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Preface

The Electric Power Monthly (EPM) presents monthly electricity statistics for a wide audience including Congress, Federal and State agencies, the electric power industry, and the general public. The purpose of this publication is to provide energy decision makers with accurate and timely information that may be used in forming various perspectives on electric issues that lie ahead. In order to provide an integrated view of the electric power industry, data in this report have been separated into two major categories: electric power sector and combined heat and power producers. The U.S. Energy Information Administration (EIA) collected the information in this report to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (Public Law 93 275) as amended.

Background

The Office of Electricity, Renewables & Uranium Statistics, U.S. EIA, U.S. Department of Energy, prepares the EPM. This publication provides monthly statistics at the State (lowest level of aggregation), Census Division, and U.S. levels for net generation, fossil fuel consumption and stocks, cost, quantity, and quality of fossil fuels received, electricity retail sales, associated revenue, and average price of electricity sold. In addition, the report contains rolling 12-month totals in the national overviews, as appropriate.

Data sources

The EPM contains information from the following data sources: Form EIA-923, "Power Plant Operations Report;" Form EIA-826, "Monthly Electric Sales and Revenue With State Distributions Report;" Form EIA-860, "Annual Electric Generator Report;" Form EIA-860M, "Monthly Update to the Annual Electric Generator Report;" and Form EIA-861, "Annual Electric Power Industry Report." Forms and their instructions may be obtained from: <http://www.eia.gov/survey/#electricity>. A detailed description of these forms and associated algorithms are found in Appendix C, "Technical Notes."

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Fuel	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
	July 2014	July 2013	Percentage Change	Electric Utilities		Independent Power Producers		July 2014	July 2013	July 2014	July 2013
				July 2014	July 2013	July 2014	July 2013				
Net Generation (Thousand Megawatthours)											
Coal	150,134	153,304	-2.1%	115,305	114,527	33,579	37,467	69	77	1,180	1,233
Petroleum Liquids	1,014	1,478	-31.4%	731	955	235	457	15	27	32	39
Petroleum Coke	1,023	1,361	-24.9%	782	976	129	172	0	0	111	212
Natural Gas	113,916	119,274	-4.5%	48,098	50,367	57,909	60,673	581	606	7,328	7,628
Other Gas	1,081	1,150	-5.9%	4	6	344	316	0	0	733	827
Nuclear	71,940	70,539	2.0%	38,031	36,733	33,909	33,807	0	0	0	0
Hydroelectric Conventional	24,268	27,240	-10.9%	22,240	24,660	1,854	2,265	NM	NM	172	312
Renewable Sources Excluding Hydroelectric	20,859	18,686	11.6%	2,355	2,196	15,632	13,720	288	249	2,584	2,521
... Wind	12,096	11,146	8.5%	1,769	1,671	10,315	9,468	NM	NM	NM	NM
... Solar Thermal and Photovoltaic	1,874	861	117.7%	127	97	1,699	733	45	28	NM	NM
... Wood and Wood-Derived Fuels	3,788	3,526	7.4%	238	207	1,048	887	8	NM	2,494	2,429
... Other Biomass	1,738	1,750	-0.7%	129	124	1,298	1,325	226	213	84	88
... Geothermal	1,364	1,404	-2.8%	93	96	1,271	1,308	0	0	0	0
Hydroelectric Pumped Storage	-467	-345	-35.6%	-386	-242	-81	-103	0	0	0	0
Other Energy Sources	1,071	1,112	-3.7%	48	40	573	621	112	103	338	349
All Energy Sources	384,839	393,799	-2.3%	227,208	230,218	144,083	149,395	1,069	1,065	12,478	13,121
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	81,631	83,223	-1.9%	61,327	61,415	19,853	21,335	24	28	428	444
Petroleum Liquids (1000 barrels)	1,666	2,706	-38.4%	1,303	1,848	309	772	19	42	36	45
Petroleum Coke (1000 tons)	369	480	-23.1%	285	337	54	73	0	0	31	71
Natural Gas (1000 Mcf)	870,103	938,552	-7.3%	376,959	414,301	436,112	463,547	5,421	5,655	51,611	55,049
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,442	1,523	-5.3%	0	0	200	236	76	75	1,166	1,212
Petroleum Liquids (1000 barrels)	233	254	-8.4%	0	0	96	90	8	18	128	146
Petroleum Coke (1000 tons)	97	70	38.4%	0	0	5	9	0	0	93	61
Natural Gas (1000 Mcf)	70,903	74,228	-4.5%	0	0	26,741	28,020	3,645	4,051	40,517	42,157
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	83,073	84,745	-2.0%	61,327	61,415	20,052	21,571	100	103	1,594	1,656
Petroleum Liquids (1000 barrels)	1,900	2,961	-35.8%	1,303	1,848	405	862	27	60	164	191
Petroleum Coke (1000 tons)	467	551	-15.2%	285	337	58	82	0	0	124	132
Natural Gas (1000 Mcf)	941,007	1,012,781	-7.1%	376,959	414,301	462,854	491,567	9,066	9,706	92,128	97,206
Fuel Stocks (end-of-month)											
Coal (1000 tons)	127,975	161,469	-20.7%	97,269	131,879	28,120	27,658	245	326	2,341	1,607
Petroleum Liquids (1000 barrels)	30,407	32,474	-6.4%	19,888	22,094	8,033	7,829	341	415	2,144	2,135
Petroleum Coke (1000 tons)	576	827	-30.4%	W	279	W	115	W	W	W	W

Sales, Revenue, and Average Retail Price for July									
Sector	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
	July 2014	July 2013	Percentage Change	July 2014	July 2013	Percentage Change	July 2014	July 2013	Percentage Change
Residential	136,239	143,438	-5.0%	17,784	18,094	-1.7%	13.05	12.61	3.5%
Commercial	126,080	127,735	-1.3%	14,075	13,747	2.4%	11.16	10.76	3.7%
Industrial	84,179	83,703	0.6%	6,303	6,123	2.9%	7.49	7.32	2.3%
Transportation	653	637	2.4%	68	67	1.6%	10.49	10.57	-0.8%
All Sectors	347,151	355,513	-2.4%	38,231	38,032	0.5%	11.01	10.70	2.9%

NM = Not meaningful due to large relative standard error.

W = Withheld to avoid disclosure of individual company data.

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.

Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.

Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.

Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.

Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.

Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.

Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and synthetic coal; waste coal is excluded.

Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity).

Net generation is presented for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time that vary depending upon customer class and consumption occurring during and outside the calendar month.

Note: Values are preliminary. Percentage change is calculated before rounding.

See technical notes for additional information including more on the Commercial, Industrial, and Transportation sectors.

Table ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date 2014 and 2013

Net Generation and Consumption of Fuels for January through July											
Fuel	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
	July 2014 YTD	July 2013 YTD	Percentage Change	Electric Utilities		Independent Power Producers		July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
				July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD				
Net Generation (Thousand Megawatthours)											
Coal	956,156	917,337	4.2%	720,549	687,187	227,219	222,112	545	505	7,843	7,533
Petroleum Liquids	13,605	8,268	64.5%	7,357	5,572	5,646	2,262	NM	NM	324	284
Petroleum Coke	7,392	7,901	-6.4%	5,671	5,554	866	1,033	4	2	851	1,311
Natural Gas	618,039	630,148	-1.9%	265,874	267,262	300,299	308,740	3,693	3,626	48,174	50,519
Other Gas	6,297	7,012	-10.2%	61	27	1,943	1,741	0	0	4,293	5,244
Nuclear	457,510	452,421	1.1%	242,298	232,522	215,212	219,898	0	0	0	0
Hydroelectric Conventional	164,928	174,134	-5.3%	149,234	157,337	14,125	14,632	NM	NM	1,543	2,141
Renewable Sources Excluding Hydroelectric	167,336	151,306	10.6%	20,576	18,771	128,038	114,313	1,788	1,642	16,934	16,580
... Wind	111,835	102,654	8.9%	16,919	15,581	94,830	87,014	60	40	26	19
... Solar Thermal and Photovoltaic	10,409	4,817	116.1%	720	567	9,426	4,068	248	171	15	NM
... Wood and Wood-Derived Fuels	24,495	22,591	8.4%	1,497	1,180	6,616	5,424	47	15	16,335	15,972
... Other Biomass	11,126	11,608	-4.2%	791	832	8,344	8,782	1,433	1,417	557	577
... Geothermal	9,472	9,636	-1.7%	650	611	8,822	9,025	0	0	0	0
Hydroelectric Pumped Storage	-3,123	-2,514	24.2%	-2,552	-2,055	-571	-459	0	0	0	0
Other Energy Sources	6,892	7,145	-3.5%	248	243	3,734	4,018	680	651	2,231	2,233
All Energy Sources	2,395,031	2,353,157	1.8%	1,409,316	1,372,421	896,511	888,290	7,012	6,602	82,192	85,844
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	511,435	496,558	3.0%	379,643	368,517	128,815	125,159	184	192	2,793	2,689
Petroleum Liquids (1000 barrels)	23,071	13,943	65.5%	13,219	9,968	9,091	3,468	424	198	337	309
Petroleum Coke (1000 tons)	2,737	2,850	-4.0%	2,081	1,972	371	445	1	1	285	432
Natural Gas (1000 Mcf)	4,710,989	4,817,324	-2.2%	2,091,363	2,130,748	2,240,820	2,288,605	34,519	34,203	344,287	363,767
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	10,741	10,861	-1.1%	0	0	1,481	1,500	649	663	8,611	8,698
Petroleum Liquids (1000 barrels)	2,276	1,793	26.9%	0	0	730	585	204	94	1,342	1,114
Petroleum Coke (1000 tons)	391	657	-40.4%	0	0	45	64	7	5	339	588
Natural Gas (1000 Mcf)	517,834	515,844	0.4%	0	0	195,610	189,818	26,797	26,510	295,427	299,516
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	522,176	507,418	2.9%	379,643	368,517	130,296	126,659	833	855	11,404	11,387
Petroleum Liquids (1000 barrels)	25,347	15,737	61.1%	13,219	9,968	9,822	4,052	628	292	1,679	1,424
Petroleum Coke (1000 tons)	3,128	3,507	-10.8%	2,081	1,972	416	509	8	5	624	1,020
Natural Gas (1000 Mcf)	5,228,823	5,333,168	-2.0%	2,091,363	2,130,748	2,436,430	2,478,424	61,316	60,713	639,713	663,284

Sales, Revenue, and Average Retail Price for January through July									
Sector	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	Percentage Change
Residential	832,634	807,416	3.1%	103,204	97,177	6.2%	12.39	12.04	2.9%
Commercial	782,736	767,633	2.0%	83,677	78,672	6.4%	10.69	10.25	4.3%
Industrial	555,105	555,524	-0.1%	39,179	37,606	4.2%	7.06	6.77	4.3%
Transportation	4,649	4,445	4.6%	476	453	5.1%	10.25	10.20	0.5%
All Sectors	2,175,124	2,135,018	1.9%	226,536	213,909	5.9%	10.41	10.02	3.9%

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.
Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.
Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and synthetic coal; waste coal is excluded.
Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity).
Net generation is presented for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time that vary depending upon customer class and consumption occurring during and outside the calendar month.
Note: Values are preliminary. Percentage change is calculated before rounding.
See technical notes for additional information including more on the Commercial, Industrial, and Transportation sectors.

Table ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2014 and 2013

Total (All Sectors)										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
Coal (1000 tons)	72,363	71,348	46.03	44.27	340	343	474,122	460,646	46.16	45.65
Petroleum Liquids (1000 barrels)	1,392	1,765	128.63	123.78	171	196	17,124	11,186	131.21	126.00
Petroleum Coke (1000 tons)	399	418	53.73	64.99	12	12	2,858	2,574	56.97	63.19
Natural Gas (1000 Mcf)	857,923	919,088	4.57	4.31	752	759	4,698,337	4,798,309	5.74	4.52

Electric Utilities										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
Coal (1000 tons)	53,172	52,643	47.43	45.45	236	238	342,502	337,492	47.06	46.70
Petroleum Liquids (1000 barrels)	988	1,182	129.22	125.77	111	129	9,565	7,434	132.06	127.79
Petroleum Coke (1000 tons)	339	314	51.25	64.47	8	7	2,459	1,878	55.51	62.39
Natural Gas (1000 Mcf)	363,576	395,665	4.97	4.49	380	389	2,041,877	2,075,045	5.75	4.65

Independent Power Producers										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
Coal (1000 tons)	18,407	17,938	40.92	39.79	81	82	126,354	118,072	42.83	41.57
Petroleum Liquids (1000 barrels)	385	557	128.67	120.25	51	60	7,359	3,504	130.48	123.07
Petroleum Coke (1000 tons)	39	54	W	W	2	2	286	375	W	W
Natural Gas (1000 Mcf)	433,735	461,576	4.15	4.18	327	332	2,251,046	2,303,565	5.90	4.51

Commercial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
Coal (1000 tons)	11	9	W	W	2	2	107	106	W	W
Petroleum Liquids (1000 barrels)	0	0	--	--	0	0	0	0	--	--
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	471	440	W	W	2	2	2,868	2,740	W	W

Industrial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
Coal (1000 tons)	773	759	W	W	21	21	5,158	4,976	W	W
Petroleum Liquids (1000 barrels)	20	27	98.08	108.96	9	7	200	248	116.46	112.63
Petroleum Coke (1000 tons)	20	50	W	W	2	3	113	320	W	W
Natural Gas (1000 Mcf)	60,142	61,407	W	W	43	36	402,546	416,959	W	W

NM = Not meaningful due to large relative standard error.

W = Withheld to avoid disclosure of individual company data.

Number of Plants represents the number of plants for which receipts data were collected this month.

.... A plant using more than one fuel may be counted multiple times.

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.

Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.

Table ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, btus, 2014 and 2013

Total (All Sectors)										
Fuel	Receipts						Year-to-Date			
	(Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		(Billion Btu)		Cost (Dollars / Million Btu)	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
Coal	1,404,469	1,364,276	2.37	2.32	340	343	9,262,449	8,937,002	2.36	2.35
Petroleum Liquids	8,413	10,653	21.29	20.51	171	196	103,247	67,880	21.75	20.76
Petroleum Coke	11,392	11,964	1.88	2.27	12	12	81,070	73,328	2.01	2.21
Natural Gas	883,753	943,799	4.43	4.20	752	759	4,828,338	4,921,252	5.59	4.41
Fossil Fuels	2,308,027	2,330,692	3.17	3.12	960	977	14,275,104	13,999,460	3.52	3.13

Electric Utilities										
Fuel	Receipts						Year-to-Date			
	(Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		(Billion Btu)		Cost (Dollars / Million Btu)	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
Coal	1,048,298	1,021,070	2.40	2.34	236	238	6,766,070	6,608,385	2.38	2.39
Petroleum Liquids	5,999	7,139	21.28	20.82	111	129	57,826	45,230	21.84	21.00
Petroleum Coke	9,697	9,006	1.79	2.25	8	7	69,885	53,763	1.95	2.18
Natural Gas	374,201	405,204	4.83	4.38	380	389	2,094,012	2,121,672	5.60	4.55
Fossil Fuels	1,438,194	1,442,419	3.11	3.00	523	535	8,987,792	8,829,050	3.25	2.99

Independent Power Producers										
Fuel	Receipts						Year-to-Date			
	(Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		(Billion Btu)		Cost (Dollars / Million Btu)	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
Coal	338,433	325,945	2.23	2.19	81	82	2,377,611	2,213,717	2.28	2.22
Petroleum Liquids	2,293	3,347	21.58	20.01	51	60	44,184	21,115	21.70	20.41
Petroleum Coke	1,124	1,543	W	W	2	2	8,027	10,560	W	W
Natural Gas	446,952	474,886	4.03	4.07	327	332	2,316,119	2,367,289	5.74	4.39
Fossil Fuels	788,802	805,721	W	W	388	396	4,745,942	4,612,682	W	W

Commercial Sector										
Fuel	Receipts						Year-to-Date			
	(Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		(Billion Btu)		Cost (Dollars / Million Btu)	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
Coal	261	209	W	W	2	2	2,475	2,460	W	W
Petroleum Liquids	0	0	--	--	0	0	0	0	--	--
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	475	445	W	W	2	2	2,896	2,762	W	W
Fossil Fuels	736	653	W	W	2	2	5,372	5,223	W	W

Industrial Sector										
Fuel	Receipts						Year-to-Date			
	(Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		(Billion Btu)		Cost (Dollars / Million Btu)	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
Coal	17,478	17,052	W	W	21	21	116,293	112,439	W	W
Petroleum Liquids	121	167	15.79	17.47	9	7	1,237	1,535	18.85	18.21
Petroleum Coke	571	1,415	W	W	2	3	3,158	9,004	W	W
Natural Gas	62,125	63,264	W	W	43	36	415,311	429,528	W	W
Fossil Fuels	80,295	81,899	W	W	47	44	535,999	552,506	W	W

NM = Not meaningful due to large relative standard error.

W = Withheld to avoid disclosure of individual company data.

Number of Plants represents the number of plants for which receipts data were collected this month.

.... The total number of fossil fuel plants is not the sum of the figures above it because a plant that receives two or more different fuels is only counted once.

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.

Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.

Natural Gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

Table 1.1.A. Net Generation from Renewable Sources: Total (All Sectors), 2004-July 2014
(Thousand Megawatthours)

Period	Wind	Solar Photovoltaic	Solar Thermal	Wood and Wood-Derived Fuels	Landfill Gas	Biogenic Municipal Solid Waste	Other Waste Biomass	Geothermal	Conventional Hydroelectric	Total Renewable Sources
Annual Totals										
2004	14,144	6	569	38,117	5,128	8,151	2,141	14,811	268,417	351,485
2005	17,811	16	535	38,856	5,142	8,330	1,948	14,692	270,321	357,651
2006	26,589	15	493	38,762	5,677	8,478	1,944	14,568	289,246	385,772
2007	34,450	16	596	39,014	6,158	8,304	2,063	14,637	247,510	352,747
2008	55,363	76	788	37,300	7,156	8,097	2,481	14,840	254,831	380,932
2009	73,886	157	735	36,050	7,924	8,058	2,461	15,009	273,445	417,724
2010	94,652	423	789	37,172	8,377	7,927	2,613	15,219	260,203	427,376
2011	120,177	1,012	806	37,449	9,044	7,354	2,824	15,316	319,355	513,336
2012	140,822	3,451	876	37,799	9,803	7,320	2,700	15,562	276,240	494,573
2013	167,665	8,327	926	39,937	9,793	7,348	2,816	16,517	269,136	522,464
2012										
January	13,632	82	13	3,314	806	589	206	1,263	23,107	43,013
February	11,052	106	29	3,111	735	561	209	1,193	20,283	37,279
March	14,026	163	68	3,034	801	597	226	1,285	25,909	46,109
April	12,709	223	96	2,704	766	598	219	1,248	26,294	44,858
May	12,541	337	125	2,937	804	633	217	1,304	26,643	47,541
June	11,972	391	136	3,081	790	627	195	1,277	26,659	45,128
July	8,822	392	117	3,352	855	651	216	1,321	26,491	42,216
August	8,469	369	93	3,370	861	621	244	1,304	23,034	38,364
Sept	8,790	373	85	3,227	808	600	218	1,300	17,604	33,005
October	12,636	365	66	3,113	861	601	254	1,329	16,501	35,726
November	11,649	316	31	3,190	827	604	253	1,347	18,732	36,950
December	14,524	333	16	3,365	890	639	244	1,390	22,984	44,385
2013										
January	14,633	307	11	3,424	804	586	243	1,443	25,114	46,566
February	13,907	434	45	3,141	703	515	217	1,301	20,511	40,774
March	15,643	595	73	3,372	843	627	238	1,424	20,654	43,468
April	17,294	640	94	2,701	800	606	228	1,330	24,758	48,451
May	16,264	722	104	3,140	870	650	227	1,357	28,549	51,885
June	13,766	808	122	3,287	843	639	220	1,377	27,308	48,371
July	11,146	775	86	3,526	864	656	230	1,404	27,240	45,927
August	9,593	900	101	3,586	845	638	234	1,379	21,712	38,988
Sept	11,709	902	77	3,396	799	606	220	1,356	16,929	35,994
October	13,720	853	114	3,327	809	605	245	1,425	17,307	38,405
November	15,888	699	51	3,413	802	592	258	1,298	17,732	40,733
December	14,100	690	47	3,623	812	628	256	1,424	21,323	42,903
2014										
January	17,989	718	57	3,635	764	578	240	1,396	21,616	46,994
February	14,001	775	83	3,271	653	495	195	1,257	17,430	38,161
March	17,779	1,172	183	3,574	789	619	220	1,376	24,243	49,956
April	18,747	1,379	228	3,219	782	607	220	1,359	25,075	51,614
May	15,532	1,596	284	3,373	788	634	206	1,385	26,442	50,240
June	15,691	1,713	348	3,634	775	617	205	1,336	25,854	50,172
July	12,096	1,610	264	3,788	853	658	226	1,364	24,268	45,128
Year to Date										
2012	84,754	1,695	585	21,533	5,556	4,255	1,487	8,892	177,386	306,144
2013	102,654	4,282	535	22,591	5,726	4,278	1,604	9,636	174,134	325,440
2014	111,835	8,963	1,446	24,495	5,404	4,209	1,513	9,472	164,928	332,264
Rolling 12-Month Ending in July										
2013	158,721	6,038	826	38,857	9,972	7,343	2,817	16,306	272,989	513,870
2014	176,846	13,008	1,836	41,841	9,471	7,278	2,725	16,353	259,930	529,288

Wood and Wood-derived fuels include wood/wood waste solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids), wood waste liquids (red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids), and black liquor.

Other Waste Biomass includes sludge waste, agricultural byproducts, other biomass solids, other biomass liquids, and other biomass gases (including digester gases, methane, and other biomass gases).

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

See Glossary for definitions. Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.4. Net Generation by Energy Source: Commercial Sector, 2004-July 2014
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2004	1,340	493	7	3,969	0	0	105	1,575	0	781	8,270
2005	1,353	368	7	4,249	0	0	86	1,673	0	756	8,492
2006	1,310	228	7	4,355	0	0	93	1,619	0	758	8,371
2007	1,371	180	9	4,257	0	0	77	1,614	0	764	8,273
2008	1,261	136	6	4,188	0	0	60	1,555	0	720	7,926
2009	1,096	157	5	4,225	0	0	71	1,769	0	842	8,165
2010	1,111	117	7	4,725	3	0	80	1,714	0	834	8,592
2011	1,049	86	3	5,487	3	0	26	2,476	0	950	10,080
2012	883	191	6	6,603	0	0	28	2,545	0	1,046	11,301
2013	799	NM	5	6,351	0	0	36	2,904	0	1,143	11,480
2012											
January	83	14	1	543	0	0	3	197	0	76	916
February	81	15	1	531	0	0	2	194	0	77	900
March	74	12	1	537	0	0	2	204	0	82	911
April	66	17	0	510	0	0	2	207	0	86	888
May	69	12	0	541	0	0	3	215	0	90	930
June	79	21	0	585	0	0	2	204	0	84	975
July	83	18	1	716	0	0	2	219	0	96	1,135
August	81	18	1	620	0	0	2	228	0	96	1,046
Sept	66	14	1	537	0	0	2	219	0	91	930
October	57	19	1	513	0	0	2	222	0	91	904
November	67	15	1	488	0	0	2	217	0	86	876
December	77	15	1	483	0	0	2	219	0	91	888
2013											
January	76	NM	1	558	0	0	NM	220	0	88	980
February	83	NM	1	503	0	0	NM	208	0	82	904
March	72	16	1	516	0	0	NM	249	0	99	955
April	55	16	0	440	0	0	NM	232	0	94	841
May	67	18	0	491	0	0	NM	240	0	90	909
June	75	17	0	512	0	0	NM	245	0	95	948
July	77	27	0	606	0	0	NM	249	0	103	1,065
August	66	17	1	587	0	0	NM	260	0	107	1,041
Sept	54	16	1	543	0	0	NM	253	0	103	972
October	54	15	1	500	0	0	NM	255	0	96	923
November	51	16	0	528	0	0	NM	240	0	91	928
December	69	NM	1	566	0	0	NM	252	0	94	1,014
2014											
January	105	NM	1	564	0	0	NM	245	0	91	1,137
February	97	NM	1	516	0	0	NM	206	0	77	943
March	88	NM	1	514	0	0	NM	250	0	93	995
April	62	16	1	488	0	0	NM	262	0	100	934
May	57	16	0	495	0	0	NM	263	0	103	937
June	68	14	0	535	0	0	NM	274	0	103	998
July	69	15	0	581	0	0	NM	288	0	112	1,069
Year to Date											
2012	534	109	2	3,963	0	0	17	1,440	0	591	6,656
2013	505	NM	2	3,626	0	0	NM	1,642	0	651	6,602
2014	545	NM	4	3,693	0	0	NM	1,788	0	680	7,012
Rolling 12 Months Ending in July											
2013	854	NM	5	6,266	0	0	NM	2,748	0	1,106	11,246
2014	839	NM	7	6,418	0	0	NM	3,049	0	1,171	11,891

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.

See the Technical Notes for fuel conversion factors.

Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

See Glossary for definitions. Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;

Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

**Table 1.8.A. Net Generation from Petroleum Liquids
by State, by Sector, July 2014 and 2013 (Thousand Megawatthours)**

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	Electric Utilities		Independent Power Producers		July 2014	July 2013	July 2014	July 2013
				July 2014	July 2013	July 2014	July 2013				
New England	29	115	-74.6%	4	23	19	77	NM	NM	NM	NM
Connecticut	5	43	-89.3%	NM	NM	4	41	NM	NM	NM	NM
Maine	NM	23	NM	NM	NM	NM	22	NM	NM	NM	NM
Massachusetts	18	31	-40.8%	NM	9	15	14	NM	NM	NM	NM
New Hampshire	4	14	-73.7%	3	11	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	NM	1	1	0	0	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	54	334	-83.8%	9	147	37	176	2	NM	7	7
New Jersey	NM	19	NM	NM	NM	NM	16	NM	NM	NM	NM
New York	33	256	-87.3%	8	146	17	102	1	NM	6	6
Pennsylvania	20	59	-65.7%	NM	NM	20	58	NM	NM	NM	NM
East North Central	48	55	-12.7%	40	42	7	13	NM	NM	2	NM
Illinois	6	8	-27.6%	2	3	4	5	NM	NM	NM	NM
Indiana	13	9	38.4%	12	9	NM	NM	NM	NM	1	NM
Michigan	9	11	-13.0%	9	10	NM	0	0	NM	NM	NM
Ohio	16	25	-34.5%	13	17	3	8	NM	NM	NM	NM
Wisconsin	4	2	91.2%	4	2	NM	NM	NM	NM	NM	NM
West North Central	18	24	-25.5%	17	23	0	NM	NM	NM	NM	NM
Iowa	2	7	-71.2%	2	6	NM	NM	NM	NM	NM	NM
Kansas	NM	3	NM	NM	3	0	0	0	0	0	0
Minnesota	3	3	-19.2%	2	3	NM	NM	NM	NM	NM	NM
Missouri	5	6	-11.8%	5	6	0	0	NM	NM	0	0
Nebraska	4	1	254.1%	4	1	0	0	0	0	0	0
North Dakota	2	3	-49.8%	2	3	0	0	NM	NM	NM	NM
South Dakota	0	1	-18.9%	0	0	NM	NM	NM	NM	0	0
South Atlantic	178	215	-16.8%	149	160	19	40	NM	NM	NM	11
Delaware	3	7	-50.6%	NM	NM	3	6	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	48	48	0.3%	44	43	NM	NM	0	0	NM	NM
Georgia	6	7	-11.8%	3	3	NM	NM	NM	NM	NM	3
Maryland	8	29	-73.3%	NM	NM	5	23	NM	NM	0	0
North Carolina	13	23	-43.6%	11	21	NM	NM	NM	NM	NM	NM
South Carolina	NM	21	NM	NM	20	0	0	NM	NM	1	1
Virginia	87	60	44.6%	77	49	9	9	0	NM	NM	NM
West Virginia	7	21	-65.6%	7	21	0	0	0	0	0	0
East South Central	30	30	1.8%	26	24	NM	NM	NM	NM	NM	NM
Alabama	NM	9	NM	2	4	NM	NM	0	0	NM	NM
Kentucky	16	11	42.1%	16	11	0	0	0	0	0	0
Mississippi	NM	1	NM	NM	1	0	0	0	0	0	0
Tennessee	7	8	-12.6%	7	8	0	0	NM	NM	NM	NM
West South Central	10	14	-31.9%	5	8	5	6	NM	NM	NM	NM
Arkansas	1	5	-84.3%	1	5	0	0	0	0	0	0
Louisiana	3	4	-22.8%	1	0	3	3	0	0	0	1
Oklahoma	1	NM	NM	1	NM	0	0	NM	NM	NM	NM
Texas	5	4	12.8%	3	2	2	2	NM	NM	NM	NM
Mountain	18	13	30.3%	13	12	4	1	NM	NM	NM	NM
Arizona	3	3	6.6%	3	3	0	0	NM	NM	0	0
Colorado	NM	1	NM	NM	1	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	4	0	893.4%	NM	NM	4	0	0	0	0	0
Nevada	2	1	8.9%	1	1	0	0	0	0	0	0
New Mexico	4	2	70.7%	4	2	NM	NM	0	0	NM	NM
Utah	3	2	42.9%	3	2	NM	NM	0	0	NM	NM
Wyoming	2	3	-40.3%	2	3	0	0	0	0	NM	NM
Pacific Contiguous	13	14	-9.7%	4	5	2	2	6	7	NM	1
California	10	11	-4.8%	3	3	NM	NM	6	7	NM	0
Oregon	1	1	80.1%	1	1	0	0	0	0	0	0
Washington	2	3	-44.2%	NM	1	1	1	NM	NM	NM	1
Pacific Noncontiguous	615	664	-7.3%	464	511	142	142	NM	1	8	9
Alaska	64	66	-4.2%	59	61	0	0	NM	NM	4	4
Hawaii	552	597	-7.6%	405	450	142	142	0	0	NM	5
U.S. Total	1,014	1,478	-31.4%	731	955	235	457	15	27	32	39

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.8.B. Net Generation from Petroleum Liquids

by State, by Sector, Year-to-Date through July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	2,078	667	211.5%	242	112	1,664	475	NM	56	NM	25
Connecticut	482	205	134.5%	NM	2	469	200	NM	NM	NM	NM
Maine	270	162	66.5%	NM	NM	247	149	NM	NM	NM	11
Massachusetts	944	206	358.1%	125	53	725	109	NM	33	NM	11
New Hampshire	296	62	378.9%	103	48	162	NM	NM	NM	NM	NM
Rhode Island	77	28	175.3%	1	6	62	16	NM	NM	0	0
Vermont	NM	NM	NM	NM	3	0	0	NM	NM	0	0
Middle Atlantic	2,996	1,051	185.0%	864	379	2,044	607	NM	NM	59	50
New Jersey	426	84	406.4%	NM	3	418	80	NM	NM	NM	NM
New York	1,995	762	161.9%	861	376	1,058	326	NM	NM	50	46
Pennsylvania	575	205	180.0%	NM	NM	568	201	NM	NM	NM	NM
East North Central	507	366	38.7%	352	296	139	62	NM	NM	NM	7
Illinois	56	48	16.0%	NM	17	36	31	NM	NM	NM	NM
Indiana	101	81	25.2%	92	77	NM	NM	NM	NM	8	4
Michigan	86	86	0.2%	83	84	NM	0	1	0	2	1
Ohio	233	134	74.1%	130	103	99	30	NM	NM	NM	NM
Wisconsin	31	17	80.8%	26	15	4	1	NM	NM	NM	NM
West North Central	239	175	36.7%	226	171	10	1	NM	NM	2	2
Iowa	43	46	-7.5%	42	45	NM	NM	NM	NM	NM	NM
Kansas	34	36	-5.6%	34	36	0	0	0	0	0	0
Minnesota	48	6	756.7%	37	4	9	0	NM	NM	NM	NM
Missouri	78	47	66.4%	78	47	0	0	NM	NM	0	0
Nebraska	18	16	13.1%	18	16	0	0	0	0	0	0
North Dakota	14	20	-29.6%	13	19	0	0	NM	NM	NM	NM
South Dakota	5	5	0.5%	5	5	NM	NM	NM	NM	0	0
South Atlantic	2,879	987	191.6%	1,963	741	784	144	NM	NM	88	83
Delaware	158	19	736.9%	NM	NM	158	18	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	451	328	37.6%	418	301	NM	NM	0	0	29	23
Georgia	135	46	194.9%	76	16	30	NM	NM	NM	28	29
Maryland	420	104	303.4%	NM	5	371	80	NM	NM	0	0
North Carolina	365	133	174.6%	322	120	30	7	NM	NM	NM	NM
South Carolina	237	72	228.5%	218	67	12	0	NM	NM	7	5
Virginia	1,010	201	403.3%	842	148	157	33	NM	0	NM	19
West Virginia	103	85	21.4%	80	84	23	1	0	0	0	0
East South Central	324	221	46.9%	278	188	10	NM	NM	NM	36	32
Alabama	101	68	48.8%	56	38	10	NM	0	0	35	29
Kentucky	78	72	9.4%	78	72	0	0	0	0	0	0
Mississippi	NM	9	NM	NM	7	0	0	0	0	0	3
Tennessee	136	72	88.5%	135	71	0	0	NM	NM	NM	NM
West South Central	116	120	-3.8%	52	42	57	64	NM	NM	7	14
Arkansas	14	27	-49.1%	9	15	3	11	0	0	2	1
Louisiana	29	35	-16.3%	8	7	17	15	0	0	4	13
Oklahoma	9	6	52.8%	9	5	0	0	NM	NM	NM	NM
Texas	64	53	21.1%	26	15	36	37	NM	NM	NM	NM
Mountain	145	121	19.4%	130	109	13	10	NM	NM	NM	3
Arizona	41	25	67.1%	41	25	0	0	NM	NM	0	0
Colorado	NM	5	NM	NM	5	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	11	7	60.7%	NM	NM	11	7	0	0	0	0
Nevada	8	10	-15.7%	7	8	1	2	0	0	0	0
New Mexico	37	27	37.2%	37	27	NM	NM	0	0	NM	NM
Utah	21	22	-2.7%	21	21	NM	NM	0	0	NM	NM
Wyoming	21	26	-19.7%	19	23	0	0	0	0	NM	3
Pacific Contiguous	NM	NM	NM	NM	24	10	10	NM	NM	8	13
California	NM	NM	NM	17	18	5	NM	NM	NM	NM	6
Oregon	NM	4	NM	6	4	0	0	NM	0	0	0
Washington	NM	16	NM	NM	NM	5	7	NM	NM	6	8
Pacific Noncontiguous	4,206	4,460	-5.7%	3,225	3,510	NM	890	5	5	NM	55
Alaska	393	440	-10.7%	377	414	0	0	4	4	12	22
Hawaii	3,813	4,020	-5.1%	2,848	3,096	NM	890	1	1	NM	33
U.S. Total	13,605	8,268	64.5%	7,357	5,572	5,646	2,262	NM	NM	324	284

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.9.A. Net Generation from Petroleum Coke
by State, by Sector, July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	Electric Utilities		Independent Power Producers		July 2014	July 2013	July 2014	July 2013
				July 2014	July 2013	July 2014	July 2013				
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	331	319	3.7%	197	174	105	106	0	0	NM	NM
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	122	160	-24.0%	122	160	0	0	0	0	0	0
Michigan	83	NM	NM	69	0	4	7	0	0	NM	NM
Ohio	101	102	-0.9%	0	0	101	100	0	0	NM	NM
Wisconsin	25	35	-27.8%	6	14	0	0	0	0	20	21
West North Central	0	0	-10.7%	0	0	0	0	0	0	0	0
Iowa	0	0	-10.7%	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	17	312	-94.7%	0	296	0	0	0	0	17	16
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	296	-100.0%	0	296	0	0	0	0	0	0
Georgia	17	16	4.5%	0	0	0	0	0	0	17	16
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	84	125	-32.5%	84	125	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	84	125	-32.5%	84	125	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	548	530	3.4%	501	381	0	19	0	0	NM	129
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	532	427	24.6%	501	381	0	0	0	0	NM	NM
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	NM	103	NM	0	0	0	19	0	0	NM	84
Mountain	20	38	-47.2%	0	0	20	38	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	20	38	-47.2%	0	0	20	38	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
California	NM	NM	NM	0	0	NM	NM	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,023	1,361	-24.9%	782	976	129	172	0	0	111	212

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.9.B. Net Generation from Petroleum Coke

by State, by Sector, Year-to-Date through July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	175	160	9.2%	0	0	0	0	0	0	175	160
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	116	118	-2.0%	0	0	0	0	0	0	116	118
East North Central	2,091	1,811	15.5%	1,227	903	657	688	0	0	207	220
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	770	873	-11.7%	770	873	0	0	0	0	0	0
Michigan	518	130	297.6%	394	0	34	46	0	0	90	84
Ohio	635	653	-2.7%	0	0	624	642	0	0	NM	NM
Wisconsin	168	156	7.8%	63	30	0	0	0	0	105	125
West North Central	4	2	56.8%	0	0	0	0	4	2	0	0
Iowa	4	2	56.8%	0	0	0	0	4	2	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,321	1,359	-2.8%	1,211	1,220	0	0	0	0	110	138
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,211	1,220	-0.8%	1,211	1,220	0	0	0	0	0	0
Georgia	110	138	-20.3%	0	0	0	0	0	0	110	138
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	521	786	-33.7%	521	786	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	521	786	-33.7%	521	786	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	3,071	3,468	-11.5%	2,712	2,645	0	30	0	0	359	793
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	2,955	2,901	1.9%	2,712	2,645	0	0	0	0	243	255
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	116	568	-79.5%	0	0	0	30	0	0	116	537
Mountain	196	254	-22.8%	0	0	196	254	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	196	254	-22.8%	0	0	196	254	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
California	NM	NM	NM	0	0	NM	NM	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	7,392	7,901	-6.4%	5,671	5,554	866	1,033	4	2	851	1,311

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.11.A. Net Generation from Other Gases
by State, by Sector, July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	Electric Utilities		Independent Power Producers		July 2014	July 2013	July 2014	July 2013
				July 2014	July 2013	July 2014	July 2013				
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	54	82	-34.1%	0	0	0	0	0	0	54	82
New Jersey	14	17	-21.1%	0	0	0	0	0	0	14	17
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	40	64	-37.5%	0	0	0	0	0	0	40	64
East North Central	424	393	8.1%	4	6	150	57	0	0	270	330
Illinois	26	35	-26.2%	0	0	0	3	0	0	26	31
Indiana	221	233	-4.9%	0	0	0	0	0	0	221	233
Michigan	89	26	236.2%	4	6	85	20	0	0	0	0
Ohio	89	99	-10.3%	0	0	66	33	0	0	23	66
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	NM	NM	0	0	0	0	0	0	NM	NM
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	30	32	-5.3%	0	0	0	0	0	0	30	32
Delaware	27	29	-7.1%	0	0	0	0	0	0	27	29
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1	1	66.5%	0	0	0	0	0	0	1	1
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	3	3	-3.3%	0	0	0	0	0	0	3	3
East South Central	27	6	365.5%	0	0	0	0	0	0	27	6
Alabama	26	5	477.1%	0	0	0	0	0	0	26	5
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	1	-23.2%	0	0	0	0	0	0	1	1
West South Central	368	436	-15.5%	0	0	161	218	0	0	208	218
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	185	177	4.6%	0	0	74	61	0	0	110	116
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	184	259	-29.3%	0	0	86	157	0	0	97	102
Mountain	22	23	-4.1%	0	0	1	1	0	0	22	23
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	-57.3%	0	0	0	0	0	0	0	0
Nevada	1	1	-17.0%	0	0	1	1	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	0	0	0	0	NM	NM
Wyoming	21	22	-3.6%	0	0	0	0	0	0	21	22
Pacific Contiguous	149	169	-12.3%	0	0	33	41	0	0	116	129
California	116	129	-10.0%	0	0	0	0	0	0	116	129
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	33	41	-19.6%	0	0	33	41	0	0	0	0
Pacific Noncontiguous	NM	NM	NM	0	0	0	0	0	0	NM	NM
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	NM	4	NM	0	0	0	0	0	0	NM	4
U.S. Total	1,081	1,150	-5.9%	4	6	344	316	0	0	733	827

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.11.B. Net Generation from Other Gases

by State, by Sector, Year-to-Date through July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	356	506	-29.7%	0	0	0	0	0	0	356	506
New Jersey	82	104	-20.9%	0	0	0	0	0	0	82	104
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	274	402	-31.9%	0	0	0	0	0	0	274	402
East North Central	2,440	2,344	4.1%	61	27	748	400	0	0	1,631	1,918
Illinois	158	201	-21.3%	0	0	6	16	0	0	152	184
Indiana	1,188	1,352	-12.1%	0	0	0	0	0	0	1,188	1,352
Michigan	579	218	165.3%	61	27	518	192	0	0	0	0
Ohio	515	573	-10.2%	0	0	224	191	0	0	291	382
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	19	25	-23.0%	0	0	0	0	0	0	19	25
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	19	25	-23.0%	0	0	0	0	0	0	19	25
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	115	90	27.9%	0	0	0	0	0	0	115	90
Delaware	95	71	33.5%	0	0	0	0	0	0	95	71
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4	3	63.9%	0	0	0	0	0	0	4	3
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	15	16	-3.7%	0	0	0	0	0	0	15	16
East South Central	145	67	115.9%	0	0	0	0	0	0	145	67
Alabama	137	60	129.3%	0	0	0	0	0	0	137	60
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	8	7	7.7%	0	0	0	0	0	0	8	7
West South Central	2,132	2,639	-19.2%	0	0	1,017	1,118	0	0	1,116	1,521
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	996	1,210	-17.7%	0	0	463	315	0	0	533	895
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	1,136	1,428	-20.5%	0	0	554	803	0	0	583	626
Mountain	189	182	3.6%	0	0	3	3	0	0	186	179
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	-50.7%	0	0	0	0	0	0	0	0
Nevada	3	3	-12.6%	0	0	3	3	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	0	0	0	0	NM	NM
Wyoming	184	176	4.7%	0	0	0	0	0	0	184	176
Pacific Contiguous	879	1,131	-22.2%	0	0	176	220	0	0	704	910
California	704	910	-22.7%	0	0	0	0	0	0	704	910
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	176	220	-20.4%	0	0	176	220	0	0	0	0
Pacific Noncontiguous	21	28	-25.2%	0	0	0	0	0	0	21	28
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	20	27	-26.0%	0	0	0	0	0	0	20	27
U.S. Total	6,297	7,012	-10.2%	61	27	1,943	1,741	0	0	4,293	5,244

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.12.A. Net Generation from Nuclear Energy
by State, by Sector, July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	Electric Utilities		Independent Power Producers		July 2014	July 2013	July 2014	July 2013
				July 2014	July 2013	July 2014	July 2013				
New England	3,336	3,426	-2.6%	0	0	3,336	3,426	0	0	0	0
Connecticut	1,456	1,554	-6.3%	0	0	1,456	1,554	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	506	500	1.3%	0	0	506	500	0	0	0	0
New Hampshire	928	927	0.2%	0	0	928	927	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	446	445	0.1%	0	0	446	445	0	0	0	0
Middle Atlantic	13,396	13,669	-2.0%	0	0	13,396	13,669	0	0	0	0
New Jersey	2,501	2,992	-16.4%	0	0	2,501	2,992	0	0	0	0
New York	3,853	3,663	5.2%	0	0	3,853	3,663	0	0	0	0
Pennsylvania	7,043	7,014	0.4%	0	0	7,043	7,014	0	0	0	0
East North Central	14,130	13,298	6.3%	2,352	2,023	11,778	11,275	0	0	0	0
Illinois	8,692	8,471	2.6%	0	0	8,692	8,471	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,944	2,609	12.8%	2,352	2,023	592	586	0	0	0	0
Ohio	1,601	1,328	20.6%	0	0	1,601	1,328	0	0	0	0
Wisconsin	893	890	0.3%	0	0	893	890	0	0	0	0
West North Central	4,355	3,364	29.5%	3,927	2,916	428	448	0	0	0	0
Iowa	428	448	-4.3%	0	0	428	448	0	0	0	0
Kansas	891	883	0.9%	891	883	0	0	0	0	0	0
Minnesota	1,205	776	55.2%	1,205	776	0	0	0	0	0	0
Missouri	891	720	23.9%	891	720	0	0	0	0	0	0
Nebraska	940	538	74.8%	940	538	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	17,499	18,330	-4.5%	16,261	17,068	1,238	1,262	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,410	2,709	-11.0%	2,410	2,709	0	0	0	0	0	0
Georgia	2,866	2,991	-4.2%	2,866	2,991	0	0	0	0	0	0
Maryland	1,238	1,262	-1.9%	0	0	1,238	1,262	0	0	0	0
North Carolina	3,799	3,795	0.1%	3,799	3,795	0	0	0	0	0	0
South Carolina	4,512	4,904	-8.0%	4,512	4,904	0	0	0	0	0	0
Virginia	2,673	2,668	0.2%	2,673	2,668	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7,138	7,224	-1.2%	7,138	7,224	0	0	0	0	0	0
Alabama	3,736	3,720	0.4%	3,736	3,720	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	967	979	-1.2%	967	979	0	0	0	0	0	0
Tennessee	2,434	2,525	-3.6%	2,434	2,525	0	0	0	0	0	0
West South Central	6,675	6,044	10.4%	2,943	2,317	3,732	3,727	0	0	0	0
Arkansas	1,366	735	85.8%	1,366	735	0	0	0	0	0	0
Louisiana	1,577	1,582	-0.3%	1,577	1,582	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,732	3,727	0.1%	0	0	3,732	3,727	0	0	0	0
Mountain	2,927	2,892	1.2%	2,927	2,892	0	0	0	0	0	0
Arizona	2,927	2,892	1.2%	2,927	2,892	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	2,483	2,292	8.4%	2,483	2,292	0	0	0	0	0	0
California	1,663	1,486	11.9%	1,663	1,486	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	820	806	1.7%	820	806	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	71,940	70,539	2.0%	38,031	36,733	33,909	33,807	0	0	0	0

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.12.B. Net Generation from Nuclear Energy

by State, by Sector, Year-to-Date through July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	21,317	20,927	1.9%	0	0	21,317	20,927	0	0	0	0
Connecticut	9,273	9,630	-3.7%	0	0	9,273	9,630	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	3,364	2,308	45.8%	0	0	3,364	2,308	0	0	0	0
New Hampshire	5,591	6,347	-11.9%	0	0	5,591	6,347	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	3,088	2,643	16.9%	0	0	3,088	2,643	0	0	0	0
Middle Atlantic	87,061	91,210	-4.5%	0	0	87,061	91,210	0	0	0	0
New Jersey	17,943	19,734	-9.1%	0	0	17,943	19,734	0	0	0	0
New York	24,468	25,503	-4.1%	0	0	24,468	25,503	0	0	0	0
Pennsylvania	44,649	45,973	-2.9%	0	0	44,649	45,973	0	0	0	0
East North Central	88,359	88,107	0.3%	14,834	12,982	73,525	75,125	0	0	0	0
Illinois	56,355	56,391	-0.1%	0	0	56,355	56,391	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	17,699	16,080	10.1%	14,834	12,982	2,865	3,098	0	0	0	0
Ohio	8,770	8,298	5.7%	0	0	8,770	8,298	0	0	0	0
Wisconsin	5,535	7,337	-24.6%	0	0	5,535	7,337	0	0	0	0
West North Central	27,541	21,215	29.8%	24,491	18,118	3,050	3,097	0	0	0	0
Iowa	3,050	3,097	-1.5%	0	0	3,050	3,097	0	0	0	0
Kansas	4,139	3,631	14.0%	4,139	3,631	0	0	0	0	0	0
Minnesota	7,946	6,127	29.7%	7,946	6,127	0	0	0	0	0	0
Missouri	6,222	4,446	39.9%	6,222	4,446	0	0	0	0	0	0
Nebraska	6,185	3,914	58.0%	6,185	3,914	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	113,831	114,530	-0.6%	105,876	106,578	7,955	7,951	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	15,839	14,556	8.8%	15,839	14,556	0	0	0	0	0	0
Georgia	18,826	18,525	1.6%	18,826	18,525	0	0	0	0	0	0
Maryland	7,955	7,951	0.1%	0	0	7,955	7,951	0	0	0	0
North Carolina	23,917	22,417	6.7%	23,917	22,417	0	0	0	0	0	0
South Carolina	29,427	33,652	-12.6%	29,427	33,652	0	0	0	0	0	0
Virginia	17,867	17,429	2.5%	17,867	17,429	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	44,855	46,562	-3.7%	44,855	46,562	0	0	0	0	0	0
Alabama	24,723	22,999	7.5%	24,723	22,999	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	5,055	6,395	-21.0%	5,055	6,395	0	0	0	0	0	0
Tennessee	15,076	17,168	-12.2%	15,076	17,168	0	0	0	0	0	0
West South Central	39,838	36,726	8.5%	17,534	15,139	22,305	21,587	0	0	0	0
Arkansas	7,730	6,010	28.6%	7,730	6,010	0	0	0	0	0	0
Louisiana	9,804	9,129	7.4%	9,804	9,129	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	22,305	21,587	3.3%	0	0	22,305	21,587	0	0	0	0
Mountain	19,107	19,050	0.3%	19,107	19,050	0	0	0	0	0	0
Arizona	19,107	19,050	0.3%	19,107	19,050	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	15,602	14,092	10.7%	15,602	14,092	0	0	0	0	0	0
California	9,972	9,735	2.4%	9,972	9,735	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	5,630	4,358	29.2%	5,630	4,358	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	457,510	452,421	1.1%	242,298	232,522	215,212	219,898	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells. NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State, by Sector, July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	614	804	-23.7%	81	121	497	639	NM	NM	36	43
Connecticut	26	41	-38.0%	NM	NM	23	38	0	0	0	0
Maine	310	365	-14.9%	0	0	275	325	0	0	35	40
Massachusetts	84	116	-27.7%	NM	NM	63	84	NM	NM	NM	NM
New Hampshire	103	151	-31.7%	29	41	74	109	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	90	130	-30.8%	30	46	60	81	0	0	0	NM
Middle Atlantic	2,358	2,498	-5.6%	1,928	1,891	425	600	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	2,195	2,257	-2.8%	1,874	1,787	316	463	NM	NM	NM	NM
Pennsylvania	162	237	-31.8%	54	104	108	133	0	0	0	0
East North Central	343	301	14.2%	307	268	NM	NM	NM	NM	NM	NM
Illinois	12	NM	NM	NM	NM	8	NM	NM	NM	0	0
Indiana	39	29	33.9%	39	29	0	0	0	0	0	0
Michigan	111	97	14.7%	101	88	NM	NM	0	0	NM	NM
Ohio	39	44	-10.7%	39	44	0	0	0	0	0	0
Wisconsin	141	117	21.0%	124	101	NM	NM	0	0	NM	NM
West North Central	1,057	874	20.9%	1,035	852	NM	NM	0	0	NM	NM
Iowa	67	67	-0.4%	67	67	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	NM	NM	NM	NM	NM	NM	NM	0	0	NM	NM
Missouri	55	79	-30.5%	55	79	0	0	0	0	0	0
Nebraska	115	105	9.4%	115	105	0	0	0	0	0	0
North Dakota	282	178	58.7%	282	178	0	0	0	0	0	0
South Dakota	493	406	21.5%	493	406	0	0	0	0	0	0
South Atlantic	922	2,189	-57.9%	755	1,819	105	229	NM	NM	60	139
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	NM	NM	NM	NM	NM	0	0	0	0	0	0
Georgia	228	465	-50.9%	226	462	NM	NM	0	0	NM	NM
Maryland	85	165	-48.2%	0	0	85	165	0	0	0	0
North Carolina	292	766	-61.8%	251	681	NM	NM	NM	NM	37	78
South Carolina	146	440	-66.8%	142	432	NM	NM	0	NM	0	0
Virginia	92	185	-50.4%	86	176	NM	NM	0	0	NM	NM
West Virginia	66	148	-55.6%	39	49	NM	42	0	0	21	57
East South Central	1,226	2,714	-54.8%	1,181	2,615	NM	NM	0	0	45	98
Alabama	469	1,226	-61.7%	469	1,226	0	0	0	0	0	0
Kentucky	200	338	-40.9%	199	337	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	557	1,150	-51.6%	512	1,052	0	0	0	0	45	98
West South Central	532	645	-17.5%	416	511	116	134	0	0	0	0
Arkansas	240	230	4.7%	239	224	NM	NM	0	0	0	0
Louisiana	112	125	-10.3%	0	0	112	125	0	0	0	0
Oklahoma	126	149	-15.5%	126	149	0	0	0	0	0	0
Texas	54	142	-62.2%	51	138	NM	NM	0	0	0	0
Mountain	3,695	3,299	12.0%	3,180	2,880	514	419	NM	0	0	0
Arizona	651	600	8.5%	651	600	0	0	0	0	0	0
Colorado	160	117	36.6%	138	104	NM	NM	NM	0	0	0
Idaho	1,167	1,049	11.2%	1,062	961	105	89	0	0	0	0
Montana	1,251	1,067	17.2%	870	757	381	310	0	0	0	0
Nevada	208	248	-16.0%	203	242	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	70	NM	NM	69	NM	NM	NM	0	0	0	0
Wyoming	167	143	16.5%	166	143	NM	NM	0	0	0	0
Pacific Contiguous	13,388	13,791	-2.9%	13,233	13,583	155	208	NM	NM	0	NM
California	2,361	3,251	-27.4%	2,253	3,085	108	165	NM	NM	0	0
Oregon	2,857	2,704	5.7%	2,832	2,679	NM	NM	0	0	0	0
Washington	8,170	7,837	4.2%	8,149	7,819	NM	NM	0	0	0	NM
Pacific Noncontiguous	133	125	6.5%	125	119	3	1	0	0	NM	NM
Alaska	122	117	4.7%	122	117	0	0	0	0	0	0
Hawaii	NM	NM	NM	NM	NM	3	1	0	0	NM	NM
U.S. Total	24,268	27,240	-10.9%	22,240	24,660	1,854	2,265	NM	NM	172	312

