.3	55.6	—	20.7	—	22.7	—	4.1
2024 January	37.3	17.6	71.2	78.8	50.3	—	58.9	62.0	—	11.4	—	23.7	—	.9
February	37.5	19.1	69.4	70.3	49.8	—	64.1	61.9	—	16.8	—	12.3	—	1.0
March	37.7	17.9	63.1	65.8	50.6	—	59.6	60.1	—	20.8	—	15.2	—	1.1
April	31.8	16.2	64.4	68.9	47.0	—	61.7	59.2	—	25.5	—	18.1	—	.9
May	36.1	15.0	60.9	71.0	46.7	—	57.1	59.0	—	29.5	—	16.9	—	.8
June	38.4	16.0	61.2	74.2	51.0	—	40.4	58.8	—	30.4	—	17.9	—	.7
July	39.2	18.6	64.8	80.2	48.2	—	32.4	60.2	—	28.3	—	12.5	—	.7
August	38.0	14.5	71.9	80.8	47.1	—	34.0	60.2	—	27.2	—	12.3	—	.2
September	36.7	13.8	65.1	76.4	42.5	—	25.0	57.7	—	24.3	—	15.8	—	.9
October	36.2	14.8	56.2	68.3	38.0	—	41.5	54.7	—	19.9	—	21.1	—	.7
November	38.7	15.1	62.6	71.1	38.5	—	35.1	62.1	—	14.5	—	27.8	—	.7
December	41.4	16.4	67.6	78.0	46.9	—	42.2	62.0	—	11.1	—	30.2	—	.5
Average	37.4	16.2	64.9	73.7	46.4	—	46.0	59.8	—	21.6	—	19.1	—	.8
2025 January	40.6	21.8	71.7	82.7	46.7	—	44.8	60.7	—	15.6	—	26.4	—	—
February	40.0	13.9	67.9	77.4	47.1	—	46.7	61.7	—	18.0	—	25.6	—	—
March	38.6	19.4	67.8	73.6	46.2	—	51.1	59.1	—	22.6	—	31.7	—	—
April	34.9	16.5	66.0	68.5	46.5	—	47.5	56.6	—	26.8	—	28.6	—	—
May	33.3	17.8	66.7	66.8	43.2	—	52.0	57.6	—	28.2	—	23.9	—	—
June	40.9	20.2	67.9	70.7	46.1	—	48.5	58.6	—	31.0	—	24.7	—	—
July	41.0	13.5	68.7	75.1	49.6	—	45.4	61.0	—	31.9	—	20.4	—	—
August	39.3	22.3	69.8	76.5	46.0	—	42.4	59.9	—	29.8	—	17.4	—	—
September	36.6	16.5	68.3	76.5	45.1	—	37.6	59.2	—	26.9	—	15.4	—	—
October	36.7	17.4	65.9	72.1	43.1	—	36.9	57.0	—	23.4	—	22.1	—	—
November	36.0	17.0	72.7	73.9	45.3	—	40.2	59.2	—	18.3	—	26.5	—	—
December	34.8	14.1	73.4	76.4	46.1	—	41.5	59.3	—	14.0	—	29.9	—	—
Average	37.7	17.6	68.9	74.2	45.9	—	44.5	59.1	—	23.5	—	24.4	—	—
2026 January	37.4	19.5	72.4	74.2	45.9	—	48.9	61.6	—	16.8	—	27.1	—	—
February	37.9	19.9	68.6	72.3	42.6	—	42.8	59.0	—	20.4	—	25.3	—	7.4
March	35.6	15.2	64.6	69.3	40.7	—	53.7	55.7	—	24.0	—	33.2	—	5.7
April	31.7	20.1	65.8	68.8	42.5	—	45.9	52.4	—	24.3	—	31.1	—	7.3
May	32.8	20.9	66.9	67.4	40.0	—	46.3	55.4	—	26.1	—	25.0	—	6.4

^a Capacity factors are a measure of how often electric generators operate over a specific period of time, using a ratio of actual output (net generation) to the maximum possible output over that same time period (using time-adjusted capacity).

^b Usage factors are a measure of how often electric generators operate over a specific period of time, using a ratio of actual output (gross generation) to the maximum possible output over that same time period (using time-adjusted capacity).

^c Steam turbine, gas turbine, internal combustion engine, combined-cycle, and other plants.

^d Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and coal synfuel.

