

Electric Power Annual 2009

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Table 1.1. Existing Net Summer Capacity by Energy Source and Producer Type, 1998 through 2009
(Megawatts)

Period	Coal ¹	Petroleum ²	Natural Gas ³	Other Gases ⁴	Nuclear	Hydroelectric Conventional ⁵	Other Renewables ⁶	Hydroelectric Pumped Storage ⁷	Other ⁸	Total
Total (All Sectors)										
1998.....	315,786	66,282	180,288	1,520	97,070	79,151	15,444	19,518	810	775,868
1999.....	315,496	60,069	195,119	1,909	97,411	79,393	15,942	19,565	1,023	785,927
2000.....	315,114	61,837	219,590	2,342	97,860	79,359	15,572	19,522	523	811,719
2001.....	314,230	66,162	252,832	1,670	98,159	78,916	16,101	19,664	519	848,254
2002.....	315,350	59,651	312,512	2,008	98,657	79,356	16,710	20,371	686	905,301
2003.....	313,019	60,730	355,442	1,994	99,209	78,694	18,153	20,522	684	948,446
2004.....	313,020	59,119	371,011	2,296	99,628	77,641	18,717	20,764	746	962,942
2005.....	313,380	58,548	383,061	2,063	99,988	77,541	21,205	21,347	887	978,020
2006.....	312,956	58,097	388,294	2,256	100,334	77,821	24,113	21,461	882	986,215
2007.....	312,738	56,068	392,876	2,313	100,266	77,885	30,069	21,886	788	994,888
2008.....	313,322	57,445	397,460 ^R	1,995	100,755	77,930	38,466 ^R	21,858	942	1,010,171
2009.....	314,294	56,781	401,272	1,932	101,004	78,518	48,552	22,160	888	1,025,400
Electricity Generators, Electric Utilities										
1998.....	299,739	62,704	130,404	55	97,070	75,255	2,067	18,898	229	686,692
1999.....	277,780	49,020	123,192	220	95,030	74,122	790	18,945	224	639,324
2000.....	260,990	41,032	123,665	57	85,968	73,738	837	18,020	13	604,319
2001.....	244,451	38,456	112,841	57	63,060	72,968	979	17,097	13	549,920
2002.....	244,056	33,876	127,692	61	63,202	73,391	989	17,807	--	561,074
2003.....	236,473	32,570	125,612	61	60,964	72,827	925	17,803	13	547,249
2004.....	235,976	31,415	131,734	58	60,651	71,696	960	18,048	13	550,550
2005.....	229,705	30,867	147,752	--	56,564	71,568	1,545	18,195	39	556,235
2006.....	230,644	30,419	157,742	104	56,143	71,840	2,291	18,301	39	567,523
2007.....	231,289	29,115	162,756	104	54,211	72,186	2,806	18,693	39	571,200
2008.....	231,857	30,657	173,106	--	54,376	72,142	4,066	18,664	39	584,908
2009.....	234,397	30,174	180,571	--	54,355	72,690	5,614	18,930	39	596,769
Electricity Generators, Independent Power Producers										
1998.....	6,132	1,463	17,051	--	--	2,454	6,955	620	--	34,675
1999.....	27,725	8,508	38,553	--	2,381	4,142	8,794	620	--	90,724
2000.....	44,164	18,771	60,327	--	11,892	4,509	8,994	1,502	--	150,159
2001.....	60,701	25,311	102,693	--	35,099	4,885	9,894	2,567	79	241,230
2002.....	61,770	23,664	140,404	9	35,455	4,911	10,390	2,564	80	279,246
2003.....	66,538	26,028	178,624	6	38,244	5,058	11,786	2,719	46	329,049
2004.....	67,242	25,918	190,855	8	38,978	5,274	12,070	2,717	46	343,106
2005.....	73,734	26,041	188,043	12	43,424	5,284	13,864	3,152	46	353,601
2006.....	72,730	25,384	184,196	20	44,190	5,263	15,865	3,160	46	350,854
2007.....	71,943	24,818	184,888	8	46,055	5,346	21,002	3,193	26	357,278
2008.....	71,864	24,823	179,169 ^R	--	46,379	5,433	28,139 ^R	3,193	46	359,044
2009.....	70,123	24,657	176,035	8	46,649	5,470	36,556	3,230	46	362,773
Combined Heat and Power, Electric Power										
1998.....	5,021	800	19,632	--	--	--	749	--	--	26,202