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.13.B. Net Generation from Hydroelectric (Conventional) Power

by State, by Sector, Year-to-Date through July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	4,852	5,374	-9.7%	643	767	3,944	4,289	NM	NM	261	314
Connecticut	222	258	-14.0%	NM	NM	203	236	0	0	0	0
Maine	2,300	2,554	-9.9%	0	0	2,059	2,265	0	0	241	289
Massachusetts	652	735	-11.3%	168	195	477	532	NM	NM	NM	NM
New Hampshire	938	981	-4.4%	201	255	732	720	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	738	844	-12.5%	254	296	470	531	0	0	NM	NM
Middle Atlantic	16,984	16,344	3.9%	13,162	12,426	3,780	3,870	NM	NM	39	44
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	14,965	14,594	2.5%	12,301	11,627	2,622	2,921	NM	NM	39	44
Pennsylvania	2,003	1,730	15.8%	861	800	1,142	930	0	0	0	0
East North Central	2,184	2,139	2.1%	1,943	1,910	153	145	NM	NM	84	81
Illinois	89	89	0.1%	NM	NM	55	51	NM	NM	0	0
Indiana	196	236	-16.9%	196	236	0	0	0	0	0	0
Michigan	740	683	8.4%	669	613	56	55	0	0	NM	NM
Ohio	220	300	-26.8%	220	300	0	0	0	0	0	0
Wisconsin	939	831	13.0%	826	724	NM	NM	NM	NM	69	66
West North Central	6,090	5,626	8.3%	5,933	5,476	109	100	0	0	49	50
Iowa	434	437	-0.6%	431	433	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	272	255	6.8%	132	119	92	85	0	0	49	50
Missouri	473	858	-44.9%	473	858	0	0	0	0	0	0
Nebraska	756	714	5.8%	756	714	0	0	0	0	0	0
North Dakota	1,471	1,199	22.7%	1,471	1,199	0	0	0	0	0	0
South Dakota	2,671	2,153	24.1%	2,671	2,153	0	0	0	0	0	0
South Atlantic	9,697	11,270	-14.0%	7,429	8,786	1,566	1,489	NM	NM	692	984
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	107	124	-13.7%	107	124	0	0	0	0	0	0
Georgia	1,966	2,111	-6.9%	1,945	2,088	NM	NM	0	0	NM	NM
Maryland	1,257	1,044	20.4%	0	0	1,257	1,044	0	0	0	0
North Carolina	2,999	4,219	-28.9%	2,629	3,670	NM	NM	9	NM	334	508
South Carolina	1,641	1,711	-4.1%	1,602	1,665	38	45	NM	NM	0	0
Virginia	898	965	-6.9%	848	907	42	48	0	0	NM	NM
West Virginia	828	1,096	-24.4%	297	331	196	313	0	0	336	452
East South Central	12,801	17,970	-28.8%	12,412	17,330	NM	NM	0	0	384	634
Alabama	5,970	8,489	-29.7%	5,970	8,489	0	0	0	0	0	0
Kentucky	1,825	2,138	-14.7%	1,820	2,133	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	5,007	7,342	-31.8%	4,623	6,708	0	0	0	0	384	634
West South Central	4,028	4,463	-9.7%	3,212	3,627	816	836	0	0	0	0
Arkansas	1,734	1,582	9.6%	1,706	1,547	NM	NM	0	0	0	0
Louisiana	765	774	-1.2%	0	0	765	774	0	0	0	0
Oklahoma	933	1,326	-29.6%	933	1,326	0	0	0	0	0	0
Texas	596	781	-23.6%	573	754	NM	NM	0	0	0	0
Mountain	21,869	20,285	7.8%	18,913	17,497	2,953	2,788	NM	0	0	0
Arizona	3,701	3,815	-3.0%	3,701	3,815	0	0	0	0	0	0
Colorado	1,169	914	28.0%	1,031	828	135	86	NM	0	0	0
Idaho	6,556	6,126	7.0%	6,026	5,662	530	464	0	0	0	0
Montana	7,569	6,658	13.7%	5,327	4,465	2,242	2,194	0	0	0	0
Nevada	1,689	1,754	-3.7%	1,655	1,719	NM	NM	0	0	0	0
New Mexico	139	122	13.6%	139	122	0	0	0	0	0	0
Utah	467	416	12.1%	462	412	NM	NM	0	0	0	0
Wyoming	579	481	20.4%	573	475	NM	NM	0	0	0	0
Pacific Contiguous	85,467	89,762	-4.8%	84,673	88,660	791	1,097	NM	NM	NM	NM
California	10,695	16,490	-35.1%	10,239	15,719	453	768	NM	NM	0	0
Oregon	23,078	21,783	5.9%	22,905	21,614	173	169	0	0	0	0
Washington	51,695	51,489	0.4%	51,529	51,327	166	160	0	0	NM	NM
Pacific Noncontiguous	954	903	5.6%	914	859	7	11	0	0	NM	NM
Alaska	897	843	6.5%	897	843	0	0	0	0	0	0
Hawaii	57	61	-6.1%	NM	NM	7	11	0	0	NM	NM
U.S. Total	164,928	174,134	-5.3%	149,234	157,337	14,125	14,632	NM	NM	1,543	2,141

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.14.A. Net Generation from Renewable Sources Excluding Hydroelectric by State, by Sector, July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	840	804	4.4%	71	70	573	505	17	14	179	215
Connecticut	59	56	4.5%	0	0	59	56	0	0	0	0
Maine	350	378	-7.4%	0	0	208	208	12	10	131	160
Massachusetts	206	178	15.9%	NM	NM	150	117	NM	NM	49	56
New Hampshire	161	132	22.0%	32	33	126	96	NM	NM	0	0
Rhode Island	11	9	18.3%	0	0	11	9	0	0	0	0
Vermont	54	51	4.5%	33	32	20	19	NM	NM	0	0
Middle Atlantic	1,028	827	24.2%	6	NM	878	705	64	56	79	61
New Jersey	169	139	21.6%	6	NM	133	111	29	23	NM	NM
New York	458	367	24.7%	0	0	411	323	23	22	24	22
Pennsylvania	401	321	24.8%	0	0	334	272	12	11	55	38
East North Central	1,582	1,329	19.0%	165	140	1,233	1,019	24	15	160	155
Illinois	562	478	17.6%	NM	NM	561	477	0	0	0	0
Indiana	211	166	26.6%	25	25	183	138	NM	NM	NM	NM
Michigan	439	345	27.2%	55	45	292	220	20	12	72	68
Ohio	128	116	10.7%	NM	NM	94	86	NM	NM	30	27
Wisconsin	242	224	8.1%	81	67	103	98	NM	NM	57	58
West North Central	3,279	2,850	15.0%	893	816	2,326	1,987	10	NM	51	42
Iowa	930	878	5.9%	490	446	434	428	NM	NM	3	2
Kansas	774	664	16.6%	65	70	709	594	0	0	0	0
Minnesota	744	670	11.0%	158	145	536	482	NM	NM	48	40
Missouri	74	64	15.5%	4	3	66	61	4	0	NM	NM
Nebraska	189	106	78.8%	19	18	169	86	NM	NM	0	0
North Dakota	375	312	19.9%	112	100	262	213	0	0	0	0
South Dakota	194	157	24.1%	45	34	150	123	0	0	0	0
South Atlantic	1,800	1,517	18.7%	168	121	722	572	37	31	873	792
Delaware	12	11	13.9%	NM	0	11	11	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	443	403	9.7%	25	27	231	188	NM	NM	184	186
Georgia	374	330	13.2%	0	0	56	56	NM	NM	315	271
Maryland	73	71	2.5%	NM	NM	62	53	NM	NM	6	13
North Carolina	311	250	24.6%	NM	NM	192	138	8	NM	111	111
South Carolina	163	163	-0.1%	33	41	NM	NM	0	0	128	120
Virginia	347	232	49.5%	107	52	90	69	20	21	129	91
West Virginia	77	56	38.0%	0	0	77	56	0	0	0	0
East South Central	544	555	-1.9%	8	9	24	24	NM	NM	511	522
Alabama	272	298	-8.8%	NM	NM	16	17	0	0	255	281
Kentucky	39	26	51.7%	8	8	0	0	0	0	31	17
Mississippi	141	135	4.5%	0	0	0	0	0	0	141	135
Tennessee	93	97	-4.0%	0	0	8	NM	NM	NM	84	89
West South Central	4,082	3,727	9.5%	139	152	3,464	3,106	NM	NM	472	465
Arkansas	140	145	-2.9%	0	0	7	7	NM	NM	133	137
Louisiana	232	215	7.6%	0	0	5	5	0	0	227	210
Oklahoma	809	802	1.0%	114	121	667	651	0	0	29	30
Texas	2,900	2,565	13.1%	26	31	2,785	2,443	NM	NM	84	88
Mountain	1,939	1,809	7.2%	180	149	1,715	1,618	9	NM	34	33
Arizona	340	221	54.3%	38	25	300	194	NM	NM	0	0
Colorado	454	552	-17.8%	9	4	441	544	NM	NM	NM	NM
Idaho	234	217	7.9%	11	9	190	176	0	0	33	32
Montana	101	88	14.0%	12	5	89	84	0	0	0	0
Nevada	340	309	10.0%	0	0	336	305	4	NM	NM	NM
New Mexico	187	166	12.8%	11	NM	176	160	NM	NM	0	0
Utah	102	87	16.6%	21	22	81	65	0	0	0	0
Wyoming	181	169	7.3%	79	77	102	91	0	0	0	0
Pacific Contiguous	5,628	5,159	9.1%	712	728	4,599	4,106	101	96	217	229
California	4,115	3,509	17.3%	283	255	3,669	3,088	98	94	64	72
Oregon	815	926	-12.1%	154	190	613	690	NM	NM	45	44
Washington	699	724	-3.4%	274	283	317	328	0	0	107	113
Pacific Noncontiguous	138	109	26.7%	12	NM	98	77	20	18	7	7
Alaska	10	NM	NM	NM	NM	NM	NM	0	0	NM	NM
Hawaii	128	100	27.8%	6	1	95	74	20	18	7	7
U.S. Total	20,859	18,686	11.6%	2,355	2,196	15,632	13,720	288	249	2,584	2,521

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells. NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.14.B. Net Generation from Renewable Sources Excluding Hydroelectric

by State, by Sector, Year-to-Date through July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector											
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector		
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	
New England	5,804	5,482	5.9%	524	487	3,978	3,610	112	93	1,191	1,292	
Connecticut	449	389	15.5%	0	0	449	389	0	0	0	0	
Maine	2,471	2,531	-2.4%	0	0	1,532	1,498	71	64	868	970	
Massachusetts	1,307	1,165	12.2%	48	42	915	792	20	9	323	323	
New Hampshire	1,071	944	13.4%	200	204	853	721	19	19	0	0	
Rhode Island	65	58	11.7%	0	0	65	58	0	0	0	0	
Vermont	442	394	12.0%	276	240	164	152	NM	NM	0	0	
Middle Atlantic	8,273	7,654	8.1%	36	33	7,369	6,856	372	364	496	402	
New Jersey	971	886	9.6%	36	33	779	708	155	145	NM	NM	
New York	3,747	3,359	11.6%	0	0	3,453	3,072	142	144	151	143	
Pennsylvania	3,555	3,409	4.3%	0	0	3,137	3,075	75	75	343	259	
East North Central	15,921	14,481	9.9%	1,530	1,442	13,277	11,914	129	111	985	1,014	
Illinois	6,783	6,261	8.3%	9	9	6,773	6,252	NM	NM	0	0	
Indiana	2,279	2,273	0.3%	135	165	2,121	2,084	13	14	10	10	
Michigan	3,807	2,895	31.5%	555	520	2,712	1,850	105	87	434	439	
Ohio	1,058	1,125	-5.9%	23	21	834	914	NM	NM	198	187	
Wisconsin	1,994	1,927	3.5%	807	727	837	814	8	NM	343	378	
West North Central	30,924	27,236	13.5%	9,199	8,525	21,340	18,374	72	48	314	290	
Iowa	9,952	9,383	6.1%	5,441	5,184	4,482	4,177	15	15	13	6	
Kansas	6,508	5,470	19.0%	545	514	5,962	4,956	0	0	0	0	
Minnesota	6,669	5,845	14.1%	1,439	1,312	4,908	4,230	24	23	297	279	
Missouri	773	760	1.7%	23	23	725	735	23	0	NM	NM	
Nebraska	1,475	1,022	44.4%	153	151	1,313	862	9	9	0	0	
North Dakota	3,801	3,186	19.3%	1,194	981	2,606	2,202	0	0	NM	NM	
South Dakota	1,746	1,570	11.2%	403	358	1,344	1,211	0	0	0	0	
South Atlantic	12,151	10,559	15.1%	1,028	680	5,068	4,320	250	202	5,805	5,356	
Delaware	77	69	10.5%	NM	0	68	67	NM	NM	0	0	
District of Columbia	0	0	--	0	0	0	0	0	0	0	0	
Florida	2,938	2,725	7.8%	166	162	1,572	1,311	19	20	1,179	1,231	
Georgia	2,419	2,027	19.3%	0	0	404	243	19	18	1,997	1,766	
Maryland	568	555	2.3%	8	NM	454	451	26	26	81	72	
North Carolina	1,903	1,667	14.1%	5	NM	1,139	905	49	NM	710	755	
South Carolina	1,292	1,144	12.9%	254	252	15	11	0	0	1,024	881	
Virginia	2,070	1,455	42.3%	589	256	532	415	135	132	815	651	
West Virginia	884	916	-3.4%	0	0	884	916	0	0	0	0	
East South Central	3,621	3,581	1.1%	55	56	181	179	NM	NM	3,382	3,344	
Alabama	1,820	1,887	-3.6%	NM	NM	115	119	0	0	1,704	1,767	
Kentucky	287	193	48.2%	54	55	0	0	0	0	233	138	
Mississippi	899	884	1.7%	1	0	0	0	0	0	899	884	
Tennessee	615	616	-0.1%	0	0	66	60	NM	NM	547	554	
West South Central	35,246	33,023	6.7%	1,201	1,163	30,986	28,736	31	24	3,028	3,099	
Arkansas	918	981	-6.4%	0	0	51	52	NM	NM	864	926	
Louisiana	1,473	1,441	2.2%	0	0	35	36	0	0	1,438	1,405	
Oklahoma	7,360	6,607	11.4%	1,019	969	6,156	5,444	0	0	185	195	
Texas	25,494	23,994	6.3%	182	194	24,744	23,205	28	21	541	574	
Mountain	17,765	15,781	12.6%	1,933	1,663	15,550	13,826	59	56	224	235	
Arizona	2,262	1,479	53.0%	197	155	2,050	1,312	15	NM	0	0	
Colorado	4,609	4,518	2.0%	112	46	4,474	4,451	21	18	NM	NM	
Idaho	2,106	1,894	11.2%	101	74	1,785	1,589	0	0	220	231	
Montana	1,144	941	21.6%	137	54	1,007	886	0	0	0	0	
Nevada	2,389	2,246	6.4%	0	0	2,367	2,220	20	23	NM	NM	
New Mexico	1,794	1,642	9.3%	61	38	1,730	1,601	NM	NM	0	0	
Utah	755	527	43.2%	158	134	597	394	0	0	0	0	
Wyoming	2,705	2,535	6.7%	1,166	1,162	1,539	1,373	0	0	0	0	
Pacific Contiguous	36,793	32,791	12.2%	4,989	4,655	29,700	26,002	650	643	1,455	1,491	
California	25,741	21,963	17.2%	1,653	1,399	23,030	19,470	636	629	421	465	
Oregon	5,528	5,437	1.7%	933	963	4,267	4,152	14	14	315	308	
Washington	5,524	5,390	2.5%	2,402	2,293	2,404	2,380	0	0	718	718	
Pacific Noncontiguous	836	718	16.4%	82	67	589	495	111	100	55	56	
Alaska	101	86	16.9%	67	54	34	31	0	0	NM	NM	
Hawaii	735	632	16.3%	15	12	555	465	111	100	55	55	
U.S. Total	167,336	151,306	10.6%	20,576	18,771	128,038	114,313	1,788	1,642	16,934	16,580	

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NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.15.A. Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	-45	-53	-15.3%	0	0	-45	-53	0	0	0	0
Connecticut	1	1	-50.9%	0	0	1	1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-46	-54	-16.0%	0	0	-46	-54	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	-71	-120	-40.8%	-35	-70	-36	-49	0	0	0	0
New Jersey	-22	-22	0.6%	-22	-22	0	0	0	0	0	0
New York	-14	-49	-72.2%	-14	-49	0	0	0	0	0	0
Pennsylvania	-36	-49	-28.0%	0	0	-36	-49	0	0	0	0
East North Central	-82	-101	-19.1%	-82	-101	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	-82	-101	-19.1%	-82	-101	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	-1	9	-112.4%	-1	9	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	-1	9	-112.4%	-1	9	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-328	-169	94.4%	-328	-169	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	-81	35	-331.7%	-81	35	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	-96	-73	31.1%	-96	-73	0	0	0	0	0	0
Virginia	-151	-130	15.6%	-151	-130	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-60	-1	NM	-60	-1	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	-60	-1	NM	-60	-1	0	0	0	0	0	0
West South Central	-3	-4	-32.8%	-3	-4	0	0	0	0	0	0
Arkansas	8	5	49.5%	8	5	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-10	-9	12.9%	-10	-9	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-13	-17	-26.5%	-13	-17	0	0	0	0	0	0
Arizona	17	13	25.6%	17	13	0	0	0	0	0	0
Colorado	-29	-30	-3.6%	-29	-30	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	135	111	21.3%	135	111	0	0	0	0	0	0
California	135	112	21.4%	135	112	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	23.9%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-467	-345	35.6%	-386	-242	-81	-103	0	0	0	0

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Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.15.B. Net Generation from Hydroelectric (Pumped Storage) Power

by State, by Sector, Year-to-Date through July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	-265	-167	58.5%	0	0	-265	-167	0	0	0	0
Connecticut	-1	-3	-71.8%	0	0	-1	-3	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-265	-165	60.7%	0	0	-265	-165	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	-548	-668	-17.9%	-243	-377	-305	-291	0	0	0	0
New Jersey	-126	-115	10.5%	-126	-115	0	0	0	0	0	0
New York	-116	-262	-55.6%	-116	-262	0	0	0	0	0	0
Pennsylvania	-305	-291	4.8%	0	0	-305	-291	0	0	0	0
East North Central	-446	-494	-9.8%	-446	-494	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	-446	-494	-9.8%	-446	-494	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	-1	262	-100.2%	-1	262	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	-1	262	-100.2%	-1	262	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-1,477	-1,412	4.6%	-1,477	-1,412	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	-214	-232	-7.6%	-214	-232	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	-509	-442	15.1%	-509	-442	0	0	0	0	0	0
Virginia	-754	-738	2.1%	-754	-738	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-255	-23	NM	-255	-23	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	-255	-23	NM	-255	-23	0	0	0	0	0	0
West South Central	-15	-32	-53.9%	-15	-32	0	0	0	0	0	0
Arkansas	55	23	140.3%	55	23	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-70	-55	26.4%	-70	-55	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-71	-141	-49.6%	-71	-141	0	0	0	0	0	0
Arizona	28	30	-6.9%	28	30	0	0	0	0	0	0
Colorado	-100	-172	-42.0%	-100	-172	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	-45	162	-127.9%	-45	162	0	0	0	0	0	0
California	-41	157	-126.4%	-41	157	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	-4	5	-173.8%	-4	5	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-3,123	-2,514	24.2%	-2,552	-2,055	-571	-459	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

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Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.16.A. Net Generation from Other Energy Sources
by State, by Sector, July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	Electric Utilities		Independent Power Producers		July 2014	July 2013	July 2014	July 2013
				July 2014	July 2013	July 2014	July 2013				
New England	170	186	-8.2%	0	0	151	167	9	9	11	10
Connecticut	52	65	-20.0%	0	0	52	65	0	0	0	0
Maine	35	38	-7.8%	0	0	18	21	9	9	8	8
Massachusetts	78	77	1.5%	0	0	75	75	0	0	3	2
New Hampshire	NM	6	NM	0	0	NM	6	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	222	214	3.9%	0	0	178	172	43	42	0	0
New Jersey	48	48	0.4%	0	0	35	35	13	13	0	0
New York	94	90	4.4%	0	0	73	70	21	20	0	0
Pennsylvania	80	75	5.4%	0	0	70	66	10	9	0	0
East North Central	112	102	10.5%	16	14	13	15	20	12	63	60
Illinois	23	23	-0.8%	0	0	0	0	0	0	23	23
Indiana	46	43	5.2%	10	11	0	0	NM	NM	34	31
Michigan	37	28	32.6%	3	1	13	15	18	11	2	2
Ohio	0	1	-24.8%	0	0	0	0	0	0	0	1
Wisconsin	6	6	-4.6%	3	3	0	0	0	0	NM	4
West North Central	48	43	11.3%	28	22	12	13	NM	3	5	5
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	37	38	-1.1%	17	16	12	13	NM	3	5	5
Missouri	7	1	652.4%	7	1	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	5	NM	NM	5	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	331	350	-5.4%	0	0	176	195	18	19	137	136
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	234	247	-5.2%	0	0	107	124	0	0	127	123
Georgia	7	9	-24.7%	0	0	0	0	0	0	7	9
Maryland	29	29	1.2%	0	0	29	29	NM	NM	0	0
North Carolina	13	14	-5.8%	0	0	13	14	0	0	0	0
South Carolina	3	4	-30.8%	0	0	0	0	0	0	3	4
Virginia	45	47	-4.5%	0	0	27	28	18	19	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	4	2	115.0%	2	1	0	0	0	0	2	NM
Alabama	0	0	-100.0%	0	0	0	0	0	0	0	0
Kentucky	2	1	76.9%	2	1	0	0	0	0	0	0
Mississippi	0	NM	NM	0	0	0	0	0	0	0	NM
Tennessee	2	0	NM	0	0	0	0	0	0	2	0
West South Central	75	80	-6.6%	0	0	0	0	0	0	75	80
Arkansas	1	2	-5.3%	0	0	0	0	0	0	1	2
Louisiana	34	40	-14.0%	0	0	0	0	0	0	34	40
Oklahoma	NM	NM	NM	0	0	0	0	0	0	NM	NM
Texas	37	37	1.5%	0	0	0	0	0	0	37	37
Mountain	31	51	-40.3%	NM	NM	17	30	0	0	11	19
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	5	5	3.6%	0	0	NM	NM	0	0	4	4
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	16	29	-45.1%	0	0	16	29	0	0	0	0
Nevada	NM	NM	NM	NM	NM	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	8	16	-50.1%	0	0	NM	NM	0	0	8	16
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	58	63	-7.5%	0	0	25	26	0	0	34	37
California	45	49	-7.7%	0	0	15	15	0	0	30	33
Oregon	NM	4	NM	0	0	NM	4	0	0	0	0
Washington	10	11	-6.5%	0	0	6	7	0	0	4	4
Pacific Noncontiguous	20	21	-7.5%	0	0	1	3	19	18	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	20	21	-7.5%	0	0	1	3	19	18	0	0
U.S. Total	1,071	1,112	-3.7%	48	40	573	621	112	103	338	349

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Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.16.B. Net Generation from Other Energy Sources

by State, by Sector, Year-to-Date through July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	1,108	1,215	-8.8%	0	0	985	1,095	56	55	67	65
Connecticut	355	441	-19.4%	0	0	355	441	0	0	0	0
Maine	203	218	-6.7%	0	0	97	112	56	55	50	52
Massachusetts	513	516	-0.7%	0	0	496	503	0	0	17	13
New Hampshire	36	40	-8.2%	0	0	36	40	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	1,352	1,371	-1.4%	0	0	1,081	1,098	271	273	0	0
New Jersey	299	304	-1.6%	0	0	219	221	80	83	0	0
New York	568	559	1.7%	0	0	438	430	130	129	0	0
Pennsylvania	484	508	-4.7%	0	0	424	447	61	61	0	0
East North Central	650	634	2.6%	85	85	95	93	107	91	363	365
Illinois	146	150	-2.7%	0	0	0	0	0	0	146	150
Indiana	232	243	-4.5%	56	59	0	0	11	11	165	173
Michigan	233	190	22.4%	14	6	95	93	96	79	28	12
Ohio	5	6	-13.7%	0	0	0	0	0	0	5	6
Wisconsin	34	45	-23.0%	16	21	0	0	0	0	19	24
West North Central	275	281	-2.2%	145	143	82	89	18	19	30	30
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	230	238	-3.7%	100	100	82	89	18	19	30	30
Missouri	15	9	69.3%	15	9	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	30	34	-10.4%	30	34	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	2,210	2,319	-4.7%	0	0	1,180	1,261	120	117	909	941
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,586	1,704	-6.9%	0	0	749	846	0	0	837	858
Georgia	48	44	8.5%	0	0	0	0	0	0	48	44
Maryland	181	178	1.7%	0	0	181	178	NM	NM	0	0
North Carolina	83	88	-5.7%	0	0	83	88	0	0	0	0
South Carolina	24	38	-38.2%	0	0	0	0	0	0	24	38
Virginia	288	266	8.2%	0	0	168	150	120	116	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	14	8	70.7%	8	6	0	0	0	0	6	2
Alabama	0	1	-88.2%	0	0	0	0	0	0	0	1
Kentucky	8	6	34.4%	8	6	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	6	0	NM	0	0	0	0	0	0	6	0
West South Central	500	516	-3.0%	0	0	0	0	0	0	500	516
Arkansas	9	14	-37.8%	0	0	0	0	0	0	9	14
Louisiana	252	252	0.1%	0	0	0	0	0	0	252	252
Oklahoma	12	13	-9.7%	0	0	0	0	0	0	12	13
Texas	228	237	-3.8%	0	0	0	0	0	0	228	237
Mountain	283	330	-14.2%	10	9	150	211	0	0	124	111
Arizona	0	3	-100.0%	0	0	0	3	0	0	0	0
Colorado	32	31	2.5%	0	0	8	8	0	0	24	23
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	139	197	-29.3%	0	0	139	197	0	0	0	0
Nevada	10	9	9.2%	10	9	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	102	90	13.9%	0	0	NM	NM	0	0	99	87
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	390	372	4.8%	0	0	157	167	0	0	233	204
California	287	269	6.9%	0	0	92	98	0	0	195	171
Oregon	24	26	-7.7%	0	0	24	26	0	0	0	0
Washington	79	77	1.6%	0	0	41	44	0	0	38	34
Pacific Noncontiguous	111	100	11.4%	0	0	4	3	107	96	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	111	100	11.4%	0	0	4	3	107	96	0	0
U.S. Total	6,892	7,145	-3.5%	248	243	3,734	4,018	680	651	2,231	2,233

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells. NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 1.17.A. Net Generation from Wind
by State, by Sector, July 2014 and 2013 (Thousand Megawatthours)**

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	Electric Utilities		Independent Power Producers		July 2014	July 2013	July 2014	July 2013
				July 2014	July 2013	July 2014	July 2013				
New England	120	101	18.8%	15	11	104	89	NM	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	67	57	17.8%	0	0	67	57	0	0	0	0
Massachusetts	13	10	24.4%	NM	NM	7	6	NM	NM	0	0
New Hampshire	23	21	11.7%	0	0	23	21	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	17	13	28.4%	11	8	6	5	0	0	0	0
Middle Atlantic	416	273	52.5%	0	0	415	272	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	237	148	60.3%	0	0	236	147	0	0	NM	NM
Pennsylvania	178	124	43.6%	0	0	178	124	0	0	0	0
East North Central	1,023	785	30.4%	115	85	906	699	NM	NM	NM	NM
Illinois	499	416	20.1%	NM	NM	498	415	0	0	0	0
Indiana	167	138	21.1%	0	0	167	138	NM	NM	0	0
Michigan	210	114	84.3%	55	45	155	69	0	0	0	0
Ohio	57	49	15.5%	NM	NM	54	47	0	0	NM	NM
Wisconsin	90	68	32.4%	58	38	32	30	0	0	0	0
West North Central	3,074	2,655	15.8%	846	767	2,226	1,886	NM	NM	0	0
Iowa	915	864	5.8%	488	444	427	420	NM	NM	0	0
Kansas	769	659	16.7%	65	70	704	589	0	0	0	0
Minnesota	575	504	14.0%	121	106	452	397	NM	NM	0	0
Missouri	62	59	6.3%	0	0	62	59	0	0	0	0
Nebraska	184	101	83.0%	15	14	169	86	0	0	0	0
North Dakota	375	312	19.9%	112	100	262	213	0	0	0	0
South Dakota	194	157	24.1%	45	34	150	123	0	0	0	0
South Atlantic	93	69	34.9%	0	0	93	69	NM	NM	0	0
Delaware	NM	NM	NM	0	0	0	0	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	17	14	20.2%	0	0	17	14	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	76	55	38.7%	0	0	76	55	0	0	0	0
East South Central	2	2	11.1%	0	0	2	2	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	2	2	11.1%	0	0	2	2	0	0	0	0
West South Central	3,463	3,179	9.0%	139	152	3,321	3,026	NM	NM	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	781	772	1.1%	114	121	667	651	0	0	0	0
Texas	2,683	2,407	11.5%	26	31	2,655	2,375	NM	NM	0	0
Mountain	1,119	1,172	-4.5%	111	95	1,007	1,075	NM	NM	NM	NM
Arizona	27	25	7.1%	0	0	27	25	0	0	0	0
Colorado	422	527	-20.1%	9	4	411	522	NM	NM	NM	NM
Idaho	182	165	10.5%	11	9	171	156	0	0	0	0
Montana	101	88	14.0%	12	5	89	84	0	0	0	0
Nevada	25	20	20.1%	0	0	25	20	0	0	0	0
New Mexico	125	124	0.8%	0	0	125	124	NM	NM	0	0
Utah	58	53	9.5%	0	0	58	53	0	0	0	0
Wyoming	181	169	7.3%	79	77	102	91	0	0	0	0
Pacific Contiguous	2,710	2,857	-5.1%	537	556	2,172	2,301	NM	NM	NM	NM
California	1,433	1,453	-1.4%	147	124	1,285	1,328	NM	NM	NM	NM
Oregon	725	836	-13.2%	148	183	578	653	0	0	0	0
Washington	552	568	-2.8%	243	248	309	320	0	0	0	0
Pacific Noncontiguous	75	55	37.4%	NM	NM	69	49	0	0	0	0
Alaska	10	NM	NM	NM	NM	NM	NM	0	0	0	0
Hawaii	66	46	41.8%	0	0	66	46	0	0	0	0
U.S. Total	12,096	11,146	8.5%	1,769	1,671	10,315	9,468	NM	NM	NM	NM

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Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.17.B. Net Generation from Wind

by State, by Sector, Year-to-Date through July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	1,207	1,064	13.5%	146	102	1,041	954	20	7	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	643	590	9.1%	0	0	643	590	0	0	0	0
Massachusetts	131	110	19.1%	37	35	74	67	20	7	0	0
New Hampshire	251	229	9.7%	0	0	251	229	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	180	134	34.3%	109	67	71	67	0	0	0	0
Middle Atlantic	4,511	4,132	9.2%	0	0	4,505	4,127	0	0	NM	NM
New Jersey	9	8	4.4%	0	0	9	8	0	0	0	0
New York	2,388	2,068	15.5%	0	0	2,382	2,063	0	0	NM	NM
Pennsylvania	2,114	2,056	2.9%	0	0	2,114	2,056	0	0	0	0
East North Central	12,470	10,989	13.5%	1,229	1,104	11,224	9,875	NM	NM	16	9
Illinois	6,385	5,856	9.0%	9	9	6,376	5,847	0	0	0	0
Indiana	2,040	2,083	-2.1%	0	0	2,039	2,082	NM	NM	0	0
Michigan	2,291	1,429	60.3%	555	520	1,736	910	0	0	0	0
Ohio	729	677	7.7%	10	9	703	659	0	0	16	9
Wisconsin	1,024	943	8.6%	654	566	370	377	0	0	0	0
West North Central	29,621	25,963	14.1%	8,901	8,225	20,701	17,720	19	18	0	0
Iowa	9,860	9,296	6.1%	5,424	5,167	4,434	4,128	NM	NM	0	0
Kansas	6,476	5,437	19.1%	545	514	5,930	4,923	0	0	0	0
Minnesota	5,592	4,767	17.3%	1,207	1,080	4,367	3,671	17	16	0	0
Missouri	707	723	-2.1%	0	0	707	723	0	0	0	0
Nebraska	1,440	986	46.0%	127	124	1,313	862	0	0	0	0
North Dakota	3,800	3,183	19.4%	1,194	981	2,606	2,202	0	0	0	0
South Dakota	1,746	1,570	11.2%	403	358	1,344	1,211	0	0	0	0
South Atlantic	1,058	1,117	-5.2%	0	0	1,056	1,114	NM	NM	0	0
Delaware	NM	NM	NM	0	0	0	0	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	178	205	-13.2%	0	0	178	205	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	878	910	-3.5%	0	0	878	910	0	0	0	0
East South Central	32	28	11.6%	0	0	32	28	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	32	28	11.6%	0	0	32	28	0	0	0	0
West South Central	31,481	29,373	7.2%	1,201	1,163	30,274	28,210	NM	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	7,175	6,412	11.9%	1,019	969	6,156	5,444	0	0	0	0
Texas	24,306	22,960	5.9%	182	194	24,118	22,766	NM	0	0	0
Mountain	12,443	11,515	8.1%	1,513	1,335	10,918	10,169	9	9	NM	NM
Arizona	318	310	2.7%	0	0	318	310	0	0	0	0
Colorado	4,432	4,360	1.6%	109	45	4,314	4,307	7	7	NM	NM
Idaho	1,767	1,525	15.9%	101	74	1,666	1,452	0	0	0	0
Montana	1,144	941	21.6%	137	54	1,007	886	0	0	0	0
Nevada	178	153	16.3%	0	0	178	153	0	0	0	0
New Mexico	1,474	1,380	6.8%	0	0	1,471	1,378	NM	NM	0	0
Utah	425	311	36.9%	0	0	425	311	0	0	0	0
Wyoming	2,705	2,535	6.7%	1,166	1,162	1,539	1,373	0	0	0	0
Pacific Contiguous	18,562	18,098	2.6%	3,862	3,598	14,696	14,497	NM	NM	NM	NM
California	9,112	8,854	2.9%	754	575	8,354	8,276	NM	NM	NM	NM
Oregon	4,880	4,814	1.4%	891	921	3,989	3,893	0	0	0	0
Washington	4,570	4,430	3.1%	2,217	2,102	2,353	2,328	0	0	0	0
Pacific Noncontiguous	451	375	20.1%	67	54	383	321	0	0	0	0
Alaska	101	85	18.2%	67	54	34	31	0	0	0	0
Hawaii	350	290	20.7%	0	0	350	290	0	0	0	0
U.S. Total	111,835	102,654	8.9%	16,919	15,581	94,830	87,014	60	40	26	19

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 1.18.A. Net Generation from Biomass
by State, by Sector, July 2014 and 2013 (Thousand Megawatthours)**

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	Electric Utilities		Independent Power Producers		July 2014	July 2013	July 2014	July 2013
				July 2014	July 2013	July 2014	July 2013				
New England	671	691	-2.8%	54	57	423	405	15	13	179	215
Connecticut	58	56	2.4%	0	0	58	56	0	0	0	0
Maine	283	322	-11.9%	0	0	141	152	12	10	131	160
Massachusetts	151	157	-4.1%	0	0	102	102	0	0	49	56
New Hampshire	137	111	23.9%	32	33	102	75	NM	NM	0	0
Rhode Island	8	8	1.3%	0	0	8	8	0	0	0	0
Vermont	34	37	-7.4%	22	24	12	12	NM	NM	0	0
Middle Atlantic	512	492	4.1%	0	0	387	387	48	46	77	59
New Jersey	88	87	0.4%	0	0	74	74	14	13	0	0
New York	212	214	-0.9%	0	0	166	170	23	22	24	22
Pennsylvania	212	190	11.4%	0	0	147	142	12	11	54	37
East North Central	527	532	-1.0%	48	54	297	310	23	14	158	153
Illinois	55	56	-2.3%	0	0	55	56	0	0	0	0
Indiana	28	28	-1.5%	25	25	0	0	NM	NM	NM	NM
Michigan	229	231	-1.0%	0	0	137	151	20	12	72	68
Ohio	63	61	4.1%	NM	NM	34	35	0	0	28	25
Wisconsin	152	156	-2.6%	23	29	71	68	NM	NM	57	58
West North Central	203	195	4.4%	47	49	97	100	8	NM	51	42
Iowa	15	14	9.2%	NM	3	7	8	NM	NM	3	2
Kansas	5	5	-2.9%	0	0	5	5	0	0	0	0
Minnesota	168	165	1.9%	37	39	83	85	NM	NM	48	40
Missouri	10	5	80.5%	4	3	NM	NM	4	0	NM	NM
Nebraska	5	5	-1.0%	4	4	0	0	NM	NM	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,557	1,375	13.2%	148	101	509	454	27	29	873	792
Delaware	5	5	-3.8%	0	0	5	5	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	417	378	10.3%	8	8	224	182	NM	NM	184	186
Georgia	361	330	9.4%	0	0	43	56	NM	NM	315	271
Maryland	44	51	-13.7%	0	0	35	35	NM	NM	6	13
North Carolina	219	215	1.9%	0	0	109	104	0	0	111	111
South Carolina	162	163	-0.5%	33	41	NM	NM	0	0	128	120
Virginia	347	232	49.5%	107	52	90	69	20	21	129	91
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	538	550	-2.1%	8	9	19	19	0	0	511	522
Alabama	272	298	-8.8%	NM	NM	16	17	0	0	255	281
Kentucky	39	26	51.7%	8	8	0	0	0	0	31	17
Mississippi	141	135	4.5%	0	0	0	0	0	0	141	135
Tennessee	87	91	-5.2%	0	0	NM	NM	0	0	84	89
West South Central	590	530	11.3%	0	0	115	62	NM	NM	472	465
Arkansas	140	145	-2.9%	0	0	7	7	NM	NM	133	137
Louisiana	232	215	7.6%	0	0	5	5	0	0	227	210
Oklahoma	29	30	-2.6%	0	0	0	0	0	0	29	30
Texas	189	141	34.2%	0	0	103	50	NM	NM	84	88
Mountain	74	59	25.9%	NM	2	39	25	0	0	33	32
Arizona	19	4	421.9%	NM	NM	17	NM	0	0	0	0
Colorado	5	5	-4.5%	0	0	5	5	0	0	0	0
Idaho	44	44	0.9%	0	0	11	12	0	0	33	32
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	5	5	-2.4%	0	0	5	5	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	820	825	-0.6%	53	58	461	450	90	88	216	228
California	595	591	0.6%	16	18	428	417	88	86	63	71
Oregon	78	78	0.1%	6	6	25	25	NM	NM	45	44
Washington	147	156	-5.7%	32	35	8	8	0	0	107	113
Pacific Noncontiguous	33	26	27.3%	6	1	0	0	20	18	7	7
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	33	26	27.2%	6	1	0	0	20	18	7	7
U.S. Total	5,526	5,275	4.7%	366	331	2,346	2,212	235	216	2,579	2,517

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.18.B. Net Generation from Biomass

by State, by Sector, Year-to-Date through July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	4,387	4,350	0.8%	366	377	2,738	2,596	92	85	1,191	1,292
Connecticut	442	389	13.6%	0	0	442	389	0	0	0	0
Maine	1,828	1,942	-5.9%	0	0	889	908	71	64	868	970
Massachusetts	998	998	-0.1%	0	0	675	675	NM	NM	323	323
New Hampshire	820	715	14.6%	200	204	601	492	19	19	0	0
Rhode Island	54	55	-2.1%	0	0	54	55	0	0	0	0
Vermont	245	251	-2.1%	167	173	77	76	NM	NM	0	0
Middle Atlantic	3,250	3,138	3.6%	0	0	2,466	2,440	301	306	483	391
New Jersey	561	568	-1.4%	0	0	476	480	84	88	0	0
New York	1,306	1,258	3.8%	0	0	1,018	977	142	144	146	137
Pennsylvania	1,383	1,312	5.5%	0	0	972	983	74	75	337	254
East North Central	3,278	3,419	-4.1%	292	330	1,892	1,976	126	107	969	1,005
Illinois	351	369	-4.8%	0	0	351	369	NM	NM	0	0
Indiana	157	187	-16.2%	135	165	0	0	12	13	10	10
Michigan	1,516	1,466	3.5%	0	0	977	940	105	87	434	439
Ohio	283	413	-31.3%	4	4	98	231	0	0	182	178
Wisconsin	970	984	-1.4%	153	161	466	437	8	NM	343	378
West North Central	1,295	1,272	1.9%	298	300	631	652	53	30	314	290
Iowa	92	87	5.8%	17	17	48	50	14	14	13	6
Kansas	32	33	-2.5%	0	0	32	33	0	0	0	0
Minnesota	1,075	1,076	-0.1%	232	233	538	557	7	NM	297	279
Missouri	60	38	60.1%	23	23	12	12	23	0	NM	NM
Nebraska	35	36	-2.1%	26	27	0	0	9	9	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	10,299	9,043	13.9%	901	561	3,403	2,938	189	189	5,805	5,356
Delaware	35	36	-2.5%	0	0	35	36	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,785	2,576	8.1%	59	53	1,529	1,273	18	19	1,179	1,231
Georgia	2,344	2,024	15.8%	0	0	332	242	15	15	1,997	1,766
Maryland	322	311	3.4%	0	0	220	217	21	22	81	72
North Carolina	1,449	1,492	-2.9%	0	0	739	737	0	0	710	755
South Carolina	1,288	1,144	12.6%	254	252	11	11	0	0	1,024	881
Virginia	2,070	1,455	42.3%	589	256	532	415	135	132	815	651
West Virginia	6	6	-2.3%	0	0	6	6	0	0	0	0
East South Central	3,567	3,534	1.0%	55	56	130	134	0	0	3,382	3,344
Alabama	1,820	1,887	-3.6%	NM	NM	115	119	0	0	1,704	1,767
Kentucky	287	193	48.2%	54	55	0	0	0	0	233	138
Mississippi	899	884	1.7%	1	0	0	0	0	0	899	884
Tennessee	561	569	-1.3%	0	0	14	15	0	0	547	554
West South Central	3,602	3,551	1.4%	0	0	552	429	22	23	3,028	3,099
Arkansas	918	981	-6.4%	0	0	51	52	NM	NM	864	926
Louisiana	1,473	1,441	2.2%	0	0	35	36	0	0	1,438	1,405
Oklahoma	185	195	-5.1%	0	0	0	0	0	0	185	195
Texas	1,026	935	9.8%	0	0	466	342	19	19	541	574
Mountain	477	449	6.1%	17	16	240	201	0	NM	220	231
Arizona	119	64	85.6%	14	14	105	49	0	NM	0	0
Colorado	36	36	2.0%	3	2	33	34	0	0	0	0
Idaho	281	308	-8.8%	0	0	62	77	0	0	220	231
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	8	8	-0.9%	0	0	8	8	0	0	0	0
Utah	33	34	-2.3%	0	0	33	34	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,285	5,275	0.2%	343	359	2,908	2,839	587	591	1,447	1,485
California	3,804	3,796	0.2%	120	131	2,696	2,629	574	578	413	459
Oregon	527	519	1.6%	37	38	161	159	14	14	315	308
Washington	954	960	-0.6%	185	190	51	52	0	0	718	718
Pacific Noncontiguous	181	169	7.0%	15	12	0	0	111	100	55	56
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	180	168	7.6%	15	12	0	0	111	100	55	55
U.S. Total	35,620	34,199	4.2%	2,287	2,011	14,960	14,207	1,481	1,432	16,893	16,549

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Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.19.A. Net Generation from Geothermal
by State, by Sector, July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	Electric Utilities		Independent Power Producers		July 2014	July 2013	July 2014	July 2013
				July 2014	July 2013	July 2014	July 2013				
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0	0	0	0	0
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	--	0	0	0	0	0	0	0	0
East North Central	0	0	--	0	0	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	0	0	--	0	0	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	0	--	0	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	268	261	2.5%	21	22	246	239	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	8	9	-5.8%	0	0	8	9	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	219	223	-1.9%	0	0	219	223	0	0	0	0
New Mexico	NM	0	--	0	0	NM	0	0	0	0	0
Utah	39	29	32.9%	21	22	18	7	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,071	1,117	-4.1%	72	74	1,000	1,043	0	0	0	0
California	1,063	1,106	-3.9%	72	74	991	1,032	0	0	0	0
Oregon	8	11	-22.6%	0	0	8	11	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	25	25	-2.5%	0	0	25	25	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	25	25	-2.5%	0	0	25	25	0	0	0	0
U.S. Total	1,364	1,404	-2.8%	93	96	1,271	1,308	0	0	0	0

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.19.B. Net Generation from Geothermal

by State, by Sector, Year-to-Date through July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0	0	0	0	0
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	--	0	0	0	0	0	0	0	0
East North Central	0	0	--	0	0	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	0	0	--	0	0	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	0	--	0	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	2,017	1,882	7.1%	158	134	1,859	1,748	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	57	60	-4.7%	0	0	57	60	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	1,654	1,641	0.8%	0	0	1,654	1,641	0	0	0	0
New Mexico	NM	0	--	0	0	NM	0	0	0	0	0
Utah	295	182	62.6%	158	134	137	48	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	7,279	7,595	-4.2%	492	477	6,787	7,118	0	0	0	0
California	7,173	7,503	-4.4%	492	477	6,682	7,026	0	0	0	0
Oregon	105	92	13.8%	0	0	105	92	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	177	158	12.0%	0	0	177	158	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	177	158	12.0%	0	0	177	158	0	0	0	0
U.S. Total	9,472	9,636	-1.7%	650	611	8,822	9,025	0	0	0	0

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.20.A. Net Generation from Solar
by State, by Sector, July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	Electric Utilities		Independent Power Producers		July 2014	July 2013	July 2014	July 2013
				July 2014	July 2013	July 2014	July 2013				
New England	49	NM	NM	NM	NM	46	NM	NM	NM	0	0
Connecticut	NM	0	--	0	0	NM	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	43	NM	NM	NM	NM	40	NM	NM	NM	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	100	62	59.7%	6	NM	76	47	16	NM	NM	NM
New Jersey	80	50	58.6%	6	NM	58	35	16	NM	NM	NM
New York	9	5	72.3%	0	0	9	5	0	0	0	0
Pennsylvania	11	NM	NM	0	0	9	NM	NM	NM	NM	NM
East North Central	32	NM	NM	NM	NM	30	NM	NM	NM	0	0
Illinois	8	NM	NM	0	0	8	NM	0	0	0	0
Indiana	16	NM	NM	0	0	16	NM	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	8	NM	NM	NM	NM	6	NM	NM	NM	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	NM	NM	0	0	NM	NM	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	NM	NM	NM	0	0	NM	NM	0	0	0	0
Missouri	NM	0	--	0	0	NM	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	150	72	108.3%	20	20	120	50	10	NM	0	0
Delaware	7	NM	NM	NM	0	6	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	25	25	0.2%	17	19	8	NM	NM	NM	0	0
Georgia	13	NM	NM	0	0	13	NM	NM	NM	0	0
Maryland	13	NM	NM	NM	NM	11	NM	NM	NM	0	0
North Carolina	92	35	165.4%	NM	NM	83	34	8	NM	0	0
South Carolina	NM	0	--	0	0	NM	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	NM	NM	NM	0	0	NM	NM	NM	NM	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	NM	NM	NM	0	0	NM	NM	NM	NM	0	0
West South Central	28	18	58.3%	0	0	28	18	NM	NM	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	28	18	58.3%	0	0	28	18	NM	NM	0	0
Mountain	477	317	50.7%	46	29	423	280	8	NM	NM	NM
Arizona	295	192	53.5%	36	23	257	167	NM	NM	0	0
Colorado	27	19	42.9%	0	0	25	17	NM	NM	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	96	65	47.8%	0	0	92	61	4	NM	NM	NM
New Mexico	59	41	45.8%	11	NM	49	35	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,027	361	184.6%	50	40	966	312	10	NM	NM	NM
California	1,024	359	185.5%	49	39	964	310	10	NM	NM	NM
Oregon	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Washington	0	0	-30.5%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	NM	NM	0	0	NM	NM	0	0	0	0
U.S. Total	1,874	861	117.7%	127	97	1,699	733	45	28	NM	NM

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.20.B. Net Generation from Solar

by State, by Sector, Year-to-Date through July 2014 and 2013 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	210	68	210.5%	11	NM	198	60	NM	NM	0	0
Connecticut	NM	0	--	0	0	NM	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	178	57	213.9%	11	NM	167	49	NM	NM	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	9	NM	NM	0	0	9	NM	0	0	0	0
Vermont	16	NM	NM	0	0	16	NM	0	0	0	0
Middle Atlantic	513	384	33.4%	36	33	398	289	72	57	7	NM
New Jersey	402	310	29.7%	36	33	294	219	70	57	NM	NM
New York	53	33	62.6%	0	0	53	33	0	0	0	0
Pennsylvania	58	42	38.3%	0	0	50	36	NM	NM	6	NM
East North Central	174	73	138.0%	9	NM	162	63	NM	NM	0	0
Illinois	46	36	28.4%	0	0	46	36	0	0	0	0
Indiana	82	NM	NM	0	0	82	NM	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	46	35	30.4%	9	NM	33	24	NM	NM	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	8	NM	NM	0	0	8	NM	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	NM	NM	NM	0	0	NM	NM	0	0	0	0
Missouri	NM	0	--	0	0	NM	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	794	399	99.0%	126	120	610	268	58	NM	0	0
Delaware	39	31	25.8%	NM	0	34	31	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	153	149	2.6%	108	110	44	38	NM	NM	0	0
Georgia	76	NM	NM	0	0	72	NM	NM	NM	0	0
Maryland	69	39	74.6%	8	NM	56	29	NM	NM	0	0
North Carolina	454	175	158.7%	5	NM	400	168	49	NM	0	0
South Carolina	NM	0	--	0	0	NM	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	22	19	19.9%	0	0	20	17	NM	NM	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	22	19	19.9%	0	0	20	17	NM	NM	0	0
West South Central	162	99	64.3%	0	0	160	97	NM	NM	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	162	99	64.3%	0	0	160	97	NM	NM	0	0
Mountain	2,829	1,935	46.2%	245	179	2,533	1,708	50	46	NM	NM
Arizona	1,825	1,105	65.2%	183	141	1,627	954	15	NM	0	0
Colorado	141	122	16.2%	0	0	128	110	14	NM	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	558	453	23.4%	0	0	536	427	20	23	NM	NM
New Mexico	302	254	19.1%	61	38	241	215	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,668	1,822	211.0%	293	221	5,309	1,548	61	49	NM	NM
California	5,651	1,809	212.3%	287	216	5,298	1,540	61	49	NM	NM
Oregon	16	NM	NM	NM	NM	11	NM	0	0	0	0
Washington	0	0	5.9%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	28	17	68.9%	0	0	28	17	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	28	17	68.9%	0	0	28	17	0	0	0	0
U.S. Total	10,409	4,817	116.1%	720	567	9,426	4,068	248	171	15	NM