^e Distillate fuel oil, residual fuel oil, petroleum coke, jet fuel, kerosene, other petroleum, waste oil, and, beginning in 2011, propane.

^f Natural gas, plus a small amount of supplemental gaseous fuels. Capacity factors for natural gas internal combustion engine, energy storage, fuel cell, and other plants are not displayed.

^g Wood and wood-derived fuels, municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic

sources, and tire-derived fuels).

^h Solar photovoltaic (PV) energy at utility-scale facilities. Does not include small-scale solar photovoltaic generators.

ⁱ Onshore wind plants, and, beginning in 2017, offshore wind plants.

— = No data reported.

Notes: • Data are for utility-scale facilities. See Note 1, "Coverage of Electricity Statistics," at end of section. • Monthly factors are based on a time-adjusted total net summer capacity of generators in operation for the entire month. Annual factors are based on a time-weighted average of the monthly time-adjusted capacity. • For plants that use multiple energy sources or technologies, capacity is assigned to the reported combination of predominant energy source and technology. • See EIA's *Electric Power Annual*, "Technical notes," for further information. • See "Capacity factor" in Glossary. • See Note 2, "Classification of Power Plants Into Energy-Use Sectors," at end of section. • Geographic coverage is the 50 states and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#electricity> (Excel and CSV files) for all available annual and monthly data beginning in 2008.

Sources: U.S. Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report"; Form EIA-860M, "Monthly Update to the Annual Electric Generator Report"; and Form EIA-923, "Power Plant Operations Report."

Note 1. Coverage of Electricity Statistics. Data in Section 7 cover the following:

Through 1984, data for electric utilities also include institutions (such as universities) and military facilities that generated electricity primarily for their own use; beginning in 1985, data for electric utilities exclude institutions and military facilities. Beginning in 1989, data for the commercial sector include institutions and military facilities.

The generation, consumption, and stocks data in Section 7 are for utility-scale facilities—those with a combined generation nameplate capacity of 1 megawatt or more. Data exclude small-scale facilities—those with a combined generator nameplate capacity of less than 1 megawatt. For data on small-scale solar photovoltaic (PV) generation in the residential, commercial, and industrial sectors, see Table 10.6.

Note 2. Classification of Power Plants into Energy-Use Sectors. The U.S. Energy Information Administration (EIA) classifies power plants (both electricity-only and combined-heat-and-power plants) into energy-use sectors based on the North American Industry Classification System (NAICS), which replaced the Standard Industrial Classification (SIC) system in 1997. Plants with a NAICS code of 22 are assigned to the Electric Power Sector. Those with NAICS codes beginning with 11 (agriculture, forestry, fishing, and hunting); 21 (mining, including oil and gas extraction); 23 (construction); 31–33 (manufacturing); 2212 (natural gas distribution); and 22131 (water supply and irrigation systems) are assigned to the Industrial Sector. Those with all other codes are assigned to the Commercial Sector. Form EIA-860, "Annual Electric Generator Report," asks respondents to indicate the primary purpose of the facility by assigning a NAICS code from the list at http://www.eia.gov/survey/form/eia_860/instructions.pdf.

Note 3. Electricity Forecast Values. Data values preceded by "F" in this section are forecast values. They are derived from EIA's Short-Term Integrated Forecasting System (STIFS). STIFS is driven primarily by data and assumptions about key macroeconomic variables, energy prices, and weather. The electricity forecast relies on additional variables such as alternative fuel prices (natural gas and oil) and power generation by sources other than fossil fuels, including nuclear, renewables, and hydroelectric power. Each month, EIA staff review the model output and make adjustments, if appropriate, based on their knowledge of developments in the electricity industry.

The STIFS model results are published monthly in EIA's Short-Term Energy Outlook, which is accessible on the Web at <http://www.eia.gov/forecasts/steo/>.

Note 4. Experimental Estimates of Electric Vehicle Use. These are experimental estimates of on-road light-duty electric vehicle (EV) electricity consumption to operate and move the vehicle. These estimates are based on models and are subject to model error. The electricity consumed by light-duty EVs is not identified as a separate class of service by electric utilities. Instead, the electricity consumption by light-duty EVs is accounted for based on the location of where the vehicle is charged. This results in electric utilities reporting light-duty EV consumption as part of the Residential, Commercial, and Industrial Sales to Ultimate Customers. Estimates are for light-duty Battery Electric Vehicles and Plug-in Hybrid Electric Vehicles that weigh less than or equal to 8,500 pounds. Estimates exclude plug-in hybrid motor gasoline consumption, on-road medium- and heavy-duty EVs, and off-road EVs such as golf carts and forklifts. For more information, see the detailed estimation methodology at <https://www.eia.gov/electricity/monthly/pdf/technotes-appendix-d.pdf>.