1999.....	5,230	1,097	19,390	--	--	--	741	--	--	26,459
2000.....	5,044	907	20,704	262	--	--	736	--	--	27,653
2001.....	4,628	972	21,226	287	--	1	498	--	28	27,639
2002.....	5,222	1,084	28,455	182	--	--	555	--	--	35,499
2003.....	5,534	1,051	34,895	185	--	1	665	--	--	42,332
2004.....	5,609	677	32,600	289	--	1	555	--	--	39,731
2005.....	5,560	530	31,740	289	--	1	614	--	--	38,735
2006.....	5,837	970	30,031	325	--	1	628	--	--	37,793
2007.....	5,885	907	29,468	339	--	--	656	--	--	37,254
2008.....	5,927	900	29,575	206	--	--	701	--	--	37,309
2009.....	5,940	897	28,875	206	--	--	740	--	--	36,658
Combined Heat and Power, Commercial⁹										
1998.....	317	282	1,188	--	--	32	463	--	--	2,281
1999.....	317	381	1,106	--	--	32	465	--	--	2,302
2000.....	314	308	1,186	--	--	33	399	--	--	2,240
2001.....	295	299	1,950	--	--	22	348	--	--	2,912
2002.....	292	301	1,216	--	--	22	357	--	--	2,188
2003.....	347	343	994	--	--	22	371	--	--	2,077
2004.....	368	321	1,069	5	--	22	404	--	--	2,188
2005.....	397	333	1,024	5	--	25	435	--	--	2,219
2006.....	428	341	1,040	5	--	25	433	--	--	2,272
2007.....	428	348	1,064	5	--	22	443	--	3	2,312
2008.....	428	352	1,059	5	--	22	444	--	3	2,312
2009.....	424	348	1,105	5	--	22	480	--	3	2,386
Combined Heat and Power, Industrial⁹										
1998.....	4,577	1,034	12,012	1,465	--	1,139	5,210	--	581	26,019
1999.....	4,443	1,062	12,877	1,689	--	1,097	5,151	--	799	27,119
2000.....	4,601	818	13,708	2,023	--	1,079	4,607	--	510	27,348
2001.....	4,156	1,124	14,123	1,327	--	1,041	4,382	--	399	26,553
2002.....	4,010	726	14,745	1,756	--	1,033	4,419	--	607	27,295
2003.....	4,127	738	15,316	1,742	--	786	4,406	--	625	27,740
2004.....	3,825	789	14,753	1,937	--	648	4,728	--	687	27,367
2005.....	3,984	777	14,501	1,757	--	662	4,747	--	802	27,230
2006.....	3,317	983	15,285	1,802	--	693	4,896	--	797	27,773
2007.....	3,194	880	14,699	1,858	--	331	5,163	--	720	26,844
2008.....	3,246	713	14,551	1,784	--	334	5,116	--	854	26,599
2009.....	3,412	704	14,686	1,714	--	337	5,162	--	800	26,815

¹ Anthracite, bituminous coal, subbituminous coal, lignite, and waste coal.

² Distillate fuel oil (all diesel and No. 1, No. 2, and No. 4 fuel oils), residual fuel oil (No. 5 and No. 6 fuel oils and bunker C fuel oil), jet fuel, kerosene, petroleum coke (converted to liquid petroleum, see Technical Notes for conversion methodology), and waste oil.

³ Includes a small number of generators for which waste heat is the primary energy source.

⁴ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁵ Conventional hydroelectric power excluding pumped storage facilities.

⁶ Wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

⁷ Pumped storage capacity generates electricity from water pumped to an elevated reservoir and then released through a conduit to turbine generators located at a lower level.

⁸ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

⁹ Small number of electricity-only, non-Combined Heat and Power plants may be included.

R = Revised.

Notes: • See Glossary reference for definitions. • Capacity by energy source is based on the capacity associated with the energy source reported as the most predominant (primary) one, where more than one energy source is associated with a generator. • Totals may not equal sum of components because of independent rounding.