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells. NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923. Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2004-July 2014 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	1,020,523	772,224	240,235	377	7,687
2005	1,041,448	761,349	272,218	377	7,504
2006	1,030,556	753,390	269,412	347	7,408
2007	1,046,795	764,765	276,581	361	5,089
2008	1,042,335	760,326	276,565	369	5,075
2009	934,683	695,615	234,077	317	4,674
2010	979,684	721,431	249,814	314	8,125
2011	934,938	689,316	239,541	347	5,735
2012	825,734	615,467	205,295	307	4,665
2013	860,790	639,290	216,566	309	4,624
2012					
January	70,744	52,338	17,967	29	410
February	62,974	46,908	15,665	27	374
March	57,468	43,413	13,640	26	388
April	51,806	39,920	11,507	23	356
May	62,801	46,900	15,517	22	361
June	71,656	53,708	17,543	26	379
July	86,516	64,433	21,603	28	452
August	82,676	61,480	20,730	28	439
Sept	69,478	51,516	17,558	24	381
October	66,486	49,060	17,044	21	361
November	69,913	51,276	18,245	25	366
December	73,217	54,516	18,275	27	398
2013					
January	74,985	55,784	18,811	31	359
February	67,141	49,137	17,629	28	347
March	70,395	52,109	17,863	29	393
April	60,899	45,635	14,899	23	342
May	64,737	48,361	15,956	26	394
June	75,178	56,074	18,665	28	410
July	83,223	61,415	21,335	28	444
August	81,984	61,498	20,055	26	404
Sept	72,704	53,246	19,047	23	388
October	66,359	49,556	16,412	20	371
November	65,902	49,712	15,797	22	371
December	77,283	56,761	20,096	25	401
2014					
January	83,710	62,409	20,839	34	429
February	76,350	56,180	19,747	32	391
March	72,320	52,911	18,970	29	410
April	58,747	42,240	16,142	21	344
May	64,097	47,905	15,797	20	375
June	74,579	56,672	17,468	24	415
July	81,631	61,327	19,853	24	428
Year to Date					
2012	463,965	347,620	113,443	182	2,721
2013	496,558	368,517	125,159	192	2,689
2014	511,435	379,643	128,815	184	2,793
Rolling 12 Months Ending in July					
2013	858,326	636,364	217,012	317	4,633
2014	875,667	650,416	220,222	301	4,728

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.1.B. Coal: Consumption for Useful Thermal Output, by Sector, 2004-July 2014 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	24,275	0	3,809	1,540	18,926
2005	23,833	0	3,918	1,544	18,371
2006	23,227	0	3,834	1,539	17,854
2007	22,810	0	3,795	1,566	17,449
2008	22,168	0	3,689	1,652	16,827
2009	20,507	0	3,935	1,481	15,091
2010	21,727	0	3,808	1,406	16,513
2011	21,532	0	3,628	1,321	16,584
2012	19,333	0	2,790	1,143	15,400
2013	18,587	0	2,494	1,103	14,989
2012					
January	2,021	0	289	127	1,605
February	1,797	0	232	108	1,458
March	1,609	0	212	101	1,295
April	1,370	0	166	79	1,125
May	1,518	0	230	86	1,202
June	1,486	0	229	83	1,174
July	1,598	0	247	91	1,260
August	1,631	0	275	93	1,264
Sept	1,473	0	235	83	1,154
October	1,545	0	239	80	1,226
November	1,600	0	218	99	1,283
December	1,685	0	218	113	1,354
2013					
January	1,688	0	203	117	1,369
February	1,544	0	178	111	1,255
March	1,671	0	242	107	1,322
April	1,468	0	191	86	1,191
May	1,498	0	226	88	1,183
June	1,469	0	225	78	1,166
July	1,523	0	236	75	1,212
August	1,503	0	234	79	1,190
Sept	1,434	0	199	77	1,157
October	1,550	0	196	78	1,276
November	1,585	0	179	98	1,308
December	1,654	0	186	109	1,359
2014					
January	1,700	0	211	115	1,374
February	1,585	0	217	115	1,253
March	1,707	0	246	113	1,349
April	1,476	0	210	90	1,176
May	1,446	0	194	74	1,178
June	1,384	0	203	67	1,114
July	1,442	0	200	76	1,166
Year to Date					
2012	11,400	0	1,605	675	9,120
2013	10,861	0	1,500	663	8,698
2014	10,741	0	1,481	649	8,611
Rolling 12 Months Ending in July					
2013	18,794	0	2,685	1,131	14,979
2014	18,467	0	2,475	1,090	14,902

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

**Table 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output,
by Sector, 2004-July 2014 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	1,044,798	772,224	244,044	1,917	26,613
2005	1,065,281	761,349	276,135	1,922	25,875
2006	1,053,783	753,390	273,246	1,886	25,262
2007	1,069,606	764,765	280,377	1,927	22,537
2008	1,064,503	760,326	280,254	2,021	21,902
2009	955,190	695,615	238,012	1,798	19,766
2010	1,001,411	721,431	253,621	1,720	24,638
2011	956,470	689,316	243,168	1,668	22,319
2012	845,066	615,467	208,085	1,450	20,065
2013	879,377	639,290	219,061	1,412	19,613
2012					
January	72,764	52,338	18,256	155	2,015
February	64,771	46,908	15,897	135	1,832
March	59,077	43,413	13,852	128	1,684
April	53,176	39,920	11,673	102	1,481
May	64,319	46,900	15,748	108	1,563
June	73,142	53,708	17,772	109	1,553
July	88,115	64,433	21,850	120	1,712
August	84,307	61,480	21,004	120	1,703
Sept	70,951	51,516	17,793	107	1,535
October	68,030	49,060	17,283	101	1,587
November	71,512	51,276	18,464	124	1,649
December	74,901	54,516	18,493	141	1,751
2013					
January	76,673	55,784	19,014	148	1,728
February	68,685	49,137	17,807	139	1,601
March	72,066	52,109	18,105	136	1,716
April	62,367	45,635	15,090	108	1,533
May	66,235	48,361	16,183	114	1,577
June	76,646	56,074	18,890	105	1,576
July	84,745	61,415	21,571	103	1,656
August	83,487	61,498	20,290	105	1,594
Sept	74,138	53,246	19,247	100	1,545
October	67,909	49,556	16,608	98	1,647
November	67,487	49,712	15,976	120	1,679
December	78,938	56,761	20,282	134	1,760
2014					
January	85,411	62,409	21,050	149	1,803
February	77,935	56,180	19,964	147	1,644
March	74,028	52,911	19,215	142	1,759
April	60,223	42,240	16,352	111	1,520
May	65,543	47,905	15,991	94	1,553
June	75,963	56,672	17,672	90	1,530
July	83,073	61,327	20,052	100	1,594
Year to Date					
2012	475,365	347,620	115,048	857	11,840
2013	507,418	368,517	126,659	855	11,387
2014	522,176	379,643	130,296	833	11,404
Rolling 12 Months Ending in July					
2013	877,120	636,364	219,696	1,447	19,612
2014	894,134	650,416	222,697	1,391	19,629

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation, by Sector, 2004-July 2014 (Thousand Barrels)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	165,107	103,793	56,342	760	4,212
2005	165,137	98,223	62,154	580	4,180
2006	73,821	53,529	17,179	327	2,786
2007	82,433	56,910	22,793	250	2,480
2008	53,846	38,995	13,152	160	1,538
2009	43,562	31,847	9,880	184	1,652
2010	40,103	30,806	8,278	164	855
2011	27,326	20,844	5,633	133	716
2012	22,604	17,521	4,110	272	702
2013	22,751	16,429	5,515	305	501
2012					
January	1,933	1,495	317	28	93
February	1,544	1,245	218	18	64
March	1,629	1,360	188	16	65
April	1,612	1,339	204	17	52
May	1,864	1,441	341	25	57
June	2,320	1,733	519	24	44
July	2,683	2,032	568	32	51
August	2,014	1,597	338	27	52
Sept	1,591	1,279	242	18	51
October	1,722	1,372	265	21	64
November	1,648	1,282	294	23	48
December	2,045	1,345	617	23	60
2013					
January	2,814	1,735	967	NM	59
February	1,819	1,214	536	NM	39
March	1,582	1,275	251	14	42
April	1,598	1,266	273	17	41
May	1,749	1,348	332	19	49
June	1,675	1,281	338	NM	35
July	2,706	1,848	772	42	45
August	1,775	1,422	289	19	44
Sept	1,602	1,170	381	NM	35
October	1,494	1,202	243	14	34
November	1,583	1,249	282	16	36
December	2,353	1,417	852	NM	43
2014					
January	10,375	4,600	5,466	NM	100
February	3,025	1,822	1,082	NM	54
March	3,522	1,876	1,520	NM	55
April	1,461	1,204	209	19	29
May	1,544	1,245	249	19	30
June	1,477	1,168	257	19	33
July	1,666	1,303	309	19	36
Year to Date					
2012	13,585	10,646	2,354	159	426
2013	13,943	9,968	3,468	198	309
2014	23,071	13,219	9,091	424	337
Rolling 12 Months Ending in July					
2013	22,963	16,843	5,224	NM	585
2014	31,878	19,680	11,139	NM	529

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output, by Sector, 2004-July 2014 (Thousand Barrels)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	20,654	0	1,501	1,203	17,951
2005	20,494	0	1,392	1,004	18,097
2006	14,077	0	1,153	559	12,365
2007	13,462	0	1,303	441	11,718
2008	7,533	0	1,311	461	5,762
2009	8,128	0	1,301	293	6,534
2010	4,866	0	1,086	212	3,567
2011	3,826	0	1,004	168	2,654
2012	3,097	0	992	122	1,984
2013	2,939	0	1,044	148	1,747
2012					
January	554	0	117	51	386
February	242	0	81	4	158
March	267	0	53	8	207
April	211	0	66	2	144
May	229	0	86	2	141
June	215	0	90	4	121
July	222	0	82	23	117
August	221	0	82	7	132
Sept	194	0	79	2	112
October	271	0	87	2	182
November	228	0	84	8	135
December	242	0	85	8	149
2013					
January	283	0	60	NM	199
February	256	0	79	NM	162
March	237	0	89	7	140
April	261	0	90	8	163
May	262	0	92	10	160
June	240	0	86	NM	144
July	254	0	90	18	146
August	245	0	90	9	146
Sept	207	0	94	NM	105
October	214	0	95	7	112
November	212	0	88	8	116
December	268	0	93	NM	155
2014					
January	676	0	172	NM	404
February	342	0	92	NM	215
March	338	0	105	NM	196
April	225	0	86	7	132
May	224	0	91	9	125
June	239	0	88	9	142
July	233	0	96	8	128
Year to Date					
2012	1,941	0	573	94	1,273
2013	1,793	0	585	94	1,114
2014	2,276	0	730	204	1,342
Rolling 12 Months Ending in July					
2013	2,949	0	1,003	NM	1,825
2014	3,422	0	1,190	NM	1,975

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.2.C. Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2004-July 2014 (Thousand Barrels)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	185,761	103,793	57,843	1,963	22,162
2005	185,631	98,223	63,546	1,584	22,278
2006	87,898	53,529	18,332	886	15,150
2007	95,895	56,910	24,097	691	14,198
2008	61,379	38,995	14,463	621	7,300
2009	51,690	31,847	11,181	477	8,185
2010	44,968	30,806	9,364	376	4,422
2011	31,152	20,844	6,637	301	3,370
2012	25,702	17,521	5,102	394	2,685
2013	25,690	16,429	6,559	453	2,249
2012					
January	2,487	1,495	433	79	479
February	1,787	1,245	299	22	222
March	1,897	1,360	241	24	272
April	1,824	1,339	270	18	196
May	2,093	1,441	427	27	198
June	2,534	1,733	608	28	165
July	2,905	2,032	650	55	167
August	2,236	1,597	421	34	184
Sept	1,784	1,279	322	20	163
October	1,993	1,372	351	23	246
November	1,875	1,282	378	32	184
December	2,287	1,345	702	31	209
2013					
January	3,097	1,735	1,027	NM	258
February	2,075	1,214	615	NM	201
March	1,818	1,275	339	22	182
April	1,859	1,266	363	25	204
May	2,011	1,348	424	30	209
June	1,915	1,281	424	NM	179
July	2,961	1,848	862	60	191
August	2,020	1,422	379	28	190
Sept	1,810	1,170	474	NM	139
October	1,708	1,202	339	21	146
November	1,795	1,249	370	24	152
December	2,621	1,417	945	NM	198
2014					
January	11,051	4,600	5,638	NM	504
February	3,367	1,822	1,174	NM	268
March	3,860	1,876	1,625	NM	252
April	1,686	1,204	295	26	160
May	1,768	1,245	340	28	155
June	1,715	1,168	345	28	175
July	1,900	1,303	405	27	164
Year to Date					
2012	15,526	10,646	2,928	253	1,699
2013	15,737	9,968	4,052	292	1,424
2014	25,347	13,219	9,822	628	1,679
Rolling 12 Months Ending in July					
2013	25,912	16,843	6,227	NM	2,410
2014	35,300	19,680	12,329	NM	2,504

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.A. Petroleum Coke: Consumption for Electricity Generation, by Sector, 2004-July 2014 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	7,677	4,150	2,985	1	541
2005	8,330	4,130	3,746	1	452
2006	7,363	3,619	3,286	1	456
2007	6,036	2,808	2,715	2	512
2008	5,417	2,296	2,704	1	416
2009	4,821	2,761	1,724	1	335
2010	4,994	3,325	1,354	2	313
2011	5,012	3,449	1,277	1	286
2012	3,675	2,105	756	1	812
2013	4,893	3,409	798	1	684
2012					
January	476	297	92	0	87
February	363	230	77	0	56
March	226	107	61	0	58
April	212	120	37	0	55
May	255	150	51	0	55
June	280	169	53	0	58
July	307	182	62	0	63
August	338	170	87	0	80
Sept	314	180	61	0	73
October	280	156	64	0	60
November	314	175	55	0	84
December	308	170	56	0	82
2013					
January	382	253	70	0	59
February	313	220	64	0	29
March	371	236	69	0	65
April	347	217	64	0	67
May	475	361	43	0	72
June	481	348	64	0	70
July	480	337	73	0	71
August	495	332	94	0	69
Sept	452	326	62	0	65
October	408	289	67	0	52
November	309	217	61	0	30
December	378	272	69	0	36
2014					
January	446	349	55	0	42
February	376	276	56	0	44
March	439	332	57	0	50
April	313	212	55	0	46
May	384	301	49	0	35
June	409	326	46	0	37
July	369	285	54	0	31
Year to Date					
2012	2,121	1,254	434	1	432
2013	2,850	1,972	445	1	432
2014	2,737	2,081	371	1	285
Rolling 12 Months Ending in July					
2013	4,404	2,823	768	1	812
2014	4,780	3,518	724	2	536

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output, by Sector, 2004-July 2014 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	1,043	0	237	8	798
2005	783	0	206	8	568
2006	1,259	0	195	9	1,055
2007	1,262	0	162	11	1,090
2008	897	0	119	9	769
2009	1,007	0	126	8	873
2010	1,059	0	98	11	950
2011	1,080	0	112	6	962
2012	1,346	0	113	11	1,222
2013	1,144	0	109	11	1,024
2012					
January	128	0	11	1	116
February	108	0	11	1	96
March	108	0	10	1	97
April	87	0	9	0	78
May	91	0	11	0	80
June	100	0	6	0	94
July	118	0	9	1	108
August	133	0	10	1	122
Sept	116	0	9	1	105
October	117	0	9	1	107
November	122	0	9	1	112
December	118	0	10	1	107
2013					
January	143	0	10	2	131
February	127	0	9	1	117
March	105	0	10	1	94
April	104	0	10	0	93
May	51	0	9	0	42
June	57	0	6	0	50
July	70	0	9	0	61
August	67	0	10	1	56
Sept	68	0	8	1	59
October	109	0	10	1	98
November	111	0	9	1	101
December	132	0	9	1	122
2014					
January	84	0	9	2	74
February	54	0	7	1	45
March	60	0	8	2	50
April	54	0	9	2	44
May	23	0	8	1	14
June	19	0	0	0	19
July	97	0	5	0	93
Year to Date					
2012	741	0	67	5	669
2013	657	0	64	5	588
2014	391	0	45	7	339
Rolling 12 Months Ending in July					
2013	1,262	0	110	11	1,141
2014	879	0	90	13	775

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2004-July 2014 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	8,721	4,150	3,223	9	1,339
2005	9,113	4,130	3,953	9	1,020
2006	8,622	3,619	3,482	10	1,511
2007	7,299	2,808	2,877	12	1,602
2008	6,314	2,296	2,823	10	1,184
2009	5,828	2,761	1,850	9	1,209
2010	6,053	3,325	1,452	12	1,264
2011	6,092	3,449	1,388	6	1,248
2012	5,021	2,105	869	13	2,034
2013	6,037	3,409	907	12	1,708
2012					
January	605	297	103	2	203
February	470	230	88	1	152
March	335	107	72	1	155
April	299	120	46	0	133
May	346	150	61	0	135
June	380	169	59	0	152
July	426	182	72	1	171
August	471	170	97	1	203
Sept	430	180	70	1	178
October	397	156	73	1	167
November	435	175	63	1	196
December	426	170	66	1	188
2013					
January	525	253	80	2	190
February	440	220	73	2	146
March	476	236	79	2	159
April	451	217	74	0	160
May	526	361	51	0	114
June	538	348	70	0	120
July	551	337	82	0	132
August	562	332	103	2	125
Sept	520	326	69	1	124
October	517	289	76	1	150
November	420	217	71	1	131
December	511	272	79	2	158
2014					
January	530	349	64	2	116
February	429	276	63	2	89
March	499	332	65	2	100
April	368	212	64	2	90
May	407	301	57	1	49
June	428	326	46	0	56
July	467	285	58	0	124
Year to Date					
2012	2,861	1,254	500	6	1,101
2013	3,507	1,972	509	5	1,020
2014	3,128	2,081	416	8	624
Rolling 12 Months Ending in July					
2013	5,666	2,823	878	12	1,953
2014	5,658	3,518	814	15	1,311

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2004-July 2014 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	5,674,580	1,809,443	3,265,896	32,839	566,401
2005	6,036,370	2,134,859	3,349,921	33,785	517,805
2006	6,461,615	2,478,396	3,412,826	34,623	535,770
2007	7,089,342	2,736,418	3,765,194	34,087	553,643
2008	6,895,843	2,730,134	3,612,197	33,403	520,109
2009	7,121,069	2,911,279	3,655,712	34,279	519,799
2010	7,680,185	3,290,993	3,794,423	39,462	555,307
2011	7,883,865	3,446,087	3,819,107	47,170	571,501
2012	9,484,710	4,101,927	4,686,260	63,116	633,407
2013	8,512,483	3,771,496	4,053,122	59,615	628,250
2012					
January	677,117	285,194	335,785	5,065	51,072
February	672,278	274,977	343,616	4,955	48,730
March	703,533	295,548	354,510	5,129	48,345
April	741,560	321,202	367,445	5,044	47,869
May	843,383	376,968	407,974	5,263	53,180
June	912,469	403,071	448,815	5,838	54,745
July	1,118,369	492,043	559,652	7,312	59,363
August	1,038,691	447,137	526,648	5,924	58,982
Sept	835,109	358,829	417,952	5,014	53,314
October	700,348	304,811	339,272	4,621	51,645
November	611,680	265,122	290,769	4,472	51,317
December	630,173	277,026	293,821	4,479	54,847
2013					
January	660,483	288,189	311,941	5,215	55,139
February	593,069	260,059	278,320	4,742	49,948
March	632,112	279,997	293,914	4,825	53,375
April	587,434	256,764	278,391	4,360	47,920
May	640,799	284,120	301,791	4,603	50,285
June	764,875	347,318	360,702	4,804	52,051
July	938,552	414,301	463,547	5,655	55,049
August	929,275	425,592	443,239	5,558	54,886
Sept	777,304	348,801	373,772	4,881	49,850
October	665,310	295,788	314,502	4,534	50,486
November	629,045	267,622	303,282	5,004	53,136
December	694,225	302,944	329,721	5,435	56,125
2014					
January	689,214	307,815	322,713	5,216	53,470
February	573,014	246,663	274,427	4,846	47,078
March	585,493	254,506	274,925	4,880	51,182
April	575,137	255,447	268,653	4,537	46,500
May	672,659	316,903	304,251	4,686	46,819
June	745,369	333,070	359,738	4,933	47,627
July	870,103	376,959	436,112	5,421	51,611
Year to Date					
2012	5,668,709	2,449,002	2,817,797	38,607	363,303
2013	4,817,324	2,130,748	2,288,605	34,203	363,767
2014	4,710,989	2,091,363	2,240,820	34,519	344,287
Rolling 12 Months Ending in July					
2013	8,633,325	3,783,673	4,157,068	58,712	633,872
2014	8,406,148	3,732,111	4,005,336	59,932	608,769

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

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Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2004-July 2014 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	1,052,100	0	388,424	39,233	624,443
2005	984,340	0	384,365	34,172	565,803
2006	942,817	0	330,878	33,112	578,828
2007	872,579	0	339,796	35,987	496,796
2008	793,537	0	326,048	32,813	434,676
2009	816,787	0	305,542	41,275	469,970
2010	821,775	0	301,769	46,324	473,683
2011	839,681	0	308,669	39,856	491,155
2012	886,103	0	322,607	47,883	515,613
2013	894,276	0	328,668	46,974	518,634
2012					
January	75,174	0	27,843	4,072	43,259
February	69,960	0	25,937	3,869	40,154
March	70,324	0	24,040	3,743	42,542
April	71,587	0	25,691	3,484	42,412
May	72,877	0	27,525	3,543	41,808
June	74,822	0	27,995	3,799	43,028
July	82,618	0	29,994	4,798	47,827
August	80,621	0	30,153	4,661	45,807
Sept	72,357	0	25,807	4,292	42,258
October	70,985	0	25,112	4,005	41,867
November	69,240	0	23,855	3,809	41,577
December	75,537	0	28,655	3,809	43,073
2013					
January	79,175	0	28,632	4,177	46,366
February	71,309	0	26,425	3,788	41,096
March	76,008	0	27,352	3,992	44,664
April	71,503	0	26,324	3,495	41,684
May	73,698	0	27,093	3,553	43,051
June	69,923	0	25,972	3,453	40,498
July	74,228	0	28,020	4,051	42,157
August	77,109	0	29,610	3,945	43,553
Sept	71,563	0	26,806	3,531	41,226
October	72,355	0	25,995	3,848	42,513
November	74,937	0	27,288	4,237	43,412
December	82,468	0	29,151	4,904	48,413
2014					
January	83,127	0	30,995	4,491	47,641
February	78,426	0	33,151	4,027	41,248
March	76,897	0	27,943	3,731	45,222
April	69,551	0	24,796	3,652	41,103
May	69,151	0	25,924	3,629	39,597
June	69,779	0	26,059	3,622	40,098
July	70,903	0	26,741	3,645	40,517
Year to Date					
2012	517,363	0	189,025	27,307	301,031
2013	515,844	0	189,818	26,510	299,516
2014	517,834	0	195,610	26,797	295,427
Rolling 12 Months Ending in July					
2013	884,584	0	323,400	47,086	514,098
2014	896,265	0	334,459	47,261	514,545

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2004-July 2014 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	6,726,679	1,809,443	3,654,320	72,072	1,190,844
2005	7,020,709	2,134,859	3,734,286	67,957	1,083,607
2006	7,404,432	2,478,396	3,743,704	67,735	1,114,597
2007	7,961,922	2,736,418	4,104,991	70,074	1,050,439
2008	7,689,380	2,730,134	3,938,245	66,216	954,785
2009	7,937,856	2,911,279	3,961,254	75,555	989,769
2010	8,501,960	3,290,993	4,096,192	85,786	1,028,990
2011	8,723,546	3,446,087	4,127,777	87,026	1,062,657
2012	10,370,812	4,101,927	5,008,867	110,999	1,149,020
2013	9,406,758	3,771,496	4,381,789	106,589	1,146,884
2012					
January	752,291	285,194	363,628	9,137	94,331
February	742,237	274,977	369,553	8,824	88,883
March	773,857	295,548	378,550	8,872	90,887
April	813,147	321,202	393,136	8,528	90,281
May	916,260	376,968	435,499	8,806	94,988
June	987,291	403,071	476,810	9,637	97,774
July	1,200,988	492,043	589,645	12,110	107,190
August	1,119,312	447,137	556,802	10,585	104,789
Sept	907,466	358,829	443,759	9,306	95,572
October	771,333	304,811	364,384	8,626	93,512
November	680,920	265,122	314,624	8,281	92,894
December	705,710	277,026	322,476	8,288	97,920
2013					
January	739,658	288,189	340,572	9,392	101,505
February	664,377	260,059	304,745	8,530	91,044
March	708,120	279,997	321,266	8,817	98,039
April	658,937	256,764	304,715	7,855	89,604
May	714,497	284,120	328,884	8,156	93,336
June	834,799	347,318	386,674	8,257	92,549
July	1,012,781	414,301	491,567	9,706	97,206
August	1,006,384	425,592	472,850	9,504	98,439
Sept	848,867	348,801	400,578	8,411	91,076
October	737,665	295,788	340,497	8,381	92,998
November	703,981	267,622	330,570	9,241	96,549
December	776,693	302,944	358,872	10,339	104,538
2014					
January	772,340	307,815	353,708	9,707	101,110
February	651,439	246,663	307,578	8,872	88,326
March	662,391	254,506	302,868	8,612	96,405
April	644,688	255,447	293,448	8,190	87,603
May	741,810	316,903	330,176	8,315	86,416
June	815,148	333,070	385,798	8,555	87,725
July	941,007	376,959	462,854	9,066	92,128
Year to Date					
2012	6,186,071	2,449,002	3,006,822	65,913	664,333
2013	5,333,168	2,130,748	2,478,424	60,713	663,284
2014	5,228,823	2,091,363	2,436,430	61,316	639,713
Rolling 12 Months Ending in July					
2013	9,517,909	3,783,673	4,480,468	105,798	1,147,970
2014	9,302,413	3,732,111	4,339,795	107,193	1,123,314

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.A. Landfill Gas: Consumption for Electricity Generation, by Sector, 2004-July 2014 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	143,844	11,250	125,848	4,081	2,665
2005	141,899	11,490	123,064	4,797	2,548
2006	160,033	16,617	136,108	6,644	664
2007	166,774	17,442	144,104	4,598	630
2008	195,777	20,465	169,547	5,235	530
2009	206,792	19,583	180,689	5,931	589
2010	218,331	19,975	192,428	5,535	393
2011	232,795	22,086	180,856	29,469	384
2012	256,376	25,193	201,965	26,672	2,545
2013	298,196	31,047	236,004	27,895	3,250
2012					
January	21,454	1,889	16,999	2,352	214
February	19,337	1,833	15,100	2,200	205
March	20,905	1,976	16,543	2,177	208
April	20,015	2,064	15,557	2,184	210
May	21,031	2,214	16,427	2,177	213
June	20,722	2,082	16,315	2,120	206
July	22,294	2,282	17,649	2,141	221
August	22,490	2,316	17,672	2,293	210
Sept	21,151	2,055	16,702	2,208	185
October	22,392	2,264	17,625	2,292	211
November	21,528	2,102	16,887	2,317	223
December	23,056	2,115	18,488	2,213	240
2013					
January	24,990	2,584	19,376	2,716	NM
February	21,769	2,232	17,024	2,234	NM
March	24,822	2,492	19,513	2,527	NM
April	22,833	2,393	18,395	1,793	251
May	25,017	2,693	20,025	2,069	NM
June	25,727	2,720	20,512	2,242	253
July	25,753	2,642	20,601	2,257	NM
August	25,255	2,678	20,060	2,270	NM
Sept	24,971	2,661	19,840	2,228	NM
October	25,321	2,631	19,887	2,513	290
November	24,535	2,529	19,307	2,406	293
December	27,202	2,791	21,463	2,639	NM
2014					
January	24,549	2,517	19,164	2,566	302
February	20,992	2,168	16,403	2,172	248
March	24,086	2,503	18,955	2,353	275
April	23,517	2,458	18,603	2,203	253
May	23,251	2,436	18,500	2,082	233
June	23,276	2,457	18,574	2,011	235
July	25,410	2,710	20,291	2,158	NM
Year to Date					
2012	145,758	14,340	114,591	15,350	1,477
2013	170,912	17,758	135,447	15,838	1,870
2014	165,081	17,249	130,489	15,545	1,798
Rolling 12 Months Ending in July					
2013	281,529	28,611	222,820	27,161	NM
2014	292,365	30,539	231,047	27,601	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.B. Landfill Gas: Consumption for Useful Thermal Output, by Sector, 2004-July 2014 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	2,174	0	735	10	1,429
2005	1,923	0	965	435	522
2006	2,051	0	525	1,094	433
2007	1,988	0	386	1,102	501
2008	1,025	0	454	433	138
2009	793	0	545	176	72
2010	1,623	0	1,195	370	58
2011	3,195	0	2,753	351	91
2012	3,189	0	2,788	340	61
2013	4,793	0	4,172	493	129
2012					
January	307	0	272	31	4
February	292	0	258	29	4
March	243	0	209	30	5
April	254	0	221	28	5
May	265	0	230	29	5
June	212	0	179	28	5
July	295	0	260	29	6
August	260	0	229	25	6
Sept	285	0	256	24	5
October	299	0	265	28	6
November	186	0	149	32	5
December	291	0	260	27	5
2013					
January	574	0	503	55	NM
February	447	0	389	46	NM
March	558	0	496	46	NM
April	300	0	261	37	2
May	327	0	287	31	NM
June	340	0	293	34	13
July	342	0	295	36	NM
August	335	0	289	35	NM
Sept	303	0	262	32	NM
October	415	0	361	44	10
November	385	0	330	47	8
December	468	0	406	50	NM
2014					
January	460	0	402	47	12
February	384	0	336	38	10
March	381	0	329	42	10
April	324	0	283	35	6
May	349	0	306	35	8
June	287	0	250	31	6
July	307	0	267	33	NM
Year to Date					
2012	1,867	0	1,629	204	35
2013	2,888	0	2,525	285	79
2014	2,492	0	2,172	261	59
Rolling 12 Months Ending in July					
2013	4,209	0	3,684	421	NM
2014	4,397	0	3,819	469	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.C. Landfill Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2004-July 2014 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	146,018	11,250	126,584	4,091	4,093
2005	143,822	11,490	124,030	5,232	3,070
2006	162,084	16,617	136,632	7,738	1,096
2007	168,762	17,442	144,490	5,699	1,131
2008	196,802	20,465	170,001	5,668	668
2009	207,585	19,583	181,234	6,106	661
2010	219,954	19,975	193,623	5,905	451
2011	235,990	22,086	183,609	29,820	474
2012	259,564	25,193	204,753	27,012	2,606
2013	302,989	31,047	240,176	28,388	3,378
2012					
January	21,761	1,889	17,271	2,382	218
February	19,629	1,833	15,358	2,229	209
March	21,149	1,976	16,752	2,207	213
April	20,269	2,064	15,777	2,212	216
May	21,295	2,214	16,658	2,206	218
June	20,934	2,082	16,494	2,147	211
July	22,588	2,282	17,909	2,170	227
August	22,750	2,316	17,901	2,317	216
Sept	21,436	2,055	16,958	2,232	190
October	22,691	2,264	17,890	2,320	217
November	21,714	2,102	17,036	2,349	227
December	23,347	2,115	18,747	2,240	245
2013					
January	25,565	2,584	19,879	2,771	NM
February	22,216	2,232	17,413	2,280	NM
March	25,379	2,492	20,010	2,573	NM
April	23,134	2,393	18,656	1,831	254
May	25,344	2,693	20,312	2,100	NM
June	26,067	2,720	20,806	2,276	265
July	26,095	2,642	20,896	2,292	NM
August	25,590	2,678	20,349	2,305	NM
Sept	25,274	2,661	20,102	2,260	NM
October	25,736	2,631	20,248	2,557	300
November	24,920	2,529	19,637	2,452	301
December	27,670	2,791	21,869	2,689	NM
2014					
January	25,009	2,517	19,566	2,612	314
February	21,376	2,168	16,739	2,210	258
March	24,467	2,503	19,284	2,395	285
April	23,841	2,458	18,885	2,238	259
May	23,600	2,436	18,806	2,117	241
June	23,563	2,457	18,823	2,042	241
July	25,717	2,710	20,557	2,191	NM
Year to Date					
2012	147,626	14,340	116,220	15,554	1,512
2013	173,800	17,758	137,971	16,123	1,948
2014	167,572	17,249	132,661	15,805	1,856
Rolling 12 Months Ending in July					
2013	285,739	28,611	226,504	27,581	NM
2014	296,762	30,539	234,866	28,070	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2004-July 2014 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	19,587	444	17,308	1,811	24
2005	19,370	560	17,033	1,753	25
2006	19,629	500	17,343	1,761	25
2007	19,576	553	17,116	1,785	122
2008	19,805	509	17,487	1,809	0
2009	19,669	465	17,048	2,155	0
2010	19,437	402	16,802	2,233	0
2011	16,972	388	14,625	1,955	4
2012	16,968	418	14,235	2,304	12
2013	15,876	456	13,191	2,220	9
2012					
January	1,361	30	1,147	183	1
February	1,274	27	1,067	179	1
March	1,380	36	1,151	192	0
April	1,362	38	1,134	189	1
May	1,485	41	1,235	207	1
June	1,473	37	1,238	196	1
July	1,519	35	1,284	199	1
August	1,468	40	1,232	195	1
Sept	1,389	30	1,161	197	1
October	1,407	38	1,174	194	1
November	1,398	34	1,180	182	1
December	1,454	31	1,231	190	1
2013					
January	1,240	32	1,037	170	NM
February	1,126	30	927	168	1
March	1,321	31	1,094	195	NM
April	1,286	43	1,060	182	1
May	1,379	43	1,156	179	NM
June	1,402	40	1,175	186	0
July	1,432	44	1,195	193	0
August	1,349	40	1,119	189	NM
Sept	1,304	38	1,082	183	0
October	1,307	41	1,076	189	1
November	1,254	40	1,028	186	1
December	1,477	35	1,242	199	1
2014					
January	1,287	28	1,065	192	1
February	1,129	24	944	160	1
March	1,344	38	1,120	185	1
April	1,301	44	1,077	179	1
May	1,346	42	1,126	177	1
June	1,325	40	1,104	181	1
July	1,407	44	1,166	196	1
Year to Date					
2012	9,854	245	8,256	1,345	7
2013	9,186	263	7,644	1,274	5
2014	9,138	261	7,602	1,270	5
Rolling 12 Months Ending in July					
2013	16,300	435	13,622	2,232	NM
2014	15,828	455	13,149	2,216	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2004-July 2014 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	2,743	0	651	1,628	464
2005	2,719	0	623	1,536	560
2006	2,840	0	725	1,595	520
2007	2,219	0	768	1,136	315
2008	2,328	0	806	1,514	8
2009	2,426	0	823	1,466	137
2010	2,287	0	819	1,316	152
2011	2,044	0	742	1,148	154
2012	1,986	0	522	1,273	190
2013	1,985	0	617	1,200	168
2012					
January	162	0	42	105	15
February	154	0	40	98	15
March	176	0	61	100	15
April	163	0	43	104	17
May	163	0	39	106	18
June	158	0	39	102	16
July	168	0	40	113	15
August	173	0	42	115	16
Sept	166	0	46	104	16
October	177	0	46	114	17
November	156	0	44	98	14
December	170	0	41	114	15
2013					
January	181	0	53	113	NM
February	166	0	49	104	14
March	170	0	56	100	NM
April	169	0	49	107	14
May	146	0	38	95	NM
June	173	0	55	103	15
July	171	0	53	103	14
August	158	0	51	93	NM
Sept	153	0	46	93	13
October	167	0	55	97	15
November	156	0	54	88	14
December	175	0	58	103	15
2014					
January	170	0	57	99	14
February	152	0	49	91	12
March	171	0	50	107	14
April	161	0	54	94	13
May	161	0	50	99	12
June	165	0	53	98	14
July	170	0	52	104	15
Year to Date					
2012	1,145	0	304	729	112
2013	1,177	0	353	726	98
2014	1,152	0	365	692	95
Rolling 12 Months Ending in July					
2013	2,018	0	571	1,271	NM
2014	1,960	0	629	1,166	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and

Useful Thermal Output, by Sector, 2004-July 2014 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2004	22,330	444	17,959	3,439	488
2005	22,089	560	17,655	3,289	584
2006	22,469	500	18,068	3,356	545
2007	21,796	553	17,885	2,921	437
2008	22,134	509	18,294	3,323	8
2009	22,095	465	17,872	3,622	137
2010	21,725	402	17,621	3,549	152
2011	19,016	388	15,367	3,103	158
2012	18,954	418	14,757	3,577	203
2013	17,862	456	13,808	3,420	177
2012					
January	1,523	30	1,189	288	16
February	1,427	27	1,106	278	16
March	1,557	36	1,212	293	15
April	1,525	38	1,177	293	18
May	1,648	41	1,274	313	20
June	1,631	37	1,277	299	18
July	1,688	35	1,325	311	16
August	1,641	40	1,274	310	17
Sept	1,555	30	1,207	301	18
October	1,583	38	1,220	308	18
November	1,554	34	1,224	280	15
December	1,623	31	1,272	304	16
2013					
January	1,421	32	1,090	284	NM
February	1,292	30	976	271	15
March	1,491	31	1,150	295	NM
April	1,455	43	1,109	289	15
May	1,526	43	1,195	275	NM
June	1,575	40	1,230	289	15
July	1,603	44	1,248	297	15
August	1,507	40	1,171	282	NM
Sept	1,456	38	1,129	276	14
October	1,474	41	1,131	286	16
November	1,410	40	1,082	274	15
December	1,652	35	1,300	302	16
2014					
January	1,457	28	1,123	290	15
February	1,281	24	992	251	13
March	1,515	38	1,170	292	15
April	1,462	44	1,130	274	14
May	1,507	42	1,177	276	13
June	1,491	40	1,157	279	14
July	1,577	44	1,217	300	15
Year to Date					
2012	10,998	245	8,561	2,074	118
2013	10,363	263	7,997	2,000	103
2014	10,290	261	7,966	1,962	100
Rolling 12 Months Ending in July					
2013	18,319	435	14,193	3,503	NM
2014	17,788	455	13,778	3,382	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.7.A. Consumption of Coal for Electricity Generation by State, by Sector, July 2014 and July 2013 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	117	382	-69.0%	27	70	89	311	0	0	1	1
Connecticut	33	56	-40.0%	0	0	33	56	0	0	0	0
Maine	1	1	54.0%	0	0	1	0	0	0	0	0
Massachusetts	56	256	-78.0%	0	0	55	255	0	0	1	1
New Hampshire	27	70	-61.0%	27	70	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	3,544	4,690	-24.0%	NM	NM	3,516	4,665	1	1	26	22
New Jersey	111	108	3.1%	0	0	111	108	0	0	0	0
New York	181	283	-36.0%	NM	NM	174	275	0	0	6	6
Pennsylvania	3,252	4,299	-24.0%	0	0	3,231	4,282	1	1	20	16
East North Central	17,427	18,426	-5.4%	12,274	13,409	5,052	4,911	7	8	94	98
Illinois	4,668	4,719	-1.1%	504	589	4,105	4,069	2	NM	57	60
Indiana	4,308	4,635	-7.1%	4,062	4,377	241	253	3	4	1	1
Michigan	2,927	3,050	-4.0%	2,896	3,013	18	22	2	2	12	13
Ohio	3,625	3,569	1.6%	2,931	2,994	688	567	NM	NM	6	7
Wisconsin	1,899	2,453	-23.0%	1,881	2,437	0	0	NM	NM	18	16
West North Central	13,185	13,505	-2.4%	13,035	13,347	0	0	6	9	144	148
Iowa	2,037	2,134	-4.5%	1,955	2,047	0	0	5	6	77	81
Kansas	1,928	1,918	0.5%	1,928	1,918	0	0	0	0	0	0
Minnesota	1,455	1,296	12.0%	1,423	1,264	0	0	0	0	32	32
Missouri	4,178	4,331	-3.5%	4,174	4,323	0	0	1	4	3	4
Nebraska	1,418	1,527	-7.2%	1,395	1,504	0	0	0	0	24	24
North Dakota	2,019	2,135	-5.4%	2,012	2,127	0	0	0	0	7	8
South Dakota	148	163	-9.4%	148	163	0	0	0	0	0	0
South Atlantic	12,260	11,995	2.2%	10,468	9,814	1,733	2,120	2	2	58	59
Delaware	30	99	-70.0%	0	0	30	99	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,219	2,105	5.4%	2,136	2,031	80	69	0	0	4	5
Georgia	2,583	2,249	15.0%	2,576	2,240	0	0	0	0	7	9
Maryland	627	818	-23.0%	0	0	621	812	NM	NM	4	3
North Carolina	1,830	2,028	-9.8%	1,764	1,952	61	71	0	0	4	5
South Carolina	1,213	922	32.0%	1,209	915	0	0	0	0	4	7
Virginia	825	1,107	-25.0%	764	1,030	48	65	NM	NM	12	12
West Virginia	2,934	2,668	10.0%	2,019	1,646	893	1,004	0	0	22	18
East South Central	8,658	7,874	10.0%	8,299	7,514	337	333	NM	NM	22	26
Alabama	2,513	2,225	13.0%	2,510	2,220	0	0	0	0	4	5
Kentucky	3,550	3,400	4.4%	3,550	3,400	0	0	0	0	0	0
Mississippi	801	684	17.0%	465	351	337	333	0	0	0	0
Tennessee	1,793	1,565	15.0%	1,775	1,543	0	0	NM	NM	18	22
West South Central	15,346	15,602	-1.6%	7,874	8,011	7,455	7,571	0	0	17	20
Arkansas	1,720	1,905	-9.7%	1,719	1,652	0	252	0	0	1	1
Louisiana	1,368	1,289	6.1%	751	779	617	510	0	0	NM	0
Oklahoma	1,725	1,907	-9.5%	1,592	1,782	116	106	0	0	16	19
Texas	10,534	10,501	0.3%	3,812	3,799	6,722	6,702	0	0	0	0
Mountain	10,263	10,108	1.5%	9,154	9,226	1,051	823	0	0	59	60
Arizona	2,185	2,106	3.8%	2,185	2,106	0	0	0	0	0	0
Colorado	1,806	1,719	5.0%	1,802	1,715	3	4	0	0	NM	NM
Idaho	2	2	-4.6%	0	0	0	0	0	0	2	2
Montana	921	699	32.0%	NM	NM	899	675	0	0	NM	NM
Nevada	396	345	15.0%	316	273	81	72	0	0	0	0
New Mexico	1,210	1,297	-6.7%	1,210	1,297	0	0	0	0	0	0
Utah	1,407	1,392	1.1%	1,339	1,321	NM	NM	0	0	39	40
Wyoming	2,335	2,548	-8.3%	2,279	2,490	NM	NM	0	0	17	17
Pacific Contiguous	728	533	37.0%	184	5	538	521	0	0	6	7
California	47	54	-12.0%	0	0	42	47	0	0	6	6
Oregon	184	5	NM	184	5	0	0	0	0	0	0
Washington	497	475	4.8%	0	0	496	474	0	0	1	1
Pacific Noncontiguous	102	107	-4.8%	11	17	82	81	7	7	NM	NM
Alaska	36	42	-15.0%	11	17	18	18	7	7	0	0
Hawaii	66	65	1.6%	0	0	64	63	0	0	NM	NM
U.S. Total	81,631	83,223	-1.9%	61,327	61,415	19,853	21,335	24	28	428	444

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.7.B. Consumption of Coal for Electricity Generation by State, by Sector, Year-to-Date through July 2014 and July 2013 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	1,944	1,914	1.6%	431	472	1,503	1,433	0	0	10	9
Connecticut	420	262	60.0%	0	0	420	262	0	0	0	0
Maine	14	9	47.0%	0	0	8	4	0	0	6	5
Massachusetts	1,079	1,170	-7.7%	0	0	1,075	1,166	0	0	4	4
New Hampshire	431	472	-8.7%	431	472	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	27,100	27,933	-3.0%	NM	NM	26,905	27,776	5	4	177	145
New Jersey	796	557	43.0%	0	0	796	557	0	0	0	0
New York	1,769	1,643	7.7%	NM	NM	1,717	1,594	0	0	39	41
Pennsylvania	24,535	25,734	-4.7%	0	0	24,393	25,625	5	4	138	105
East North Central	113,872	112,320	1.4%	80,627	80,049	32,523	31,582	51	58	670	630
Illinois	30,326	29,762	1.9%	3,316	3,768	26,612	25,615	12	17	386	362
Indiana	29,500	26,773	10.0%	27,957	25,174	1,514	1,569	21	22	8	8
Michigan	17,457	18,216	-4.2%	17,202	17,968	144	136	17	18	94	94
Ohio	23,865	23,793	0.3%	19,560	19,484	4,253	4,262	1	1	51	47
Wisconsin	12,724	13,775	-7.6%	12,592	13,656	0	0	1	1	131	118
West North Central	81,022	80,205	1.0%	80,007	79,237	0	0	48	50	967	918
Iowa	11,802	12,071	-2.2%	11,233	11,527	0	0	34	31	534	513
Kansas	10,967	10,974	-0.1%	10,967	10,974	0	0	0	0	0	0
Minnesota	9,644	7,783	24.0%	9,439	7,593	0	0	0	0	204	190
Missouri	25,985	26,170	-0.7%	25,946	26,130	0	0	14	19	25	20
Nebraska	8,771	8,957	-2.1%	8,617	8,810	0	0	0	0	154	147
North Dakota	12,746	13,135	-3.0%	12,697	13,088	0	0	0	0	49	47
South Dakota	1,107	1,115	-0.7%	1,107	1,115	0	0	0	0	0	0
South Atlantic	78,307	67,119	17.0%	65,008	55,335	12,911	11,420	20	20	368	344
Delaware	379	407	-6.8%	0	0	379	407	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	13,312	11,774	13.0%	12,955	11,455	331	293	0	0	26	26
Georgia	14,879	11,618	28.0%	14,814	11,554	0	0	0	0	65	64
Maryland	5,139	3,934	31.0%	0	0	5,099	3,898	12	12	27	23
North Carolina	12,563	11,199	12.0%	12,168	10,793	362	373	5	5	27	28
South Carolina	7,350	5,734	28.0%	7,308	5,697	0	0	0	0	42	36
Virginia	5,611	5,579	0.6%	5,098	5,192	447	319	NM	3	63	65
West Virginia	19,076	16,875	13.0%	12,664	10,644	6,293	6,130	0	0	119	101
East South Central	53,244	50,733	4.9%	51,253	48,857	1,815	1,697	4	3	172	177
Alabama	14,481	13,781	5.1%	14,451	13,751	NM	0	0	0	28	30
Kentucky	22,955	23,032	-0.3%	22,955	23,032	0	0	0	0	0	0
Mississippi	4,313	3,329	30.0%	2,499	1,632	1,814	1,697	0	0	0	0
Tennessee	11,495	10,592	8.5%	11,348	10,442	0	0	4	3	143	147
West South Central	90,372	87,473	3.3%	45,980	45,174	44,284	42,185	0	0	108	113
Arkansas	11,687	10,820	8.0%	10,545	9,466	1,133	1,339	0	0	9	15
Louisiana	7,050	8,244	-14.0%	2,594	3,889	4,454	4,354	0	0	NM	NM
Oklahoma	11,231	10,541	6.6%	10,473	9,839	662	604	0	0	96	97
Texas	60,404	57,868	4.4%	22,368	21,980	38,035	35,888	0	0	0	0
Mountain	61,675	65,211	-5.4%	55,392	58,227	6,012	6,688	0	0	270	295
Arizona	13,090	13,303	-1.6%	13,090	13,303	0	0	0	0	0	0
Colorado	10,526	10,985	-4.2%	10,505	10,963	18	19	0	0	3	3
Idaho	11	10	6.3%	0	0	0	0	0	0	11	10
Montana	5,276	5,914	-11.0%	136	145	5,134	5,764	0	0	6	6
Nevada	2,265	1,760	29.0%	1,820	1,332	445	428	0	0	0	0
New Mexico	6,975	8,477	-18.0%	6,975	8,477	0	0	0	0	0	0
Utah	8,498	8,862	-4.1%	8,181	8,477	177	216	0	0	140	169
Wyoming	15,034	15,900	-5.4%	14,685	15,530	238	262	0	0	111	109
Pacific Contiguous	3,199	2,992	6.9%	823	1,056	2,335	1,889	0	0	41	48
California	198	238	-17.0%	0	0	164	194	0	0	34	43
Oregon	823	1,056	-22.0%	823	1,056	0	0	0	0	0	0
Washington	2,177	1,698	28.0%	0	0	2,171	1,694	0	0	7	4
Pacific Noncontiguous	701	659	6.5%	108	101	527	490	55	57	10	11
Alaska	284	279	1.6%	108	101	120	121	55	57	0	0
Hawaii	418	380	10.0%	0	0	407	369	0	0	10	11
U.S. Total	511,435	496,558	3.0%	379,643	368,517	128,815	125,159	184	192	2,793	2,689