Table 7.1 Sources

Net Generation, Electric Power Sector

1949 forward: Table 7.2b.

Net Generation, Commercial and Industrial Sectors

1949 forward: Table 7.2c.

Trade

1949–September 1977: Unpublished Federal Power Commission data.

October 1977–1980: Unpublished Economic Regulatory Administration (ERA) data.

1981: U.S. Department of Energy (DOE), Office of Energy Emergency Operations, "Report on Electric Energy Exchanges with Canada and Mexico for Calendar Year 1981," April 1982 (revised June 1982).

1982 and 1983: DOE, ERA, *Electricity Exchanges Across International Borders*.

1984–1986: DOE, ERA, *Electricity Transactions Across International Borders*.

1987 and 1988: DOE, ERA, Form ERA-781R, "Annual Report of International Electrical Export/Import Data."

1989: DOE, Fossil Energy, Form FE-781R, "Annual Report of International Electrical Export/Import Data."

1990–2000: National Energy Board of Canada; and DOE, Office of Electricity Delivery and Energy Reliability, Form FE-781R, "Annual Report of International Electrical Export/Import Data."

2001–May 2011: National Energy Board of Canada; DOE, Office of Electricity Delivery and Energy Reliability, Form OE-781R, "Monthly Electricity Imports and Exports Report," and predecessor form; and California Independent System Operator.

June 2011–2015: National Energy Board of Canada; California Independent System Operator; and EIA estimates for Texas transfers.

2016 forward: EIA, Form EIA-111, "Quarterly Electricity Imports and Exports Report"; and for forecast values, EIA Short-Term Integrated Forecasting System (STIFS).

T&D Losses and Unaccounted for

1949 forward: Calculated as the sum of total net generation and imports minus end use and exports.

End Use

1949 forward: Table 7.6.

Table 7.2b Sources

1949–September 1977: Federal Power Commission, Form FPC-4, "Monthly Power Plant Report."

October 1977–1981: Federal Energy Regulatory Commission, Form FPC-4, "Monthly Power Plant Report."

1982–1988: U.S. Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report."

1989–1997: EIA, Form EIA-759, "Monthly Power Plant Report," and Form EIA-867, "Annual Nonutility Power Producer Report."

1998–2000: EIA, Form EIA-759, "Monthly Power Plant Report," and Form EIA-860B, "Annual Electric Generator Report—Nonutility."

2001–2003: EIA, Form EIA-906, "Power Plant Report."

2004–2007: EIA, Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report."

2008 forward: EIA, Form EIA-923, "Power Plant Operations Report".

Table 7.2c Sources

Industrial Sector, Hydroelectric Power, 1949–1988

1949–September 1977: Federal Power Commission (FPC), Form FPC-4, "Monthly Power Plant Report," for plants with generating capacity exceeding 10 megawatts, and FPC, Form FPC-12C, "Industrial Electric Generating Capacity," for all other plants.

October 1977–1978: Federal Energy Regulatory Commission (FERC), Form FPC-4, "Monthly Power Plant Report," for plants with generating capacity exceeding 10 megawatts, and FERC, Form FPC-12C, "Industrial Electric Generating Capacity," for all other plants.

1979: FERC, Form FPC-4, "Monthly Power Plant Report," for plants with generating capacity exceeding 10 megawatts, and U.S. Energy Information Administration (EIA) estimates for all other plants.

1980–1988: Estimated by EIA as the average generation over the 6-year period of 1974–1979.

All Data, 1989 Forward

1989–1997: EIA, Form EIA-867, "Annual Nonutility Power Producer Report."

1998–2000: EIA, Form EIA-860B, "Annual Electric Generator Report—Nonutility."

2001–2003: EIA, Form EIA-906, "Power Plant Report."

2004–2007: EIA, Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report."

2008 forward: EIA, Form EIA-923, "Power Plant Operations Report".

Table 7.3b Sources

1949–September 1977: Federal Power Commission, Form FPC-4, "Monthly Power Plant Report."