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.8.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, July 2014 and July 2013 (Thousand Barrels)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	55	216	-75.0%	9	46	40	154	NM	NM	NM	3
Connecticut	9	81	-89.0%	NM	NM	8	78	NM	NM	NM	NM
Maine	3	48	-93.0%	NM	NM	3	46	NM	NM	NM	0
Massachusetts	32	52	-38.0%	NM	17	29	30	NM	NM	NM	NM
New Hampshire	6	26	-76.0%	5	23	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	NM	2	NM	0	0	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	101	680	-85.0%	19	299	72	371	3	NM	6	7
New Jersey	NM	38	NM	NM	NM	NM	34	NM	NM	NM	NM
New York	56	506	-89.0%	19	296	28	202	2	NM	6	5
Pennsylvania	40	136	-70.0%	NM	NM	40	135	NM	NM	NM	NM
East North Central	90	107	-16.0%	75	79	13	27	NM	NM	2	NM
Illinois	11	16	-31.0%	5	7	6	9	NM	NM	NM	NM
Indiana	23	17	32.0%	22	17	NM	NM	NM	NM	2	0
Michigan	18	20	-14.0%	17	20	0	0	0	0	NM	NM
Ohio	30	48	-37.0%	23	30	7	18	NM	NM	NM	NM
Wisconsin	8	5	53.0%	8	5	NM	NM	NM	NM	NM	NM
West North Central	35	48	-27.0%	34	47	NM	NM	NM	NM	NM	0
Iowa	4	13	-70.0%	3	13	NM	NM	NM	NM	NM	NM
Kansas	NM	6	NM	NM	6	0	0	0	0	0	0
Minnesota	5	6	-18.0%	5	5	NM	NM	NM	NM	NM	0
Missouri	10	13	-22.0%	10	13	NM	NM	NM	NM	0	0
Nebraska	8	2	274.0%	8	2	0	0	0	0	0	0
North Dakota	3	7	-50.0%	3	7	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	340	418	-19.0%	286	305	35	77	NM	NM	8	11
Delaware	6	13	-49.0%	NM	NM	6	12	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	96	93	3.0%	92	88	NM	NM	0	0	NM	4
Georgia	10	12	-14.0%	NM	8	NM	NM	NM	NM	2	3
Maryland	22	73	-70.0%	NM	NM	11	46	NM	NM	0	0
North Carolina	22	40	-45.0%	20	38	NM	NM	NM	NM	NM	NM
South Carolina	NM	41	NM	NM	39	0	0	NM	NM	1	2
Virginia	159	109	46.0%	141	91	17	17	0	NM	NM	1
West Virginia	12	38	-67.0%	12	38	0	0	0	0	0	0
East South Central	54	52	3.6%	49	45	NM	NM	NM	NM	NM	7
Alabama	NM	15	NM	4	8	NM	NM	0	0	NM	6
Kentucky	30	22	41.0%	30	22	0	0	0	0	0	0
Mississippi	NM	1	NM	NM	1	0	0	0	0	0	0
Tennessee	13	15	-11.0%	13	15	0	0	NM	NM	NM	NM
West South Central	18	141	-87.0%	9	130	9	10	NM	NM	NM	1
Arkansas	1	125	-99.0%	1	124	0	1	0	0	0	0
Louisiana	6	8	-15.0%	2	1	5	6	0	0	0	1
Oklahoma	1	NM	NM	1	NM	0	0	NM	NM	NM	NM
Texas	9	8	13.0%	5	4	4	4	NM	NM	NM	NM
Mountain	34	25	36.0%	26	23	7	1	NM	NM	NM	0
Arizona	7	6	28.0%	7	6	0	0	NM	NM	0	0
Colorado	NM	2	NM	NM	2	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	7	1	875.0%	NM	NM	7	1	0	0	0	0
Nevada	3	3	10.0%	2	2	0	0	0	0	0	0
New Mexico	8	5	72.0%	8	5	NM	NM	0	0	NM	NM
Utah	4	3	44.0%	4	3	NM	NM	0	0	NM	NM
Wyoming	3	6	-39.0%	3	5	0	0	0	0	NM	0
Pacific Contiguous	14	15	-10.0%	8	9	NM	4	NM	NM	1	2
California	9	8	15.0%	6	6	NM	NM	NM	NM	NM	1
Oregon	2	1	46.0%	2	1	0	0	NM	NM	0	0
Washington	3	6	-53.0%	NM	2	2	2	NM	NM	1	1
Pacific Noncontiguous	926	1,005	-7.8%	789	864	126	127	NM	2	11	12
Alaska	103	108	-4.6%	95	100	0	0	NM	NM	7	8
Hawaii	823	897	-8.2%	693	765	126	127	0	1	NM	4
U.S. Total	1,666	2,706	-38.0%	1,303	1,848	309	772	19	42	36	45

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.8.B. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, Year-to-Date through July 2014 and July 2013 (Thousand Barrels)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	3,386	1,218	178.0%	456	215	2,758	925	126	54	45	24
Connecticut	837	379	121.0%	NM	4	818	371	NM	NM	NM	NM
Maine	461	324	42.0%	NM	NM	433	309	NM	NM	17	10
Massachusetts	1,509	345	337.0%	225	90	1,206	221	NM	24	16	10
New Hampshire	445	112	296.0%	202	102	220	NM	NM	10	NM	NM
Rhode Island	87	37	136.0%	2	12	82	24	NM	NM	0	0
Vermont	NM	NM	NM	NM	7	0	0	NM	NM	0	0
Middle Atlantic	5,149	1,935	166.0%	1,535	722	3,527	1,154	NM	NM	55	47
New Jersey	701	135	419.0%	NM	NM	689	128	NM	NM	NM	NM
New York	3,363	1,373	145.0%	1,526	717	1,763	604	NM	NM	47	43
Pennsylvania	1,086	427	154.0%	NM	NM	1,076	422	NM	NM	NM	NM
East North Central	990	719	38.0%	685	587	283	121	NM	NM	20	10
Illinois	110	90	22.0%	NM	33	67	57	NM	NM	NM	NM
Indiana	183	148	24.0%	172	143	NM	NM	NM	NM	11	5
Michigan	167	166	0.6%	161	162	0	0	1	1	4	3
Ohio	455	273	67.0%	241	210	209	62	NM	NM	NM	NM
Wisconsin	76	42	79.0%	69	39	6	3	NM	NM	1	NM
West North Central	496	374	33.0%	472	367	21	3	NM	NM	2	2
Iowa	88	102	-14.0%	85	100	NM	2	NM	NM	NM	NM
Kansas	68	68	-0.4%	68	68	0	0	0	0	0	0
Minnesota	95	29	227.0%	74	26	19	1	NM	NM	1	1
Missouri	166	95	75.0%	166	95	NM	NM	NM	NM	0	0
Nebraska	39	30	30.0%	39	30	0	0	0	0	0	0
North Dakota	27	37	-28.0%	26	37	0	0	NM	NM	1	1
South Dakota	13	12	13.0%	13	11	NM	NM	NM	NM	0	0
South Atlantic	5,457	1,894	188.0%	3,688	1,410	1,433	287	NM	120	84	78
Delaware	249	34	626.0%	NM	NM	249	33	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	821	573	43.0%	789	546	NM	NM	0	0	25	20
Georgia	259	110	136.0%	174	83	59	NM	NM	NM	24	25
Maryland	994	299	232.0%	NM	7	734	174	NM	118	0	0
North Carolina	705	237	198.0%	642	222	51	10	NM	NM	13	5
South Carolina	483	139	247.0%	446	128	23	0	NM	NM	14	11
Virginia	1,764	346	409.0%	1,488	270	267	81	1	1	9	15
West Virginia	181	156	16.0%	139	154	43	2	0	0	0	0
East South Central	600	396	52.0%	532	357	23	NM	NM	NM	44	38
Alabama	175	106	64.0%	109	70	23	NM	0	0	43	35
Kentucky	166	135	23.0%	166	135	0	0	0	0	0	0
Mississippi	NM	16	NM	NM	14	0	0	0	0	0	2
Tennessee	242	138	75.0%	241	138	0	0	NM	NM	NM	NM
West South Central	222	334	-34.0%	103	195	110	120	NM	NM	9	19
Arkansas	23	163	-86.0%	15	142	5	20	0	0	2	1
Louisiana	55	59	-8.1%	18	15	32	28	0	0	5	16
Oklahoma	15	11	40.0%	15	10	0	0	NM	NM	NM	NM
Texas	129	101	28.0%	54	27	73	72	NM	NM	NM	NM
Mountain	273	225	22.0%	244	203	26	19	NM	NM	2	2
Arizona	79	46	72.0%	79	46	0	0	NM	NM	0	0
Colorado	NM	13	NM	NM	13	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	23	15	59.0%	NM	NM	23	15	0	0	0	0
Nevada	16	18	-11.0%	14	14	2	3	0	0	0	0
New Mexico	71	52	38.0%	71	51	NM	NM	0	0	NM	NM
Utah	36	37	-2.7%	34	35	NM	NM	0	0	NM	NM
Wyoming	36	45	-20.0%	34	43	0	0	0	0	2	2
Pacific Contiguous	87	92	-5.3%	NM	45	23	22	NM	NM	13	24
California	50	51	-2.1%	33	33	14	NM	NM	NM	NM	7
Oregon	NM	NM	NM	11	8	0	0	NM	NM	0	0
Washington	26	33	-20.0%	NM	NM	9	12	NM	NM	10	17
Pacific Noncontiguous	6,410	6,757	-5.1%	5,453	5,867	NM	815	8	8	62	67
Alaska	638	697	-8.4%	614	654	0	0	5	5	20	38
Hawaii	5,772	6,060	-4.8%	4,839	5,213	NM	815	3	3	NM	29
U.S. Total	23,071	13,943	65.0%	13,219	9,968	9,091	3,468	424	198	337	309

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Table 2.9.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector,
July 2014 and July 2013 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	119	99	21.0%	68	45	45	47	0	0	7	7
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	30	38	-20.0%	30	38	0	0	0	0	0	0
Michigan	39	6	576.0%	35	0	2	3	0	0	NM	NM
Ohio	43	44	-2.0%	0	0	43	44	0	0	NM	NM
Wisconsin	7	11	-38.0%	3	7	0	0	0	0	4	4
West North Central	0	0	182.0%	0	0	0	0	0	0	0	0
Iowa	0	0	182.0%	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3	109	-98.0%	0	106	0	0	0	0	3	3
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	106	-100.0%	0	106	0	0	0	0	0	0
Georgia	3	3	4.9%	0	0	0	0	0	0	3	3
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	32	47	-32.0%	32	47	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	32	47	-32.0%	32	47	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	202	201	0.4%	184	139	0	9	0	0	17	52
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	192	154	25.0%	184	139	0	0	0	0	NM	NM
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	NM	47	NM	0	0	0	9	0	0	NM	38
Mountain	7	15	-51.0%	0	0	7	15	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	7	15	-51.0%	0	0	7	15	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
California	NM	NM	NM	0	0	NM	NM	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	369	480	-23.0%	285	337	54	73	0	0	31	71

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Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.9.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, Year-to-Date through July 2014 and July 2013 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	53	44	20.0%	0	0	0	0	0	0	53	44
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	28	29	-2.4%	0	0	0	0	0	0	28	29
East North Central	755	582	30.0%	421	223	291	316	0	0	43	42
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	187	208	-10.0%	187	208	0	0	0	0	0	0
Michigan	238	36	564.0%	203	0	15	21	0	0	20	15
Ohio	278	297	-6.6%	0	0	276	296	0	0	2	2
Wisconsin	53	41	30.0%	31	15	0	0	0	0	21	25
West North Central	1	1	62.0%	0	0	0	0	1	1	0	0
Iowa	1	1	62.0%	0	0	0	0	1	1	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	461	471	-2.0%	442	447	0	0	0	0	20	24
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	442	447	-1.1%	442	447	0	0	0	0	0	0
Georgia	20	24	-18.0%	0	0	0	0	0	0	20	24
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	206	302	-32.0%	206	302	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	206	302	-32.0%	206	302	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1,181	1,337	-12.0%	1,011	1,000	0	14	0	0	169	322
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,098	1,072	2.4%	1,011	1,000	0	0	0	0	87	72
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	82	265	-69.0%	0	0	0	14	0	0	82	250
Mountain	75	97	-23.0%	0	0	75	97	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	75	97	-23.0%	0	0	75	97	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	17	NM	0	0	NM	17	0	0	0	0
California	NM	17	NM	0	0	NM	17	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	2,737	2,850	-4.0%	2,081	1,972	371	445	1	1	285	432

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Table 2.10.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, July 2014 and July 2013 (Million Cubic Feet)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	45,088	48,787	-7.6%	944	779	41,926	45,309	839	855	1,379	1,844
Connecticut	11,828	12,040	-1.8%	1	21	11,166	11,347	384	383	277	288
Maine	4,633	3,608	28.0%	0	0	3,648	2,180	NM	NM	956	1,400
Massachusetts	18,678	22,891	-18.0%	737	647	17,453	21,736	354	365	134	143
New Hampshire	3,996	4,166	-4.1%	203	108	3,768	4,032	NM	NM	NM	NM
Rhode Island	5,949	6,079	-2.1%	0	0	5,891	6,014	NM	NM	0	0
Vermont	3	3	2.1%	3	3	0	0	0	0	0	0
Middle Atlantic	118,798	126,937	-6.4%	12,685	16,029	104,570	109,217	653	772	890	919
New Jersey	27,729	28,169	-1.6%	0	NM	27,276	27,651	NM	NM	325	334
New York	50,474	61,519	-18.0%	12,681	15,967	37,215	44,865	407	519	172	167
Pennsylvania	40,594	37,249	9.0%	NM	NM	40,079	36,701	NM	NM	392	417
East North Central	35,702	58,217	-39.0%	13,342	22,503	20,311	33,434	1,206	1,323	843	957
Illinois	4,008	11,328	-65.0%	NM	1,309	2,712	9,013	693	752	221	255
Indiana	5,516	9,132	-40.0%	3,228	6,083	2,007	2,777	NM	NM	248	237
Michigan	5,367	12,534	-57.0%	1,404	4,684	3,557	7,276	170	215	235	358
Ohio	16,207	17,671	-8.3%	5,715	6,470	10,126	10,814	NM	NM	NM	NM
Wisconsin	4,605	7,551	-39.0%	2,615	3,956	1,908	3,554	NM	19	NM	23
West North Central	10,712	19,203	-44.0%	8,941	16,676	1,420	2,143	186	223	165	160
Iowa	1,092	2,393	-54.0%	1,063	2,377	NM	NM	NM	NM	NM	NM
Kansas	2,391	3,244	-26.0%	2,289	3,146	0	0	0	0	NM	NM
Minnesota	2,058	6,509	-68.0%	1,628	5,187	324	1,165	NM	123	NM	35
Missouri	3,902	4,857	-20.0%	2,706	3,781	1,096	978	98	96	NM	NM
Nebraska	562	1,241	-55.0%	552	1,233	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
South Dakota	702	951	-26.0%	702	951	0	0	0	0	0	0
South Atlantic	192,631	187,463	2.8%	151,661	145,158	38,955	39,610	365	291	1,650	2,404
Delaware	5,903	6,065	-2.7%	NM	NM	5,289	4,990	0	0	599	1,039
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	105,639	97,249	8.6%	97,632	89,700	7,277	6,741	NM	NM	708	788
Georgia	28,902	25,207	15.0%	19,808	18,504	8,995	6,402	0	0	99	301
Maryland	3,325	5,026	-34.0%	0	0	3,039	4,810	NM	NM	NM	NM
North Carolina	20,994	19,669	6.7%	14,363	12,943	6,569	6,669	0	0	62	57
South Carolina	10,087	11,689	-14.0%	8,575	9,380	1,473	2,233	NM	NM	38	75
Virginia	17,090	21,607	-21.0%	11,256	14,405	5,725	7,110	0	0	108	91
West Virginia	600	855	-30.0%	12	190	588	655	0	0	0	NM
East South Central	58,684	64,899	-9.6%	30,116	37,236	26,248	25,469	NM	NM	2,184	2,054
Alabama	31,630	31,344	0.9%	8,368	9,617	22,601	21,067	0	0	661	660
Kentucky	1,472	2,960	-50.0%	1,258	2,316	61	474	0	0	153	170
Mississippi	20,745	26,516	-22.0%	15,855	21,368	3,586	3,928	NM	NM	1,295	1,211
Tennessee	4,837	4,080	19.0%	4,635	3,935	0	0	NM	NM	75	NM
West South Central	231,821	247,689	-6.4%	70,513	87,190	122,864	120,457	592	583	37,853	39,459
Arkansas	6,427	10,081	-36.0%	1,397	3,826	4,922	6,134	NM	NM	107	121
Louisiana	42,726	46,343	-7.8%	20,920	22,221	6,500	7,380	NM	NM	15,285	16,720
Oklahoma	21,299	29,495	-28.0%	12,967	21,399	8,266	8,036	NM	NM	NM	NM
Texas	161,369	161,770	-0.2%	35,229	39,744	103,175	98,907	550	545	22,416	22,575
Mountain	76,850	80,867	-5.0%	48,642	47,215	27,400	32,403	248	273	560	976
Arizona	29,696	32,294	-8.0%	13,997	14,211	15,611	17,993	89	90	0	0
Colorado	10,038	10,157	-1.2%	5,810	5,376	4,223	4,759	0	11	NM	NM
Idaho	2,107	2,910	-28.0%	1,424	1,950	668	945	0	0	NM	15
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	19,883	21,095	-5.7%	15,807	15,482	4,001	5,454	NM	59	NM	101
New Mexico	7,427	7,969	-6.8%	5,217	5,635	2,154	2,284	NM	71	0	0
Utah	7,096	5,558	28.0%	6,003	3,947	708	915	NM	43	340	653
Wyoming	236	299	-21.0%	NM	NM	NM	NM	0	0	185	196
Pacific Contiguous	97,331	101,902	-4.5%	37,657	38,967	52,417	55,504	1,196	1,194	6,061	6,237
California	81,887	84,419	-3.0%	27,370	27,568	47,330	49,522	1,175	1,160	6,013	6,169
Oregon	8,040	8,559	-6.1%	3,710	3,678	4,288	4,806	NM	NM	25	42
Washington	7,404	8,924	-17.0%	6,577	7,721	799	1,176	NM	NM	23	26
Pacific Noncontiguous	2,485	2,588	-4.0%	2,459	2,549	0	0	NM	NM	NM	NM
Alaska	2,485	2,588	-4.0%	2,459	2,549	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	870,103	938,552	-7.3%	376,959	414,301	436,112	463,547	5,421	5,655	51,611	55,049

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.10.B. Consumption of Natural Gas for Electricity Generation by State, by Sector, Year-to-Date through July 2014 and July 2013 (Million Cubic Feet)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	197,955	225,361	-12.0%	2,071	1,762	184,242	207,421	4,995	5,013	6,647	11,165
Connecticut	59,017	66,966	-12.0%	64	49	55,168	63,176	2,261	2,232	1,525	1,509
Maine	20,219	21,368	-5.4%	0	0	15,683	12,325	NM	NM	4,359	8,875
Massachusetts	78,029	94,134	-17.0%	1,677	1,439	73,445	89,726	2,218	2,262	689	707
New Hampshire	16,239	16,081	1.0%	311	249	15,776	15,682	NM	NM	NM	NM
Rhode Island	24,432	26,786	-8.8%	0	0	24,169	26,512	264	274	0	0
Vermont	20	25	-22.0%	20	25	0	0	0	0	0	0
Middle Atlantic	582,673	591,450	-1.5%	63,674	74,431	509,197	506,984	4,532	4,733	5,270	5,314
New Jersey	130,240	122,655	6.2%	0	NM	127,516	119,725	695	769	2,028	2,018
New York	248,053	266,466	-6.9%	63,662	74,275	180,162	187,847	3,184	3,329	1,045	1,014
Pennsylvania	204,380	202,329	1.0%	NM	NM	201,519	199,412	652	634	2,196	2,269
East North Central	262,228	274,956	-4.6%	100,815	101,865	147,125	158,873	7,985	8,016	6,302	6,202
Illinois	26,012	37,935	-31.0%	2,178	3,657	18,010	28,414	4,631	4,658	1,192	1,206
Indiana	43,605	44,001	-0.9%	30,508	29,874	11,185	12,325	171	174	1,741	1,628
Michigan	58,707	60,051	-2.2%	16,231	16,251	38,859	39,869	1,238	1,385	2,380	2,545
Ohio	101,682	96,518	5.3%	35,485	32,380	64,007	61,917	1,673	1,727	516	495
Wisconsin	32,223	36,451	-12.0%	16,414	19,703	15,064	16,348	271	72	474	329
West North Central	58,201	78,306	-26.0%	49,618	66,083	6,388	10,204	1,199	1,016	995	1,003
Iowa	5,922	7,051	-16.0%	5,684	6,891	NM	NM	NM	NM	NM	NM
Kansas	13,218	14,814	-11.0%	12,818	14,490	0	0	0	0	400	324
Minnesota	16,208	29,409	-45.0%	12,698	24,338	2,485	4,130	741	571	284	370
Missouri	18,313	23,074	-21.0%	14,012	16,571	3,903	6,073	390	424	NM	NM
Nebraska	2,637	2,365	11.0%	2,537	2,253	0	0	NM	NM	NM	NM
North Dakota	NM	57	NM	NM	NM	0	0	0	0	NM	52
South Dakota	1,860	1,535	21.0%	1,860	1,535	0	0	0	0	0	0
South Atlantic	1,070,383	1,072,813	-0.2%	861,057	854,170	195,490	200,904	1,890	1,789	11,945	15,950
Delaware	25,915	30,013	-14.0%	NM	NM	22,153	23,397	0	0	3,746	6,571
District of Columbia	568	NM	NM	0	0	0	0	568	NM	0	0
Florida	608,792	589,827	3.2%	567,699	544,379	36,043	40,046	NM	NM	4,957	5,316
Georgia	151,336	165,748	-8.7%	110,534	124,098	39,325	39,222	0	0	1,477	2,428
Maryland	12,689	15,715	-19.0%	0	0	11,263	14,386	1,225	1,110	201	219
North Carolina	115,510	113,794	1.5%	80,097	74,768	35,012	38,684	2	10	399	332
South Carolina	53,886	57,214	-5.8%	46,098	50,033	7,515	6,669	NM	NM	271	509
Virginia	98,133	97,733	0.4%	54,821	60,443	42,449	36,756	0	0	863	534
West Virginia	3,554	2,188	62.0%	1,793	403	1,730	1,744	0	0	31	41
East South Central	371,299	377,786	-1.7%	208,035	213,443	147,195	148,158	832	846	15,238	15,338
Alabama	187,403	197,209	-5.0%	61,349	60,714	121,188	131,180	0	0	4,866	5,314
Kentucky	22,242	11,885	87.0%	19,740	9,086	1,454	1,780	0	0	1,048	1,019
Mississippi	134,216	145,883	-8.0%	100,533	121,749	24,553	15,197	NM	NM	9,074	8,879
Tennessee	27,437	22,809	20.0%	26,412	21,895	0	0	776	788	250	126
West South Central	1,286,714	1,294,615	-0.6%	391,705	398,771	641,678	632,587	3,334	3,273	249,996	259,983
Arkansas	42,302	56,112	-25.0%	8,634	14,940	32,740	40,234	NM	NM	924	935
Louisiana	270,354	255,693	5.7%	118,739	106,910	46,015	34,942	138	142	105,462	113,699
Oklahoma	123,141	143,500	-14.0%	83,546	109,600	39,184	33,514	46	32	365	355
Texas	850,917	839,309	1.4%	180,786	167,321	523,740	523,898	3,145	3,094	143,246	144,995
Mountain	328,757	345,673	-4.9%	208,945	210,001	111,509	126,386	1,730	1,729	6,573	7,558
Arizona	98,026	104,829	-6.5%	47,440	46,904	49,993	57,315	594	609	0	0
Colorado	51,726	49,325	4.9%	29,264	27,669	22,378	21,530	37	18	NM	107
Idaho	8,657	11,764	-26.0%	4,618	5,812	3,832	5,707	0	0	206	244
Montana	2,181	2,560	-15.0%	2,071	2,442	NM	NM	0	0	0	0
Nevada	87,283	104,223	-16.0%	67,806	78,386	18,669	24,293	391	373	418	1,171
New Mexico	42,382	41,161	3.0%	27,912	27,574	14,052	13,126	419	460	0	2
Utah	36,714	29,820	23.0%	29,659	21,027	2,392	4,203	290	268	4,374	4,321
Wyoming	1,788	1,990	-10.0%	NM	NM	NM	NM	0	0	1,528	1,712
Pacific Contiguous	535,132	535,790	-0.1%	188,034	189,909	297,994	297,088	8,012	7,779	41,093	41,013
California	460,883	454,225	1.5%	144,171	145,279	268,241	260,987	7,821	7,542	40,650	40,416
Oregon	40,485	49,649	-18.0%	14,478	16,901	25,588	32,175	NM	231	267	342
Washington	33,765	31,917	5.8%	29,384	27,729	4,165	3,926	NM	7	176	255
Pacific Noncontiguous	17,648	20,576	-14.0%	17,409	20,312	0	0	NM	NM	NM	NM
Alaska	17,648	20,576	-14.0%	17,409	20,312	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	4,710,989	4,817,324	-2.2%	2,091,363	2,130,748	2,240,820	2,288,605	34,519	34,203	344,287	363,767

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 2.11.A. Consumption of Landfill Gas for Electricity Generation by State, by Sector,
July 2014 and July 2013 (Million Cubic Feet)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	1,009	1,020	-1.1%	0	0	965	973	NM	NM	0	0
Connecticut	NM	68	NM	0	0	NM	68	0	0	0	0
Maine	NM	NM	NM	0	0	NM	NM	0	0	0	0
Massachusetts	376	389	-3.3%	0	0	376	389	0	0	0	0
New Hampshire	NM	186	NM	0	0	NM	139	NM	NM	0	0
Rhode Island	260	253	2.7%	0	0	260	253	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	4,750	4,780	-0.6%	0	0	4,726	4,756	NM	NM	0	0
New Jersey	1,032	1,033	-0.1%	0	0	1,032	1,033	0	0	0	0
New York	1,708	1,726	-1.1%	0	0	1,708	1,726	0	0	0	0
Pennsylvania	2,010	2,020	-0.5%	0	0	1,986	1,996	NM	NM	0	0
East North Central	6,725	6,843	-1.7%	788	791	5,893	6,009	NM	NM	NM	NM
Illinois	1,686	1,712	-1.5%	0	0	1,686	1,712	0	0	0	0
Indiana	770	778	-1.1%	744	754	0	0	0	0	NM	NM
Michigan	1,807	1,838	-1.7%	0	0	1,807	1,838	0	0	0	0
Ohio	1,101	1,111	-1.0%	NM	NM	1,078	1,093	0	0	0	0
Wisconsin	1,363	1,404	-2.9%	NM	NM	1,323	1,366	NM	NM	0	0
West North Central	1,039	1,027	1.1%	316	293	722	734	0	0	0	0
Iowa	229	231	-1.2%	0	0	229	231	0	0	0	0
Kansas	NM	140	NM	0	0	NM	140	0	0	0	0
Minnesota	381	377	1.0%	NM	67	304	310	0	0	0	0
Missouri	168	152	10.0%	NM	99	NM	NM	0	0	0	0
Nebraska	NM	127	NM	NM	127	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3,922	3,894	0.7%	489	482	2,980	2,950	NM	NM	NM	NM
Delaware	NM	152	NM	0	0	NM	152	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	663	655	1.2%	173	167	491	489	0	0	0	0
Georgia	297	302	-1.6%	0	0	252	256	NM	NM	0	0
Maryland	320	318	0.8%	0	0	159	154	NM	NM	0	0
North Carolina	614	621	-1.0%	0	0	614	621	0	0	0	0
South Carolina	577	579	-0.4%	316	315	NM	NM	0	0	NM	NM
Virginia	1,276	1,242	2.8%	0	0	1,254	1,218	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	351	354	-0.9%	259	261	NM	93	0	0	0	0
Alabama	NM	NM	NM	0	0	NM	NM	0	0	0	0
Kentucky	259	261	-1.0%	259	261	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	NM	69	NM	0	0	NM	69	0	0	0	0
West South Central	1,619	1,639	-1.2%	0	0	1,570	1,584	NM	NM	0	0
Arkansas	NM	137	NM	0	0	NM	137	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	1,483	1,501	-1.2%	0	0	1,434	1,447	NM	NM	0	0
Mountain	366	373	-1.7%	NM	81	286	292	0	0	0	0
Arizona	NM	124	NM	NM	81	NM	NM	0	0	0	0
Colorado	NM	NM	NM	0	0	NM	NM	0	0	0	0
Idaho	NM	NM	NM	0	0	NM	NM	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	137	NM	0	0	NM	137	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,628	5,823	-3.3%	779	734	3,055	3,211	1,794	1,878	0	0
California	4,779	4,969	-3.8%	263	220	2,768	2,919	1,748	1,830	0	0
Oregon	458	471	-2.9%	NM	154	261	270	NM	NM	0	0
Washington	392	383	2.2%	365	361	NM	NM	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	25,410	25,753	-1.3%	2,710	2,642	20,291	20,601	2,158	2,257	NM	NM

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.11.B. Consumption of Landfill Gas for Electricity Generation by State, by Sector, Year-to-Date through July 2014 and July 2013 (Million Cubic Feet)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	6,772	6,726	0.7%	0	0	6,421	6,347	351	NM	0	0
Connecticut	450	444	1.2%	0	0	450	444	0	0	0	0
Maine	392	388	1.1%	0	0	392	388	0	0	0	0
Massachusetts	2,550	2,529	0.8%	0	0	2,550	2,529	0	0	0	0
New Hampshire	1,276	1,292	-1.2%	0	0	926	912	351	NM	0	0
Rhode Island	1,690	1,663	1.6%	0	0	1,690	1,663	0	0	0	0
Vermont	414	410	1.1%	0	0	414	410	0	0	0	0
Middle Atlantic	31,958	32,732	-2.4%	0	0	31,772	32,532	186	NM	0	0
New Jersey	6,941	6,889	0.8%	0	0	6,941	6,889	0	0	0	0
New York	10,494	11,219	-6.5%	0	0	10,494	11,219	0	0	0	0
Pennsylvania	14,523	14,624	-0.7%	0	0	14,337	14,423	186	NM	0	0
East North Central	38,839	44,635	-13.0%	4,440	5,151	34,050	39,123	NM	NM	204	NM
Illinois	10,939	11,116	-1.6%	0	0	10,939	11,116	0	0	0	0
Indiana	4,381	5,101	-14.0%	4,178	4,896	0	0	0	0	204	NM
Michigan	12,080	11,939	1.2%	0	0	12,080	11,939	0	0	0	0
Ohio	2,630	7,230	-64.0%	NM	129	2,498	7,101	0	0	0	0
Wisconsin	8,809	9,249	-4.8%	NM	126	8,534	8,967	NM	NM	0	0
West North Central	6,804	6,709	1.4%	1,998	1,957	4,806	4,752	0	0	0	0
Iowa	1,510	1,495	1.0%	0	0	1,510	1,495	0	0	0	0
Kansas	915	904	1.2%	0	0	915	904	0	0	0	0
Minnesota	2,501	2,465	1.4%	467	455	2,034	2,010	0	0	0	0
Missouri	1,045	1,021	2.3%	698	678	347	343	0	0	0	0
Nebraska	833	824	1.1%	833	824	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	26,000	25,728	1.1%	3,294	3,140	19,485	19,220	1,628	1,703	1,594	1,665
Delaware	992	981	1.1%	0	0	992	981	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,354	4,196	3.8%	1,208	1,083	3,146	3,114	0	0	0	0
Georgia	2,011	2,010	0.1%	0	0	1,682	1,662	329	NM	0	0
Maryland	2,161	2,189	-1.3%	0	0	1,031	1,015	1,129	1,174	0	0
North Carolina	4,079	4,033	1.1%	0	0	4,079	4,033	0	0	0	0
South Carolina	3,915	3,954	-1.0%	2,086	2,057	235	232	0	0	1,594	1,665
Virginia	8,319	8,198	1.5%	0	0	8,150	8,017	NM	NM	0	0
West Virginia	170	167	1.5%	0	0	170	167	0	0	0	0
East South Central	2,334	2,305	1.3%	1,720	1,699	615	607	0	0	0	0
Alabama	162	160	1.3%	0	0	162	160	0	0	0	0
Kentucky	1,720	1,699	1.3%	1,720	1,699	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	453	447	1.3%	0	0	453	447	0	0	0	0
West South Central	10,854	10,765	0.8%	0	0	10,438	10,307	416	NM	0	0
Arkansas	905	893	1.3%	0	0	905	893	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	9,949	9,871	0.8%	0	0	9,533	9,414	416	NM	0	0
Mountain	2,447	2,418	1.2%	532	526	1,915	1,892	0	0	0	0
Arizona	815	805	1.2%	532	526	283	279	0	0	0	0
Colorado	406	402	1.1%	0	0	406	402	0	0	0	0
Idaho	328	324	1.2%	0	0	328	324	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	897	887	1.2%	0	0	897	887	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	39,072	38,894	0.5%	5,265	5,285	20,987	20,668	12,819	12,940	0	0
California	33,411	33,283	0.4%	1,862	1,928	19,069	18,774	12,480	12,581	0	0
Oregon	3,109	3,098	0.3%	1,008	996	1,761	1,743	340	NM	0	0
Washington	2,552	2,513	1.6%	2,395	2,361	157	152	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	165,081	170,912	-3.4%	17,249	17,758	130,489	135,447	15,545	15,838	1,798	1,870

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells. Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923. Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.12.A. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, July 2014 and July 2013 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	323	323	0.2%	0	0	308	308	15	15	0	0
Connecticut	116	116	0.1%	0	0	116	116	0	0	0	0
Maine	23	23	-0.3%	0	0	8	8	15	15	0	0
Massachusetts	171	170	0.6%	0	0	171	170	0	0	0	0
New Hampshire	13	13	-3.3%	0	0	13	13	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	453	450	0.6%	0	0	358	357	94	92	0	0
New Jersey	118	119	-0.7%	0	0	86	86	32	32	0	0
New York	166	169	-1.9%	0	0	129	132	37	37	0	0
Pennsylvania	169	162	4.2%	0	0	144	139	25	23	0	0
East North Central	24	19	27.0%	3	3	0	0	20	16	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	1	3.0%	0	0	0	0	1	1	0	0
Michigan	19	15	32.0%	0	0	0	0	19	15	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	3	10.0%	3	3	0	0	0	0	0	0
West North Central	60	60	0.0%	41	41	18	18	NM	NM	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	60	60	0.0%	41	41	18	18	NM	NM	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	448	477	-6.2%	0	0	416	445	32	33	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	280	309	-9.5%	0	0	280	309	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	73	69	6.1%	0	0	73	69	NM	NM	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	95	99	-4.5%	0	0	63	66	32	33	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1	0	16.0%	0	0	0	0	0	0	1	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1	0	16.0%	0	0	0	0	0	0	1	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	NM	NM	NM	0	0	NM	NM	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	65	66	-2.4%	0	0	65	66	0	0	0	0
California	43	44	-2.5%	0	0	43	44	0	0	0	0
Oregon	8	8	-2.8%	0	0	8	8	0	0	0	0
Washington	13	14	-1.8%	0	0	13	14	0	0	0	0
Pacific Noncontiguous	34	37	-7.9%	0	0	0	0	34	37	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	34	37	-7.9%	0	0	0	0	34	37	0	0
U.S. Total	1,407	1,432	-1.8%	44	44	1,166	1,195	196	193	1	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.12.B. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, Year-to-Date through July 2014 and July 2013 (Thousand Tons)

Census Division and State	Electric Power Sector											
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector		
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	
New England	2,184	2,130	2.6%	0	0	2,084	2,025	100	105	0	0	
Connecticut	804	779	3.3%	0	0	804	779	0	0	0	0	
Maine	155	159	-2.6%	0	0	54	54	100	105	0	0	
Massachusetts	1,140	1,108	2.9%	0	0	1,140	1,108	0	0	0	0	
New Hampshire	85	85	0.6%	0	0	85	85	0	0	0	0	
Rhode Island	0	0	--	0	0	0	0	0	0	0	0	
Vermont	0	0	--	0	0	0	0	0	0	0	0	
Middle Atlantic	2,878	2,889	-0.4%	0	0	2,272	2,272	605	616	0	0	
New Jersey	752	738	1.9%	0	0	556	541	196	197	0	0	
New York	1,075	1,077	-0.2%	0	0	823	815	252	262	0	0	
Pennsylvania	1,052	1,074	-2.1%	0	0	894	916	158	157	0	0	
East North Central	137	137	0.1%	20	20	0	0	117	117	0	0	
Illinois	0	0	--	0	0	0	0	0	0	0	0	
Indiana	6	6	-1.1%	0	0	0	0	6	6	0	0	
Michigan	111	111	0.0%	0	0	0	0	111	111	0	0	
Ohio	0	0	--	0	0	0	0	0	0	0	0	
Wisconsin	20	20	1.1%	20	20	0	0	0	0	0	0	
West North Central	366	367	-0.3%	241	242	117	116	9	9	0	0	
Iowa	0	0	--	0	0	0	0	0	0	0	0	
Kansas	0	0	--	0	0	0	0	0	0	0	0	
Minnesota	366	367	-0.3%	241	242	117	116	9	9	0	0	
Missouri	0	0	--	0	0	0	0	0	0	0	0	
Nebraska	0	0	--	0	0	0	0	0	0	0	0	
North Dakota	0	0	--	0	0	0	0	0	0	0	0	
South Dakota	0	0	--	0	0	0	0	0	0	0	0	
South Atlantic	2,923	3,021	-3.2%	0	0	2,706	2,804	216	216	0	0	
Delaware	0	0	--	0	0	0	0	0	0	0	0	
District of Columbia	0	0	--	0	0	0	0	0	0	0	0	
Florida	1,860	1,995	-6.7%	0	0	1,860	1,995	0	0	0	0	
Georgia	0	0	--	0	0	0	0	0	0	0	0	
Maryland	462	446	3.7%	0	0	462	446	0	0	0	0	
North Carolina	0	0	--	0	0	0	0	0	0	0	0	
South Carolina	0	0	--	0	0	0	0	0	0	0	0	
Virginia	600	580	3.5%	0	0	384	364	216	216	0	0	
West Virginia	0	0	--	0	0	0	0	0	0	0	0	
East South Central	0	0	--	0	0	0	0	0	0	0	0	
Alabama	0	0	--	0	0	0	0	0	0	0	0	
Kentucky	0	0	--	0	0	0	0	0	0	0	0	
Mississippi	0	0	--	0	0	0	0	0	0	0	0	
Tennessee	0	0	--	0	0	0	0	0	0	0	0	
West South Central	5	5	-0.5%	0	0	0	0	0	0	5	5	
Arkansas	0	0	--	0	0	0	0	0	0	0	0	
Louisiana	0	0	--	0	0	0	0	0	0	0	0	
Oklahoma	5	5	-0.5%	0	0	0	0	0	0	5	5	
Texas	0	0	--	0	0	0	0	0	0	0	0	
Mountain	1	1	-1.0%	0	0	1	1	0	0	0	0	
Arizona	0	0	--	0	0	0	0	0	0	0	0	
Colorado	0	0	--	0	0	0	0	0	0	0	0	
Idaho	0	0	--	0	0	0	0	0	0	0	0	
Montana	0	0	--	0	0	0	0	0	0	0	0	
Nevada	0	0	--	0	0	0	0	0	0	0	0	
New Mexico	0	0	--	0	0	0	0	0	0	0	0	
Utah	1	1	-1.0%	0	0	1	1	0	0	0	0	
Wyoming	0	0	--	0	0	0	0	0	0	0	0	
Pacific Contiguous	421	425	-1.1%	0	0	421	425	0	0	0	0	
California	279	284	-1.9%	0	0	279	284	0	0	0	0	
Oregon	54	53	0.6%	0	0	54	53	0	0	0	0	
Washington	88	88	0.7%	0	0	88	88	0	0	0	0	
Pacific Noncontiguous	223	211	5.6%	0	0	0	0	223	211	0	0	
Alaska	0	0	--	0	0	0	0	0	0	0	0	
Hawaii	223	211	5.6%	0	0	0	0	223	211	0	0	
U.S. Total	9,138	9,186	-0.5%	261	263	7,602	7,644	1,270	1,274	5	5	

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells. Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923. Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 2004 - July 2014

Period	Electric Power Sector			Electric Utilities			Independent Power Producers		
	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
End of Year Stocks									
2004	106,669	46,750	937	84,917	29,144	627	21,751	17,607	309
2005	101,137	47,414	530	77,457	29,532	374	23,680	17,882	156
2006	140,964	48,216	674	110,277	29,799	456	30,688	18,416	217
2007	151,221	44,433	554	120,504	28,032	253	30,717	16,401	301
2008	161,589	40,804	739	127,463	26,108	468	34,126	14,696	270
2009	189,467	39,210	1,394	154,815	25,811	1,194	34,652	13,399	201
2010	174,917	35,706	1,019	143,744	24,798	850	31,173	10,908	168
2011	172,387	34,847	508	142,103	25,648	404	30,284	9,198	104
2012	185,116	32,224	495	150,942	23,875	414	34,174	8,349	81
2013	147,973	31,045	390	120,888	21,906	303	27,085	9,139	86
2012, End of Month Stocks									
January	180,091	34,660	409	144,615	25,518	324	35,476	9,142	85
February	186,866	34,431	374	150,246	25,311	293	36,620	9,119	81
March	195,380	34,552	453	157,444	25,463	351	37,935	9,089	102
April	202,265	34,375	457	161,926	25,356	332	40,339	9,019	125
May	203,137	33,973	406	162,992	25,046	270	40,146	8,926	136
June	197,924	33,747	458	158,366	24,964	287	39,558	8,783	171
July	183,958	33,502	406	148,517	24,947	216	35,442	8,555	190
August	178,537	32,619	336	144,975	24,297	198	33,562	8,322	139
Sept	182,020	32,316	353	147,916	24,175	267	34,104	8,141	86
October	186,396	32,182	406	151,418	24,078	339	34,978	8,104	67
November	188,291	32,045	416	152,864	23,982	346	35,428	8,062	70
December	185,116	32,224	495	150,942	23,875	414	34,174	8,349	81
2013, End of Month Stocks									
January	178,747	31,163	442	145,522	23,229	358	33,224	7,934	84
February	175,325	30,880	442	143,950	22,863	362	31,375	8,016	80
March	171,518	31,678	406	141,849	23,459	323	29,669	8,219	83
April	172,654	31,052	455	142,970	22,945	387	29,684	8,107	68
May	176,670	30,894	442	144,709	22,813	348	31,961	8,081	95
June	170,534	30,626	407	139,574	22,586	303	30,960	8,040	105
July	159,536	29,924	394	131,879	22,094	279	27,658	7,829	115
August	154,119	30,328	260	127,058	22,231	183	27,061	8,097	77
Sept	152,185	30,215	309	125,368	21,707	191	26,817	8,509	118
October	153,352	30,487	291	125,321	21,734	214	28,031	8,752	77
November	155,754	31,170	338	126,276	21,773	250	29,477	9,397	87
December	147,973	31,045	390	120,888	21,906	303	27,085	9,139	86
2014, End of Month Stocks									
January	132,324	26,770	298	107,330	19,870	216	24,993	6,900	82
February	118,949	28,285	265	96,571	20,218	191	22,378	8,068	74
March	117,974	28,215	349	95,229	20,513	282	22,745	7,701	67
April	128,321	28,506	514	103,097	20,681	451	25,224	7,825	63
May	136,218	28,364	457	107,482	20,457	374	28,736	7,907	83
June	132,885	28,604	407	103,362	20,500	354	29,523	8,103	54
July	125,389	27,921	381	97,269	19,888	300	28,120	8,033	81

Notes: See Glossary for definitions. Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary.

See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

**Table 3.2 Stocks of Coal, Petroleum Liquids, and Petroleum Coke:
Electric Power Sector, by State, July 2014 and 2013**

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	July 2014	July 2013	Percentage Change	July 2014	July 2013	Percentage Change	July 2014	July 2013	Percentage Change
	New England	W	1,017	W	2,977	2,326	28.0%	0	0
Connecticut	W	W	W	1,224	1,074	14.0%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	W	W	W	1,158	859	35.0%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	W	0	W	W	W	W	0	0	--
Vermont	0	0	--	23	41	-45.0%	0	0	--
Middle Atlantic	6,201	5,384	15.0%	4,096	4,693	-13.0%	W	W	W
New Jersey	855	877	-2.5%	576	906	-36.0%	0	0	--
New York	556	417	33.0%	2,645	3,003	-12.0%	0	0	--
Pennsylvania	4,790	4,090	17.0%	875	784	12.0%	W	W	W
East North Central	26,254	29,975	-12.0%	1,206	1,113	8.4%	105	W	W
Illinois	6,901	6,229	11.0%	77	102	-24.0%	0	0	--
Indiana	7,251	8,666	-16.0%	188	108	75.0%	0	0	--
Michigan	4,795	5,715	-16.0%	398	411	-3.1%	W	W	W
Ohio	4,834	5,579	-13.0%	322	267	21.0%	W	W	W
Wisconsin	2,474	3,787	-35.0%	222	226	-1.8%	W	W	W
West North Central	19,443	26,346	-26.0%	919	972	-5.4%	0	0	--
Iowa	4,834	7,503	-36.0%	145	141	2.5%	0	0	--
Kansas	2,870	3,311	-13.0%	147	161	-9.0%	0	0	--
Minnesota	W	W	W	132	152	-13.0%	0	0	--
Missouri	5,447	8,297	-34.0%	284	284	-0.1%	0	0	--
Nebraska	2,651	3,103	-15.0%	110	122	-9.1%	0	0	--
North Dakota	1,529	1,208	27.0%	37	37	0.7%	0	0	--
South Dakota	W	W	W	64	75	-15.0%	0	0	--
South Atlantic	23,364	33,614	-30.0%	11,661	13,049	-11.0%	W	W	W
Delaware	W	W	W	243	371	-35.0%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	W	W	W	5,891	6,812	-14.0%	W	W	W
Georgia	4,593	8,491	-46.0%	880	908	-3.1%	0	0	--
Maryland	1,094	1,308	-16.0%	681	751	-9.3%	0	0	--
North Carolina	W	W	W	1,133	1,091	3.8%	0	0	--
South Carolina	3,373	5,500	-39.0%	623	604	3.1%	0	W	W
Virginia	W	W	W	2,069	2,372	-13.0%	0	0	--
West Virginia	4,242	5,808	-27.0%	140	140	0.1%	W	W	W
East South Central	13,693	16,694	-18.0%	1,908	2,033	-6.1%	W	W	W
Alabama	3,738	4,696	-20.0%	272	312	-13.0%	0	0	--
Kentucky	6,370	7,216	-12.0%	250	261	-4.3%	W	W	W
Mississippi	669	1,545	-57.0%	583	570	2.2%	0	0	--
Tennessee	2,916	3,237	-9.9%	803	890	-9.8%	0	0	--
West South Central	17,883	26,870	-33.0%	1,963	2,412	-19.0%	W	W	W
Arkansas	2,116	3,044	-30.0%	W	232	W	0	0	--
Louisiana	2,987	3,747	-20.0%	476	654	-27.0%	W	W	W
Oklahoma	2,281	4,546	-50.0%	W	170	W	0	0	--
Texas	10,499	15,532	-32.0%	1,196	1,355	-12.0%	0	W	W
Mountain	15,194	18,063	-16.0%	570	654	-13.0%	W	W	W
Arizona	2,519	3,435	-27.0%	146	208	-30.0%	0	0	--
Colorado	3,059	3,735	-18.0%	115	124	-6.8%	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	799	835	-4.4%	179	179	-0.1%	0	0	--
New Mexico	W	W	W	41	50	-17.0%	0	0	--
Utah	3,754	4,914	-24.0%	40	46	-13.0%	0	0	--
Wyoming	3,177	3,231	-1.7%	35	31	12.0%	0	0	--
Pacific Contiguous	W	W	W	280	391	-28.0%	W	W	W
California	W	W	W	117	191	-39.0%	W	W	W
Oregon	W	W	W	W	W	W	0	0	--
Washington	W	W	W	W	W	W	0	0	--
Pacific Noncontiguous	W	W	W	2,338	2,281	2.5%	0	0	--
Alaska	0	W	W	30	125	-76.0%	0	0	--
Hawaii	W	W	W	2,308	2,156	7.1%	0	0	--
U.S. Total	125,389	159,536	-21.0%	27,921	29,924	-6.7%	381	394	-3.4%

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke:
Electric Power Sector, by Census Division, July 2014 and 2013**

Census Division	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013
Coal (Thousand Tons)							
New England	W	1,017	W	W	W	W	W
Middle Atlantic	6,201	5,384	15.2%	0	0	6,201	5,384
East North Central	26,254	29,975	-12.4%	18,873	23,766	7,381	6,208
West North Central	19,443	26,346	-26.2%	19,443	26,346	0	0
South Atlantic	23,364	33,614	-30.5%	20,220	30,880	3,144	2,734
East South Central	13,693	16,694	-18.0%	W	16,694	W	0
West South Central	17,883	26,870	-33.4%	9,763	15,669	8,120	11,201
Mountain	15,194	18,063	-15.9%	13,989	W	1,205	W
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	0	W	W	W
U.S. Total	125,389	159,536	-21.4%	97,269	131,879	28,120	27,658
Petroleum Liquids (Thousand Barrels)							
New England	2,977	2,326	28.0%	453	370	2,525	1,957
Middle Atlantic	4,096	4,693	-12.7%	1,392	2,050	2,704	2,643
East North Central	1,206	1,113	8.4%	985	W	221	W
West North Central	919	972	-5.4%	895	945	25	26
South Atlantic	11,661	13,049	-10.6%	9,741	10,816	1,920	2,234
East South Central	1,908	2,033	-6.1%	W	W	W	W
West South Central	1,963	2,412	-18.6%	1,460	1,827	503	585
Mountain	570	654	-12.9%	W	W	W	W
Pacific Contiguous	280	391	-28.4%	240	W	41	W
Pacific Noncontiguous	2,338	2,281	2.5%	W	W	W	W
U.S. Total	27,921	29,924	-6.7%	19,888	22,094	8,033	7,829
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	105	W	W	W	W	W	W
West North Central	0	0	--	0	0	0	0
South Atlantic	W	W	W	W	W	W	W
East South Central	W	W	W	W	W	0	0
West South Central	W	W	W	W	W	0	W
Mountain	W	W	W	0	0	W	W
Pacific Contiguous	W	W	W	0	0	W	W
Pacific Noncontiguous	0	0	--	0	0	0	0
U.S. Total	381	394	-3.4%	W	279	W	115

W = Withheld to avoid disclosure of individual company data.

Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form-923.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

Table 3.4. Stocks of Coal by Coal Rank: Electric Power Sector, 2004 - July 2014

Period	Electric Power Sector			Total
	Bituminous Coal	Subbituminous Coal	Lignite Coal	
End of Year Stocks				
2004	49,022	53,618	4,029	106,669
2005	52,923	44,377	3,836	101,137
2006	67,760	68,408	4,797	140,964
2007	63,964	82,692	4,565	151,221
2008	65,818	91,214	4,556	161,589
2009	91,922	92,448	5,097	189,467
2010	81,108	86,915	6,894	174,917
2011	82,056	85,151	5,179	172,387
2012	86,437	93,833	4,846	185,116
2013	72,963	69,996	5,014	147,973
2012, End of Month Stocks				
January	83,807	91,263	5,021	180,091
February	87,674	94,462	4,729	186,866
March	90,520	100,126	4,734	195,380
April	93,508	103,798	4,960	202,265
May	94,058	103,893	5,187	203,137
June	92,348	100,431	5,146	197,924
July	83,754	95,299	4,906	183,958
August	80,888	92,705	4,944	178,537
Sept	82,766	94,464	4,789	182,020
October	86,510	95,156	4,730	186,396
November	87,622	95,917	4,752	188,291
December	86,437	93,833	4,846	185,116
2013, End of Month Stocks				
January	83,389	90,707	4,651	178,747
February	81,674	89,169	4,482	175,325
March	80,360	86,403	4,755	171,518
April	82,410	85,237	5,007	172,654
May	84,105	86,420	6,145	176,670
June	81,649	82,805	6,080	170,534
July	75,586	78,290	5,660	159,536
August	72,684	75,942	5,493	154,119
Sept	71,739	74,966	5,481	152,185
October	73,687	74,261	5,405	153,352
November	74,861	75,637	5,256	155,754
December	72,963	69,996	5,014	147,973
2014, End of Month Stocks				
January	62,170	64,824	5,330	132,324
February	54,676	58,874	5,399	118,949
March	54,216	58,350	5,409	117,974
April	59,530	62,588	6,203	128,321
May	62,883	67,035	6,300	136,218
June	61,859	64,621	6,405	132,885
July	59,491	59,694	6,204	125,389

Notes: See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. Totals may not equal sum of components because of independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms. Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following:

Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2004 - July 2014

Period	Coal							Petroleum Liquids					
	Receipts		Average Cost			Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	(Billion Btu)			(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)			
Annual Totals													
2004	20,188,633	1,002,032	1.36	27.42	0.97	95.9	958,046	151,821	5.00	31.58	0.88	81.7	
2005	20,647,307	1,021,437	1.54	31.20	0.98	95.9	986,258	157,221	7.59	47.61	0.77	84.7	
2006	21,735,101	1,079,943	1.69	34.09	0.97	102.5	406,869	65,002	8.68	54.35	0.73	74.0	
2007	21,152,358	1,054,664	1.77	35.48	0.96	98.6	375,260	60,068	9.59	59.93	0.71	62.6	
2008	21,280,258	1,069,709	2.07	41.14	0.97	100.5	375,684	61,139	15.52	95.38	0.61	99.6	
2009	19,437,966	981,477	2.21	43.74	1.01	102.8	330,043	54,181	10.25	62.47	0.54	104.8	
2010	19,289,661	979,918	2.27	44.64	1.16	97.9	275,058	45,472	14.02	84.80	0.51	101.1	
2011	18,675,843	956,538	2.39	46.65	1.19	100.0	216,752	36,158	19.94	119.54	0.60	116.1	
2012	16,265,578	841,183	2.38	46.09	1.25	99.5	116,937	19,464	21.85	131.28	0.51	75.7	
2013	15,570,755	803,206	2.35	45.50	1.30	91.3	123,567	20,348	20.59	125.06	0.46	79.2	
2012													
January	1,480,587	77,241	2.37	45.47	1.19	106.2	11,646	1,937	21.66	130.26	0.51	77.9	
February	1,338,494	69,194	2.38	46.12	1.29	106.8	8,226	1,372	22.16	132.92	0.50	76.8	
March	1,274,079	65,492	2.39	46.59	1.25	110.9	9,681	1,593	22.29	135.43	0.51	84.0	
April	1,176,104	59,906	2.42	47.54	1.30	112.7	7,788	1,302	23.58	141.17	0.59	71.4	
May	1,254,371	64,477	2.42	47.01	1.29	100.3	8,596	1,445	23.02	136.98	0.56	69.0	
June	1,294,346	67,090	2.36	45.52	1.29	91.7	12,141	2,007	22.01	133.16	0.52	79.2	
July	1,403,271	72,850	2.40	46.22	1.19	82.7	12,495	2,064	20.43	123.72	0.54	71.1	
August	1,504,806	77,652	2.40	46.47	1.23	92.1	10,040	1,672	21.12	126.85	0.50	74.8	
September	1,383,347	71,970	2.38	45.68	1.20	101.4	8,209	1,357	21.91	132.56	0.48	76.1	
October	1,397,904	72,425	2.36	45.57	1.23	106.5	8,718	1,451	22.23	133.66	0.41	72.8	
November	1,388,563	71,846	2.36	45.63	1.25	100.5	8,623	1,441	22.30	133.48	0.45	76.8	
December	1,369,707	71,041	2.36	45.60	1.27	94.9	10,773	1,824	20.63	121.91	0.55	79.7	
2013													
January	1,314,386	68,094	2.35	45.29	1.27	88.8	10,661	1,769	21.01	126.70	0.50	57.1	
February	1,201,145	61,998	2.35	45.46	1.35	90.3	10,741	1,749	21.01	129.18	0.46	84.3	
March	1,262,552	64,822	2.35	45.86	1.35	90.0	14,178	2,306	20.16	123.96	0.46	126.8	
April	1,202,488	61,226	2.38	46.69	1.36	98.2	6,085	1,017	21.53	128.87	0.51	54.7	
May	1,300,089	66,503	2.37	46.38	1.32	100.4	8,589	1,416	20.71	125.63	0.50	70.4	
June	1,292,065	66,654	2.36	45.77	1.26	87.0	6,973	1,164	20.97	125.63	0.50	60.8	
July	1,364,276	71,348	2.32	44.27	1.20	84.2	10,653	1,765	20.51	123.78	0.48	59.6	
August	1,435,848	74,510	2.33	44.91	1.27	89.3	11,956	1,956	19.69	120.38	0.44	96.8	
September	1,331,684	68,838	2.35	45.38	1.29	92.9	9,869	1,624	20.16	122.60	0.38	89.7	
October	1,286,635	66,005	2.35	45.73	1.34	97.2	10,093	1,665	20.85	126.36	0.43	97.5	
November	1,285,565	66,194	2.33	45.34	1.30	98.1	12,749	2,094	20.10	122.55	0.46	116.7	
December	1,294,022	67,013	2.34	45.21	1.29	84.9	11,021	1,823	21.22	128.15	0.43	69.6	
2014													
January	1,295,681	67,813	2.30	43.88	1.26	79.4	26,826	4,498	21.85	130.48	0.42	40.7	
February	1,191,664	61,243	2.33	45.26	1.35	78.6	26,033	4,284	21.60	131.44	0.44	127.3	
March	1,374,868	69,854	2.37	46.58	1.35	94.4	15,151	2,506	21.94	132.69	0.44	64.9	
April	1,295,750	65,274	2.40	47.56	1.35	108.4	8,908	1,474	22.89	138.33	0.41	87.4	
May	1,357,455	69,014	2.39	47.10	1.38	105.3	8,608	1,429	21.15	127.40	0.46	80.8	
June	1,342,562	68,561	2.38	46.61	1.36	90.3	9,308	1,541	21.41	129.32	0.45	89.8	
July	1,404,469	72,363	2.37	46.03	1.28	87.1	8,413	1,392	21.29	128.63	0.50	73.3	
Year to Date													
2012	9,221,252	476,251	2.39	46.31	1.25	100.2	70,573	11,719	22.02	132.66	0.53	75.5	
2013	8,937,002	460,646	2.35	45.65	1.30	90.8	67,880	11,186	20.76	126.00	0.48	71.1	
2014	9,262,449	474,122	2.36	46.16	1.33	90.8	103,247	17,124	21.75	131.21	0.44	67.6	
Rolling 12 Months Ending in July													
2013	15,981,328	825,578	2.36	45.72	1.27	94.1	114,243	18,931	21.09	127.32	0.48	73.1	
2014	15,896,203	816,682	2.35	45.80	1.32	91.3	158,934	26,286	21.27	128.66	0.44	74.5	

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
 NM = Not meaningful due to large relative standard error or excessive percentage change.
 W = Withheld to avoid disclosure of individual company data.

Notes:
 Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.
 See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.
 See Glossary for definitions.
 Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary.
 See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
 Totals may not equal sum of components because of independent rounding.
 Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
 Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
 See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2004 - July 2014 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels Average Cost
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Percentage of Consumption	
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)		(Dollars per MMBtu)
Annual Totals												
2004	196,606	6,967	0.83	23.48	5.08	79.9	5,890,750	5,734,054	5.96	6.12	85.2	2.48
2005	211,776	7,502	1.11	31.35	5.15	82.3	6,356,868	6,181,717	8.21	8.44	88.1	3.25
2006	203,270	7,193	1.33	37.46	5.15	83.4	6,855,680	6,675,246	6.94	7.13	90.2	3.02
2007	161,091	5,656	1.51	43.02	5.07	77.5	7,396,233	7,200,316	7.11	7.30	90.4	3.23
2008	199,724	7,040	2.11	59.72	4.98	111.5	8,089,467	7,879,046	9.01	9.26	102.5	4.12
2009	197,921	6,954	1.61	45.89	4.63	119.3	8,319,329	8,118,550	4.74	4.86	102.3	3.04
2010	169,508	5,963	2.28	64.85	4.79	98.5	8,867,396	8,673,070	5.09	5.20	102.0	3.26
2011	171,100	5,980	3.03	86.78	5.01	98.2	9,250,652	9,056,164	4.72	4.83	103.8	3.29
2012	119,667	4,180	2.24	64.14	5.55	83.3	9,746,691	9,531,389	3.42	3.50	91.9	2.83
2013	129,737	4,555	2.16	61.50	5.43	75.5	8,677,544	8,463,303	4.33	4.44	90.0	3.10
2012												
January	11,219	393	2.43	69.57	5.15	64.9	702,012	687,733	3.69	3.77	91.4	2.86
February	8,815	304	2.30	67.01	5.34	64.6	695,018	680,275	3.34	3.42	91.7	2.77
March	9,788	344	1.90	54.10	5.67	102.7	724,404	709,072	2.99	3.05	91.6	2.69
April	9,077	317	2.11	60.29	5.30	106.0	774,136	755,344	2.71	2.78	92.9	2.61
May	8,583	300	2.57	73.30	5.51	86.8	866,898	847,784	2.94	3.00	92.5	2.70
June	10,175	351	2.32	67.41	5.65	92.3	933,407	912,633	3.11	3.18	92.4	2.76
July	7,560	264	2.41	69.46	5.73	62.0	1,134,111	1,108,411	3.43	3.51	92.3	2.92
August	8,618	301	2.45	70.17	5.73	63.8	1,050,429	1,027,710	3.50	3.58	91.8	2.89
Sept	11,925	417	2.39	68.43	5.65	96.9	856,022	837,053	3.41	3.49	92.2	2.81
October	9,915	348	2.00	56.95	5.64	87.5	726,388	710,327	3.84	3.93	92.1	2.91
November	10,964	384	2.05	58.34	5.59	88.3	628,800	614,906	4.25	4.35	90.3	2.99
December	13,029	458	2.06	58.45	5.66	107.6	655,067	640,143	4.21	4.31	90.7	3.01
2013												
January	9,901	348	2.02	57.79	5.64	66.2	674,846	658,835	4.38	4.49	89.1	3.09
February	9,560	336	W	W	5.42	76.3	605,664	591,385	4.39	4.50	89.0	W
March	8,081	284	W	W	5.50	59.7	647,612	631,717	4.29	4.40	89.2	W
April	11,010	387	2.26	64.50	5.37	85.8	606,715	591,713	4.67	4.78	89.8	3.16
May	11,519	403	2.32	66.15	5.39	76.7	662,786	645,559	4.62	4.75	90.4	3.16
June	11,292	398	2.39	67.99	5.09	73.9	779,828	760,011	4.42	4.54	91.0	3.15
July	11,964	418	2.27	64.99	5.46	75.9	943,799	919,088	4.20	4.31	90.8	3.12
August	10,669	372	2.23	64.10	5.40	66.1	935,780	913,083	3.91	4.00	90.7	3.00
Sept	12,082	422	2.15	61.43	5.39	81.2	787,778	770,983	4.08	4.17	90.8	3.02
October	11,948	422	2.11	59.82	5.39	81.7	681,492	664,318	4.11	4.21	90.1	3.00
November	9,462	332	1.98	56.57	5.45	79.0	640,042	623,987	4.19	4.30	88.6	3.01
December	12,249	433	1.99	56.11	5.69	84.9	711,200	692,624	4.91	5.04	89.2	3.28
2014												
January	9,894	350	1.73	48.87	5.25	66.0	708,596	690,842	7.03	7.21	89.5	4.09
February	10,083	356	W	W	5.46	82.8	587,256	572,056	7.39	7.59	87.8	W
March	12,939	457	2.00	56.64	5.81	91.6	604,201	588,706	6.00	6.15	88.9	3.53
April	12,734	449	2.11	59.89	5.62	122.2	594,177	578,775	5.07	5.21	89.8	3.26
May	12,593	446	2.18	61.41	5.55	109.8	687,196	668,314	4.93	5.07	90.1	3.26
June	11,435	400	2.05	58.67	5.77	93.4	763,160	741,720	4.82	4.96	91.0	3.27
July	11,392	399	1.88	53.73	5.69	85.4	883,753	857,923	4.43	4.57	91.2	3.17
Year to Date												
2012	65,217	2,273	2.29	65.75	5.47	79.4	5,829,986	5,701,250	3.17	3.25	92.2	2.77
2013	73,328	2,574	2.21	63.19	5.40	73.4	4,921,252	4,798,309	4.41	4.52	90.0	3.13
2014	81,070	2,858	2.01	56.97	5.61	91.3	4,828,338	4,698,337	5.59	5.74	89.9	3.52
Rolling 12 Months Ending in July												
2013	127,777	4,481	W	W	5.51	79.1	8,837,957	8,628,447	4.13	4.23	90.7	W
2014	137,479	4,839	W	W	5.55	85.5	8,584,630	8,363,331	4.98	5.12	89.9	W

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 See Glossary for definitions.
 Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary.
 See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
 Totals may not equal sum of components because of independent rounding.
 Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
 See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2004 - July 2014

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)		
Annual Totals												
2004	15,440,681	758,557	1.34	27.30	0.91	98.2	592,478	93,034	4.80	30.57	1.01	89.6
2005	15,836,924	775,890	1.53	31.22	0.94	101.9	566,320	89,303	7.17	45.46	0.89	90.9
2006	16,197,852	797,361	1.69	34.26	0.92	105.8	269,033	42,415	8.33	52.80	0.82	79.2
2007	15,561,395	767,377	1.78	36.06	0.92	100.3	216,349	34,026	9.24	58.73	0.77	59.8
2008	15,347,396	764,399	2.06	41.32	0.93	100.5	240,937	38,891	15.83	98.09	0.60	99.7
2009	14,402,019	719,253	2.22	44.47	0.99	103.4	202,598	32,959	10.44	64.18	0.51	103.5
2010	14,226,995	713,094	2.27	45.33	1.14	98.8	189,790	31,099	13.94	85.07	0.48	101.0
2011	13,871,559	699,353	2.40	47.67	1.16	101.5	144,255	23,859	20.30	122.72	0.53	114.5
2012	11,939,543	609,445	2.43	47.51	1.18	99.0	86,030	14,252	22.11	133.44	0.41	81.3
2013	11,479,647	586,469	2.38	46.58	1.23	91.7	78,306	12,850	21.12	128.71	0.43	78.2
2012												
January	1,065,584	54,942	2.39	46.44	1.14	105.0	8,221	1,366	21.73	130.71	0.42	91.4
February	977,965	50,084	2.41	47.06	1.22	106.8	5,975	995	22.16	133.14	0.38	79.9
March	948,751	48,359	2.44	47.94	1.21	111.4	7,907	1,294	22.94	140.22	0.42	95.1
April	873,863	43,906	2.49	49.64	1.27	110.0	6,007	1,002	23.78	142.55	0.48	74.8
May	929,247	47,009	2.47	48.73	1.25	100.2	6,122	1,029	23.35	138.90	0.46	71.4
June	952,000	48,574	2.42	47.38	1.20	90.4	9,006	1,481	22.42	136.33	0.47	85.5
July	1,051,379	53,700	2.44	47.70	1.15	83.3	9,957	1,538	20.71	126.01	0.40	75.7
August	1,118,779	56,932	2.43	47.75	1.16	92.6	7,640	1,266	21.17	127.71	0.40	79.3
Sept	1,011,975	51,891	2.43	47.40	1.12	100.7	6,246	1,026	21.88	133.24	0.37	80.2
October	1,013,074	51,751	2.40	47.07	1.16	105.5	6,497	1,074	22.21	134.37	0.29	78.3
November	999,479	51,032	2.40	46.93	1.17	99.5	5,800	970	22.46	134.34	0.34	76.6
December	997,447	51,264	2.39	46.58	1.19	94.0	7,253	1,212	21.36	127.87	0.42	90.1
2013												
January	956,945	49,199	2.38	46.24	1.18	88.2	7,457	1,236	21.07	127.14	0.41	71.2
February	889,847	45,484	2.39	46.73	1.27	92.6	6,212	1,007	21.33	131.54	0.40	83.0
March	939,284	47,836	2.38	46.67	1.27	91.8	9,920	1,607	20.43	126.12	0.45	126.0
April	895,136	45,281	2.42	47.74	1.28	99.2	3,814	635	21.99	131.96	0.45	50.2
May	949,381	48,270	2.41	47.32	1.24	99.8	5,991	983	20.89	127.31	0.47	72.9
June	956,723	48,779	2.39	46.96	1.21	87.0	4,697	784	21.30	127.70	0.43	61.2
July	1,021,070	52,643	2.34	45.45	1.17	85.7	7,139	1,182	20.82	125.77	0.44	63.9
August	1,060,523	54,375	2.37	46.24	1.21	88.4	8,381	1,353	19.78	122.53	0.45	99.1
Sept	964,553	49,265	2.38	46.63	1.22	92.5	4,862	792	21.66	132.99	0.34	67.7
October	947,064	48,221	2.37	46.51	1.28	97.3	6,119	1,008	21.97	133.42	0.40	83.8
November	949,052	48,528	2.37	46.37	1.22	97.6	6,293	1,033	21.60	131.57	0.41	82.7
December	950,070	48,587	2.37	46.37	1.23	85.6	7,421	1,230	21.90	132.08	0.43	86.8
2014												
January	926,836	47,957	2.30	44.54	1.17	76.8	12,029	2,016	21.72	129.65	0.32	43.8
February	863,914	43,902	2.33	45.91	1.28	78.2	12,405	2,045	21.75	132.02	0.49	112.2
March	988,920	49,861	2.38	47.13	1.30	94.2	8,996	1,474	21.54	131.41	0.39	78.6
April	949,979	47,518	2.41	48.24	1.29	112.5	6,686	1,098	23.30	141.86	0.36	91.2
May	996,083	50,111	2.42	48.20	1.32	104.6	5,368	894	21.83	131.06	0.34	71.8
June	992,040	49,981	2.41	47.75	1.29	88.2	6,342	1,050	21.67	130.93	0.34	89.9
July	1,048,298	53,172	2.40	47.43	1.22	86.7	5,999	988	21.28	129.22	0.47	75.8
Year to Date												
2012	6,798,789	346,575	2.44	47.78	1.20	99.7	52,595	8,705	22.32	134.86	0.43	81.8
2013	6,608,385	337,492	2.39	46.70	1.23	91.6	45,230	7,434	21.00	127.79	0.44	74.6
2014	6,766,070	342,502	2.38	47.06	1.27	90.2	57,826	9,565	21.84	132.06	0.40	72.4
Rolling 12 Months Ending in July												
2013	11,749,139	600,363	2.40	46.90	1.20	94.3	78,665	12,981	21.33	129.25	0.41	77.1
2014	11,637,332	591,479	2.38	46.79	1.25	90.9	90,901	14,981	21.64	131.31	0.40	76.1

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See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary.

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Totals may not equal sum of components because of independent rounding.

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2004 - July 2014 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels Average Cost (Dollars per MMBtu)
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Percentage of Consumption	
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)		
Annual Totals												
2004	107,985	3,817	0.89	25.15	5.10	92.0	1,542,746	1,499,933	6.15	6.33	82.9	1.87
2005	102,450	3,632	1.29	36.31	5.16	87.9	1,835,221	1,780,721	8.32	8.57	83.4	2.38
2006	99,471	3,516	1.49	42.21	5.11	97.2	2,222,289	2,163,113	7.36	7.56	87.3	2.45
2007	84,812	2,964	1.73	49.57	5.09	105.6	2,378,104	2,315,637	7.47	7.67	84.6	2.61
2008	80,987	2,843	2.13	60.51	5.36	123.8	2,856,354	2,784,642	9.15	9.39	102.0	3.33
2009	109,126	3,833	1.68	47.84	5.02	138.8	3,033,133	2,962,640	5.50	5.63	101.8	2.87
2010	103,152	3,628	2.38	67.65	5.03	109.1	3,395,962	3,327,919	5.43	5.54	101.1	2.99
2011	99,208	3,445	3.08	88.73	5.17	99.9	3,571,348	3,507,613	5.00	5.09	101.8	3.08
2012	72,782	2,521	2.30	66.40	5.46	119.8	4,083,579	4,003,457	3.74	3.81	97.6	2.86
2013	99,088	3,463	2.10	60.05	5.34	101.6	3,736,948	3,654,627	4.50	4.60	96.9	2.98
2012												
January	7,379	255	2.45	71.02	4.81	85.9	279,420	274,897	4.05	4.12	96.4	2.85
February	6,359	217	2.46	71.86	5.19	94.5	273,306	268,688	3.72	3.79	97.7	2.78
March	5,557	194	1.93	55.37	5.76	181.7	293,402	288,321	3.39	3.45	97.6	2.79
April	4,870	169	1.98	57.09	5.08	140.6	323,371	315,071	3.12	3.21	98.1	2.76
May	4,136	143	2.75	79.88	5.42	95.2	376,312	368,744	3.27	3.33	97.8	2.79
June	5,504	188	2.40	70.40	5.87	110.8	400,778	392,707	3.42	3.49	97.4	2.84
July	3,695	127	2.64	76.56	5.84	70.0	491,080	480,504	3.64	3.72	97.7	2.92
August	5,434	188	2.62	75.86	5.63	110.5	444,330	435,215	3.80	3.88	97.3	2.91
Sept	8,450	294	2.50	71.95	5.53	162.9	356,511	349,654	3.74	3.82	97.4	2.85
October	7,203	251	2.07	59.25	5.53	161.4	304,602	298,960	4.18	4.26	98.1	2.90
November	6,304	221	2.00	57.04	5.51	126.3	262,811	257,894	4.49	4.58	97.3	2.91
December	7,891	276	2.05	58.55	5.55	162.2	277,655	272,801	4.47	4.55	98.5	2.94
2013												
January	6,816	237	1.97	56.67	5.52	93.7	288,755	282,814	4.37	4.46	98.1	2.94
February	7,272	254	2.05	58.54	5.32	115.4	259,966	254,812	4.30	4.39	98.0	2.91
March	5,449	190	2.00	57.27	5.37	80.5	280,493	274,440	4.44	4.54	98.0	2.99
April	8,309	291	2.23	63.79	5.23	133.8	257,094	251,642	4.89	4.99	98.0	3.02
May	8,610	301	2.28	65.22	5.28	83.5	286,257	279,472	4.84	4.96	98.4	3.05
June	8,302	291	2.36	67.19	4.88	83.7	343,902	336,201	4.65	4.76	96.8	3.05
July	9,006	314	2.25	64.47	5.35	93.2	405,204	395,665	4.38	4.49	95.5	3.00
August	7,910	274	2.15	62.01	5.24	82.6	415,031	406,236	4.15	4.24	95.5	2.96
Sept	10,687	373	2.09	59.92	5.32	114.6	343,087	335,876	4.36	4.45	96.3	2.96
October	9,457	333	2.06	58.58	5.37	114.9	293,607	287,021	4.41	4.51	97.0	2.93
November	7,486	262	1.87	53.23	5.41	120.6	262,233	256,260	4.46	4.56	96.8	2.91
December	9,784	343	1.84	52.48	5.75	125.9	301,318	294,189	4.95	5.07	97.1	3.09
2014												
January	8,753	309	1.72	48.60	5.22	88.7	308,366	301,321	6.20	6.34	97.9	3.44
February	8,883	312	2.01	57.15	5.47	113.1	247,398	241,650	7.01	7.18	98.0	3.55
March	11,235	396	1.94	54.97	5.85	119.1	257,274	251,457	5.92	6.06	98.8	3.22
April	11,184	394	2.07	58.69	5.61	186.0	258,751	252,596	5.34	5.47	98.9	3.13
May	10,813	383	2.13	60.11	5.57	127.3	315,079	306,960	5.26	5.40	96.9	3.17
June	9,321	325	1.97	56.35	5.85	99.7	332,944	324,317	5.16	5.30	97.4	3.17
July	9,697	339	1.79	51.25	5.70	119.2	374,201	363,576	4.83	4.97	96.5	3.11
Year to Date												
2012	37,500	1,292	2.36	68.43	5.38	103.0	2,437,669	2,388,932	3.50	3.57	97.6	2.82
2013	53,763	1,878	2.18	62.39	5.27	95.2	2,121,672	2,075,045	4.55	4.65	97.4	2.99
2014	69,885	2,459	1.95	55.51	5.62	118.2	2,094,012	2,041,877	5.60	5.75	97.6	3.25
Rolling 12 Months Ending in July												
2013	89,045	3,107	2.20	63.13	5.38	110.1	3,767,582	3,689,570	4.34	4.44	97.5	2.95
2014	115,210	4,044	1.97	56.21	5.54	115.0	3,709,288	3,621,459	5.10	5.22	97.0	3.13

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Totals may not equal sum of components because of independent rounding.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.

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Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2004 - July 2014

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
2004	4,410,775	227,700	1.41	27.27	1.13	93.3	337,011	54,152	5.35	33.31	0.61	93.6
2005	4,459,333	229,071	1.56	30.39	1.10	83.0	381,871	61,753	8.30	51.34	0.54	97.2
2006	5,204,402	266,856	1.69	33.04	1.09	97.7	117,524	19,236	9.65	58.98	0.45	104.9
2007	5,275,454	273,216	1.71	33.11	1.06	97.5	125,025	20,486	10.49	64.01	0.45	85.0
2008	5,395,142	281,258	2.03	38.98	1.04	100.4	82,124	13,657	16.30	98.03	0.41	94.4
2009	4,563,080	240,687	2.11	39.94	1.06	101.1	68,030	11,408	10.02	59.76	0.37	102.0
2010	4,555,898	243,585	2.20	41.15	1.21	96.0	49,598	8,420	14.80	87.19	0.35	89.9
2011	4,292,284	233,295	2.28	41.95	1.25	95.9	41,599	7,096	20.30	119.01	0.50	106.9
2012	4,036,436	218,341	2.21	40.92	1.42	104.9	23,922	4,073	22.34	131.28	0.44	79.8
2013	3,890,699	207,866	2.21	41.37	1.49	94.9	43,238	7,170	19.69	118.82	0.45	109.3
2012												
January	388,350	21,060	2.26	41.77	1.31	115.4	2,714	456	22.60	134.74	0.30	105.3
February	337,872	18,053	2.27	42.45	1.46	113.6	1,746	295	23.54	139.55	0.43	98.9
March	301,945	16,043	2.19	41.20	1.38	115.8	893	151	24.81	146.34	0.43	63.0
April	279,069	14,935	2.14	39.96	1.36	128.0	1,229	210	25.16	147.95	0.44	77.7
May	301,903	16,397	2.21	40.78	1.39	104.1	1,913	324	23.65	139.61	0.42	75.9
June	319,532	17,466	2.14	39.18	1.56	98.3	2,573	433	21.63	128.42	0.44	71.3
July	327,180	17,996	2.24	40.71	1.31	82.4	2,341	397	20.68	121.95	0.56	61.1
August	359,430	19,491	2.25	41.57	1.42	92.8	1,813	310	21.95	128.49	0.44	73.6
Sept	347,329	18,971	2.17	39.83	1.41	106.6	1,531	262	W	W	0.48	81.4
October	360,456	19,549	2.19	40.38	1.41	113.1	1,785	306	23.25	135.64	0.43	87.1
November	365,210	19,708	2.22	41.11	1.46	106.7	2,446	410	22.75	135.68	0.40	108.5
December	348,160	18,669	2.24	41.72	1.50	101.0	2,937	518	19.60	110.92	0.51	73.8
2013												
January	340,941	18,161	2.22	41.69	1.51	95.5	2,933	489	21.08	126.71	0.54	47.7
February	296,408	15,858	2.18	40.82	1.57	89.1	4,331	709	20.66	126.55	0.51	115.4
March	306,254	16,226	2.25	42.38	1.58	89.6	4,003	658	19.62	119.28	0.41	195.9
April	291,480	15,251	2.22	42.45	1.61	101.1	2,062	348	W	W	0.44	95.8
May	333,182	17,460	2.23	42.66	1.54	107.9	2,398	401	20.47	122.55	0.43	94.5
June	319,506	17,178	2.22	41.35	1.41	90.9	2,041	343	20.50	122.16	0.43	80.9
July	325,945	17,938	2.19	39.79	1.28	83.2	3,347	557	20.01	120.25	0.46	64.6
August	358,153	19,383	2.17	40.08	1.42	95.5	3,431	579	19.52	115.72	0.39	152.7
Sept	350,561	18,838	2.20	41.01	1.48	97.9	4,937	820	18.63	112.25	0.40	173.0
October	322,743	17,045	2.24	42.38	1.50	102.6	3,890	644	19.12	115.46	0.47	190.2
November	318,976	16,898	2.19	41.26	1.51	105.8	6,387	1,049	18.51	113.03	0.49	283.7
December	326,549	17,650	2.21	40.93	1.45	87.0	3,478	573	19.70	119.32	0.41	60.6
2014												
January	351,567	19,088	2.25	41.36	1.46	90.7	14,487	2,432	22.03	131.48	0.46	43.1
February	311,297	16,615	2.27	42.58	1.54	83.2	13,355	2,195	21.47	130.96	0.38	186.9
March	367,068	19,161	2.31	44.22	1.49	99.7	6,040	1,013	22.58	134.67	0.52	62.4
April	329,629	17,032	2.32	44.88	1.52	104.2	2,114	358	21.86	128.91	0.48	121.4
May	345,115	18,178	2.28	43.32	1.55	113.7	3,114	515	20.13	121.81	0.52	151.6
June	334,501	17,873	2.28	42.62	1.53	101.1	2,781	462	21.06	126.86	0.51	133.8
July	338,433	18,407	2.23	40.92	1.45	91.8	2,293	385	21.58	128.67	0.50	94.9
Year to Date												
2012	2,255,851	121,951	2.21	40.91	1.40	106.0	13,410	2,267	22.72	134.49	0.43	77.4
2013	2,213,717	118,072	2.22	41.57	1.50	93.2	21,115	3,504	20.41	123.07	0.46	86.5
2014	2,377,611	126,354	2.28	42.83	1.51	97.0	44,184	7,359	21.70	130.48	0.45	74.9
Rolling 12 Months Ending in July												
2013	3,994,302	214,461	2.22	41.28	1.47	97.6	31,626	5,311	W	W	0.46	85.3
2014	4,054,593	216,169	2.25	42.11	1.49	97.1	66,307	11,025	20.80	125.26	0.45	89.4

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 Totals may not equal sum of components because of independent rounding.
 Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
 Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
 See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2004 - July 2014 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels Average Cost (Dollars per MMBtu)
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Percentage of Consumption	
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)		
Annual Totals												
2004	73,745	2,609	0.72	20.30	4.95	81.0	3,491,942	3,403,474	5.86	6.01	93.1	3.43
2005	92,706	3,277	0.90	25.42	5.09	82.9	3,675,165	3,578,722	8.20	8.42	95.8	4.69
2006	85,924	3,031	1.07	30.34	5.13	87.1	3,742,865	3,647,102	6.66	6.84	97.4	3.82
2007	56,580	1,994	1.02	28.95	4.88	69.3	4,097,825	3,990,546	6.92	7.11	97.2	4.06
2008	79,122	2,788	1.47	41.85	4.63	98.8	4,061,830	3,956,155	8.93	9.17	100.5	5.07
2009	49,619	1,732	1.31	37.63	3.87	93.6	4,087,573	3,987,721	4.30	4.41	100.7	3.18
2010	30,079	1,050	1.74	49.80	3.84	72.3	4,212,611	4,119,103	4.94	5.05	100.6	3.57
2011	33,643	1,175	2.54	72.85	4.55	84.6	4,252,040	4,158,617	4.62	4.72	100.8	3.52
2012	23,024	801	0.82	23.98	5.49	92.1	4,810,553	4,696,637	3.17	3.25	93.8	2.74
2013	16,150	575	W	W	5.39	63.3	4,190,714	4,080,785	4.25	4.36	93.1	W
2012												
January	2,378	84	0.75	21.66	5.78	81.3	349,484	341,570	3.44	3.52	93.9	2.83
February	2,027	71	W	W	5.74	80.6	354,095	345,712	3.08	3.15	93.6	W
March	2,331	81	W	W	5.72	113.6	361,777	353,324	2.65	2.72	93.3	W
April	1,925	67	W	W	5.46	145.3	381,808	373,193	2.34	2.40	94.9	W
May	1,868	65	W	W	5.66	105.2	421,157	411,534	2.68	2.74	94.5	W
June	2,609	90	1.52	44.78	5.17	153.1	460,670	449,871	2.85	2.92	94.4	2.59
July	2,447	86	1.37	40.26	5.40	119.6	568,098	555,197	3.28	3.35	94.2	2.89
August	1,096	38	1.02	29.88	5.35	39.1	533,502	520,978	3.25	3.32	93.6	2.84
Sept	832	29	W	W	5.05	40.7	431,134	420,686	3.17	3.25	94.8	W
October	951	33	W	W	5.25	45.2	351,334	342,548	3.63	3.72	94.0	W
November	2,194	76	W	W	5.33	120.2	296,103	288,823	4.16	4.26	91.8	W
December	2,364	82	W	W	5.58	125.5	301,391	293,201	4.03	4.14	90.9	W
2013												
January	1,444	52	0.00	0.00	5.37	64.1	324,443	315,935	4.56	4.68	92.8	3.33
February	1,424	51	0.00	0.00	5.39	70.3	286,512	279,141	4.69	4.81	91.6	3.44
March	1,474	53	0.00	0.00	5.36	67.4	304,053	296,416	4.35	4.46	92.3	3.31
April	1,507	54	W	W	5.44	73.0	291,416	283,497	4.56	4.68	93.0	W
May	1,628	57	W	W	5.43	111.6	314,292	305,531	4.47	4.60	92.9	W
June	1,541	54	W	W	5.43	77.8	371,688	361,468	4.22	4.34	93.5	W
July	1,543	54	W	W	5.37	66.2	474,886	461,576	4.07	4.18	93.9	W
August	951	34	W	W	5.36	32.6	456,115	444,009	3.69	3.79	93.9	W
Sept	118	4	W	W	5.22	5.9	384,536	376,720	3.84	3.91	94.0	W
October	1,492	53	W	W	5.33	70.0	325,798	317,076	3.87	3.98	93.1	W
November	1,490	52	W	W	5.43	74.2	313,805	305,625	4.04	4.14	92.5	W
December	1,538	55	W	W	5.42	70.6	343,171	333,790	5.02	5.17	93.0	W
2014												
January	922	33	W	W	5.35	51.9	336,351	327,554	8.50	8.73	92.6	W
February	1,039	38	0.00	0.00	5.27	60.8	282,583	274,887	8.21	8.44	89.4	5.16
March	1,127	41	W	W	5.47	62.5	285,397	277,577	6.35	6.53	91.7	W
April	1,047	37	W	W	5.53	57.9	278,793	271,192	4.86	5.00	92.4	W
May	1,419	50	W	W	5.35	88.8	314,442	305,472	4.55	4.69	92.5	W
June	1,349	47	W	W	5.24	103.8	371,601	360,629	4.46	4.60	93.5	W
July	1,124	39	W	W	5.55	67.8	446,952	433,735	4.03	4.15	93.7	W
Year to Date												
2012	15,585	543	0.95	27.59	5.55	108.5	2,897,090	2,830,401	2.92	2.99	94.1	2.62
2013	10,560	375	W	W	5.40	73.8	2,367,289	2,303,565	4.39	4.51	92.9	W
2014	8,027	286	W	W	5.39	68.8	2,316,119	2,251,046	5.74	5.90	92.4	W
Rolling 12 Months Ending in July												
2013	17,999	633	W	W	5.39	72.1	4,280,752	4,169,801	4.02	4.12	93.1	W
2014	13,616	485	W	W	5.39	59.6	4,139,544	4,028,265	4.99	5.13	92.8	W

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 Totals may not equal sum of components because of independent rounding.
 Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
 See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2004 - July 2014

Period	Coal						Petroleum Liquids						
	Receipts		Average Cost			Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	(Billion Btu)			(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)			
Annual Totals													
2004	10,682	451	2.08	49.32	2.48	23.5	3,066	527	6.19	35.96	0.20	26.9	
2005	11,081	464	2.57	61.21	2.43	24.2	1,684	289	8.28	48.22	0.17	18.3	
2006	12,207	518	2.63	61.95	2.51	27.5	798	137	13.50	78.70	0.17	15.5	
2007	12,419	531	2.67	62.46	2.58	27.6	249	43	14.04	81.93	0.17	6.2	
2008	43,997	2,009	2.65	58.12	1.73	99.4	3,800	633	17.84	107.10	0.37	102.0	
2009	41,182	1,876	2.90	63.68	1.67	104.3	3,517	583	10.82	65.26	0.45	122.1	
2010	37,778	1,747	2.82	61.06	1.77	101.6	2,395	400	15.24	91.25	0.38	106.3	
2011	35,892	1,686	2.92	62.24	1.78	101.1	1,959	325	19.67	118.66	0.55	108.0	
2012	4,427	192	3.41	78.71	2.75	13.2	247	43	W	W	0.00	11.0	
2013	3,507	151	W	W	3.05	10.7	0	0	--	--	--	0.0	
2012													
January	399	17	W	W	2.86	11.3	10	2	23.14	133.20	0.00	2.2	
February	394	17	3.62	83.49	2.90	12.7	2	0	W	W	0.00	1.7	
March	416	18	3.50	81.68	2.65	14.0	2	0	W	W	0.00	1.5	
April	523	22	W	W	1.62	21.2	14	3	W	W	0.00	13.8	
May	409	18	3.71	85.51	2.70	16.4	5	1	W	W	0.00	3.3	
June	291	13	W	W	2.57	11.7	48	8	W	W	0.00	30.3	
July	239	10	W	W	2.87	8.6	21	4	W	W	0.00	6.5	
August	464	21	W	W	2.69	17.1	47	8	W	W	0.00	24.8	
Sept	241	11	W	W	3.13	9.9	19	3	W	W	0.00	16.5	
October	159	7	W	W	3.53	6.9	42	7	W	W	0.00	31.5	
November	380	17	W	W	3.19	13.5	18	3	W	W	0.00	10.1	
December	511	22	2.94	67.86	3.21	15.7	18	3	W	W	0.00	10.3	
2013													
January	390	17	W	W	2.99	11.3	0	0	--	--	--	0.0	
February	394	17	W	W	3.07	12.0	0	0	--	--	--	0.0	
March	489	21	W	W	2.74	15.5	0	0	--	--	--	0.0	
April	241	10	W	W	3.04	9.6	0	0	--	--	--	0.0	
May	383	17	W	W	2.96	14.6	0	0	--	--	--	0.0	
June	355	16	W	W	2.91	14.7	0	0	--	--	--	0.0	
July	209	9	W	W	3.41	8.6	0	0	--	--	--	0.0	
August	386	17	W	W	2.82	15.8	0	0	--	--	--	0.0	
Sept	143	6	W	W	3.37	6.2	0	0	--	--	--	0.0	
October	61	3	W	W	3.34	2.7	0	0	--	--	--	0.0	
November	202	9	W	W	3.52	7.4	0	0	--	--	--	0.0	
December	254	11	W	W	3.45	8.3	0	0	--	--	--	0.0	
2014													
January	400	18	W	W	3.06	11.8	0	0	--	--	--	0.0	
February	407	18	W	W	2.91	12.2	0	0	--	--	--	0.0	
March	452	20	W	W	2.72	13.9	0	0	--	--	--	0.0	
April	364	15	W	W	1.91	13.3	0	0	--	--	--	0.0	
May	475	21	W	W	2.54	22.1	0	0	--	--	--	0.0	
June	116	5	W	W	2.88	5.5	0	0	--	--	--	0.0	
July	261	11	W	W	2.52	11.2	0	0	--	--	--	0.0	
Year to Date													
2012	2,672	115	3.64	84.86	2.53	13.4	102	18	W	W	0.00	7.1	
2013	2,460	106	W	W	2.98	12.4	0	0	--	--	--	0.0	
2014	2,475	107	W	W	2.64	12.8	0	0	--	--	--	0.0	
Rolling 12 Months Ending in July													
2013	4,215	183	W	W	3.02	12.6	145	25	W	W	0.00	5.9	
2014	3,522	152	W	W	2.82	11.0	0	0	--	--	--	0.0	

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Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

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Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2004 - July 2014 (continued)

Period	Petroleum Coke							Natural Gas					All Fossil Fuels
	Receipts		Average Cost			Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost			Average Cost
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	(Billion Btu)			(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)	
Annual Totals													
2004	0	0	--	--	--	0.0	16,176	15,804	5.93	6.07	21.9	4.58	
2005	0	0	--	--	--	0.0	17,600	17,142	8.38	8.60	25.2	6.25	
2006	0	0	--	--	--	0.0	21,369	20,819	8.33	8.55	30.7	6.42	
2007	0	0	--	--	--	0.0	23,502	22,955	7.99	8.18	32.8	6.20	
2008	370	14	2.14	58.36	5.53	135.3	71,670	69,877	9.01	9.24	105.5	6.94	
2009	252	9	1.65	46.54	5.11	102.8	81,134	79,308	5.18	5.30	105.0	4.58	
2010	410	15	2.19	60.59	5.67	122.5	92,055	90,130	5.39	5.51	105.1	4.83	
2011	268	9	W	W	5.46	147.4	95,287	93,306	5.20	5.31	107.2	W	
2012	0	0	--	--	--	0.0	18,315	18,008	5.88	5.98	16.2	W	
2013	0	0	--	--	--	0.0	5,497	5,450	W	W	5.1	W	
2012													
January	0	0	--	--	--	0.0	1,688	1,657	6.82	6.95	18.1	W	
February	0	0	--	--	--	0.0	1,758	1,727	6.32	6.43	19.6	W	
March	0	0	--	--	--	0.0	1,587	1,560	6.24	6.35	17.6	W	
April	0	0	--	--	--	0.0	1,465	1,438	5.45	5.55	16.9	W	
May	0	0	--	--	--	0.0	1,230	1,208	5.51	5.61	13.7	W	
June	0	0	--	--	--	0.0	1,265	1,244	5.49	5.58	12.9	W	
July	0	0	--	--	--	0.0	1,530	1,507	5.30	5.39	12.4	W	
August	0	0	--	--	--	0.0	1,273	1,255	5.79	5.88	11.9	W	
Sept	0	0	--	--	--	0.0	1,495	1,477	5.25	5.32	15.9	W	
October	0	0	--	--	--	0.0	1,733	1,705	5.47	5.56	19.8	W	
November	0	0	--	--	--	0.0	1,593	1,565	6.41	6.52	18.9	W	
December	0	0	--	--	--	0.0	1,698	1,666	6.17	6.29	20.1	W	
2013													
January	0	0	--	--	--	0.0	330	327	W	W	3.5	W	
February	0	0	--	--	--	0.0	361	357	W	W	4.2	W	
March	0	0	--	--	--	0.0	382	378	W	W	4.3	W	
April	0	0	--	--	--	0.0	375	371	W	W	4.7	W	
May	0	0	--	--	--	0.0	467	464	W	W	5.7	W	
June	0	0	--	--	--	0.0	404	401	W	W	4.9	W	
July	0	0	--	--	--	0.0	445	440	W	W	4.5	W	
August	0	0	--	--	--	0.0	414	411	W	W	4.3	W	
Sept	0	0	--	--	--	0.0	560	554	W	W	6.6	W	
October	0	0	--	--	--	0.0	633	629	W	W	7.5	W	
November	0	0	--	--	--	0.0	529	524	W	W	5.7	W	
December	0	0	--	--	--	0.0	599	592	W	W	5.7	W	
2014													
January	0	0	--	--	--	0.0	405	400	W	W	4.1	W	
February	0	0	--	--	--	0.0	296	292	W	W	3.3	W	
March	0	0	--	--	--	0.0	354	349	W	W	4.1	W	
April	0	0	--	--	--	0.0	439	435	W	W	5.3	W	
May	0	0	--	--	--	0.0	490	486	W	W	5.8	W	
June	0	0	--	--	--	0.0	438	435	W	W	5.1	W	
July	0	0	--	--	--	0.0	475	471	W	W	5.2	W	
Year to Date													
2012	0	0	--	--	--	0.0	10,523	10,341	5.92	6.03	15.7	W	
2013	0	0	--	--	--	0.0	2,762	2,740	W	W	4.5	W	
2014	0	0	--	--	--	0.0	2,896	2,868	W	W	4.7	W	
Rolling 12 Months Ending in July													
2013	0	0	--	--	--	0.0	10,554	10,407	W	W	9.8	W	
2014	0	0	--	--	--	0.0	5,631	5,578	W	W	5.2	W	

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 See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
 Totals may not equal sum of components because of independent rounding.
 Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
 See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2004 - July 2014

Period	Coal							Petroleum Liquids					
	Receipts		Average Cost			Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	(Billion Btu)			(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)			
Annual Totals													
2004	326,495	15,324	1.63	34.79	1.43	57.6	25,491	4,107	4.98	30.93	1.38	18.5	
2005	339,968	16,011	1.94	41.17	1.42	61.9	36,383	5,876	6.64	41.13	1.36	26.4	
2006	320,640	15,208	2.03	42.76	1.47	60.2	19,514	3,214	7.57	45.95	1.30	21.2	
2007	303,091	13,540	2.20	49.16	1.36	60.1	33,637	5,514	8.53	52.06	1.33	38.8	
2008	493,724	22,044	2.72	60.96	1.28	100.7	48,822	7,958	12.50	76.69	1.01	109.0	
2009	431,686	19,661	2.81	61.68	1.22	99.5	55,899	9,232	9.83	59.52	0.83	112.8	
2010	468,991	21,492	2.75	60.08	1.26	87.2	33,276	5,554	13.21	79.15	0.93	125.6	
2011	476,108	22,204	2.93	62.86	1.33	99.5	28,939	4,878	17.67	104.83	1.08	144.8	
2012	285,172	13,206	3.02	65.24	1.33	65.8	6,739	1,095	W	W	1.52	40.8	
2013	196,902	8,700	W	W	1.51	44.4	2,023	326	18.42	113.46	1.66	14.6	
2012													
January	26,254	1,221	W	W	1.35	60.6	700	113	17.49	108.36	1.64	23.6	
February	22,263	1,040	2.99	63.96	1.36	56.8	503	82	W	W	1.46	37.0	
March	22,967	1,071	3.06	65.58	1.23	63.6	879	147	W	W	1.15	54.3	
April	22,649	1,044	W	W	1.37	70.5	538	87	W	W	1.47	44.5	
May	22,811	1,053	3.07	66.43	1.42	67.4	556	91	W	W	1.40	45.8	
June	22,523	1,037	W	W	1.45	66.8	515	84	W	W	1.52	50.8	
July	24,473	1,143	W	W	1.30	66.8	776	125	W	W	1.63	74.9	
August	26,133	1,208	W	W	1.36	70.9	540	88	W	W	1.62	47.6	
Sept	23,802	1,098	W	W	1.24	71.5	413	66	W	W	1.71	40.5	
October	24,214	1,117	W	W	1.28	70.4	394	64	W	W	1.58	25.8	
November	23,495	1,089	W	W	1.32	66.0	359	58	W	W	1.54	31.5	
December	23,589	1,085	3.02	65.67	1.30	61.9	565	91	W	W	1.67	43.2	
2013													
January	16,110	717	W	W	1.42	41.5	271	44	18.59	114.45	1.76	17.1	
February	14,495	639	W	W	1.54	39.9	199	33	18.09	110.10	1.38	16.3	
March	16,525	739	W	W	1.41	43.1	255	41	18.33	114.33	1.69	22.5	
April	15,631	684	W	W	1.54	44.6	209	34	W	W	1.73	16.6	
May	17,144	757	W	W	1.47	48.0	200	32	18.00	112.37	1.65	15.3	
June	15,481	682	W	W	1.36	43.2	234	38	18.49	114.07	1.83	21.3	
July	17,052	759	W	W	1.50	45.8	167	27	17.47	108.96	1.84	14.0	
August	16,786	736	W	W	1.51	46.2	143	24	18.57	112.14	1.82	12.4	
Sept	16,427	728	W	W	1.58	47.1	70	12	18.34	110.96	1.45	8.3	
October	16,767	736	W	W	1.56	44.7	84	14	19.32	119.82	0.80	9.3	
November	17,334	760	W	W	1.65	45.2	69	12	20.57	123.01	0.99	7.6	
December	17,149	765	W	W	1.61	43.4	122	20	19.07	117.04	1.57	10.1	
2014													
January	16,877	750	W	W	1.49	41.6	310	50	19.16	117.73	1.34	10.0	
February	16,046	707	W	W	1.53	43.0	274	44	20.61	127.88	1.01	16.4	
March	18,428	812	W	W	1.63	46.2	115	19	21.18	130.19	1.11	7.4	
April	15,778	709	W	W	1.46	46.6	107	17	17.49	109.27	1.76	10.7	
May	15,782	704	W	W	1.47	45.3	126	20	17.42	107.63	1.81	13.1	
June	15,905	703	W	W	1.61	46.0	185	30	18.05	111.09	1.86	17.2	
July	17,478	773	W	W	1.49	48.5	121	20	15.79	98.08	1.72	11.9	
Year to Date													
2012	163,939	7,610	3.02	65.08	1.35	64.3	4,467	729	W	W	1.46	42.9	
2013	112,439	4,976	W	W	1.46	43.7	1,535	248	18.21	112.63	1.72	17.4	
2014	116,293	5,158	W	W	1.53	45.2	1,237	200	18.85	116.46	1.46	11.9	
Rolling 12 Months Ending in July													
2013	233,672	10,571	W	W	1.38	53.9	3,807	614	W	W	1.66	25.5	
2014	200,756	8,882	W	W	1.55	45.2	1,726	281	18.91	116.34	1.44	11.2	

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See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary.

See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding.

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

See the Technical Notes for fuel conversion factors.

Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor form(s) including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2004 - July 2014 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels Average Cost (Dollars per MMBtu)
	Receipts		Average Cost				Receipts		Average Cost			
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	
Annual Totals												
2004	14,876	540	0.98	27.01	5.59	40.4	839,886	814,843	6.04	6.22	68.4	4.76
2005	16,620	594	1.21	33.75	5.44	58.2	828,882	805,132	8.00	8.24	74.3	6.18
2006	17,875	646	1.63	45.05	5.43	42.7	869,157	844,211	7.02	7.22	75.7	5.64
2007	19,700	698	1.96	55.42	5.52	43.6	896,803	871,178	6.97	7.18	82.9	5.78
2008	39,246	1,396	3.34	93.84	4.92	117.9	1,099,613	1,068,372	8.95	9.22	111.9	7.10
2009	38,924	1,381	1.80	50.82	4.51	114.2	1,117,489	1,088,880	4.27	4.38	110.0	4.02
2010	35,866	1,269	2.46	69.38	4.90	100.5	1,166,768	1,135,917	4.64	4.77	110.4	4.24
2011	37,981	1,351	W	W	5.03	108.3	1,331,977	1,296,628	4.28	4.40	122.0	W
2012	23,861	858	2.62	72.96	5.86	42.2	834,245	813,288	2.97	3.05	70.8	W
2013	14,500	517	W	W	6.08	30.3	744,385	722,441	W	W	63.0	W
2012												
January	1,461	54	3.34	91.14	5.57	26.5	71,420	69,608	3.21	3.30	73.8	W
February	428	16	W	W	5.31	10.5	65,859	64,147	2.85	2.93	72.2	W
March	1,900	68	W	W	5.33	44.1	67,637	65,868	2.58	2.66	72.5	W
April	2,282	82	W	W	5.64	61.4	67,492	65,641	2.34	2.41	72.7	W
May	2,579	93	W	W	5.53	69.1	68,198	66,297	2.38	2.46	69.8	W
June	2,062	73	2.59	72.74	5.79	48.2	70,695	68,812	2.65	2.73	70.4	W
July	1,419	51	2.58	71.62	6.07	29.9	73,402	71,204	2.94	3.04	66.4	W
August	2,088	75	2.60	72.32	6.13	37.0	71,324	70,263	3.12	3.17	67.1	W
Sept	2,643	95	W	W	6.16	53.0	66,883	65,236	2.83	2.91	68.3	W
October	1,760	63	W	W	6.27	38.0	68,718	67,113	3.20	3.28	71.8	W
November	2,466	88	W	W	6.01	44.7	68,292	66,625	3.61	3.71	71.7	W
December	2,773	100	W	W	6.05	52.9	74,324	72,475	3.81	3.91	74.0	W
2013												
January	1,642	59	2.23	62.30	6.34	31.0	61,318	59,759	W	W	58.9	W
February	863	31	W	W	6.39	21.1	58,825	57,075	W	W	62.7	W
March	1,159	41	W	W	6.25	25.7	62,684	60,482	W	W	61.7	W
April	1,194	43	W	W	6.25	26.6	57,831	56,203	W	W	62.7	W
May	1,281	45	W	W	6.08	39.7	61,770	60,091	W	W	64.4	W
June	1,450	52	W	W	5.91	43.4	63,835	61,941	W	W	66.9	W
July	1,415	50	W	W	6.27	37.7	63,264	61,407	W	W	63.2	W
August	1,807	63	W	W	6.14	50.7	64,219	62,428	W	W	63.4	W
Sept	1,277	45	W	W	5.96	36.4	59,596	57,833	W	W	63.5	W
October	998	36	W	W	5.60	24.3	61,454	59,591	W	W	64.1	W
November	486	17	W	W	6.03	13.2	63,475	61,578	W	W	63.8	W
December	927	35	W	W	5.52	22.2	66,113	64,053	W	W	61.3	W
2014												
January	219	8	W	W	6.07	6.7	63,475	61,566	W	W	60.9	W
February	161	6	W	W	6.30	6.3	56,978	55,227	W	W	62.5	W
March	577	21	W	W	5.82	20.9	61,176	59,323	W	W	61.5	W
April	503	18	W	W	6.00	19.8	56,194	54,552	W	W	62.3	W
May	361	13	W	W	5.57	27.3	57,185	55,396	W	W	64.1	W
June	766	27	W	W	5.67	48.4	58,176	56,340	W	W	64.2	W
July	571	20	W	W	5.85	16.0	62,125	60,142	W	W	65.3	W
Year to Date												
2012	12,132	437	2.70	74.92	5.62	39.7	484,704	471,577	2.71	2.79	71.0	W
2013	9,004	320	W	W	6.21	31.4	429,528	416,959	W	W	62.9	W
2014	3,158	113	W	W	5.83	18.0	415,311	402,546	W	W	62.9	W
Rolling 12 Months Ending in July												
2013	20,734	740	W	W	6.15	37.9	779,069	758,670	W	W	66.1	W
2014	8,653	310	W	W	5.86	23.6	730,168	708,029	W	W	63.0	W

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Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, July 2014 and 2013
(Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	205	203	1.0%	23	17	181	184	0	0	1	2
Connecticut	12	83	-86.0%	0	0	12	83	0	0	0	0
Maine	4	3	62.0%	0	0	3	1	0	0	1	2
Massachusetts	93	101	-8.2%	0	0	93	101	0	0	0	0
New Hampshire	23	17	39.0%	23	17	0	0	0	0	0	0
Rhode Island	73	0	--	0	0	73	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,895	2,718	6.5%	0	0	2,873	2,697	0	0	22	21
New Jersey	93	113	-18.0%	0	0	93	113	0	0	0	0
New York	172	187	-7.7%	0	0	164	170	0	0	8	16
Pennsylvania	2,630	2,418	8.8%	0	0	2,616	2,413	0	0	14	5
East North Central	16,338	16,576	-1.4%	10,908	11,131	5,153	5,179	8	3	269	262
Illinois	4,906	5,288	-7.2%	408	557	4,346	4,548	0	0	152	183
Indiana	3,270	3,243	0.8%	3,051	3,005	219	238	0	0	0	0
Michigan	3,240	2,748	18.0%	3,194	2,714	36	24	8	3	2	7
Ohio	3,120	3,057	2.1%	2,544	2,668	552	369	0	0	25	20
Wisconsin	1,802	2,240	-20.0%	1,712	2,187	0	0	0	0	90	52
West North Central	11,268	11,910	-5.4%	11,167	11,800	0	0	3	6	98	104
Iowa	1,541	1,859	-17.0%	1,443	1,754	0	0	0	0	98	104
Kansas	1,565	1,623	-3.5%	1,565	1,623	0	0	0	0	0	0
Minnesota	1,246	876	42.0%	1,246	876	0	0	0	0	0	0
Missouri	3,418	3,872	-12.0%	3,415	3,866	0	0	3	6	0	0
Nebraska	1,379	1,411	-2.3%	1,379	1,411	0	0	0	0	0	0
North Dakota	1,967	2,076	-5.2%	1,967	2,076	0	0	0	0	0	0
South Dakota	152	195	-22.0%	152	195	0	0	0	0	0	0
South Atlantic	10,416	9,199	13.0%	8,462	7,542	1,825	1,509	0	0	129	149
Delaware	46	22	105.0%	0	0	46	22	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,789	2,001	-11.0%	1,670	1,899	120	102	0	0	0	0
Georgia	1,859	1,791	3.8%	1,827	1,768	0	0	0	0	31	23
Maryland	624	706	-12.0%	0	0	597	677	0	0	27	29
North Carolina	1,547	1,156	34.0%	1,547	1,156	0	0	0	0	0	0
South Carolina	995	611	63.0%	986	595	0	0	0	0	9	16
Virginia	877	938	-6.5%	792	847	53	44	0	0	32	47
West Virginia	2,679	1,973	36.0%	1,640	1,276	1,009	664	0	0	30	33
East South Central	8,014	7,162	12.0%	7,515	6,651	374	380	0	0	125	130
Alabama	2,382	1,977	20.0%	2,382	1,977	0	0	0	0	0	0
Kentucky	3,060	3,010	1.7%	3,060	3,010	0	0	0	0	0	0
Mississippi	721	583	24.0%	347	203	374	380	0	0	0	0
Tennessee	1,851	1,591	16.0%	1,726	1,460	0	0	0	0	125	130
West South Central	13,286	13,847	-4.1%	6,487	6,925	6,787	6,921	0	0	11	0
Arkansas	1,596	1,460	9.3%	1,488	1,213	97	247	0	0	11	0
Louisiana	1,219	1,393	-12.0%	616	780	604	613	0	0	0	0
Oklahoma	1,490	1,545	-3.5%	1,374	1,458	116	87	0	0	0	0
Texas	8,980	9,449	-5.0%	3,009	3,474	5,971	5,975	0	0	0	0
Mountain	9,338	9,198	1.5%	8,401	8,550	887	613	0	0	51	35
Arizona	1,998	1,890	5.7%	1,998	1,890	0	0	0	0	0	0
Colorado	1,326	1,644	-19.0%	1,326	1,644	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	796	521	53.0%	0	0	796	521	0	0	0	0
Nevada	405	276	47.0%	315	184	90	92	0	0	0	0
New Mexico	1,212	1,290	-6.0%	1,212	1,290	0	0	0	0	0	0
Utah	1,307	1,322	-1.1%	1,257	1,287	0	0	0	0	51	35
Wyoming	2,294	2,256	1.7%	2,294	2,256	0	0	0	0	0	0
Pacific Contiguous	542	473	14.0%	209	28	267	390	0	0	66	55
California	99	76	30.0%	0	0	33	21	0	0	66	55
Oregon	209	28	653.0%	209	28	0	0	0	0	0	0
Washington	234	369	-37.0%	0	0	234	369	0	0	0	0
Pacific Noncontiguous	61	63	-3.9%	0	0	61	63	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	61	63	-3.9%	0	0	61	63	0	0	0	0
U.S. Total	72,363	71,348	1.4%	53,172	52,643	18,407	17,938	11	9	773	759

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See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.6.B. Receipts of Coal Delivered for Electricity Generation by State, (Year-to-Date) July 2014 and 2013
(Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	2,085	1,925	8.3%	427	484	1,636	1,423	0	0	21	17
Connecticut	470	237	98.0%	0	0	470	237	0	0	0	0
Maine	63	41	53.0%	0	0	42	24	0	0	21	17
Massachusetts	955	1,162	-18.0%	0	0	955	1,162	0	0	0	0
New Hampshire	427	484	-12.0%	427	484	0	0	0	0	0	0
Rhode Island	169	0	--	0	0	169	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	22,682	21,761	4.2%	0	0	22,424	21,515	0	0	258	246
New Jersey	697	601	16.0%	0	0	697	601	0	0	0	0
New York	2,071	1,714	21.0%	0	0	1,903	1,520	0	0	167	194
Pennsylvania	19,914	19,446	2.4%	0	0	19,824	19,394	0	0	90	52
East North Central	110,110	103,921	6.0%	71,057	68,727	37,349	33,545	53	46	1,651	1,603
Illinois	35,701	32,989	8.2%	3,035	3,712	31,553	28,185	0	0	1,113	1,093
Indiana	23,444	20,573	14.0%	21,857	19,114	1,588	1,459	0	0	0	0
Michigan	15,499	15,427	0.5%	15,271	15,235	120	78	53	46	54	68
Ohio	23,543	22,201	6.0%	19,287	18,226	4,088	3,824	0	0	169	152
Wisconsin	11,922	12,731	-6.4%	11,607	12,441	0	0	0	0	315	290
West North Central	75,428	74,602	1.1%	74,613	73,782	0	0	54	60	762	760
Iowa	9,903	11,056	-10.0%	9,141	10,296	0	0	0	0	762	760
Kansas	10,704	10,559	1.4%	10,704	10,559	0	0	0	0	0	0
Minnesota	8,739	7,007	25.0%	8,739	7,007	0	0	0	0	0	0
Missouri	23,623	23,896	-1.1%	23,570	23,836	0	0	54	60	0	0
Nebraska	8,567	8,471	1.1%	8,567	8,471	0	0	0	0	0	0
North Dakota	12,851	12,585	2.1%	12,851	12,585	0	0	0	0	0	0
South Dakota	1,040	1,028	1.2%	1,040	1,028	0	0	0	0	0	0
South Atlantic	68,195	61,352	11.0%	53,137	49,317	14,032	11,139	0	0	1,025	897
Delaware	430	316	36.0%	0	0	430	316	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	11,364	10,886	4.4%	10,880	10,488	484	398	0	0	0	0
Georgia	11,535	10,310	12.0%	11,266	10,108	0	0	0	0	270	202
Maryland	5,071	3,780	34.0%	0	0	4,848	3,579	0	0	223	201
North Carolina	9,011	8,657	4.1%	9,011	8,657	0	0	0	0	0	0
South Carolina	5,673	5,217	8.7%	5,546	5,146	0	0	0	0	128	71
Virginia	6,127	5,028	22.0%	5,425	4,413	520	350	0	0	182	265
West Virginia	18,983	17,158	11.0%	11,010	10,505	7,751	6,495	0	0	222	158
East South Central	50,127	49,533	1.2%	47,203	46,434	2,022	2,165	0	0	902	934
Alabama	13,597	12,268	11.0%	13,597	12,268	0	0	0	0	0	0
Kentucky	20,856	22,461	-7.1%	20,856	22,461	0	0	0	0	0	0
Mississippi	3,759	3,349	12.0%	1,737	1,184	2,022	2,165	0	0	0	0
Tennessee	11,915	11,456	4.0%	11,013	10,522	0	0	0	0	902	934
West South Central	82,086	84,578	-2.9%	41,463	43,667	40,597	40,911	0	0	26	0
Arkansas	10,319	9,622	7.2%	9,191	8,571	1,102	1,051	0	0	26	0
Louisiana	6,014	8,392	-28.0%	2,496	4,534	3,518	3,858	0	0	0	0
Oklahoma	10,281	10,208	0.7%	9,661	9,569	620	639	0	0	0	0
Texas	55,471	56,356	-1.6%	20,114	20,993	35,357	35,363	0	0	0	0
Mountain	58,437	59,978	-2.6%	53,313	54,331	4,940	5,491	0	0	184	155
Arizona	12,903	12,376	4.3%	12,903	12,376	0	0	0	0	0	0
Colorado	9,752	10,450	-6.7%	9,752	10,450	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	4,499	5,041	-11.0%	0	0	4,499	5,041	0	0	0	0
Nevada	2,412	1,297	86.0%	1,972	846	441	451	0	0	0	0
New Mexico	6,930	8,425	-18.0%	6,930	8,425	0	0	0	0	0	0
Utah	7,722	8,316	-7.1%	7,538	8,160	0	0	0	0	184	155
Wyoming	14,218	14,075	1.0%	14,218	14,075	0	0	0	0	0	0
Pacific Contiguous	4,550	2,572	77.0%	1,290	750	2,932	1,459	0	0	329	363
California	481	469	2.4%	0	0	152	106	0	0	329	363
Oregon	1,290	750	72.0%	1,290	750	0	0	0	0	0	0
Washington	2,780	1,353	106.0%	0	0	2,780	1,353	0	0	0	0
Pacific Noncontiguous	423	422	0.0%	0	0	423	422	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	423	422	0.0%	0	0	423	422	0	0	0	0
U.S. Total	474,122	460,646	2.9%	342,502	337,492	126,354	118,072	107	106	5,158	4,976

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, July 2014 and 2013
(Thousand Barrels)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	117	76	55.0%	62	1	55	75	0	0	0	0
Connecticut	53	1	NM	0	0	53	1	0	0	0	0
Maine	1	0	220.0%	0	0	1	0	0	0	0	0
Massachusetts	61	74	-17.0%	61	0	0	74	0	0	0	0
New Hampshire	1	1	24.0%	1	1	0	0	0	0	0	0
Rhode Island	1	0	--	0	0	1	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	161	386	-58.0%	89	160	71	225	0	0	1	1
New Jersey	1	9	-84.0%	0	0	1	9	0	0	0	0
New York	140	284	-51.0%	89	160	50	123	0	0	1	1
Pennsylvania	20	93	-79.0%	0	0	20	93	0	0	0	0
East North Central	74	97	-24.0%	50	72	23	23	0	0	1	2
Illinois	17	13	33.0%	3	4	14	9	0	0	0	0
Indiana	16	15	9.0%	16	15	0	0	0	0	0	0
Michigan	11	21	-45.0%	11	21	0	0	0	0	0	0
Ohio	26	45	-43.0%	16	30	9	13	0	0	1	1
Wisconsin	4	4	7.7%	3	2	0	1	0	0	0	0
West North Central	22	45	-52.0%	22	45	0	0	0	0	0	0
Iowa	5	13	-58.0%	5	13	0	0	0	0	0	0
Kansas	0	15	-100.0%	0	15	0	0	0	0	0	0
Minnesota	3	5	-50.0%	3	5	0	0	0	0	0	0
Missouri	3	6	-49.0%	3	6	0	0	0	0	0	0
Nebraska	8	1	491.0%	8	1	0	0	0	0	0	0
North Dakota	2	5	-57.0%	2	5	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	265	293	-9.5%	224	240	23	29	0	0	18	24
Delaware	4	3	5.2%	0	0	4	3	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	90	47	90.0%	90	47	0	0	0	0	0	0
Georgia	16	12	42.0%	13	9	0	0	0	0	3	3
Maryland	10	16	-39.0%	0	0	10	16	0	0	0	0
North Carolina	13	23	-42.0%	13	23	0	0	0	0	0	0
South Carolina	18	39	-54.0%	6	23	0	0	0	0	12	16
Virginia	93	121	-23.0%	81	107	10	10	0	0	2	4
West Virginia	21	32	-34.0%	21	32	0	0	0	0	0	0
East South Central	40	31	31.0%	40	31	0	0	0	0	0	0
Alabama	5	10	-56.0%	5	10	0	0	0	0	0	0
Kentucky	27	14	100.0%	27	14	0	0	0	0	0	0
Mississippi	0	3	-100.0%	0	3	0	0	0	0	0	0
Tennessee	9	4	109.0%	9	4	0	0	0	0	0	0
West South Central	18	14	36.0%	4	5	14	9	0	0	0	0
Arkansas	1	0	--	0	0	1	0	0	0	0	0
Louisiana	5	7	-23.0%	0	0	5	7	0	0	0	0
Oklahoma	1	0	74.0%	1	0	0	0	0	0	0	0
Texas	12	6	84.0%	3	4	9	2	0	0	0	0
Mountain	20	22	-9.4%	18	19	2	3	0	0	0	0
Arizona	6	4	47.0%	6	4	0	0	0	0	0	0
Colorado	1	0	--	1	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	2	3	-40.0%	0	0	2	3	0	0	0	0
Nevada	2	3	-22.0%	2	3	0	0	0	0	0	0
New Mexico	6	6	-0.3%	6	6	0	0	0	0	0	0
Utah	3	2	62.0%	3	2	0	0	0	0	0	0
Wyoming	1	5	-78.0%	1	5	0	0	0	0	0	0
Pacific Contiguous	3	3	-21.0%	0	0	3	3	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	3	3	-21.0%	0	0	3	3	0	0	0	0
Pacific Noncontiguous	673	799	-16.0%	480	610	193	189	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	673	799	-16.0%	480	610	193	189	0	0	0	0
U.S. Total	1,392	1,765	-21.0%	988	1,182	385	557	0	0	20	27

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) July 2014 and 2013
(Thousand Barrels)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	2,059	922	123.0%	211	107	1,810	801	0	0	38	15
Connecticut	491	107	360.0%	0	0	491	107	0	0	0	0
Maine	240	381	-37.0%	0	0	202	367	0	0	38	15
Massachusetts	932	307	203.0%	81	0	851	307	0	0	0	0
New Hampshire	309	107	189.0%	130	107	179	0	0	0	0	0
Rhode Island	87	20	336.0%	0	0	87	20	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	3,649	1,503	143.0%	807	389	2,834	1,096	0	0	8	17
New Jersey	228	41	452.0%	0	0	228	41	0	0	0	0
New York	2,535	1,159	119.0%	807	389	1,721	753	0	0	7	16
Pennsylvania	886	303	192.0%	0	0	885	302	0	0	1	1
East North Central	960	643	49.0%	613	519	316	111	0	0	31	13
Illinois	109	79	38.0%	27	25	81	53	0	0	0	0
Indiana	171	137	24.0%	171	137	0	0	0	0	0	0
Michigan	146	143	2.4%	136	135	0	0	0	0	10	7
Ohio	467	240	94.0%	215	180	232	56	0	0	19	4
Wisconsin	68	44	54.0%	64	41	2	2	0	0	2	1
West North Central	351	282	24.0%	348	282	2	0	0	0	0	0
Iowa	62	69	-9.0%	62	69	0	0	0	0	0	0
Kansas	48	62	-23.0%	48	62	0	0	0	0	0	0
Minnesota	65	17	289.0%	63	17	2	0	0	0	0	0
Missouri	110	67	64.0%	110	67	0	0	0	0	0	0
Nebraska	29	21	41.0%	29	21	0	0	0	0	0	0
North Dakota	30	42	-29.0%	30	42	0	0	0	0	0	0
South Dakota	6	5	22.0%	6	5	0	0	0	0	0	0
South Atlantic	4,089	1,707	140.0%	2,842	1,272	1,124	232	0	0	123	203
Delaware	21	15	39.0%	0	0	21	15	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	283	610	-54.0%	275	604	9	6	0	0	0	0
Georgia	279	159	75.0%	179	96	47	4	0	0	53	59
Maryland	756	106	615.0%	0	0	756	106	0	0	0	0
North Carolina	581	195	198.0%	570	146	11	49	0	0	0	0
South Carolina	444	193	131.0%	397	74	0	0	0	0	47	119
Virginia	1,572	279	464.0%	1,296	201	252	53	0	0	24	25
West Virginia	154	151	1.8%	126	151	29	0	0	0	0	0
East South Central	362	452	-20.0%	339	452	23	0	0	0	0	0
Alabama	104	103	1.6%	82	103	23	0	0	0	0	0
Kentucky	127	110	16.0%	127	110	0	0	0	0	0	0
Mississippi	15	13	17.0%	15	13	0	0	0	0	0	0
Tennessee	115	227	-49.0%	115	227	0	0	0	0	0	0
West South Central	184	169	8.8%	75	56	109	114	0	0	0	0
Arkansas	21	33	-35.0%	12	10	9	23	0	0	0	0
Louisiana	50	35	43.0%	17	5	33	29	0	0	0	0
Oklahoma	14	11	26.0%	14	11	0	0	0	0	0	0
Texas	99	91	9.2%	32	29	67	62	0	0	0	0
Mountain	211	218	-3.0%	197	204	14	14	0	0	0	0
Arizona	55	57	-2.8%	55	57	0	0	0	0	0	0
Colorado	4	3	44.0%	4	3	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	12	10	17.0%	0	0	12	10	0	0	0	0
Nevada	15	17	-11.0%	13	13	2	4	0	0	0	0
New Mexico	68	55	25.0%	68	55	0	0	0	0	0	0
Utah	19	34	-42.0%	19	34	0	0	0	0	0	0
Wyoming	37	43	-13.0%	37	43	0	0	0	0	0	0
Pacific Contiguous	17	32	-47.0%	7	21	10	11	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	7	6	23.0%	7	6	0	0	0	0	0	0
Washington	10	26	-63.0%	0	15	10	11	0	0	0	0
Pacific Noncontiguous	5,241	5,258	-0.3%	4,124	4,132	1,117	1,126	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	5,241	5,258	-0.3%	4,124	4,132	1,117	1,126	0	0	0	0
U.S. Total	17,124	11,186	53.0%	9,565	7,434	7,359	3,504	0	0	200	248

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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, July 2014 and 2013
(Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0	0	0	0	0
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	--	0	0	0	0	0	0	0	0
East North Central	134	76	77.0%	83	7	39	54	0	0	12	15
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	45	0	--	45	0	0	0	0	0	0	0
Michigan	31	4	678.0%	30	0	2	4	0	0	0	0
Ohio	38	50	-25.0%	0	0	38	50	0	0	0	0
Wisconsin	20	22	-6.7%	8	7	0	0	0	0	12	15
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	44	140	-68.0%	36	133	0	0	0	0	8	7
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	36	133	-73.0%	36	133	0	0	0	0	0	0
Georgia	8	7	8.9%	0	0	0	0	0	0	8	7
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	40	68	-41.0%	40	68	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	40	68	-41.0%	40	68	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	181	135	34.0%	181	107	0	0	0	0	0	28
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	181	107	69.0%	181	107	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	28	-100.0%	0	0	0	0	0	0	0	28
Mountain	0	0	--	0	0	0	0	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	0	0	--	0	0	0	0	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	399	418	-4.6%	339	314	39	54	0	0	20	50

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

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Notes:

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See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) July 2014 and 2013
(Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0	0	0	0	0
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	--	0	0	0	0	0	0	0	0
East North Central	898	479	87.0%	545	21	286	375	0	0	67	83
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	280	0	--	280	0	0	0	0	0	0	0
Michigan	242	27	789.0%	231	14	11	13	0	0	0	0
Ohio	275	362	-24.0%	0	0	275	362	0	0	0	0
Wisconsin	101	90	13.0%	34	7	0	0	0	0	67	83
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	759	655	16.0%	714	611	0	0	0	0	45	45
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	714	611	17.0%	714	611	0	0	0	0	0	0
Georgia	45	45	1.0%	0	0	0	0	0	0	45	45
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	197	336	-42.0%	197	336	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	197	336	-42.0%	197	336	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1,003	1,102	-9.0%	1,003	910	0	0	0	0	0	193
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,003	910	10.0%	1,003	910	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	193	-100.0%	0	0	0	0	0	0	0	193
Mountain	0	0	--	0	0	0	0	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	0	0	--	0	0	0	0	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	2,858	2,574	11.0%	2,459	1,878	286	375	0	0	113	320

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, July 2014 and 2013
(Million Cubic Feet)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	42,502	46,101	-7.8%	726	528	40,957	44,343	0	0	819	1,230
Connecticut	10,881	11,102	-2.0%	0	0	10,881	11,102	0	0	0	0
Maine	4,437	3,410	30.0%	0	0	3,618	2,180	0	0	819	1,230
Massachusetts	17,248	21,560	-20.0%	524	420	16,724	21,141	0	0	0	0
New Hampshire	4,037	4,140	-2.5%	203	108	3,834	4,032	0	0	0	0
Rhode Island	5,899	5,888	0.2%	0	0	5,899	5,888	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	111,395	119,502	-6.8%	10,949	13,916	100,300	105,450	0	0	146	136
New Jersey	26,116	26,226	-0.4%	0	0	26,116	26,226	0	0	0	0
New York	46,160	56,882	-19.0%	10,949	13,916	35,128	42,901	0	0	83	65
Pennsylvania	39,119	36,395	7.5%	0	0	39,056	36,323	0	0	63	72
East North Central	33,046	53,956	-39.0%	12,394	20,345	20,217	33,203	369	345	66	62
Illinois	2,512	9,556	-74.0%	285	1,079	2,224	8,477	0	0	3	0
Indiana	5,107	8,525	-40.0%	3,020	5,682	2,087	2,843	0	0	0	0
Michigan	5,403	12,072	-55.0%	1,194	4,272	3,797	7,396	369	345	44	58
Ohio	15,765	17,056	-7.6%	5,676	6,213	10,089	10,843	0	0	0	0
Wisconsin	4,258	6,746	-37.0%	2,219	3,098	2,020	3,644	0	0	19	4
West North Central	8,668	16,559	-48.0%	6,993	14,378	1,570	2,086	103	96	3	0
Iowa	983	2,773	-65.0%	981	2,773	0	0	0	0	2	0
Kansas	1,395	2,250	-38.0%	1,395	2,250	0	0	0	0	0	0
Minnesota	1,784	5,640	-68.0%	1,287	4,439	496	1,201	0	0	1	0
Missouri	3,487	4,220	-17.0%	2,310	3,240	1,074	885	103	96	0	0
Nebraska	410	951	-57.0%	410	951	0	0	0	0	0	0
North Dakota	1	0	--	1	0	0	0	0	0	0	0
South Dakota	610	725	-16.0%	610	725	0	0	0	0	0	0
South Atlantic	190,124	184,718	2.9%	151,340	145,270	36,953	37,320	0	0	1,831	2,128
Delaware	5,950	5,944	0.1%	0	0	5,191	4,832	0	0	759	1,112
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	102,618	94,614	8.5%	97,346	89,840	5,271	4,773	0	0	0	0
Georgia	29,390	25,574	15.0%	19,870	18,564	8,906	6,303	0	0	614	707
Maryland	2,790	4,651	-40.0%	0	0	2,765	4,588	0	0	25	64
North Carolina	20,843	19,554	6.6%	14,274	12,884	6,569	6,669	0	0	0	0
South Carolina	9,819	11,442	-14.0%	8,476	9,296	1,332	2,104	0	0	12	42
Virginia	18,123	22,098	-18.0%	11,373	14,506	6,328	7,388	0	0	422	204
West Virginia	590	841	-30.0%	0	180	590	661	0	0	0	0
East South Central	56,561	62,015	-8.8%	30,827	36,688	25,316	25,317	0	0	418	10
Alabama	28,602	29,147	-1.9%	7,053	8,196	21,549	20,951	0	0	0	0
Kentucky	1,310	2,727	-52.0%	1,249	2,253	61	474	0	0	0	0
Mississippi	21,429	26,120	-18.0%	17,723	22,228	3,705	3,892	0	0	0	0
Tennessee	5,220	4,021	30.0%	4,802	4,011	0	0	0	0	418	10
West South Central	257,634	272,271	-5.4%	69,291	85,089	135,483	133,340	0	0	52,861	53,842
Arkansas	6,792	10,030	-32.0%	1,033	3,401	5,511	6,630	0	0	248	0
Louisiana	44,223	47,627	-7.1%	20,391	21,840	7,078	8,049	0	0	16,754	17,739
Oklahoma	21,546	29,158	-26.0%	13,405	21,270	8,141	7,888	0	0	0	0
Texas	185,074	185,455	-0.2%	34,462	38,579	114,753	110,773	0	0	35,859	36,104
Mountain	71,465	74,871	-4.5%	46,495	44,997	24,917	29,861	0	0	53	13
Arizona	29,261	31,941	-8.4%	13,724	14,025	15,537	17,915	0	0	0	0
Colorado	9,343	9,509	-1.8%	5,505	4,982	3,638	4,527	0	0	0	0
Idaho	1,830	2,604	-30.0%	1,179	1,693	651	912	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	18,310	19,783	-7.4%	15,820	15,788	2,490	3,995	0	0	0	0
New Mexico	6,467	6,709	-3.6%	4,424	4,751	2,043	1,958	0	0	0	0
Utah	6,243	4,316	45.0%	5,833	3,750	358	553	0	0	53	13
Wyoming	11	8	34.0%	11	8	0	0	0	0	0	0
Pacific Contiguous	84,766	87,203	-2.8%	32,799	32,560	48,023	50,658	0	0	3,945	3,985
California	69,953	71,842	-2.6%	22,768	22,866	43,240	44,991	0	0	3,945	3,985
Oregon	8,005	8,476	-5.6%	3,726	3,667	4,279	4,810	0	0	0	0
Washington	6,808	6,885	-1.1%	6,305	6,028	504	858	0	0	0	0
Pacific Noncontiguous	1,761	1,893	-7.0%	1,761	1,893	0	0	0	0	0	0
Alaska	1,761	1,893	-7.0%	1,761	1,893	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	857,923	919,088	-6.7%	363,576	395,665	433,735	461,576	471	440	60,142	61,407

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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.9.B. Receipts of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) July 2014 and 2013
(Million Cubic Feet)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	184,375	212,341	-13.0%	1,264	1,076	179,557	203,198	0	0	3,554	8,066
Connecticut	54,472	62,188	-12.0%	0	0	54,472	62,188	0	0	0	0
Maine	19,195	20,377	-5.8%	0	0	15,641	12,311	0	0	3,554	8,066
Massachusetts	70,414	87,603	-20.0%	952	827	69,462	86,776	0	0	0	0
New Hampshire	16,137	15,931	1.3%	311	249	15,826	15,682	0	0	0	0
Rhode Island	24,157	26,241	-7.9%	0	0	24,157	26,241	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	550,657	558,680	-1.4%	55,042	65,179	494,437	492,365	0	0	1,178	1,136
New Jersey	123,739	115,348	7.3%	0	0	123,739	115,348	0	0	0	0
New York	229,288	246,145	-6.8%	55,042	65,179	173,712	180,498	0	0	534	467
Pennsylvania	197,630	197,188	0.2%	0	0	196,986	196,519	0	0	644	669
East North Central	251,150	258,815	-3.0%	97,814	96,187	149,217	158,619	2,468	2,303	1,651	1,706
Illinois	17,316	25,864	-33.0%	1,882	3,380	15,405	22,449	0	0	29	35
Indiana	44,540	42,847	3.9%	31,057	28,808	13,483	14,039	0	0	0	0
Michigan	60,493	61,820	-2.1%	15,294	14,976	41,807	43,833	2,468	2,303	924	709
Ohio	98,680	93,549	5.5%	35,520	32,215	63,046	61,299	0	0	114	34
Wisconsin	30,121	34,735	-13.0%	14,062	16,808	15,476	16,999	0	0	584	928
West North Central	48,247	69,773	-31.0%	40,646	59,170	7,188	10,159	400	436	13	8
Iowa	5,889	9,278	-37.0%	5,877	9,270	0	0	0	0	12	8
Kansas	7,843	9,880	-21.0%	7,843	9,880	0	0	0	0	0	0
Minnesota	14,663	26,796	-45.0%	11,050	22,257	3,611	4,539	0	0	1	0
Missouri	16,319	20,949	-22.0%	12,343	14,892	3,576	5,620	400	436	0	0
Nebraska	2,032	1,784	14.0%	2,032	1,784	0	0	0	0	0	0
North Dakota	8	0	--	8	0	0	0	0	0	0	0
South Dakota	1,493	1,086	38.0%	1,493	1,086	0	0	0	0	0	0
South Atlantic	1,053,076	1,062,612	-0.9%	860,200	857,014	180,162	186,276	0	0	12,714	19,322
Delaware	27,704	33,859	-18.0%	0	0	21,937	23,239	0	0	5,767	10,620
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	590,010	574,730	2.7%	565,764	546,289	24,246	28,441	0	0	0	0
Georgia	154,241	169,485	-9.0%	110,965	124,723	38,657	38,962	0	0	4,620	5,800
Maryland	10,062	13,668	-26.0%	0	0	9,883	13,249	0	0	179	419
North Carolina	114,717	113,303	1.2%	79,705	74,448	35,012	38,684	0	0	0	171
South Carolina	51,973	54,707	-5.0%	46,124	49,980	5,661	4,530	0	0	188	197
Virginia	100,828	100,720	0.1%	55,845	61,211	43,022	37,395	0	0	1,961	2,114
West Virginia	3,541	2,141	65.0%	1,798	365	1,744	1,776	0	0	0	0
East South Central	364,531	365,529	-0.3%	219,021	217,967	144,486	147,473	0	0	1,024	88
Alabama	172,257	183,114	-5.9%	53,964	52,556	118,294	130,559	0	0	0	0
Kentucky	21,553	10,769	100.0%	20,099	8,989	1,454	1,780	0	0	0	0
Mississippi	142,647	149,289	-4.4%	117,909	134,155	24,738	15,134	0	0	0	0
Tennessee	28,074	22,356	26.0%	27,050	22,267	0	0	0	0	1,024	88
West South Central	1,464,582	1,476,327	-0.8%	385,198	393,567	724,031	722,019	0	0	355,353	360,742
Arkansas	44,783	56,908	-21.0%	7,242	12,893	36,623	44,016	0	0	918	0
Louisiana	281,813	265,083	6.3%	116,813	105,702	50,184	41,543	0	0	114,817	117,838
Oklahoma	122,492	142,097	-14.0%	83,731	109,284	38,761	32,813	0	0	0	0
Texas	1,015,494	1,012,239	0.3%	177,412	165,688	598,463	603,648	0	0	239,618	242,903
Mountain	300,139	313,976	-4.4%	202,327	201,904	97,429	111,690	0	0	383	383
Arizona	97,090	102,975	-5.7%	47,352	46,147	49,738	56,828	0	0	0	0
Colorado	49,512	45,887	7.9%	28,425	26,020	21,086	19,866	0	0	0	0
Idaho	7,791	10,773	-28.0%	4,108	5,295	3,684	5,478	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	77,412	94,438	-18.0%	68,509	79,414	8,903	15,025	0	0	0	0
New Mexico	37,866	36,656	3.3%	24,585	24,656	13,280	12,000	0	0	0	0
Utah	30,402	23,194	31.0%	29,282	20,319	737	2,492	0	0	383	383
Wyoming	67	53	26.0%	67	53	0	0	0	0	0	0
Pacific Contiguous	470,184	465,597	1.0%	168,970	168,322	274,539	271,767	0	0	26,675	25,507
California	400,374	390,865	2.4%	126,851	127,413	246,848	237,944	0	0	26,675	25,507
Oregon	40,126	49,326	-19.0%	14,367	16,997	25,759	32,329	0	0	0	0
Washington	29,684	25,406	17.0%	27,752	23,912	1,932	1,494	0	0	0	0
Pacific Noncontiguous	11,396	14,658	-22.0%	11,396	14,658	0	0	0	0	0	0
Alaska	11,396	14,658	-22.0%	11,396	14,658	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	4,698,337	4,798,309	-2.1%	2,041,877	2,075,045	2,251,046	2,303,565	2,868	2,740	402,546	416,959

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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, July 2014 and 2013
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013
New England	3.72	W	W	4.38	4.31	3.61	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.38	4.31	1.6%	4.38	4.31	--	--
Rhode Island	W	--	W	--	--	W	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.59	2.66	-2.6%	--	--	2.59	2.66
New Jersey	3.87	3.86	0.3%	--	--	3.87	3.86
New York	2.99	2.95	1.4%	--	--	2.99	2.95
Pennsylvania	2.52	2.57	-1.9%	--	--	2.52	2.57
East North Central	2.33	2.26	3.1%	2.44	2.39	2.06	1.94
Illinois	1.98	1.88	5.3%	2.05	2.04	1.98	1.86
Indiana	W	W	W	2.54	2.48	W	W
Michigan	W	W	W	2.54	2.61	W	W
Ohio	W	W	W	2.33	2.21	W	W
Wisconsin	2.37	2.34	1.3%	2.37	2.34	--	--
West North Central	1.81	1.74	4.0%	1.81	1.74	--	--
Iowa	1.64	1.63	0.6%	1.64	1.63	--	--
Kansas	1.82	1.76	3.4%	1.82	1.76	--	--
Minnesota	2.01	1.98	1.5%	2.01	1.98	--	--
Missouri	2.01	1.91	5.2%	2.01	1.91	--	--
Nebraska	1.42	1.39	2.2%	1.42	1.39	--	--
North Dakota	1.68	1.54	9.1%	1.68	1.54	--	--
South Dakota	2.04	1.94	5.2%	2.04	1.94	--	--
South Atlantic	3.10	3.20	-3.1%	3.20	3.26	2.66	2.94
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.34	3.29	W	W
Georgia	3.17	2.98	6.4%	3.17	2.98	--	--
Maryland	2.94	3.32	-11.0%	--	--	2.94	3.32
North Carolina	3.55	3.92	-9.4%	3.55	3.92	--	--
South Carolina	3.61	3.78	-4.5%	3.61	3.78	--	--
Virginia	W	W	W	3.19	3.22	W	W
West Virginia	2.40	2.54	-5.5%	2.52	2.71	2.21	2.19
East South Central	W	W	W	2.58	2.54	W	W
Alabama	2.86	2.85	0.4%	2.86	2.85	--	--
Kentucky	2.35	2.34	0.4%	2.35	2.34	--	--
Mississippi	W	W	W	3.28	3.81	W	W
Tennessee	2.48	2.35	5.5%	2.48	2.35	--	--
West South Central	2.07	2.09	-1.0%	2.15	2.29	1.98	1.88
Arkansas	W	W	W	2.43	2.42	W	W
Louisiana	W	W	W	2.22	3.01	W	W
Oklahoma	W	W	W	1.98	2.01	W	W
Texas	2.01	1.97	2.0%	2.08	2.20	1.97	1.84
Mountain	W	W	W	2.03	1.91	W	W
Arizona	2.17	2.12	2.4%	2.17	2.12	--	--
Colorado	2.03	1.88	8.0%	2.03	1.88	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	2.50	2.85	W	W
New Mexico	2.28	2.27	0.4%	2.28	2.27	--	--
Utah	1.96	1.89	3.7%	1.96	1.89	--	--
Wyoming	1.75	1.46	20.0%	1.75	1.46	--	--
Pacific Contiguous	W	W	W	2.51	2.27	W	W
California	W	W	W	--	--	W	W
Oregon	2.51	2.27	11.0%	2.51	2.27	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	--	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.36	2.31	2.2%	2.40	2.34	2.23	2.19

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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, (Year-to-Date) July 2014 and 2013
(Dollars per MMBtu)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	3.55	3.79	-6.3%	4.30	4.25	3.32	3.62
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.30	4.25	1.2%	4.30	4.25	--	--
Rhode Island	W	--	W	--	--	W	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.70	2.59	4.2%	--	--	2.70	2.59
New Jersey	3.83	3.76	1.9%	--	--	3.83	3.76
New York	3.02	2.97	1.7%	--	--	3.02	2.97
Pennsylvania	2.62	2.53	3.6%	--	--	2.62	2.53
East North Central	2.32	2.29	1.3%	2.44	2.43	2.05	1.96
Illinois	1.98	1.89	4.8%	2.07	2.09	1.97	1.86
Indiana	W	W	W	2.59	2.54	W	W
Michigan	W	W	W	2.62	2.73	W	W
Ohio	W	W	W	2.29	2.24	W	W
Wisconsin	2.33	2.31	0.9%	2.33	2.31	--	--
West North Central	1.78	1.76	1.1%	1.78	1.76	--	--
Iowa	1.64	1.63	0.6%	1.64	1.63	--	--
Kansas	1.79	1.80	-0.6%	1.79	1.80	--	--
Minnesota	1.94	2.02	-4.0%	1.94	2.02	--	--
Missouri	2.00	1.91	4.7%	2.00	1.91	--	--
Nebraska	1.40	1.44	-2.8%	1.40	1.44	--	--
North Dakota	1.54	1.55	-0.6%	1.54	1.55	--	--
South Dakota	2.10	2.01	4.5%	2.10	2.01	--	--
South Atlantic	3.09	3.24	-4.6%	3.22	3.35	2.65	2.80
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.35	3.45	W	W
Georgia	3.13	3.20	-2.2%	3.13	3.20	--	--
Maryland	3.04	3.54	-14.0%	--	--	3.04	3.54
North Carolina	3.60	3.86	-6.7%	3.60	3.86	--	--
South Carolina	3.65	3.78	-3.4%	3.65	3.78	--	--
Virginia	W	W	W	3.22	3.34	W	W
West Virginia	2.43	2.51	-3.2%	2.62	2.72	2.16	2.17
East South Central	W	W	W	2.52	2.53	W	W
Alabama	2.74	2.79	-1.8%	2.74	2.79	--	--
Kentucky	2.36	2.36	0.0%	2.36	2.36	--	--
Mississippi	W	W	W	3.35	4.08	W	W
Tennessee	2.46	2.44	0.8%	2.46	2.44	--	--
West South Central	2.07	2.10	-1.4%	2.17	2.26	1.95	1.92
Arkansas	W	W	W	2.38	2.37	W	W
Louisiana	W	W	W	2.48	2.88	W	W
Oklahoma	W	W	W	1.97	2.03	W	W
Texas	2.01	2.00	0.5%	2.13	2.19	1.93	1.87
Mountain	W	W	W	1.98	1.93	W	W
Arizona	2.12	2.07	2.4%	2.12	2.07	--	--
Colorado	1.91	1.91	0.0%	1.91	1.91	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	2.41	2.65	W	W
New Mexico	2.37	2.30	3.0%	2.37	2.30	--	--
Utah	2.05	2.00	2.5%	2.05	2.00	--	--
Wyoming	1.58	1.48	6.8%	1.58	1.48	--	--
Pacific Contiguous	W	W	W	2.48	1.94	W	W
California	W	W	W	--	--	W	W
Oregon	2.48	1.94	28.0%	2.48	1.94	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	--	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.35	2.34	0.4%	2.38	2.39	2.28	2.22

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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, July 2014 and 2013
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013
New England	W	W	W	21.10	22.37	W	W
Connecticut	W	23.85	W	--	--	W	23.85
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	21.09	--	W	W
New Hampshire	21.49	22.37	-3.9%	21.49	22.37	--	--
Rhode Island	W	--	W	--	--	W	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	21.67	W	16.96	24.49	W	19.83
New Jersey	W	W	W	--	--	W	W
New York	W	22.21	W	16.96	24.49	W	19.52
Pennsylvania	21.87	W	W	--	--	21.87	W
East North Central	22.51	22.21	1.4%	22.06	22.19	23.45	22.26
Illinois	W	W	W	22.09	23.13	W	W
Indiana	22.11	22.33	-1.0%	22.11	22.33	--	--
Michigan	21.92	W	W	21.92	22.49	--	W
Ohio	22.44	21.90	2.5%	22.29	21.83	22.69	22.05
Wisconsin	W	W	W	21.27	21.70	W	W
West North Central	21.94	22.49	-2.4%	21.94	22.49	--	--
Iowa	21.95	22.32	-1.7%	21.95	22.32	--	--
Kansas	22.70	22.62	0.4%	22.70	22.62	--	--
Minnesota	22.06	22.67	-2.7%	22.06	22.67	--	--
Missouri	21.52	22.26	-3.3%	21.52	22.26	--	--
Nebraska	21.98	22.06	-0.4%	21.98	22.06	--	--
North Dakota	22.13	22.73	-2.6%	22.13	22.73	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	22.48	20.07	12.0%	22.53	19.80	21.96	22.43
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	22.82	23.23	W	W
Georgia	22.41	23.77	-5.7%	22.41	23.77	--	--
Maryland	21.32	21.66	-1.6%	--	--	21.32	21.66
North Carolina	21.97	22.92	-4.1%	21.97	22.92	--	--
South Carolina	22.10	23.05	-4.1%	22.10	23.05	--	--
Virginia	W	W	W	22.31	15.79	W	W
West Virginia	22.77	23.61	-3.6%	22.77	23.61	--	--
East South Central	21.31	22.51	-5.3%	21.31	22.51	--	--
Alabama	21.80	23.25	-6.2%	21.80	23.25	--	--
Kentucky	21.44	22.22	-3.5%	21.44	22.22	--	--
Mississippi	--	22.29	--	--	22.29	--	--
Tennessee	20.66	21.77	-5.1%	20.66	21.77	--	--
West South Central	20.94	W	W	21.61	22.42	20.76	W
Arkansas	W	--	W	--	--	W	--
Louisiana	W	--	W	--	--	W	W
Oklahoma	22.59	23.57	-4.2%	22.59	23.57	--	--
Texas	W	W	W	21.40	22.31	W	W
Mountain	W	W	W	23.89	24.35	W	W
Arizona	22.48	28.29	-21.0%	22.48	28.29	--	--
Colorado	22.01	--	--	22.01	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	23.76	24.62	W	W
New Mexico	25.73	24.29	5.9%	25.73	24.29	--	--
Utah	22.98	21.16	8.6%	22.98	21.16	--	--
Wyoming	24.80	22.30	11.0%	24.80	22.30	--	--
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	21.38	19.89	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	21.38	19.89	W	W
U.S. Total	21.37	20.56	3.9%	21.28	20.82	21.58	20.01

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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) July 2014 and 2013
(Dollars per MMBtu)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	W	W	W	20.10	17.29	W	W
Connecticut	W	19.09	W	--	--	W	19.09
Maine	W	W	W	--	--	W	W
Massachusetts	19.92	18.34	8.6%	21.51	--	19.78	18.34
New Hampshire	W	17.29	W	19.30	17.29	W	--
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	21.36	20.46	4.4%	20.08	22.22	21.77	19.83
New Jersey	23.68	21.04	13.0%	--	--	23.68	21.04
New York	20.53	20.13	2.0%	20.08	22.22	20.77	19.06
Pennsylvania	23.31	21.81	6.9%	--	--	23.31	21.81
East North Central	23.87	22.94	4.1%	23.15	22.93	25.41	23.00
Illinois	W	W	W	23.21	23.62	W	W
Indiana	23.47	23.01	2.0%	23.47	23.01	--	--
Michigan	22.51	W	W	22.51	22.96	--	W
Ohio	24.76	22.84	8.4%	23.59	22.84	25.83	22.83
Wisconsin	W	W	W	22.17	22.55	W	W
West North Central	W	22.60	W	22.41	22.60	W	--
Iowa	22.29	22.64	-1.5%	22.29	22.64	--	--
Kansas	22.17	22.59	-1.9%	22.17	22.59	--	--
Minnesota	W	23.09	W	22.58	23.09	W	--
Missouri	22.32	22.17	0.7%	22.32	22.17	--	--
Nebraska	22.19	22.38	-0.8%	22.19	22.38	--	--
North Dakota	23.13	23.04	0.4%	23.13	23.04	--	--
South Dakota	22.70	23.30	-2.6%	22.70	23.30	--	--
South Atlantic	22.45	W	W	22.43	20.35	22.49	W
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	23.04	19.10	W	W
Georgia	W	W	W	23.35	23.34	W	W
Maryland	21.89	21.69	0.9%	--	--	21.89	21.69
North Carolina	W	W	W	22.75	22.80	W	W
South Carolina	23.21	23.25	-0.2%	23.21	23.25	--	--
Virginia	22.00	W	W	21.67	17.63	23.76	W
West Virginia	W	23.76	W	24.11	23.76	W	--
East South Central	W	22.58	W	22.28	22.58	W	--
Alabama	W	22.21	W	21.99	22.21	W	--
Kentucky	22.58	22.65	-0.3%	22.58	22.65	--	--
Mississippi	21.90	21.63	1.2%	21.90	21.63	--	--
Tennessee	22.19	22.76	-2.5%	22.19	22.76	--	--
West South Central	21.86	22.21	-1.6%	21.96	22.45	21.79	22.08
Arkansas	W	W	W	22.91	22.40	W	W
Louisiana	W	W	W	21.90	22.21	W	W
Oklahoma	22.37	22.21	0.7%	22.37	22.21	--	--
Texas	W	W	W	21.44	22.61	W	W
Mountain	W	W	W	23.87	23.73	W	W
Arizona	23.47	24.68	-4.9%	23.47	24.68	--	--
Colorado	23.43	23.72	-1.2%	23.43	23.72	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	24.25	23.29	W	W
New Mexico	24.68	24.58	0.4%	24.68	24.58	--	--
Utah	22.47	21.57	4.2%	22.47	21.57	--	--
Wyoming	23.65	23.27	1.6%	23.65	23.27	--	--
Pacific Contiguous	W	W	W	22.68	23.18	W	W
California	--	--	--	--	--	--	--
Oregon	22.68	22.05	2.9%	22.68	22.05	--	--
Washington	W	W	W	--	23.63	W	W
Pacific Noncontiguous	W	W	W	21.54	20.55	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	21.54	20.55	W	W
U.S. Total	21.78	20.82	4.6%	21.84	21.00	21.70	20.41

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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, July 2014 and 2013
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.18	1.70	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.89	--	--	0.89	--	--	--
Michigan	W	W	W	1.45	--	W	W
Ohio	W	--	W	--	--	W	--
Wisconsin	1.92	1.70	13.0%	1.92	1.70	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.20	2.67	-18.0%	2.20	2.67	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.20	2.67	-18.0%	2.20	2.67	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.75	1.82	-3.8%	1.75	1.82	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.75	1.82	-3.8%	1.75	1.82	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	2.00	2.04	-2.0%	2.00	2.04	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	2.00	2.04	-2.0%	2.00	2.04	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	W	W	1.79	2.25	W	W

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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.12.B. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) July 2014 and 2013
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.22	1.57	W	W
Illinois	--	--	--	--	--	--	--
Indiana	0.96	--	--	0.96	--	--	--
Michigan	W	W	W	1.45	1.50	W	W
Ohio	W	--	W	--	--	W	--
Wisconsin	1.88	1.70	11.0%	1.88	1.70	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.44	2.68	-9.0%	2.44	2.68	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.44	2.68	-9.0%	2.44	2.68	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.74	1.84	-5.4%	1.74	1.84	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.74	1.84	-5.4%	1.74	1.84	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	2.04	1.99	2.5%	2.04	1.99	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	2.04	1.99	2.5%	2.04	1.99	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	W	W	1.95	2.18	W	W

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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 Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, July 2014 and 2013
(Dollars per MMBtu)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2014	July 2013	Percentage Change	July 2014	July 2013	July 2014	July 2013
New England	3.83	4.87	-21.0%	4.08	5.96	3.83	4.85
Connecticut	3.62	4.93	-27.0%	--	--	3.62	4.93
Maine	W	W	W	--	--	W	W
Massachusetts	3.99	4.76	-16.0%	3.78	5.63	4.00	4.74
New Hampshire	W	W	W	4.88	7.25	W	W
Rhode Island	3.74	W	W	--	--	3.74	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	3.35	4.19	-20.0%	3.99	4.62	3.27	4.12
New Jersey	3.22	3.78	-15.0%	--	--	3.22	3.78
New York	3.85	4.61	-16.0%	3.99	4.62	3.80	4.60
Pennsylvania	2.83	3.78	-25.0%	--	--	2.83	3.78
East North Central	4.13	4.13	0.0%	3.97	4.04	4.23	4.19
Illinois	W	4.53	W	5.30	4.54	W	4.53
Indiana	W	3.91	W	4.48	3.90	W	3.94
Michigan	5.02	4.47	12.0%	5.32	4.37	4.92	4.52
Ohio	3.52	3.82	-7.9%	2.98	3.69	3.83	3.90
Wisconsin	4.81	4.29	12.0%	5.00	4.39	4.60	4.19
West North Central	5.02	4.24	18.0%	5.01	4.24	5.07	4.19
Iowa	5.13	3.99	29.0%	5.13	3.99	--	--
Kansas	4.99	4.21	19.0%	4.99	4.21	--	--
Minnesota	W	W	W	6.14	4.38	W	W
Missouri	W	W	W	4.84	4.33	W	W
Nebraska	4.68	4.40	6.4%	4.68	4.40	--	--
North Dakota	4.32	--	--	4.32	--	--	--
South Dakota	3.33	3.95	-16.0%	3.33	3.95	--	--
South Atlantic	4.98	4.72	5.5%	5.06	4.81	4.46	4.23
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	5.26	5.06	W	W
Georgia	4.64	W	W	4.65	4.27	4.60	W
Maryland	4.52	4.45	1.6%	--	--	4.52	4.45
North Carolina	5.29	W	W	5.31	4.82	5.24	W
South Carolina	W	W	W	4.53	4.84	W	W
Virginia	W	3.92	W	4.17	4.01	W	3.74
West Virginia	W	3.80	W	--	3.93	W	3.77
East South Central	4.39	3.97	11.0%	4.41	3.97	4.36	3.96
Alabama	W	3.98	W	4.41	3.95	W	4.00
Kentucky	W	W	W	5.81	4.73	W	W
Mississippi	W	W	W	4.33	3.90	W	W
Tennessee	4.31	4.00	7.8%	4.31	4.00	--	--
West South Central	4.38	3.84	14.0%	4.58	3.95	4.25	3.75
Arkansas	W	W	W	12.34	5.49	W	W
Louisiana	4.43	W	W	4.46	3.83	4.36	W
Oklahoma	W	3.85	W	4.70	3.88	W	3.76
Texas	4.29	3.80	13.0%	4.38	3.93	4.26	3.75
Mountain	4.96	4.18	19.0%	5.09	4.26	4.54	3.99
Arizona	5.04	4.25	19.0%	5.34	4.51	4.58	3.90
Colorado	4.74	4.33	9.5%	4.83	4.32	4.59	4.34
Idaho	W	W	W	4.43	3.85	W	W
Montana	--	--	--	--	--	--	--
Nevada	W	W	W	5.34	4.22	W	W
New Mexico	4.59	4.09	12.0%	4.59	4.09	--	--
Utah	W	3.84	W	4.63	3.84	W	--
Wyoming	6.38	6.05	5.5%	6.38	6.05	--	--
Pacific Contiguous	4.77	4.17	14.0%	4.90	4.34	4.64	4.02
California	4.89	4.31	13.0%	5.12	4.62	4.72	4.10
Oregon	W	W	W	4.14	3.65	W	W
Washington	W	W	W	4.72	3.95	W	W
Pacific Noncontiguous	5.25	4.79	9.6%	5.25	4.79	--	--
Alaska	5.25	4.79	9.6%	5.25	4.79	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.44	4.23	5.0%	4.83	4.38	4.03	4.07