October 1977–1981: Federal Energy Regulatory Commission, Form FPC-4, "Monthly Power Plant Report."

1982–1988: U.S. Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report."

1989–1997: EIA, Form EIA-759, "Monthly Power Plant Report," and Form EIA-867, "Annual Nonutility Power Producer Report."

1998–2000: EIA, Form EIA-759, "Monthly Power Plant Report," and Form EIA-860B, "Annual Electric Generator Report—Nonutility."

2001–2003: EIA, Form EIA-906, "Power Plant Report."

2004–2007: EIA, Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report."

2008 forward: EIA, Form EIA-923, "Power Plant Operations Report".

Table 7.4b Sources

1949–September 1977: Federal Power Commission, Form FPC-4, "Monthly Power Plant Report."

October 1977–1981: Federal Energy Regulatory Commission, Form FPC-4, "Monthly Power Plant Report."

1982–1988: U.S. Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report."

1989–1997: EIA, Form EIA-759, "Monthly Power Plant Report," and Form EIA-867, "Annual Nonutility Power Producer Report."

1998–2000: EIA, Form EIA-759, "Monthly Power Plant Report," and Form EIA-860B, "Annual Electric Generator Report—Nonutility."

2001–2003: EIA, Form EIA-906, "Power Plant Report."

2004–2007: EIA, Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report."

2008 forward: EIA, Form EIA-923, "Power Plant Operations Report".

Table 7.6 Sources

Sales to Ultimate Customers, Residential and Industrial

1949–September 1977: Federal Power Commission, Form FPC-5, "Monthly Statement of Electric Operating Revenue and Income."

October 1977–February 1980: Federal Energy Regulatory Commission (FERC), Form FPC-5, "Monthly Statement of Electric Operating Revenue and Income."

March 1980–1982: FERC, Form FPC-5, "Electric Utility Company Monthly Statement."

1983: U.S. Energy Information Administration (EIA), Form EIA-826, "Electric Utility Company Monthly Statement."

1984–2003: EIA, Form EIA-861, "Annual Electric Utility Report."

2004 forward: EIA, *Electric Power Monthly (EPM)*, July 2026, Table 5.1.

Sales to Ultimate Customers, Commercial

1949–2002: Data are estimates. See estimation methodology at http://www.eia.gov/state/seds/sep_use/notes/use_elec.pdf.

2003: EIA, Form EIA-861, "Annual Electric Utility Report."

2004 forward: EIA, EPM, July 2026, Table 5.1.

Sales to Ultimate Customers, Transportation

1949–2002: Data are estimates. See estimation methodology at http://www.eia.gov/state/seds/sep_use/notes/use_elec.pdf.

2003: EIA, Form EIA-861, "Annual Electric Utility Report."

2004 forward: EIA, EPM, July 2026, Table 5.1.

Direct Use, Annual

1989–1997: EIA, Form EIA-867, "Annual Nonutility Power Producer Report."

1998–2000: EIA, Form EIA-860B, "Annual Electric Generator Report—Nonutility."

2001–2024: EIA, *Electric Power Annual 2024*, October 2025, Table 2.2.

Direct Use, Monthly

1989 forward: Annual shares are calculated as annual direct use divided by annual commercial and industrial net generation (on Table 7.1). Then monthly direct use estimates are calculated as the annual share multiplied by the monthly commercial and industrial net generation values. For 2025 and 2026, the 2024 annual share is used.

Electric Vehicle Use

2018 forward: EIA, EPM, July 2026, Table D1.

Table 7.7b Sources

Net Summer Capacity, Nuclear Power

1949 forward: Table 8.1.

All Other Data

1949–1984: U.S. Energy Information Administration (EIA) estimates.

1985–1988: EIA, Form EIA-860, "Annual Electric Generator Report."

1989–1997: EIA, Form EIA-860, "Annual Electric Generator Report," and Form EIA-867, "Annual Nonutility Power Producer Report."

1998–2000: EIA, Form EIA-860A, "Annual Electric Generator Report–Utility," and Form EIA-860B, "Annual Electric Generator Report–Nonutility."

2001–2007: EIA, Form EIA-860, "Annual Electric Generator Report."

2008 forward: EIA, Form EIA-860, "Annual Electric Generator Report," and Form EIA-860M, "Monthly Update to the Annual Electric Generator Report."