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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) July 2014 and 2013
(Dollars per MMBtu)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2014 YTD	July 2013 YTD	Percentage Change	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	8.07	6.46	25.0%	6.29	7.57	8.09	6.46
Connecticut	8.07	6.54	23.0%	--	--	8.07	6.54
Maine	W	W	W	--	--	W	W
Massachusetts	8.12	6.37	27.0%	6.48	6.80	8.14	6.37
New Hampshire	W	W	W	5.69	10.05	W	W
Rhode Island	7.98	W	W	--	--	7.98	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	6.45	4.78	35.0%	6.56	5.31	6.43	4.70
New Jersey	5.89	4.52	30.0%	--	--	5.89	4.52
New York	6.57	5.39	22.0%	6.56	5.31	6.57	5.43
Pennsylvania	6.61	4.16	59.0%	--	--	6.61	4.16
East North Central	6.02	4.17	44.0%	5.79	4.17	6.19	4.17
Illinois	W	W	W	6.36	4.80	W	W
Indiana	W	W	W	5.80	4.02	W	W
Michigan	7.92	4.51	76.0%	8.18	4.49	7.82	4.52
Ohio	4.75	3.90	22.0%	4.62	3.90	4.82	3.90
Wisconsin	5.93	4.37	36.0%	6.18	4.50	5.69	4.24
West North Central	6.44	4.50	43.0%	6.54	4.51	5.83	4.42
Iowa	8.90	4.50	98.0%	8.90	4.50	--	--
Kansas	5.95	4.39	36.0%	5.95	4.39	--	--
Minnesota	W	W	W	6.45	4.62	W	W
Missouri	W	W	W	5.98	4.42	W	W
Nebraska	6.25	4.96	26.0%	6.25	4.96	--	--
North Dakota	4.49	--	--	4.49	--	--	--
South Dakota	5.90	3.98	48.0%	5.90	3.98	--	--
South Atlantic	5.84	4.83	21.0%	5.85	4.90	5.83	4.39
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	5.68	W	W	5.70	5.11	4.40	W
Georgia	5.35	4.39	22.0%	5.36	4.37	5.32	4.48
Maryland	6.25	W	W	--	--	6.25	W
North Carolina	W	W	W	6.58	4.85	W	W
South Carolina	W	W	W	5.20	4.55	W	W
Virginia	7.08	4.26	66.0%	7.71	4.44	6.14	3.97
West Virginia	W	4.27	W	6.27	3.85	W	4.36
East South Central	5.05	4.04	25.0%	5.04	4.00	5.09	4.11
Alabama	5.03	4.11	22.0%	4.92	4.05	5.10	4.14
Kentucky	W	W	W	5.96	5.44	W	W
Mississippi	W	W	W	4.94	3.91	W	W
Tennessee	4.96	3.81	30.0%	4.96	3.81	--	--
West South Central	4.97	3.93	26.0%	5.15	4.04	4.86	3.87
Arkansas	W	4.10	W	7.39	4.95	W	3.85
Louisiana	4.95	3.93	26.0%	5.03	3.98	4.77	3.81
Oklahoma	W	4.00	W	5.45	4.02	W	3.93
Texas	4.88	3.90	25.0%	4.99	4.01	4.84	3.87
Mountain	5.47	4.43	23.0%	5.56	4.52	5.17	4.18
Arizona	5.61	4.58	22.0%	6.05	5.01	4.85	4.10
Colorado	5.61	4.77	18.0%	5.73	4.82	5.42	4.71
Idaho	W	W	W	5.91	4.43	W	W
Montana	--	--	--	--	--	--	--
Nevada	W	W	W	5.52	4.37	W	W
New Mexico	5.15	4.23	22.0%	5.15	4.23	--	--
Utah	W	3.99	W	4.99	3.99	W	--
Wyoming	7.10	7.04	0.9%	7.10	7.04	--	--
Pacific Contiguous	5.41	4.29	26.0%	5.59	4.60	5.25	4.04
California	5.47	4.37	25.0%	5.75	4.75	5.25	4.10
Oregon	W	W	W	4.73	3.75	W	W
Washington	W	W	W	5.45	4.58	W	W
Pacific Noncontiguous	5.03	4.61	9.1%	5.03	4.61	--	--
Alaska	5.03	4.61	9.1%	5.03	4.61	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	5.67	4.47	27.0%	5.60	4.55	5.74	4.39

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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, July 2014

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	120	1.24	10.4	85	0.09	2.0	0	--	--
Connecticut	0	--	--	12	0.09	2.0	0	--	--
Maine	4	0.83	8.8	0	--	--	0	--	--
Massachusetts	93	0.74	11.1	0	--	--	0	--	--
New Hampshire	23	3.07	8.0	0	--	--	0	--	--
Rhode Island	0	--	--	73	0.09	2.0	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,523	3.07	11.1	87	0.24	5.1	0	--	--
New Jersey	93	1.78	9.3	0	--	--	0	--	--
New York	85	2.59	9.1	87	0.24	5.1	0	--	--
Pennsylvania	2,345	3.14	11.3	0	--	--	0	--	--
East North Central	7,302	2.89	9.8	9,037	0.25	4.9	0	--	--
Illinois	615	3.51	16.9	4,291	0.21	4.8	0	--	--
Indiana	2,978	2.81	9.2	292	0.25	4.8	0	--	--
Michigan	442	1.42	9.1	2,799	0.30	5.1	0	--	--
Ohio	2,981	3.14	9.5	139	0.28	5.2	0	--	--
Wisconsin	286	2.28	8.1	1,515	0.27	4.9	0	--	--
West North Central	200	3.34	8.4	9,101	0.29	5.3	1,967	0.87	9.8
Iowa	33	3.50	8.0	1,509	0.28	5.0	0	--	--
Kansas	39	3.10	12.2	1,527	0.32	5.1	0	--	--
Minnesota	0	--	--	1,246	0.40	6.5	0	--	--
Missouri	129	3.38	7.3	3,290	0.23	4.9	0	--	--
Nebraska	0	--	--	1,379	0.28	5.3	0	--	--
North Dakota	0	--	--	0	--	--	1,967	0.87	9.8
South Dakota	0	--	--	152	0.46	7.6	0	--	--
South Atlantic	9,315	2.02	10.4	1,052	0.32	4.8	0	--	--
Delaware	46	2.19	8.0	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,789	1.95	9.2	0	--	--	0	--	--
Georgia	823	1.76	9.1	1,036	0.33	4.8	0	--	--
Maryland	604	2.05	10.0	16	0.17	4.5	0	--	--
North Carolina	1,547	1.64	9.8	0	--	--	0	--	--
South Carolina	995	1.37	8.8	0	--	--	0	--	--
Virginia	877	1.06	14.9	0	--	--	0	--	--
West Virginia	2,634	2.90	11.4	0	--	--	0	--	--
East South Central	5,450	2.33	9.8	2,228	0.29	5.5	337	0.57	14.2
Alabama	1,372	1.70	10.1	1,010	0.25	5.1	0	--	--
Kentucky	2,789	2.85	9.8	271	0.45	8.4	0	--	--
Mississippi	276	1.91	9.6	108	0.25	4.9	337	0.57	14.2
Tennessee	1,012	1.91	9.3	838	0.30	5.3	0	--	--
West South Central	56	1.47	22.5	8,671	0.28	5.1	4,558	0.97	16.4
Arkansas	11	0.72	8.0	1,585	0.26	5.1	0	--	--
Louisiana	0	--	--	903	0.29	4.9	316	0.79	13.6
Oklahoma	45	1.68	26.7	1,445	0.24	4.9	0	--	--
Texas	0	--	--	4,738	0.30	5.2	4,242	0.98	16.6
Mountain	3,145	0.58	12.9	6,193	0.53	9.8	0	--	--
Arizona	701	0.60	10.4	1,297	0.62	10.3	0	--	--
Colorado	327	0.52	11.4	999	0.34	5.9	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	796	0.68	10.1	0	--	--
Nevada	233	0.39	10.1	172	0.39	6.9	0	--	--
New Mexico	602	0.75	22.7	610	0.70	22.8	0	--	--
Utah	1,282	0.56	11.2	25	1.00	9.5	0	--	--
Wyoming	0	--	--	2,294	0.47	8.1	0	--	--
Pacific Contiguous	99	0.73	10.4	443	0.32	6.7	0	--	--
California	99	0.73	10.4	0	--	--	0	--	--
Oregon	0	--	--	209	0.23	4.4	0	--	--
Washington	0	--	--	234	0.41	8.8	0	--	--
Pacific Noncontiguous	61	1.30	4.2	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	61	1.30	4.2	0	--	--	0	--	--
U.S. Total	28,271	2.25	10.5	36,897	0.32	5.9	6,861	0.92	14.4

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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 See Glossary for definitions. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilities by State, July 2014

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	23	3.07	8.0	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	23	3.07	8.0	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	6,077	2.85	9.3	4,832	0.29	5.0	0	--	--
Illinois	162	3.48	10.2	246	0.23	4.8	0	--	--
Indiana	2,758	2.77	9.2	292	0.25	4.8	0	--	--
Michigan	395	1.37	9.2	2,799	0.30	5.1	0	--	--
Ohio	2,544	3.17	9.5	0	--	--	0	--	--
Wisconsin	218	2.41	7.9	1,494	0.27	4.9	0	--	--
West North Central	164	3.32	8.4	9,036	0.29	5.3	1,967	0.87	9.8
Iowa	0	--	--	1,443	0.28	5.0	0	--	--
Kansas	39	3.10	12.2	1,527	0.32	5.1	0	--	--
Minnesota	0	--	--	1,246	0.40	6.5	0	--	--
Missouri	126	3.39	7.3	3,290	0.23	4.9	0	--	--
Nebraska	0	--	--	1,379	0.28	5.3	0	--	--
North Dakota	0	--	--	0	--	--	1,967	0.87	9.8
South Dakota	0	--	--	152	0.46	7.6	0	--	--
South Atlantic	7,426	1.85	10.4	1,036	0.33	4.8	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,670	2.02	9.0	0	--	--	0	--	--
Georgia	791	1.79	9.2	1,036	0.33	4.8	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,547	1.64	9.8	0	--	--	0	--	--
South Carolina	986	1.38	8.8	0	--	--	0	--	--
Virginia	792	1.05	15.7	0	--	--	0	--	--
West Virginia	1,640	2.54	11.5	0	--	--	0	--	--
East South Central	5,287	2.37	9.8	2,228	0.29	5.5	0	--	--
Alabama	1,372	1.70	10.1	1,010	0.25	5.1	0	--	--
Kentucky	2,789	2.85	9.8	271	0.45	8.4	0	--	--
Mississippi	239	1.89	9.5	108	0.25	4.9	0	--	--
Tennessee	887	2.07	9.4	838	0.30	5.3	0	--	--
West South Central	0	--	--	5,539	0.26	5.1	948	1.04	17.7
Arkansas	0	--	--	1,488	0.25	5.1	0	--	--
Louisiana	0	--	--	300	0.28	5.3	316	0.79	13.6
Oklahoma	0	--	--	1,374	0.25	4.9	0	--	--
Texas	0	--	--	2,377	0.27	5.2	632	1.19	20.1
Mountain	3,094	0.59	12.9	5,307	0.51	9.9	0	--	--
Arizona	701	0.60	10.4	1,297	0.62	10.3	0	--	--
Colorado	327	0.52	11.4	999	0.34	5.9	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	233	0.39	10.1	82	0.49	8.7	0	--	--
New Mexico	602	0.75	22.7	610	0.70	22.8	0	--	--
Utah	1,231	0.57	11.3	25	1.00	9.5	0	--	--
Wyoming	0	--	--	2,294	0.47	8.1	0	--	--
Pacific Contiguous	0	--	--	209	0.23	4.4	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	209	0.23	4.4	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	22,072	2.10	10.3	28,186	0.33	6.1	2,914	0.92	12.3

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, July 2014

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	96	0.74	11.0	85	0.09	2.0	0	--	--
Connecticut	0	--	--	12	0.09	2.0	0	--	--
Maine	3	0.83	8.8	0	--	--	0	--	--
Massachusetts	93	0.74	11.1	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	73	0.09	2.0	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,501	3.08	11.2	87	0.24	5.1	0	--	--
New Jersey	93	1.78	9.3	0	--	--	0	--	--
New York	77	2.59	9.2	87	0.24	5.1	0	--	--
Pennsylvania	2,331	3.15	11.3	0	--	--	0	--	--
East North Central	1,010	3.14	13.4	4,143	0.21	4.8	0	--	--
Illinois	342	3.54	24.6	4,004	0.21	4.8	0	--	--
Indiana	219	3.34	10.3	0	--	--	0	--	--
Michigan	36	1.85	7.7	0	--	--	0	--	--
Ohio	413	2.92	9.0	139	0.28	5.2	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	0	--	--	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	1,760	2.76	10.4	16	0.17	4.5	0	--	--
Delaware	46	2.19	8.0	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	120	1.01	11.0	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	577	2.05	9.5	16	0.17	4.5	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	53	0.77	9.6	0	--	--	0	--	--
West Virginia	963	3.56	11.1	0	--	--	0	--	--
East South Central	37	1.98	10.1	0	--	--	337	0.57	14.2
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	37	1.98	10.1	0	--	--	337	0.57	14.2
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	45	1.68	26.7	3,132	0.33	5.2	3,610	0.95	16.0
Arkansas	0	--	--	97	0.30	6.2	0	--	--
Louisiana	0	--	--	604	0.30	4.7	0	--	--
Oklahoma	45	1.68	26.7	71	0.22	4.5	0	--	--
Texas	0	--	--	2,361	0.34	5.3	3,610	0.95	16.0
Mountain	0	--	--	887	0.64	9.5	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	796	0.68	10.1	0	--	--
Nevada	0	--	--	90	0.29	5.2	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	33	1.18	10.4	234	0.41	8.8	0	--	--
California	33	1.18	10.4	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	234	0.41	8.8	0	--	--
Pacific Noncontiguous	61	1.30	4.2	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	61	1.30	4.2	0	--	--	0	--	--
U.S. Total	5,543	2.90	11.3	8,583	0.30	5.5	3,947	0.92	15.9

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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Sector by State, July 2014

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	8	2.34	8.8	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	8	2.34	8.8	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	3	3.04	9.0	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	3	3.04	9.0	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	0	--	--	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	0	--	--	0	--	--
Arkansas	0	--	--	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	0	--	--	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	11	2.52	8.9	0	--	--	0	--	--

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Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Sector by State, July 2014

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	1	0.81	8.7	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	1	0.81	8.7	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	22	2.19	9.8	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	8	2.53	7.9	0	--	--	0	--	--
Pennsylvania	14	1.98	11.0	0	--	--	0	--	--
East North Central	207	2.89	8.9	62	0.36	5.4	0	--	--
Illinois	111	3.49	8.0	41	0.41	5.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	2	0.47	6.8	0	--	--	0	--	--
Ohio	25	3.50	14.4	0	--	--	0	--	--
Wisconsin	69	1.85	8.6	21	0.27	5.1	0	--	--
West North Central	33	3.50	8.0	66	0.22	4.4	0	--	--
Iowa	33	3.50	8.0	66	0.22	4.4	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	129	1.29	11.7	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	31	0.91	7.8	0	--	--	0	--	--
Maryland	27	1.95	23.0	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	9	0.70	9.1	0	--	--	0	--	--
Virginia	32	1.63	7.8	0	--	--	0	--	--
West Virginia	30	0.98	12.2	0	--	--	0	--	--
East South Central	125	0.87	8.4	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	125	0.87	8.4	0	--	--	0	--	--
West South Central	11	0.72	8.0	0	--	--	0	--	--
Arkansas	11	0.72	8.0	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	51	0.32	9.9	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	51	0.32	9.9	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	66	0.50	10.4	0	--	--	0	--	--
California	66	0.50	10.4	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	645	1.66	9.6	128	0.29	4.9	0	--	--

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
 NM = Not meaningful due to large relative standard error or excessive percentage change.
 W = Withheld to avoid disclosure of individual company data.

Notes:
 Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.
 See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.
 See Glossary for definitions. Values for 2013 and 2014 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

**Table 5.1. Retail Sales of Electricity to Ultimate Customers:
Total by End-Use Sector, 2004 - July 2014 (Million Kilowatt-hours)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2004	1,291,982	1,230,425	1,017,850	7,224	3,547,479
2005	1,359,227	1,275,079	1,019,156	7,506	3,660,969
2006	1,351,520	1,299,744	1,011,298	7,358	3,669,919
2007	1,392,241	1,336,315	1,027,832	8,173	3,764,561
2008	1,380,662	1,336,133	1,009,516	7,653	3,733,965
2009	1,364,758	1,306,853	917,416	7,768	3,596,795
2010	1,445,708	1,330,199	971,221	7,712	3,754,841
2011	1,422,801	1,328,057	991,316	7,672	3,749,846
2012	1,374,515	1,327,101	985,714	7,320	3,694,650
2013	1,391,090	1,338,448	954,725	7,525	3,691,789
2012					
January	125,881	105,239	79,205	650	310,975
February	107,975	100,080	78,298	629	286,983
March	99,362	102,474	81,298	597	283,731
April	88,103	101,037	81,030	590	270,760
May	100,895	110,800	84,678	595	296,968
June	122,934	118,009	83,619	597	325,160
July	154,579	128,535	87,219	629	370,963
August	147,941	128,106	88,105	633	364,785
Sept	118,831	116,585	82,060	613	318,090
October	96,669	110,471	82,996	599	290,735
November	97,155	101,641	78,847	569	278,212
December	114,188	104,122	78,360	619	297,288
2013					
January	131,354	107,400	78,141	656	317,551
February	112,857	100,722	74,453	649	288,681
March	111,784	103,839	78,097	633	294,352
April	95,297	101,385	77,633	623	274,937
May	94,978	108,883	82,086	619	286,566
June	117,708	117,670	81,411	629	317,418
July	143,438	127,735	83,703	637	355,513
August	137,734	127,369	84,701	634	350,437
Sept	121,114	118,977	80,298	631	321,020
October	98,656	112,171	80,463	589	291,879
November	97,812	103,449	77,536	562	279,359
December	128,357	108,849	76,205	665	314,076
2014					
January	146,435	114,230	77,616	724	339,006
February	130,478	104,662	73,135	723	308,997
March	114,158	106,873	78,081	645	299,756
April	92,188	102,403	77,638	634	272,863
May	95,507	109,713	82,174	655	288,049
June	117,630	118,776	82,282	615	319,302
July	136,239	126,080	84,179	653	347,151
Year to Date					
2012	799,730	766,176	575,347	4,287	2,145,540
2013	807,416	767,633	555,524	4,445	2,135,018
2014	832,634	782,736	555,105	4,649	2,175,124
Rolling 12 Months Ending in July					
2013	1,382,201	1,328,559	965,891	7,478	3,684,128
2014	1,416,308	1,353,551	954,307	7,729	3,731,895

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions. Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data. Values for 2012 and prior years are final. Values for 2014 and 2013 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.

Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report; Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

**Table 5.2. Revenue from Retail Sales of Electricity to Ultimate Customers:
Total by End-Use Sector, 2004 - July 2014 (Million Dollars)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2004	115,577	100,546	53,477	519	270,119
2005	128,393	110,522	58,445	643	298,003
2006	140,582	122,914	62,308	702	326,506
2007	148,295	128,903	65,712	792	343,703
2008	155,496	137,036	70,231	820	363,583
2009	157,044	132,747	62,670	828	353,289
2010	166,778	135,554	65,772	814	368,918
2011	166,714	135,927	67,606	803	371,049
2012	163,280	133,898	65,761	747	363,687
2013	168,546	137,778	65,111	773	372,208
2012					
January	14,360	10,352	5,102	64	29,878
February	12,424	9,944	5,052	60	27,479
March	11,621	10,086	5,250	59	27,015
April	10,504	9,919	5,168	60	25,650
May	12,011	11,039	5,528	59	28,637
June	14,863	12,259	5,765	62	32,949
July	18,553	13,354	6,219	67	38,193
August	18,009	13,313	6,239	67	37,629
Sept	14,614	12,238	5,716	66	32,634
October	11,633	11,131	5,491	61	28,316
November	11,418	10,052	5,122	59	26,651
December	13,271	10,212	5,110	64	28,656
2013					
January	15,068	10,515	5,040	67	30,690
February	13,122	10,141	4,923	66	28,253
March	12,972	10,406	5,149	62	28,589
April	11,368	10,100	5,069	62	26,598
May	11,796	11,171	5,497	63	28,527
June	14,758	12,592	5,806	65	33,221
July	18,094	13,747	6,123	67	38,032
August	17,230	13,659	6,144	66	37,098
Sept	15,125	12,564	5,734	67	33,490
October	12,142	11,553	5,468	61	29,223
November	11,827	10,470	5,111	58	27,466
December	15,045	10,861	5,048	68	31,022
2014					
January	17,060	11,808	5,403	75	34,346
February	15,495	11,196	5,211	74	31,975
March	13,993	11,416	5,457	66	30,933
April	11,349	10,652	5,244	64	27,308
May	12,260	11,535	5,559	65	29,418
June	15,262	12,995	6,003	65	34,324
July	17,784	14,075	6,303	68	38,231
Year to Date					
2012	94,335	76,952	38,084	431	209,802
2013	97,177	78,672	37,606	453	213,909
2014	103,204	83,677	39,179	476	226,536
Rolling 12 Months Ending in July					
2013	166,123	135,619	65,284	769	367,794
2014	174,572	142,783	66,684	796	384,835

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions. Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data. Values for 2012 and prior years are final. Values for 2014 and 2013 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month. Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report; Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

**Table 5.3. Average Retail Price of Electricity to Ultimate Customers:
Total by End-Use Sector, 2004 - July 2014 (Cents per Kilowatthour)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2004	8.95	8.17	5.25	7.18	7.61
2005	9.45	8.67	5.73	8.57	8.14
2006	10.40	9.46	6.16	9.54	8.90
2007	10.65	9.65	6.39	9.70	9.13
2008	11.26	10.26	6.96	10.71	9.74
2009	11.51	10.16	6.83	10.66	9.82
2010	11.54	10.19	6.77	10.56	9.83
2011	11.72	10.24	6.82	10.46	9.90
2012	11.88	10.09	6.67	10.21	9.84
2013	12.12	10.29	6.82	10.28	10.08
2012					
January	11.41	9.84	6.44	9.78	9.61
February	11.51	9.94	6.45	9.61	9.58
March	11.70	9.84	6.46	9.95	9.52
April	11.92	9.82	6.38	10.11	9.47
May	11.90	9.96	6.53	9.97	9.64
June	12.09	10.39	6.89	10.33	10.13
July	12.00	10.39	7.13	10.70	10.30
August	12.17	10.39	7.08	10.53	10.32
Sept	12.30	10.50	6.97	10.74	10.26
October	12.03	10.08	6.62	10.13	9.74
November	11.75	9.89	6.50	10.41	9.58
December	11.62	9.81	6.52	10.28	9.64
2013					
January	11.47	9.79	6.45	10.24	9.66
February	11.63	10.07	6.61	10.23	9.79
March	11.60	10.02	6.59	9.83	9.71
April	11.93	9.96	6.53	9.95	9.67
May	12.42	10.26	6.70	10.16	9.95
June	12.54	10.70	7.13	10.39	10.47
July	12.61	10.76	7.32	10.57	10.70
August	12.51	10.72	7.25	10.38	10.59
Sept	12.49	10.56	7.14	10.60	10.43
October	12.31	10.30	6.80	10.41	10.01
November	12.09	10.12	6.59	10.40	9.83
December	11.72	9.98	6.62	10.17	9.88
2014					
January	11.65	10.34	6.96	10.29	10.13
February	11.88	10.70	7.12	10.19	10.35
March	12.26	10.68	6.99	10.29	10.32
April	12.31	10.40	6.75	10.06	10.01
May	12.84	10.51	6.76	9.89	10.21
June	12.97	10.94	7.30	10.53	10.75
July	13.05	11.16	7.49	10.49	11.01
Year to Date					
2012	11.80	10.04	6.62	10.06	9.78
2013	12.04	10.25	6.77	10.20	10.02
2014	12.39	10.69	7.06	10.25	10.41
Rolling 12 Months Ending in July					
2013	12.02	10.21	6.76	10.29	9.98
2014	12.33	10.55	6.99	10.30	10.31

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions. Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data. Values for 2012 and prior years are final. Values for 2014 and 2013 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.

Sources: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report; Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.4.A. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, July 2014 and 2013 (Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	4,519	5,209	4,921	4,472	1,616	2,489	48	47	11,103	12,218
Connecticut	1,231	1,458	1,218	1,281	289	323	16	15	2,754	3,076
Maine	410	423	383	390	270	253	0	0	1,063	1,066
Massachusetts	1,971	2,284	2,368	1,783	675	1,525	30	30	5,043	5,623
New Hampshire	398	437	406	428	174	174	0	0	978	1,039
Rhode Island	330	410	363	403	86	93	2	2	780	907
Vermont	180	196	184	187	122	122	0	0	485	506
Middle Atlantic	12,650	14,646	14,656	15,266	6,273	6,155	321	334	33,899	36,401
New Jersey	3,390	3,904	3,720	3,860	642	649	26	24	7,778	8,437
New York	4,586	5,541	7,007	7,353	1,508	1,176	232	242	13,333	14,312
Pennsylvania	4,673	5,202	3,929	4,053	4,123	4,329	63	68	12,789	13,652
East North Central	16,429	18,973	16,381	17,103	16,706	16,588	49	52	49,565	52,717
Illinois	4,222	4,917	4,450	4,748	3,826	3,793	45	47	12,542	13,506
Indiana	2,877	3,181	2,191	2,268	3,966	3,883	2	2	9,037	9,334
Michigan	2,921	3,661	3,415	3,513	2,698	2,550	0	1	9,033	9,725
Ohio	4,623	5,103	4,226	4,416	4,119	4,281	3	3	12,971	13,802
Wisconsin	1,785	2,111	2,099	2,158	2,097	2,081	0	0	5,982	6,350
West North Central	9,418	10,245	9,191	9,248	7,876	7,760	4	3	26,488	27,256
Iowa	1,232	1,370	1,069	1,108	1,730	1,655	0	0	4,030	4,132
Kansas	1,497	1,541	1,488	1,485	977	960	0	0	3,962	3,986
Minnesota	1,893	2,138	2,057	2,038	1,910	2,007	2	2	5,851	6,184
Missouri	3,245	3,491	2,843	2,896	1,417	1,381	2	2	7,507	7,769
Nebraska	893	967	856	863	1,101	1,098	0	0	2,850	2,929
North Dakota	315	355	470	446	508	428	0	0	1,293	1,229
South Dakota	353	383	408	412	233	231	0	0	994	1,026
South Atlantic	35,122	34,780	28,777	28,929	12,129	12,475	119	121	76,147	76,306
Delaware	477	511	406	424	195	207	0	0	1,077	1,142
District of Columbia	226	245	833	870	19	23	32	34	1,110	1,171
Florida	12,002	11,540	8,669	8,372	1,481	1,459	9	8	22,160	21,380
Georgia	5,768	5,534	4,372	4,370	2,844	2,782	15	14	13,000	12,700
Maryland	2,541	2,841	2,873	3,022	342	349	46	48	5,802	6,260
North Carolina	5,718	5,606	4,431	4,479	2,239	2,517	1	1	12,388	12,603
South Carolina	3,152	3,047	2,140	2,077	2,482	2,609	0	0	7,774	7,734
Virginia	4,328	4,484	4,361	4,572	1,495	1,578	17	17	10,201	10,651
West Virginia	910	970	693	744	1,032	951	0	0	2,636	2,665
East South Central	11,336	11,543	8,325	8,962	9,092	8,656	0	0	28,752	29,161
Alabama	3,206	3,134	2,142	2,143	3,079	3,004	0	0	8,427	8,281
Kentucky	2,392	2,532	1,723	2,310	2,613	2,505	0	0	6,728	7,347
Mississippi	1,860	1,911	1,310	1,304	1,472	1,482	0	0	4,641	4,697
Tennessee	3,878	3,967	3,149	3,204	1,928	1,666	0	0	8,955	8,837
West South Central	22,371	23,360	18,399	18,687	14,357	13,457	18	7	55,144	55,511
Arkansas	1,713	1,841	1,124	1,154	1,483	1,526	0	NM	4,320	4,521
Louisiana	3,191	3,307	2,313	2,328	2,788	2,607	1	1	8,293	8,243
Oklahoma	2,401	2,572	1,815	1,849	1,482	1,441	0	0	5,697	5,862
Texas	15,065	15,639	13,148	13,356	8,604	7,884	17	6	36,834	36,885
Mountain	11,023	11,218	9,119	8,975	8,085	7,957	12	10	28,239	28,160
Arizona	4,361	4,373	3,066	3,056	1,242	1,118	0	0	8,669	8,546
Colorado	1,833	1,856	1,860	1,814	1,415	1,430	5	5	5,112	5,106
Idaho	741	747	565	554	1,231	1,305	0	0	2,537	2,607
Montana	352	376	424	419	363	375	0	0	1,138	1,171
Nevada	1,782	1,891	906	971	1,279	1,261	1	1	3,968	4,124
New Mexico	710	707	872	866	659	653	0	0	2,241	2,226
Utah	1,053	1,067	1,092	962	918	892	5	4	3,068	2,925
Wyoming	191	201	336	333	979	922	0	0	1,506	1,455
Pacific Contiguous	13,010	13,095	15,813	15,580	7,607	7,731	82	62	36,512	36,468
California	9,120	9,120	11,844	11,609	4,031	4,248	80	60	25,075	25,037
Oregon	1,489	1,499	1,491	1,441	1,143	1,073	2	2	4,125	4,014
Washington	2,401	2,477	2,477	2,530	2,433	2,410	0	0	7,311	7,416
Pacific Noncontiguous	363	368	498	513	439	435	0	0	1,300	1,316
Alaska	144	144	219	224	111	112	0	0	474	480
Hawaii	219	224	279	289	328	323	0	0	826	837
U.S. Total	136,239	143,438	126,080	127,735	84,179	83,703	653	637	347,151	355,513

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

See Technical Notes for a discussion of the sample design for the Form EIA-826.

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.

Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.4.B. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through July 2014 and 2013 (Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	28,464	28,631	31,233	26,180	10,512	15,659	346	341	70,566	70,811
Connecticut	7,761	7,841	7,756	7,590	1,968	1,963	106	113	17,591	17,507
Maine	2,777	2,735	2,311	2,375	1,892	1,764	0	0	6,980	6,874
Massachusetts	12,108	12,202	15,224	10,266	4,179	9,430	224	213	31,734	32,112
New Hampshire	2,720	2,678	2,617	2,610	1,131	1,122	0	0	6,467	6,409
Rhode Island	1,829	1,925	2,144	2,167	539	550	17	16	4,528	4,657
Vermont	1,269	1,249	1,182	1,173	804	831	0	0	3,255	3,253
Middle Atlantic	79,371	79,183	92,025	91,340	42,342	40,059	2,376	2,377	216,113	212,958
New Jersey	16,662	17,064	22,429	22,255	4,314	4,305	188	197	43,593	43,821
New York	29,265	29,544	44,011	43,866	10,057	7,892	1,700	1,671	85,034	82,973
Pennsylvania	33,443	32,574	25,584	25,219	27,971	27,863	488	509	87,486	86,165
East North Central	112,463	110,279	106,943	106,025	112,363	113,122	399	383	332,168	329,810
Illinois	27,358	27,004	29,578	29,441	25,192	25,447	356	340	82,485	82,233
Indiana	20,320	19,441	14,128	14,044	26,907	26,916	12	13	61,368	60,413
Michigan	19,904	20,149	21,976	21,899	18,344	17,534	3	3	60,226	59,586
Ohio	31,944	30,755	27,542	27,177	28,212	29,781	28	27	87,726	87,740
Wisconsin	12,937	12,930	13,718	13,463	13,708	13,445	0	0	40,364	39,838
West North Central	63,536	61,728	59,548	57,773	50,805	50,257	57	24	173,946	169,783
Iowa	8,614	8,488	7,265	7,043	11,702	11,246	0	0	27,581	26,777
Kansas	8,091	7,794	9,013	8,842	6,437	6,072	0	0	23,541	22,708
Minnesota	13,443	13,308	13,496	12,991	12,403	12,732	13	11	39,356	39,043
Missouri	21,338	20,403	18,022	17,787	9,394	9,752	14	13	48,769	47,955
Nebraska	5,985	5,898	5,511	5,320	6,056	6,050	0	0	17,552	17,268
North Dakota	3,165	3,016	3,466	3,123	3,290	2,933	0	0	9,921	9,072
South Dakota	2,901	2,820	2,774	2,668	1,522	1,473	30	0	7,227	6,960
South Atlantic	210,448	198,386	177,732	174,964	81,697	80,813	794	782	470,671	454,945
Delaware	2,868	2,756	2,482	2,444	1,320	1,499	0	0	6,669	6,699
District of Columbia	1,274	1,218	5,045	4,959	138	139	192	192	6,648	6,508
Florida	66,347	63,044	52,909	51,899	9,815	9,741	56	53	129,127	124,736
Georgia	33,674	31,185	26,947	26,404	18,437	18,020	95	92	79,153	75,702
Maryland	16,848	16,229	17,700	17,858	2,211	2,316	327	323	37,087	36,726
North Carolina	35,255	33,013	27,552	26,944	15,491	15,583	5	4	78,303	75,544
South Carolina	18,424	16,909	12,708	12,187	16,867	16,625	0	0	47,999	45,722
Virginia	28,309	26,982	27,745	27,714	10,163	9,847	116	115	66,334	64,658
West Virginia	7,449	7,052	4,645	4,554	7,256	7,043	2	2	19,352	18,651
East South Central	72,989	68,063	51,451	51,593	60,340	65,660	1	1	184,780	185,318
Alabama	19,386	18,075	13,098	12,775	20,213	19,736	0	0	52,697	50,587
Kentucky	16,628	15,724	11,077	11,901	17,701	23,473	0	0	45,406	51,098
Mississippi	11,137	10,397	7,815	7,687	9,746	9,618	0	0	28,697	27,702
Tennessee	25,838	23,868	19,462	19,229	12,680	12,833	1	1	57,980	55,931
West South Central	125,659	118,031	110,447	107,098	95,399	89,672	109	45	331,614	314,845
Arkansas	10,962	10,424	6,783	6,694	9,545	9,471	NM	NM	27,290	26,590
Louisiana	18,137	16,920	13,937	13,594	18,205	17,911	6	6	50,285	48,431
Oklahoma	13,667	13,097	11,356	11,083	9,674	9,401	0	0	34,696	33,582
Texas	82,893	77,590	78,372	75,727	57,976	52,888	102	38	219,343	206,243
Mountain	54,569	56,561	54,045	54,150	49,000	48,205	78	71	157,691	158,987
Arizona	18,413	19,539	17,208	17,266	7,827	7,242	0	0	43,448	44,046
Colorado	10,527	10,705	11,343	11,371	9,064	8,877	37	34	30,971	30,988
Idaho	4,872	5,036	3,547	3,513	5,573	5,799	0	0	13,992	14,348
Montana	2,988	2,885	2,873	2,790	2,369	2,422	0	0	8,231	8,097
Nevada	6,994	7,350	5,305	5,422	7,880	7,893	5	5	20,184	20,669
New Mexico	3,889	3,971	5,129	5,230	4,361	4,239	0	0	13,379	13,440
Utah	5,208	5,385	6,312	6,210	5,874	5,772	36	32	17,430	17,400
Wyoming	1,678	1,690	2,328	2,348	6,051	5,961	0	0	10,057	9,999
Pacific Contiguous	82,485	83,818	95,883	95,027	49,769	49,239	489	420	228,625	228,503
California	49,424	50,674	69,236	68,747	26,683	26,350	472	404	145,815	146,175
Oregon	11,168	11,291	9,343	9,222	6,944	6,857	14	13	27,469	27,384
Washington	21,893	21,853	17,304	17,058	16,141	16,031	3	3	55,342	54,944
Pacific Noncontiguous	2,651	2,736	3,429	3,485	2,879	2,836	0	0	8,959	9,057
Alaska	1,206	1,234	1,616	1,642	787	765	0	0	3,608	3,641
Hawaii	1,445	1,502	1,813	1,843	2,092	2,071	0	0	5,351	5,416
U.S. Total	832,634	807,416	782,736	767,633	555,105	555,524	4,649	4,445	2,175,124	2,135,018

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

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Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

See Technical Notes for a discussion of the sample design for the Form EIA-826.

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.

Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.5.A. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, July 2014 and 2013 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	776	817	707	617	187	314	NM	NM	1,674	1,752
Connecticut	239	252	182	184	38	40	2	2	461	478
Maine	63	60	46	45	22	22	0	0	130	127
Massachusetts	321	345	346	258	85	210	NM	NM	754	815
New Hampshire	69	70	57	57	20	20	0	0	145	147
Rhode Island	52	55	49	47	10	10	0	0	112	111
Vermont	32	34	27	27	13	12	0	0	72	73
Middle Atlantic	2,144	2,434	2,050	2,133	463	464	41	42	4,698	5,074
New Jersey	560	641	505	532	74	77	3	2	1,142	1,253
New York	932	1,111	1,172	1,226	96	74	33	35	2,233	2,445
Pennsylvania	652	682	373	375	293	313	5	5	1,323	1,376
East North Central	2,148	2,352	1,642	1,655	1,174	1,124	3	3	4,967	5,133
Illinois	491	494	390	380	239	219	2	3	1,122	1,096
Indiana	336	351	217	213	27	257	0	0	828	822
Michigan	441	551	378	403	208	212	0	0	1,027	1,166
Ohio	621	656	421	415	281	270	0	0	1,324	1,342
Wisconsin	259	298	237	243	169	166	0	0	665	707
West North Central	1,178	1,258	922	910	578	567	0	0	2,679	2,734
Iowa	156	167	104	103	109	105	0	0	369	376
Kansas	191	186	158	147	76	71	0	0	425	404
Minnesota	246	273	208	207	140	149	0	0	594	629
Missouri	401	436	292	297	104	103	0	0	797	836
Nebraska	109	116	82	81	90	89	0	0	281	286
North Dakota	34	36	42	38	41	32	0	0	117	106
South Dakota	41	43	37	37	17	17	0	0	95	96
South Atlantic	4,248	4,088	2,804	2,743	864	852	10	11	7,925	7,694
Delaware	65	63	42	42	17	18	0	0	124	123
District of Columbia	27	32	97	105	2	1	NM	NM	129	141
Florida	1,436	1,315	851	785	121	115	1	1	2,409	2,215
Georgia	724	681	456	438	208	188	1	1	1,390	1,308
Maryland	350	390	317	329	29	30	4	4	700	753
North Carolina	646	626	399	405	155	172	0	0	1,199	1,204
South Carolina	396	369	219	208	162	162	0	0	777	740
Virginia	519	519	369	372	109	105	1	1	998	998
West Virginia	85	93	54	59	61	60	0	0	200	212
East South Central	1,262	1,238	881	874	629	574	0	0	2,772	2,687
Alabama	381	362	235	228	213	198	0	0	830	788
Kentucky	248	254	163	183	157	149	0	0	568	587
Mississippi	216	208	143	135	109	104	0	0	469	447
Tennessee	417	413	339	329	149	123	0	0	905	866
West South Central	2,557	2,544	1,551	1,537	938	838	1	1	5,046	4,919
Arkansas	174	183	95	94	96	98	0	NM	365	376
Louisiana	322	322	217	211	189	162	0	0	728	695
Oklahoma	252	252	161	155	92	84	0	0	505	491
Texas	1,808	1,787	1,078	1,077	561	494	1	1	3,448	3,358
Mountain	1,369	1,358	936	883	612	575	1	1	2,918	2,817
Arizona	547	547	330	321	93	83	0	0	970	952
Colorado	240	238	199	186	110	106	1	1	549	531
Idaho	79	78	47	44	89	92	0	0	214	214
Montana	38	42	41	41	21	21	0	0	100	104
Nevada	225	219	92	87	126	117	0	0	444	423
New Mexico	97	90	100	92	46	44	0	0	243	226
Utah	122	122	97	82	62	56	1	0	282	260
Wyoming	22	22	30	29	65	57	0	0	117	108
Pacific Contiguous	1,988	1,897	2,447	2,263	739	703	8	5	5,182	4,868
California	1,611	1,524	2,119	1,948	560	535	8	5	4,298	4,011
Oregon	161	153	132	121	72	65	0	0	365	339
Washington	215	220	196	195	107	103	0	0	518	518
Pacific Noncontiguous	114	110	136	131	119	113	0	0	369	354
Alaska	30	28	39	36	19	19	0	0	88	82
Hawaii	84	82	97	96	100	94	0	0	281	272
U.S. Total	17,784	18,094	14,075	13,747	6,303	6,123	68	67	38,231	38,032

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

See Technical Notes for a discussion of the sample design for the Form EIA-826.

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.

Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.5.B. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through July 2014 and 2013 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	5,014	4,524	4,570	3,671	1,265	1,914	30	27	10,880	10,136
Connecticut	1,510	1,361	1,196	1,115	256	249	12	11	2,975	2,736
Maine	418	392	299	278	163	151	0	0	900	821
Massachusetts	2,067	1,835	2,204	1,474	536	1,235	NM	NM	4,822	4,558
New Hampshire	471	440	383	355	138	129	0	0	992	924
Rhode Island	324	284	315	278	70	65	2	2	711	628
Vermont	223	213	173	171	83	84	0	0	480	468
Middle Atlantic	13,090	12,352	12,715	11,848	3,371	2,929	292	291	29,468	27,419
New Jersey	2,638	2,681	3,036	2,831	529	458	21	20	6,224	5,991
New York	6,000	5,552	7,170	6,671	673	514	233	230	14,074	12,968
Pennsylvania	4,452	4,119	2,510	2,345	2,169	1,957	39	40	9,170	8,461
East North Central	13,813	13,227	10,525	10,099	7,787	7,419	23	22	32,148	30,767
Illinois	3,020	2,805	2,575	2,330	1,604	1,452	19	19	7,217	6,606
Indiana	2,253	2,089	1,377	1,327	1,836	1,763	1	1	5,468	5,180
Michigan	2,880	2,921	2,401	2,429	1,425	1,384	0	0	6,707	6,735
Ohio	3,874	3,647	2,679	2,557	1,871	1,807	2	2	8,426	8,013
Wisconsin	1,786	1,764	1,493	1,456	1,051	1,013	0	0	4,330	4,232
West North Central	7,007	6,707	5,447	5,174	3,420	3,311	5	2	15,880	15,193
Iowa	967	930	632	589	671	631	0	0	2,271	2,150
Kansas	973	901	900	848	478	431	0	0	2,350	2,180
Minnesota	1,621	1,576	1,307	1,235	885	895	1	1	3,815	3,706
Missouri	2,249	2,154	1,593	1,569	581	600	1	1	4,424	4,325
Nebraska	610	594	479	456	448	442	0	0	1,536	1,492
North Dakota	289	267	295	254	250	210	0	0	834	731
South Dakota	299	284	242	223	108	102	3	0	651	608
South Atlantic	24,595	22,352	17,331	16,354	5,550	5,206	70	68	47,546	43,980
Delaware	374	358	270	250	119	128	0	0	763	736
District of Columbia	164	151	628	590	12	8	19	19	822	768
Florida	7,893	7,119	5,259	4,928	791	749	5	5	13,948	12,801
Georgia	3,916	3,496	2,807	2,599	1,215	1,095	8	7	7,946	7,197
Maryland	2,299	2,108	2,025	1,877	211	194	28	28	4,563	4,207
North Carolina	3,910	3,543	2,434	2,327	1,005	972	0	0	7,350	6,842
South Carolina	2,255	1,990	1,294	1,192	1,067	966	0	0	4,617	4,148
Virginia	3,090	2,911	2,243	2,215	698	652	10	9	6,040	5,787
West Virginia	693	675	372	376	433	442	0	0	1,497	1,493
East South Central	7,843	7,086	5,363	5,081	3,809	3,870	0	0	17,015	16,036
Alabama	2,231	2,035	1,424	1,346	1,180	1,180	0	0	4,919	4,561
Kentucky	1,670	1,524	1,040	1,016	1,032	1,247	0	0	3,742	3,787
Mississippi	1,255	1,120	852	780	663	618	0	0	2,770	2,518
Tennessee	2,686	2,406	2,048	1,939	849	824	0	0	5,583	5,170
West South Central	13,755	12,568	9,108	8,730	5,767	5,217	6	5	28,636	26,519
Arkansas	1,019	981	541	535	561	555	NM	NM	2,120	2,071
Louisiana	1,722	1,582	1,291	1,221	1,127	1,055	1	1	4,141	3,860
Oklahoma	1,347	1,252	906	848	544	499	0	0	2,797	2,599
Texas	9,667	8,752	6,371	6,126	3,535	3,107	5	4	19,578	17,989
Mountain	6,370	6,340	5,210	5,026	3,272	3,063	8	7	14,860	14,437
Arizona	2,213	2,277	1,721	1,702	527	480	0	0	4,461	4,459
Colorado	1,288	1,259	1,158	1,108	673	633	4	4	3,123	3,004
Idaho	466	460	275	255	358	350	0	0	1,099	1,065
Montana	303	296	272	266	130	129	0	0	705	691
Nevada	897	858	505	474	539	489	0	0	1,942	1,821
New Mexico	475	464	527	507	290	267	0	0	1,291	1,238
Utah	557	556	545	516	356	336	4	3	1,461	1,412
Wyoming	173	169	206	200	399	379	0	0	778	747
Pacific Contiguous	10,935	11,241	12,498	11,807	4,171	3,934	42	31	27,646	27,013
California	7,862	8,250	10,300	9,715	3,059	2,878	41	30	21,261	20,873
Oregon	1,160	1,112	823	773	423	396	1	1	2,407	2,282
Washington	1,914	1,879	1,374	1,318	689	661	0	0	3,977	3,858
Pacific Noncontiguous	781	781	909	883	767	744	0	0	2,457	2,408
Alaska	231	224	277	252	124	123	0	0	632	599
Hawaii	550	557	632	631	643	621	0	0	1,824	1,809
U.S. Total	103,204	97,177	83,677	78,672	39,179	37,606	476	453	226,536	213,909

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

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Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.6.A. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, July 2014 and 2013 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	17.17	15.68	14.37	13.80	11.59	12.61	NM	NM	15.08	14.34
Connecticut	19.45	17.31	14.96	14.37	12.97	12.53	10.06	11.03	16.73	15.55
Maine	15.31	14.26	11.91	11.54	7.96	8.50	--	--	12.22	11.90
Massachusetts	16.27	15.12	14.63	14.45	12.63	13.78	NM	NM	14.96	14.50
New Hampshire	17.23	16.11	13.95	13.30	11.52	11.23	--	--	14.86	14.14
Rhode Island	15.85	13.31	13.54	11.55	12.12	10.75	15.08	13.61	14.36	12.27
Vermont	17.93	17.23	14.73	14.39	10.28	10.10	--	--	14.79	14.46
Middle Atlantic	16.95	16.62	13.99	13.98	7.38	7.54	12.74	12.69	13.86	13.94
New Jersey	16.52	16.42	13.58	13.79	11.50	11.92	11.62	9.69	14.69	14.85
New York	20.31	20.04	16.73	16.67	6.36	6.26	14.33	14.38	16.75	17.08
Pennsylvania	13.96	13.12	9.49	9.26	7.10	7.23	7.39	7.74	10.35	10.08
East North Central	13.08	12.39	10.02	9.67	7.03	6.78	5.29	6.10	10.02	9.74
Illinois	11.62	10.04	8.77	8.01	6.25	5.78	4.98	5.89	8.95	8.12
Indiana	11.67	11.05	9.88	9.40	6.95	6.62	9.82	9.30	9.17	8.81
Michigan	15.11	15.06	11.06	11.46	7.73	8.30	--	9.29	11.37	11.99
Ohio	13.44	12.87	9.96	9.41	6.83	6.31	7.80	6.88	10.21	9.72
Wisconsin	14.53	14.13	11.27	11.25	8.07	7.96	--	--	11.12	11.13
West North Central	12.51	12.27	10.03	9.84	7.34	7.30	10.62	11.00	10.11	10.03
Iowa	12.70	12.21	9.71	9.34	6.29	6.36	--	--	9.16	9.10
Kansas	12.74	12.08	10.59	9.87	7.81	7.41	--	--	10.72	10.13
Minnesota	13.06	12.78	10.10	10.15	7.32	7.43	10.11	10.58	10.15	10.18
Missouri	12.34	12.48	10.26	10.26	7.37	7.49	11.30	11.42	10.62	10.77
Nebraska	12.25	12.00	9.57	9.39	8.19	8.13	--	--	9.88	9.78
North Dakota	10.96	10.27	8.90	8.49	8.10	7.36	--	--	9.08	8.61
South Dakota	11.58	11.19	9.10	8.91	7.36	7.27	--	--	9.57	9.39
South Atlantic	12.09	11.75	9.74	9.48	7.12	6.83	8.66	8.69	10.41	10.08
Delaware	13.63	12.28	10.35	9.96	8.56	8.90	--	--	11.48	10.80
District of Columbia	12.17	12.89	11.63	12.03	8.41	5.96	NM	NM	11.61	12.01
Florida	11.96	11.39	9.81	9.38	8.21	7.85	8.77	8.90	10.87	10.36
Georgia	12.55	12.31	10.44	10.02	7.32	6.75	9.17	9.35	10.69	10.30
Maryland	13.77	13.71	11.05	10.88	8.42	8.64	8.24	8.31	12.06	12.02
North Carolina	11.29	11.17	9.00	9.05	6.92	6.85	7.70	7.85	9.68	9.56
South Carolina	12.55	12.12	10.23	10.02	6.53	6.22	--	--	9.99	9.56
Virginia	11.98	11.58	8.47	8.14	7.28	6.65	8.22	7.79	9.79	9.37
West Virginia	9.38	9.60	7.72	7.87	5.91	6.31	6.70	7.55	7.58	7.94
East South Central	11.14	10.73	10.58	9.76	6.92	6.64	9.15	11.45	9.64	9.21
Alabama	11.88	11.56	10.98	10.62	6.93	6.59	--	--	9.84	9.51
Kentucky	10.35	10.04	9.47	7.93	6.02	5.97	--	--	8.44	7.99
Mississippi	11.63	10.88	10.95	10.34	7.43	6.99	--	--	10.11	9.51
Tennessee	10.76	10.42	10.76	10.26	7.74	7.41	9.15	11.45	10.11	9.80
West South Central	11.43	10.89	8.43	8.23	6.53	6.23	5.12	10.41	9.15	8.86
Arkansas	10.17	9.94	8.42	8.18	6.48	6.43	10.25	NM	8.45	8.31
Louisiana	10.10	9.74	9.38	9.05	6.78	6.21	9.92	9.93	8.78	8.43
Oklahoma	10.50	9.80	8.87	8.37	6.20	5.85	--	--	8.86	8.38
Texas	12.00	11.42	8.20	8.07	6.52	6.26	4.83	10.49	9.36	9.10
Mountain	12.42	12.10	10.26	9.84	7.57	7.23	10.69	10.86	10.33	10.00
Arizona	12.53	12.51	10.76	10.52	7.48	7.43	--	--	11.18	11.14
Colorado	13.09	12.81	10.71	10.28	7.75	7.43	10.73	10.80	10.74	10.40
Idaho	10.63	10.50	8.26	7.99	7.19	7.01	--	--	8.43	8.22
Montana	10.82	11.03	9.62	9.71	5.75	5.69	--	--	8.76	8.85
Nevada	12.65	11.60	10.14	9.00	9.88	9.25	10.81	9.66	11.18	10.27
New Mexico	13.63	12.76	11.47	10.64	7.04	6.68	--	--	10.85	10.15
Utah	11.61	11.39	8.89	8.53	6.73	6.24	10.64	11.16	9.18	8.88
Wyoming	11.27	10.86	9.01	8.59	6.67	6.21	--	--	7.77	7.40
Pacific Contiguous	15.28	14.48	15.47	14.53	9.72	9.09	9.86	8.27	14.19	13.35
California	17.67	16.71	17.89	16.78	13.89	12.59	9.89	8.24	17.14	16.02
Oregon	10.83	10.22	8.82	8.37	6.33	6.03	9.24	9.03	8.85	8.44
Washington	8.96	8.87	7.93	7.72	4.40	4.27	7.81	8.31	7.09	6.98
Pacific Noncontiguous	31.35	29.84	27.38	25.57	27.12	25.88	--	--	28.40	26.87
Alaska	20.59	19.28	17.96	15.88	16.97	16.56	--	--	18.52	17.06
Hawaii	38.42	36.61	34.79	33.06	30.57	29.12	--	--	34.07	32.49
U.S. Total	13.05	12.61	11.16	10.76	7.49	7.32	10.49	10.57	11.01	10.70

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

See Technical Notes for a discussion of the sample design for the Form EIA-826.

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.

Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.6.B. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through July 2014 and 2013 (Cents per Kilowatt-hour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD	July 2014 YTD	July 2013 YTD
New England	17.62	15.80	14.63	14.02	12.03	12.22	8.61	7.87	15.42	14.31
Connecticut	19.46	17.35	15.42	14.69	13.03	12.69	11.67	9.94	16.91	15.63
Maine	15.07	14.33	12.93	11.71	9.65	8.57	--	--	12.89	11.95
Massachusetts	17.07	15.04	14.48	14.36	12.82	13.10	NM	NM	15.20	14.20
New Hampshire	17.33	16.44	14.62	13.58	12.17	11.52	--	--	15.33	14.41
Rhode Island	17.72	14.74	14.70	12.82	12.93	11.81	13.96	12.93	15.71	13.49
Vermont	17.60	17.05	14.67	14.57	10.29	10.16	--	--	14.73	14.39
Middle Atlantic	16.49	15.60	13.82	12.97	7.96	7.31	12.27	12.22	13.64	12.88
New Jersey	15.83	15.71	13.53	12.72	12.27	10.63	10.93	10.34	14.28	13.67
New York	20.50	18.79	16.29	15.21	6.69	6.51	13.67	13.80	16.55	15.63
Pennsylvania	13.31	12.65	9.81	9.30	7.75	7.02	7.90	7.79	10.48	9.82
East North Central	12.28	11.99	9.84	9.53	6.93	6.56	5.78	5.83	9.68	9.33
Illinois	11.04	10.39	8.70	7.91	6.37	5.70	5.44	5.59	8.75	8.03
Indiana	11.09	10.75	9.75	9.45	6.82	6.55	9.97	9.85	8.91	8.57
Michigan	14.47	14.50	10.93	11.09	7.77	7.90	13.50	9.36	11.14	11.30
Ohio	12.13	11.86	9.73	9.41	6.63	6.07	7.53	6.49	9.61	9.13
Wisconsin	13.80	13.64	10.89	10.81	7.66	7.53	--	--	10.73	10.62
West North Central	11.03	10.86	9.15	8.96	6.73	6.59	9.38	8.54	9.13	8.95
Iowa	11.23	10.96	8.71	8.37	5.73	5.61	--	--	8.23	8.03
Kansas	12.02	11.56	9.98	9.59	7.42	7.10	--	--	9.98	9.60
Minnesota	12.06	11.84	9.69	9.50	7.14	7.03	9.91	9.76	9.69	9.49
Missouri	10.54	10.56	8.84	8.82	6.18	6.16	7.19	7.53	9.07	9.02
Nebraska	10.18	10.07	8.69	8.57	7.40	7.31	--	--	8.75	8.64
North Dakota	9.13	8.85	8.50	8.15	7.60	7.16	--	--	8.40	8.06
South Dakota	10.30	10.07	8.71	8.35	7.06	6.90	10.17	--	9.01	8.74
South Atlantic	11.69	11.27	9.75	9.35	6.79	6.44	8.84	8.70	10.10	9.67
Delaware	13.05	12.98	10.89	10.25	8.98	8.54	--	--	11.44	10.99
District of Columbia	12.88	12.39	12.44	11.89	8.45	6.09	9.72	9.65	12.36	11.80
Florida	11.90	11.29	9.94	9.50	8.06	7.69	9.15	8.65	10.80	10.26
Georgia	11.63	11.21	10.42	9.84	6.59	6.07	8.50	8.05	10.04	9.51
Maryland	13.65	12.99	11.44	10.51	9.54	8.38	8.63	8.55	12.30	11.46
North Carolina	11.09	10.73	8.83	8.63	6.49	6.24	7.95	7.89	9.39	9.06
South Carolina	12.24	11.77	10.19	9.78	6.33	5.81	--	--	9.62	9.07
Virginia	10.91	10.79	8.08	7.99	6.87	6.62	8.16	8.09	9.11	8.95
West Virginia	9.30	9.58	8.00	8.25	5.97	6.27	9.41	8.98	7.74	8.00
East South Central	10.75	10.41	10.42	9.85	6.31	5.89	13.19	11.64	9.21	8.65
Alabama	11.51	11.26	10.87	10.54	6.25	5.98	--	--	9.34	9.02
Kentucky	10.04	9.69	9.39	8.53	5.83	5.31	--	--	8.24	7.41
Mississippi	11.27	10.78	10.90	10.14	6.80	6.42	--	--	9.65	9.09
Tennessee	10.40	10.08	10.52	10.09	6.70	6.42	13.19	11.64	9.63	9.24
West South Central	10.95	10.65	8.25	8.15	6.04	5.82	5.34	10.38	8.64	8.42
Arkansas	9.29	9.41	7.97	8.00	5.88	5.86	NM	NM	7.77	7.79
Louisiana	9.49	9.35	9.26	8.98	6.19	5.89	9.57	9.60	8.23	7.97
Oklahoma	9.86	9.56	7.98	7.65	5.62	5.31	--	--	8.06	7.74
Texas	11.66	11.28	8.13	8.09	6.10	5.87	5.05	10.51	8.93	8.72
Mountain	11.67	11.21	9.64	9.28	6.68	6.35	10.41	10.28	9.42	9.08
Arizona	12.02	11.66	10.00	9.86	6.74	6.63	--	--	10.27	10.12
Colorado	12.23	11.76	10.21	9.74	7.43	7.13	10.85	10.58	10.08	9.69
Idaho	9.56	9.14	7.74	7.25	6.43	6.04	--	--	7.85	7.42
Montana	10.13	10.27	9.48	9.52	5.48	5.31	--	--	8.56	8.53
Nevada	12.82	11.67	9.53	8.74	6.84	6.19	9.00	7.96	9.62	8.81
New Mexico	12.20	11.68	10.27	9.69	6.64	6.30	--	--	9.65	9.21
Utah	10.69	10.33	8.63	8.31	6.07	5.82	10.14	10.30	8.38	8.11
Wyoming	10.31	10.00	8.86	8.51	6.59	6.35	--	--	7.73	7.47
Pacific Contiguous	13.26	13.41	13.03	12.42	8.38	7.99	8.66	7.46	12.09	11.82
California	15.91	16.28	14.88	14.13	11.46	10.92	8.64	7.41	14.58	14.28
Oregon	10.38	9.85	8.81	8.38	6.10	5.78	9.17	8.84	8.76	8.33
Washington	8.74	8.60	7.94	7.73	4.27	4.12	8.40	8.29	7.19	7.02
Pacific Noncontiguous	29.46	28.54	26.51	25.34	26.64	26.23	--	--	27.42	26.59
Alaska	19.19	18.12	17.12	15.35	15.79	16.12	--	--	17.53	16.45
Hawaii	38.03	37.10	34.87	34.24	30.72	29.97	--	--	34.10	33.40
U.S. Total	12.39	12.04	10.69	10.25	7.06	6.77	10.25	10.20	10.41	10.02

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.

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Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

See Technical Notes for a discussion of the sample design for the Form EIA-826.

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.

Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

Totals may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 6.1. Electric Generating Summer Capacity Changes (MW) for Utility Scale Units, June 2014 to July 2014

Technology	As of End of June 2014	Activity During July 2014 as Reported to EIA			As of End of July 2014	Net Change in Capacity - Current Month and Prior Periods			Changes in and Total Net Summer Capacity - Outlook Based on Reports to EIA								
		Total In-Service Capacity	Actual Capacity Additions	Actual Capacity Reductions		Total In-Service Capacity	Current Month	Year to Date	Past 12 Months	Planned Capacity Additions		Planned Capacity Reductions		Planned Net Change		Planned Total Net Summer	
										Next Month	Next 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	At End of Next Month	At End of Next 12 Months
..... Wind (Summer Capacity)	61,041.7	448.0	167.1	61,322.6	280.9	953.7	1,876.3	288.6	6,734.0	0.0	0.0	288.6	6,734.0	61,611.2	68,056.6		
..... Solar Photovoltaic	6,242.2	198.0	2.0	6,438.2	196.0	1,459.9	3,058.7	329.9	3,763.7	0.0	0.0	329.9	3,763.7	6,768.1	10,201.9		
..... Solar Thermal without Energy Storage	1,117.0	0.0	1.0	1,116.0	-1.0	124.0	640.0	0.0	462.0	0.0	0.0	0.0	462.0	1,116.0	1,598.0		
..... Solar Thermal with Energy Storage	295.4	0.0	0.0	295.4	0.0	45.4	295.4	0.0	116.0	0.0	0.0	0.0	116.0	295.4	411.4		
..... Solar Subtotal	7,254.6	198.0	3.0	7,449.6	195.0	1,625.3	3,994.1	329.9	4,361.7	0.0	0.0	329.9	4,361.7	8,179.5	12,211.3		
..... Conventional Hydroelectric	79,155.8	179.5	97.3	79,238.0	82.2	217.8	379.4	5.4	549.2	103.8	114.2	-98.4	435.0	79,159.6	79,673.0		
..... Wood/Wood Waste Biomass	8,216.3	259.0	144.5	8,329.8	114.5	126.5	725.5	0.0	73.0	0.0	15.5	0.0	67.5	8,329.8	8,387.3		
..... Landfill Gas	2,046.4	49.5	51.7	2,044.2	-2.2	72.4	93.5	27.2	33.5	0.0	9.0	27.2	24.5	2,071.4	2,068.7		
..... Municipal Solid Waste	2,230.7	4.1	10.8	2,224.0	-6.7	-6.7	0.0	0.0	88.0	0.0	0.0	0.0	88.0	2,224.0	2,312.0		
..... Other Waste Biomass	876.0	0.4	43.0	833.4	-42.6	-5.8	111.6	9.9	34.8	0.0	0.0	9.9	34.8	843.3	866.2		
..... Biomass Sources Subtotal	13,368.4	313.0	250.0	13,431.4	63.0	188.4	923.9	37.1	229.3	0.0	24.5	37.1	204.8	13,468.5	13,636.2		
..... Geothermal	2,698.5	16.2	20.0	2,694.7	-3.8	6.1	77.5	0.0	0.0	0.0	0.0	0.0	0.0	2,694.7	2,694.7		
..... Renewable Sources Subtotal	163,919.0	1,154.7	537.4	164,536.3	617.3	2,995.3	7,251.2	661.0	11,874.2	103.8	138.7	587.2	11,735.5	165,093.5	176,271.8		
..... Natural Gas Fired Combined Cycle	226,695.9	1,019.2	2,593.9	225,121.3	-1,574.6	242.6	2,040.7	1,227.0	7,226.8	26.0	33.0	1,201.0	7,193.8	226,322.3	232,315.1		
..... Natural Gas Fired Combustion Turbine	124,523.9	691.0	540.6	124,674.3	150.4	267.4	295.8	96.8	932.2	28.0	1,369.0	68.8	-436.8	124,743.1	124,237.5		
..... Natural Gas with Compressed Air Storage	110.0	0.0	0.0	110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110.0	110.0		
..... Other Natural Gas	77,753.2	1,175.2	920.5	78,007.9	254.7	449.9	6.5	54.0	800.7	1.2	290.0	52.8	502.7	78,060.7	78,510.6		
..... Natural Gas Subtotal	429,083.0	2,885.4	4,054.9	427,915.5	-1,169.5	959.9	2,343.0	1,377.8	8,959.7	55.2	1,700.0	1,322.6	7,259.7	429,236.1	435,173.2		
..... Conventional Steam Coal	303,197.8	1,923.7	3,315.8	301,805.7	-1,392.1	-3,407.6	-7,054.7	0.0	82.1	7.0	11,236.7	-7.0	-11,154.6	301,796.7	290,651.1		
..... Coal Integrated Gasification Combined Cycle	790.6	571.0	570.6	791.0	0.4	0.4	0.4	521.7	521.7	0.0	0.0	521.7	1,312.7	1,312.7			
..... Coal Subtotal	303,988.4	2,494.7	3,886.4	302,596.7	-1,391.7	-3,407.2	-7,054.3	521.7	603.8	7.0	11,236.7	514.7	-10,832.9	303,111.4	291,963.8		
..... Petroleum Coke	2,285.1	18.0	0.0	2,303.1	18.0	-408.2	-408.2	0.0	0.0	0.0	0.0	0.0	0.0	2,303.1	2,303.1		
..... Petroleum Liquids	41,571.6	106.2	315.1	41,362.7	-208.9	-1,576.1	-2,168.5	0.0	2.6	0.0	837.0	0.0	-834.4	41,362.7	40,528.3		
..... Other Gases	1,953.6	35.1	19.3	1,968.4	15.8	27.8	27.8	0.0	0.0	40.0	43.2	-40.0	-43.2	1,929.4	1,926.2		
..... Fossil Fuels Subtotal	778,881.7	5,539.4	8,275.7	776,145.4	-2,736.3	-4,401.8	-7,258.2	1,899.5	9,566.1	102.2	13,816.9	1,797.3	-4,250.8	777,942.7	771,894.6		
..... Hydroelectric Pumped Storage	22,390.3	21.0	0.0	22,411.3	21.0	43.0	43.0	0.0	114.0	0.0	0.0	0.0	114.0	22,411.3	22,525.3		
..... Flywheels	43.0	0.0	0.0	43.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	43.0		
..... Batteries	149.6	0.0	15.0	149.6	-15.0	6.8	7.8	0.0	0.0	0.0	0.0	0.0	0.0	149.6	149.6		
..... Energy Storage Subtotal	22,597.0	21.0	15.0	22,605.9	6.0	49.8	70.8	0.0	114.0	0.0	0.0	0.0	114.0	22,605.9	22,717.9		
..... Nuclear	98,977.0	223.3	11.6	99,188.7	211.7	83.7	191.7	0.0	0.0	604.3	0.0	-604.3	99,188.7	98,584.4			
..... All Other	1,738.5	620.2	301.2	2,057.5	319.0	493.4	493.4	0.0	35.0	0.0	0.0	0.0	35.0	2,057.5	2,092.5		
TOTAL	1,066,114.1	7,558.6	9,140.3	1,064,531.8	-1,582.3	-779.6	748.9	2,560.5	21,589.3	206.0	14,559.3	2,354.5	7,029.4	1,066,886.3	1,071,561.2		

NOTES:

Planned Capacity Additions reflect plans to begin operating new units and plans to upgrade existing units.

Planned Capacity Reductions reflect plans to retire or derate existing units.

Actual Capacity Additions reflect new units, upgrades to existing units, corrections to previously reported capacities, and additions not previously reported.

Actual Capacity Reductions reflect retirements of and derates to existing units, corrections to previously reported capacities, and reductions not previously reported.

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of capacity for some technologies such as solar photovoltaic generation.

Table 6.2.A. Net Summer Capacity of Utility Scale Units by Technology and by State, July 2014 and 2013 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	4,469.1	4,182.7	23,729.3	24,383.4	1,775.4	1,753.4	3.0	3.0	4,630.3	4,630.3	52.9	48.0	34,660.0	35,000.8
Connecticut	330.6	294.7	6,429.0	6,377.8	29.4	29.4	0.0	0.0	2,102.5	2,102.5	30.9	26.0	8,922.4	8,830.4
Maine	1,699.9	1,696.6	2,752.8	2,764.9	0.0	0.0	0.0	0.0	0.0	0.0	22.0	22.0	4,474.7	4,483.5
Massachusetts	907.2	768.4	10,449.2	11,149.4	1,746.0	1,724.0	3.0	3.0	677.3	677.3	0.0	0.0	13,782.7	14,322.1
New Hampshire	929.3	862.5	2,238.7	2,238.7	0.0	0.0	0.0	0.0	1,246.2	1,246.2	0.0	0.0	4,414.2	4,347.4
Rhode Island	67.2	29.8	1,759.8	1,752.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,827.0	1,782.6
Vermont	534.9	530.7	99.8	99.8	0.0	0.0	0.0	0.0	604.3	604.3	0.0	0.0	1,239.0	1,234.8
Middle Atlantic	10,059.7	9,684.2	68,318.3	71,401.8	3,341.0	3,321.0	40.0	28.0	19,236.4	19,055.4	11.2	11.2	101,006.6	103,501.6
New Jersey	574.7	480.5	13,600.6	13,927.4	420.0	400.0	0.0	0.0	4,114.5	4,114.5	11.2	11.2	18,721.0	18,933.6
New York	6,620.5	6,445.3	25,646.3	25,914.2	1,400.0	1,400.0	20.0	28.0	5,415.1	5,263.3	0.0	0.0	39,101.9	39,050.8
Pennsylvania	2,864.5	2,758.4	29,071.4	31,560.2	1,521.0	1,521.0	20.0	0.0	9,706.8	9,677.6	0.0	0.0	43,183.7	45,517.2
East North Central	9,354.0	8,797.7	122,726.4	123,687.9	1,872.0	1,871.0	24.0	0.0	18,861.2	18,809.2	109.6	114.1	152,947.2	153,279.9
Illinois	3,724.7	3,715.1	29,788.6	29,852.3	0.0	0.0	0.0	0.0	11,577.5	11,541.0	0.0	5.0	45,090.8	45,113.4
Indiana	1,728.5	1,663.9	25,642.1	25,635.7	0.0	0.0	0.0	0.0	0.0	0.0	88.0	88.0	27,458.6	27,387.6
Michigan	1,973.4	1,574.3	22,690.0	23,056.2	1,872.0	1,871.0	0.0	0.0	3,936.2	3,936.2	0.0	0.0	30,471.6	30,437.7
Ohio	766.9	755.4	29,536.6	29,922.8	0.0	0.0	24.0	0.0	2,150.0	2,150.0	0.5	0.0	32,478.0	32,828.2
Wisconsin	1,160.5	1,089.0	15,069.1	15,220.9	0.0	0.0	0.0	0.0	1,197.5	1,182.0	21.1	21.1	17,448.2	17,513.0
West North Central	18,467.6	17,734.4	62,129.4	62,183.7	657.0	657.0	1.0	0.0	5,884.0	5,805.0	23.7	23.7	87,162.7	86,403.8
Iowa	5,218.7	5,167.4	10,150.0	10,250.5	0.0	0.0	0.0	0.0	601.4	601.4	0.0	0.0	15,970.1	16,019.3
Kansas	2,990.9	2,733.2	10,167.3	10,185.1	0.0	0.0	0.0	0.0	1,175.0	1,175.0	0.0	0.0	14,333.2	14,093.3
Minnesota	3,510.5	3,390.9	10,401.6	10,444.8	0.0	0.0	1.0	0.0	1,673.0	1,594.0	18.4	18.4	15,604.5	15,448.1
Missouri	1,049.2	1,038.1	19,004.6	19,129.6	657.0	657.0	0.0	0.0	1,190.0	1,190.0	0.0	0.0	21,900.8	22,014.7
Nebraska	1,030.8	741.6	6,333.1	6,286.9	0.0	0.0	0.0	0.0	1,244.6	1,244.6	0.0	0.0	8,608.5	8,273.1
North Dakota	2,279.0	2,274.7	4,374.1	4,208.1	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	6,658.4	6,488.1
South Dakota	2,388.5	2,388.5	1,698.7	1,678.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,087.2	4,067.2
South Atlantic	12,454.8	11,663.4	162,334.7	162,645.5	7,905.2	7,905.2	32.0	32.0	24,494.3	24,603.0	913.0	406.0	208,134.0	207,245.1
Delaware	38.3	34.3	3,207.4	3,322.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,245.7	3,356.5
District of Columbia	0.0	0.0	9.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	10.0
Florida	1,338.8	1,160.0	54,503.3	53,821.8	0.0	0.0	0.0	0.0	3,572.0	3,700.0	763.0	352.0	60,177.1	59,033.8
Georgia	2,846.6	2,753.4	29,462.7	29,863.7	1,862.2	1,862.2	0.0	0.0	4,061.0	4,061.0	0.0	0.0	38,232.5	38,540.3
Maryland	912.3	882.9	9,611.2	9,618.4	0.0	0.0	0.0	0.0	1,716.0	1,716.0	0.0	0.0	12,239.5	12,217.3
North Carolina	2,929.5	2,632.9	21,995.5	22,029.0	86.0	86.0	0.0	0.0	5,056.0	5,056.0	54.0	54.0	30,121.0	29,857.9
South Carolina	1,769.5	1,726.7	11,972.9	12,134.7	2,716.0	2,716.0	0.0	0.0	6,508.0	6,508.0	0.0	0.0	22,966.4	23,085.4
Virginia	1,747.6	1,591.0	16,208.6	16,434.6	3,241.0	3,241.0	0.0	0.0	3,581.3	3,562.0	96.0	0.0	24,874.5	24,828.6
West Virginia	872.2	872.2	15,364.1	15,411.1	0.0	0.0	32.0	32.0	0.0	0.0	0.0	0.0	16,268.3	16,315.3
East South Central	7,878.9	7,941.6	70,177.8	70,955.3	1,616.3	1,616.3	0.0	0.0	9,863.1	9,863.1	151.4	1.4	89,687.5	90,377.7
Alabama	3,892.7	3,948.9	22,875.8	23,333.1	0.0	0.0	0.0	0.0	5,043.4	5,043.4	0.0	0.0	31,811.9	32,325.4
Kentucky	902.2	900.7	20,102.2	20,121.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21,004.4	21,021.8
Mississippi	226.0	236.7	13,749.2	14,050.5	0.0	0.0	0.0	0.0	1,419.0	1,419.0	151.4	1.4	15,545.6	15,707.6
Tennessee	2,858.0	2,855.3	13,450.6	13,450.6	1,616.3	1,616.3	0.0	0.0	3,400.7	3,400.7	0.0	0.0	21,325.6	21,322.9
West South Central	20,320.2	19,693.2	145,762.1	146,373.3	288.0	288.0	36.0	37.0	8,910.4	8,922.0	406.1	435.9	175,722.8	175,749.4
Arkansas	1,650.0	1,666.5	11,286.3	12,402.8	28.0	28.0	0.0	0.0	1,819.0	1,828.0	0.0	0.0	14,783.3	15,925.3
Louisiana	642.9	571.5	23,184.6	22,634.8	0.0	0.0	0.0	0.0	2,131.4	2,134.0	202.3	207.6	26,161.2	25,547.9
Oklahoma	4,078.3	4,070.7	19,081.4	19,160.6	260.0	260.0	0.0	0.0	0.0	0.0	0.0	0.0	23,419.7	23,491.3
Texas	13,949.0	13,384.5	92,209.8	92,175.1	0.0	0.0	36.0	37.0	4,960.0	4,960.0	203.8	228.3	111,358.6	110,784.9
Mountain	20,095.5	19,216.1	64,514.4	65,104.1	778.8	778.8	2.6	1.8	3,937.0	3,937.0	111.4	111.4	89,439.7	89,149.2
Arizona	4,259.2	3,702.7	19,599.1	20,125.9	216.3	216.3	0.0	0.0	3,937.0	3,937.0	0.0	0.0	28,011.6	27,981.9
Colorado	3,128.7	3,062.3	11,228.3	11,324.9	562.5	562.5	0.0	0.0	0.0	0.0	9.3	9.3	14,928.8	14,959.0
Idaho	3,779.4	3,762.9	1,133.1	1,133.1	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	4,927.3	4,910.8
Montana	3,391.2	3,398.0	2,913.7	2,913.7	0.0	0.0	0.0	0.0	0.0	0.0	44.0	44.0	6,348.9	6,355.7
Nevada	2,078.3	1,906.1	8,559.7	8,559.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,638.0	10,465.8
New Mexico	1,078.3	1,028.6	6,878.9	7,432.9	0.0	0.0	2.6	1.8	0.0	0.0	0.0	0.0	7,959.8	8,463.3
Utah	666.0	641.1	7,592.3	6,959.7	0.0	0.0	0.0	0.0	0.0	0.0	31.8	31.8	8,290.1	7,632.6
Wyoming	1,714.4	1,714.4	6,609.3	6,654.2	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.5	8,335.2	8,380.1
Pacific Contiguous	60,401.1	57,367.5	52,495.5	52,654.1	4,177.6	4,177.6	6.0	0.0	3,372.0	3,372.0	251.6	385.8	120,703.8	117,957.0
California	23,927.6	21,082.2	44,006.6	43,907.2	3,863.6	3,863.6	6.0	0.0	2,240.0	2,240.0	235.6	375.8	74,279.4	71,468.8
Oregon	11,964.1	11,949.0	3,595.2	3,597.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,559.3	15,546.2
Washington	24,509.4	24,336.3	4,893.7	5,149.7	314.0	314.0	0.0	0.0	1,132.0	1,132.0	16.0	10.0	30,865.1	30,942.0
Pacific Noncontiguous	1,035.4	1,014.3	3,957.5	4,014.5	0.0	0.0	48.0	63.0	0.0	0.0	26.6	26.6	5,067.5	5,118.4
Alaska	482.0	477.9	1,892.6	1,849.3	0.0	0.0	27.0	27.0	0.0	0.0	0.0	0.0	2,401.6	2,354.2
Hawaii	553.4	536.4	2,064.9	2,165.2	0.0	0.0	21.0	36.0	0.0	0.0	26.6	26.6	2,665.9	2,764.2
U.S. Total	164,536.3	157,285.1	776,145.4	783,403.6	22,411.3	22,368.3	192.6	164.8	99,188.7	98,997.0	2,057.5	1,564.1	1,064,531.8	1,063,782.9

Values are preliminary.

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of capacity for some technologies such as solar photovoltaic generation. Concentrated Solar Power Energy Storage is included in 'Renewable sources'; it is not included in 'Other Energy Storage'.

Table 6.2.B. Net Summer Capacity of Utility Scale Units Using Primarily Renewable Energy Sources and by State, July 2014 and 2013 (Megawatts)

Census Division and State	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
	New England	797.9	785.0	199.3	57.1	0.0	0.0	1,956.9	1,957.9	1,515.0	1,382.7	0.0	0.0	4,469.1
Connecticut	0.0	0.0	5.0	0.0	0.0	0.0	122.2	122.2	203.4	172.5	0.0	0.0	330.6	294.7
Maine	427.6	427.6	0.0	0.0	0.0	0.0	734.4	734.4	537.9	534.6	0.0	0.0	1,699.9	1,696.6
Massachusetts	76.1	64.7	175.2	47.2	0.0	0.0	260.8	261.1	395.1	395.4	0.0	0.0	907.2	768.4
New Hampshire	171.0	171.0	0.0	0.0	0.0	0.0	513.2	513.9	245.1	177.6	0.0	0.0	929.3	862.5
Rhode Island	3.0	1.5	6.9	1.9	0.0	0.0	2.7	2.7	54.6	23.7	0.0	0.0	67.2	29.8
Vermont	120.2	120.2	12.2	8.0	0.0	0.0	323.6	323.6	78.9	78.9	0.0	0.0	534.9	530.7
Middle Atlantic	3,082.2	3,017.7	433.2	320.6	0.0	0.0	5,221.5	5,079.2	1,322.8	1,266.7	0.0	0.0	10,059.7	9,684.2
New Jersey	7.5	7.5	346.1	252.1	0.0	0.0	3.3	3.3	217.8	217.6	0.0	0.0	574.7	480.5
New York	1,730.8	1,636.4	46.2	31.5	0.0	0.0	4,325.5	4,314.4	518.0	463.0	0.0	0.0	6,620.5	6,445.3
Pennsylvania	1,343.9	1,373.8	40.9	37.0	0.0	0.0	892.7	761.5	587.0	586.1	0.0	0.0	2,864.5	2,758.4
East North Central	7,125.2	6,773.4	134.8	62.6	0.0	0.0	884.6	817.2	1,209.4	1,144.5	0.0	0.0	9,354.0	8,797.7
Illinois	3,525.1	3,520.1	33.6	29.0	0.0	0.0	34.1	34.1	131.9	131.9	0.0	0.0	3,724.7	3,715.1
Indiana	1,539.7	1,539.7	67.1	3.5	0.0	0.0	59.5	59.5	62.2	61.2	0.0	0.0	1,728.5	1,663.9
Michigan	1,215.9	874.8	0.0	0.0	0.0	0.0	292.1	237.0	465.4	462.5	0.0	0.0	1,973.4	1,574.3
Ohio	475.1	469.2	34.1	30.1	0.0	0.0	101.7	101.7	156.0	154.4	0.0	0.0	766.9	755.4
Wisconsin	369.4	369.6	0.0	0.0	0.0	0.0	397.2	384.9	393.9	334.5	0.0	0.0	1,160.5	1,089.0
West North Central	14,660.3	14,027.5	9.4	0.0	0.0	0.0	3,293.8	3,282.7	504.1	424.2	0.0	0.0	18,467.6	17,734.4
Iowa	5,052.6	5,005.0	0.0	0.0	0.0	0.0	145.7	147.8	20.4	14.6	0.0	0.0	5,218.7	5,167.4
Kansas	2,968.9	2,718.9	0.0	0.0	0.0	0.0	7.0	7.2	15.0	7.1	0.0	0.0	2,990.9	2,733.2
Minnesota	2,893.7	2,842.3	1.7	0.0	0.0	0.0	184.6	176.1	430.5	372.5	0.0	0.0	3,510.5	3,390.9
Missouri	458.5	458.5	7.7	0.0	0.0	0.0	570.3	570.3	12.7	9.3	0.0	0.0	1,049.2	1,038.1
Nebraska	736.9	455.4	0.0	0.0	0.0	0.0	278.2	275.3	15.7	10.9	0.0	0.0	1,030.8	741.6
North Dakota	1,759.2	1,756.9	0.0	0.0	0.0	0.0	510.0	508.0	9.8	9.8	0.0	0.0	2,279.0	2,274.7
South Dakota	790.5	790.5	0.0	0.0	0.0	0.0	1,598.0	1,598.0	0.0	0.0	0.0	0.0	2,388.5	2,388.5
South Atlantic	705.3	705.3	602.6	298.1	0.0	0.0	7,169.2	7,174.6	3,977.7	3,475.4	0.0	0.0	12,454.8	11,653.4
Delaware	2.0	2.0	28.3	24.3	0.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	38.3	34.3
District of Columbia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Florida	0.0	0.0	66.4	66.4	0.0	0.0	54.5	54.5	1,217.9	1,039.1	0.0	0.0	1,338.8	1,160.0
Georgia	0.0	0.0	61.1	3.2	0.0	0.0	2,037.9	2,047.9	747.6	702.3	0.0	0.0	2,846.6	2,753.4
Maryland	120.0	120.0	55.2	29.6	0.0	0.0	590.0	590.0	147.1	143.3	0.0	0.0	912.3	882.9
North Carolina	0.0	0.0	389.1	174.6	0.0	0.0	1,993.7	1,991.7	546.7	466.6	0.0	0.0	2,929.5	2,632.9
South Carolina	0.0	0.0	2.5	0.0	0.0	0.0	1,340.3	1,337.6	426.7	389.1	0.0	0.0	1,769.5	1,726.7
Virginia	0.0	0.0	0.0	0.0	0.0	0.0	866.1	866.2	881.5	724.8	0.0	0.0	1,747.6	1,591.0
West Virginia	583.3	583.3	0.0	0.0	0.0	0.0	286.7	286.7	2.2	2.2	0.0	0.0	872.2	872.2
East South Central	29.1	29.1	13.6	12.8	0.0	0.0	6,721.4	6,719.9	1,114.8	1,179.8	0.0	0.0	7,878.9	7,941.6
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	3,272.2	3,272.2	620.5	676.7	0.0	0.0	3,892.7	3,948.9
Kentucky	0.0	0.0	0.0	0.0	0.0	0.0	833.1	831.6	69.1	69.1	0.0	0.0	902.2	900.7
Mississippi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	226.0	236.7	0.0	0.0	226.0	236.7
Tennessee	29.1	29.1	13.6	12.8	0.0	0.0	2,616.1	2,616.1	199.2	197.3	0.0	0.0	2,858.0	2,855.3
West South Central	15,845.3	15,311.8	120.3	75.2	0.0	0.0	3,056.2	3,083.2	1,298.4	1,223.0	0.0	0.0	20,320.2	19,693.2
Arkansas	0.0	0.0	0.0	0.0	0.0	0.0	1,324.2	1,340.7	325.8	325.8	0.0	0.0	1,650.0	1,666.5
Louisiana	0.0	0.0	0.0	0.0	0.0	0.0	192.0	192.0	450.9	379.5	0.0	0.0	642.9	571.5
Oklahoma	3,132.9	3,132.9	0.0	0.0	0.0	0.0	869.2	861.2	76.2	76.6	0.0	0.0	4,078.3	4,070.7
Texas	12,712.4	12,178.9	120.3	75.2	0.0	0.0	670.8	689.3	445.5	441.1	0.0	0.0	13,949.0	13,384.5
Mountain	6,814.0	6,758.1	1,670.3	1,245.0	363.9	69.5	10,559.5	10,551.4	189.1	159.9	498.7	432.2	20,095.5	19,216.1
Arizona	237.3	237.3	967.6	705.5	295.4	1.0	2,720.4	2,720.4	38.5	38.5	0.0	0.0	4,259.2	3,702.7
Colorado	2,302.9	2,271.1	120.2	117.6	0.0	0.0	678.2	660.6	27.4	13.0	0.0	0.0	3,128.7	3,062.3
Idaho	962.7	962.7	0.0	0.0	0.0	0.0	2,708.1	2,703.4	98.6	86.8	10.0	10.0	3,779.4	3,762.9
Montana	632.1	627.8	0.0	0.0	0.0	0.0	2,756.1	2,770.2	3.0	0.0	0.0	0.0	3,391.2	3,398.0
Nevada	150.0	150.0	391.1	258.8	68.5	68.5	1,051.4	1,051.4	3.2	3.2	414.1	374.2	2,078.3	1,906.1
New Mexico	797.3	777.5	190.1	161.8	0.0	0.0	82.9	82.9	6.4	6.4	1.6	0.0	1,078.3	1,028.6
Utah	324.4	324.4	1.3	1.3	0.0	0.0	255.3	255.4	12.0	12.0	73.0	48.0	666.0	641.1
Wyoming	1,407.3	1,407.3	0.0	0.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	1,714.4	1,714.4
Pacific Contiguous	11,998.3	11,776.1	3,234.5	1,294.9	1,047.5	406.5	39,934.3	39,751.9	2,033.5	1,996.1	2,153.0	2,142.0	60,401.1	57,367.5
California	6,034.2	5,818.0	3,221.3	1,283.7	1,047.5	406.5	10,180.1	10,150.3	1,309.2	1,299.4	2,135.3	2,124.3	23,927.6	21,082.2
Oregon	3,157.9	3,151.9	12.7	10.7	0.0	0.0	8,454.7	8,454.7	321.1	314.0	17.7	17.7	11,964.1	11,949.0
Washington	2,806.2	2,806.2	0.5	0.5	0.0	0.0	21,299.5	21,146.9	403.2	382.7	0.0	0.0	24,509.4	24,336.3
Pacific Noncontiguous	265.0	262.3	20.2	13.2	0.0	0.0	440.6	440.6	266.6	255.2	43.0	43.0	1,035.4	1,014.3
Alaska	59.4	56.7	0.0	0.0	0.0	0.0	415.6	415.6	7.0	5.6	0.0	0.0	482.0	477.9
Hawaii	205.6	205.6	20.2	13.2	0.0	0.0	25.0	25.0	259.6	249.6	43.0	43.0	553.4	536.4
U.S. Total	61,322.6	59,446.3	6,438.2	3,379.5	1,411.4	476.0	79,238.0	78,858.6	13,431.4	12,507.5	2,694.7	2,617.2	164,536.3	157,285.1

Values are preliminary.

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of existing or planned capacity for some technologies such as solar

Table 6.2.C. Net Summer Capacity of Utility Scale Units Using Primarily Fossil Fuels and by State, July 2014 and 2013 (Megawatts)

Census Division and State	Natural Gas Fired Combined Cycle		Natural Gas Fired Combustion Turbine		Other Natural Gas		Coal		Petroleum Coke		Petroleum Liquids		Other Gases		Total Fossil Fuels	
	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013	July 2014	July 2013
New England	12,212.9	12,194.9	1,110.3	1,223.5	892.8	857.6	2,238.6	2,547.1	0.0	0.0	7,274.7	7,560.3	0.0	0.0	23,729.3	24,383.4
Connecticut	2,504.6	2,511.7	481.2	591.6	77.3	60.8	389.1	383.4	0.0	0.0	2,976.8	2,830.3	0.0	0.0	6,429.0	6,377.8
Maine	1,250.0	1,250.0	297.2	306.0	119.0	119.0	85.0	85.0	0.0	0.0	1,001.6	1,004.9	0.0	0.0	2,752.8	2,764.9
Massachusetts	5,523.1	5,505.0	328.1	322.1	686.1	667.4	1,230.6	1,544.8	0.0	0.0	2,681.3	3,110.1	0.0	0.0	10,449.2	11,149.4
New Hampshire	1,203.0	1,203.0	3.8	3.8	0.0	0.0	533.9	533.9	0.0	0.0	498.0	498.0	0.0	0.0	2,238.7	2,238.7
Rhode Island	1,732.2	1,725.2	0.0	0.0	10.4	10.4	0.0	0.0	0.0	0.0	17.2	17.2	0.0	0.0	1,759.8	1,752.8
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.8	99.8	0.0	0.0	99.8	99.8
Middle Atlantic	22,475.6	22,478.6	8,916.2	8,767.0	9,655.8	8,766.3	18,729.1	21,596.7	11.6	11.6	8,429.6	9,681.2	100.4	100.4	68,318.3	71,401.8
New Jersey	5,861.1	5,870.3	4,093.4	4,093.7	642.9	642.9	1,881.4	2,006.6	11.6	11.6	1,110.2	1,302.3	0.0	0.0	13,600.6	13,927.4
New York	8,254.8	8,338.6	3,141.8	3,011.4	7,214.3	7,194.6	2,127.5	2,334.2	0.0	0.0	4,907.9	5,035.4	0.0	0.0	25,646.3	25,914.2
Pennsylvania	8,359.7	8,269.7	1,681.0	1,661.9	1,798.6	928.8	14,720.2	17,255.9	0.0	0.0	2,411.5	3,343.5	100.4	100.4	29,071.4	31,560.2
East North Central	16,239.1	16,838.4	25,909.5	25,745.4	3,494.9	3,430.8	72,386.8	73,005.2	570.1	570.1	3,192.9	3,191.9	933.1	906.1	122,726.4	123,687.9
Illinois	2,959.7	2,976.6	10,295.6	10,314.6	228.0	238.7	15,501.6	15,541.6	0.0	0.0	686.0	663.1	117.7	117.7	29,788.6	29,852.3
Indiana	2,451.9	2,451.9	3,172.6	3,189.6	8.7	6.5	18,680.2	18,686.0	274.0	274.0	456.4	456.4	598.3	571.3	25,642.1	25,635.7
Michigan	4,210.1	4,777.0	3,636.8	3,408.7	3,060.3	2,992.6	11,198.3	11,261.8	47.2	47.2	537.3	568.9	0.0	0.0	22,690.0	23,056.2
Ohio	3,963.8	3,963.8	5,428.7	5,443.1	57.4	57.4	18,820.5	19,204.5	142.0	142.0	909.1	894.9	217.1	217.1	29,536.6	29,922.8
Wisconsin	2,653.6	2,669.1	3,377.8	3,389.4	140.5	135.6	8,186.2	8,311.3	106.9	106.9	604.1	608.6	0.0	0.0	15,069.1	15,220.9
West North Central	5,733.1	5,724.1	11,429.5	11,201.8	3,175.9	3,257.3	37,667.6	37,854.8	32.0	32.0	4,082.9	4,105.3	8.4	8.4	62,129.4	62,183.7
Iowa	1,161.5	1,161.5	1,113.9	1,113.9	261.7	261.4	6,594.4	6,683.4	32.0	32.0	986.5	998.3	0.0	0.0	10,150.0	10,250.5
Kansas	0.0	0.0	2,377.8	2,377.8	2,032.9	2,043.0	5,223.0	5,223.0	0.0	0.0	533.6	541.3	0.0	0.0	10,167.3	10,185.1
Minnesota	2,107.2	2,107.2	2,553.0	2,558.4	228.6	278.7	4,705.4	4,696.5	0.0	0.0	807.4	804.0	0.0	0.0	10,401.6	10,444.8
Missouri	1,834.8	1,834.8	3,379.5	3,397.5	254.9	267.4	12,383.0	12,468.5	0.0	0.0	1,152.4	1,161.4	0.0	0.0	19,004.6	19,129.6
Nebraska	339.6	320.6	1,150.7	1,111.6	385.2	394.2	4,145.7	4,145.7	0.0	0.0	311.9	314.8	0.0	0.0	6,333.1	6,286.9
North Dakota	0.0	0.0	160.0	0.0	0.0	0.0	4,141.1	4,141.1	0.0	0.0	64.6	58.6	8.4	8.4	4,374.1	4,208.1
South Dakota	290.0	300.0	694.6	642.6	12.6	12.6	475.0	496.6	0.0	0.0	226.5	226.9	0.0	0.0	1,698.7	1,678.7
South Atlantic	46,191.0	44,804.2	31,609.4	31,521.0	4,698.7	4,018.9	64,413.1	66,325.3	651.8	633.8	14,635.7	15,207.3	135.0	135.0	162,334.7	162,645.5
Delaware	1,136.0	1,130.0	355.0	355.0	892.0	870.8	573.0	726.0	0.0	0.0	116.4	105.4	135.0	135.0	3,207.4	3,322.2
District of Columbia	0.0	0.0	9.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	10.0
Florida	25,896.9	25,157.6	8,077.7	7,958.9	2,697.5	2,186.5	10,087.0	10,266.0	568.0	590.0	7,176.2	7,702.8	0.0	0.0	54,503.3	53,821.8
Georgia	7,941.2	7,960.0	7,808.9	7,836.9	115.0	115.0	12,412.1	12,737.1	83.8	83.8	1,101.7	1,130.9	0.0	0.0	29,462.7	29,863.7
Maryland	230.0	230.0	1,483.4	1,488.3	330.9	335.5	4,757.0	4,757.0	0.0	0.0	2,809.9	2,807.6	0.0	0.0	9,911.2	9,618.4
North Carolina	4,697.6	4,075.6	6,071.7	6,068.2	0.0	74.0	10,804.8	11,394.8	0.0	0.0	421.4	416.4	0.0	0.0	21,995.5	22,029.0
South Carolina	2,416.0	2,281.7	2,852.2	2,852.2	110.8	110.8	5,930.5	6,225.5	0.0	0.0	663.4	664.5	0.0	0.0	11,972.9	12,134.7
Virginia	3,873.3	3,969.3	3,877.6	3,877.6	546.9	320.7	5,575.1	5,898.3	0.0	0.0	2,335.7	2,368.7	0.0	0.0	16,208.6	16,434.6
West Virginia	0.0	0.0	1,073.9	1,073.9	5.6	5.6	14,273.6	14,320.6	0.0	0.0	11.0	11.0	0.0	0.0	15,364.1	15,411.1
East South Central	17,595.0	17,804.9	12,819.5	12,865.8	2,794.4	2,865.5	36,664.0	37,122.2	0.0	0.0	205.1	197.1	99.8	99.8	70,177.8	70,955.3
Alabama	9,344.8	9,325.7	2,520.6	2,550.6	178.3	169.1	10,689.7	11,145.3	0.0	0.0	42.6	42.6	99.8	99.8	22,875.8	23,333.1
Kentucky	0.0	0.0	4,812.6	4,828.9	0.0	0.0	15,219.7	15,222.3	0.0	0.0	69.9	69.9	0.0	0.0	20,102.2	20,121.1
Mississippi	6,847.2	7,076.2	1,716.9	1,716.9	2,616.1	2,696.4	2,526.0	2,526.0	0.0	0.0	43.0	35.0	0.0	0.0	13,749.2	14,050.5
Tennessee	1,403.0	1,403.0	3,769.4	3,769.4	0.0	0.0	8,228.6	8,228.6	0.0	0.0	49.6	49.6	0.0	0.0	13,450.6	13,450.6
West South Central	56,736.9	56,455.9	12,000.6	11,990.5	37,503.3	38,020.0	37,955.2	37,921.3	985.6	1,409.8	200.6	195.9	379.9	379.9	145,762.1	146,373.3
Arkansas	4,630.5	4,660.5	727.6	757.1	793.7	1,824.0	5,122.3	5,144.0	0.0	0.0	12.2	17.2	0.0	0.0	11,286.3	12,402.8
Louisiana	7,304.6	7,324.2	2,397.3	2,406.2	8,997.1	8,434.2	3,427.0	3,414.0	975.0	975.0	49.3	46.9	34.3	34.3	23,184.6	22,634.8
Oklahoma	7,427.5	7,512.5	1,191.9	1,191.9	5,093.2	5,092.5	5,294.4	5,294.4	0.0	0.0	74.4	69.3	0.0	0.0	19,081.4	19,160.6
Texas	37,374.3	36,958.7	7,683.8	7,635.3	22,619.3	22,669.3	24,111.5	24,068.9	10.6	434.8	64.7	62.5	345.6	345.6	92,209.8	92,175.1
Mountain	21,762.7	21,672.5	8,854.1	8,866.5	3,335.7	3,336.6	30,074.0	30,756.4	52.0	52.0	341.0	325.2	94.9	94.9	64,514.4	65,104.1
Arizona	9,888.4	10,418.2	2,357.6	2,353.6	1,105.6	1,106.6	6,157.0	6,157.0	0.0	0.0	90.5	90.5	0.0	0.0	19,599.1	20,125.9
Colorado	2,733.2	2,733.2	2,538.6	2,545.5	381.0	386.0	5,404.8	5,482.3	0.0	0.0	170.7	177.9	0.0	0.0	11,228.3	11,324.9
Idaho	567.5	567.5	543.0	543.0	0.0	0.0	17.2	17.2	0.0	0.0	5.4	5.4	0.0	0.0	1,133.1	1,133.1
Montana	0.0	0.0	362.1	362.1	54.0	54.0	2,442.1	2,442.1	52.0	52.0	2.0	2.0	1.5	1.5	2,913.7	2,913.7
Nevada	5,287.2	5,287.2	1,380.6	1,380.6	587.1	587.1	1,293.4	1,293.4	0.0	0.0	11.4	11.4	0.0	0.0	8,559.7	8,559.7
New Mexico	1,456.4	1,465.4	1,035.4	1,036.1	888.7	896.0	3,471.0	4,031.0	0.0	0.0	27.4	4.4	0.0	0.0	6,878.9	7,432.9
Utah	1,830.0	1,201.0	520.2	529.0	313.3	300.9	4,901.0	4,901.0	0.0	0.0	27.8	27.8	0.0	0.0	7,592.3	6,959.7
Wyoming	0.0	0.0	116.6	116.6	6.0	6.0	6,387.5	6,432.4	0.0	0.0	5.8	5.8	93.4	93.4	6,609.3	6,654.2
Pacific Contiguous	25,598.0	24,530.1	11,506.9	11,724.9	12,552.6	13,543.4	2,177.8	2,231.5	0.0	0.0	448.3	413.1	211.9	211.1	52,495.5	52,654.1
California	19,911.9	18,586.0	10,671.9	10,889.9	12,525.0	13,515.8	252.8	306.5	0.0	0.0	433.1	397.9	211.9	211.1	44,006.6	43,907.2
Oregon	2,876.4	2,878.4	133.8	133.8	0.0	0.0	585.0	585.0	0.0	0.0	0.0	0.0	0.0	0.0	3,595.2	3,597.2
Washington	2,809.7	3,065.7	701.2	701.2	27.6	27.6	1,340.0	1,340.0	0.0	0.0	15.2	15.2	0.0	0.0	4,893.7	5,149.7
Pacific Noncontiguous	577.0	577.0	518.3	472.1	13.8	15.0	290.5	290.5	0.0	0.0	2,551.9	2,653.9	6.0	6.0	3,957.5	4,014.5
Alaska	577.0	577.0	518.3	472.1	13.8	15.0	110.5	110.5	0.0	0.0	673.0	674.7	0.0	0.0	1,892.6	1,849.3
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	180.0	180.0	0.0	0.0	1,878.9	1,979.2	6.0	6.0	2,064.9	2,165.2
U.S. Total	225,121.3	223,080.6	124,674.3	124,378.5	78,117.9	78,111.4	302,596.7	309,651.0	2,303.1	2,709.3	41,362.7	43,531.2	1,969.4	1,941.6	776,145.4	783,403.6

Values are preliminary.

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of existing or planned capacity for some technologies such as solar photovoltaic generation.

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2014

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2014	1	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	02	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	1	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN6	1.6	Landfill Gas	LFG	IC
2014	1	58546	Cascade Solar LLC	IPP	Cascade Solar	CA	58590	1	18.5	Solar Photovoltaic	SUN	PV
2014	1	10056	City of Kaukauna	Electric Utility	New Badger	WI	4120	3	4.0	Conventional Hydroelectric	WAT	HY
2014	1	10056	City of Kaukauna	Electric Utility	New Badger	WI	4120	4	4.0	Conventional Hydroelectric	WAT	HY
2014	1	5109	DTE Electric Company	Electric Utility	Echo Wind Park	MI	58121	GEN1	60.8	Onshore Wind Turbine	WND	WT
2014	1	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL13	39.1	Solar Photovoltaic	SUN	PV
2014	1	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TP23	151.9	Solar Photovoltaic	SUN	PV
2014	1	58596	Hanwha Q CELLS USA	IPP	Kalaheo Renewable Energy Park	HI	58651	KREP	5.0	Solar Photovoltaic	SUN	PV
2014	1	11018	Lincoln Electric System	Electric Utility	Terry Bundy Generating Station	NE	7887	LFG1	1.6	Landfill Gas	LFG	IC
2014	1	11018	Lincoln Electric System	Electric Utility	Terry Bundy Generating Station	NE	7887	LFG2	1.6	Landfill Gas	LFG	IC
2014	1	11018	Lincoln Electric System	Electric Utility	Terry Bundy Generating Station	NE	7887	LFG3	1.6	Landfill Gas	LFG	IC
2014	1	58515	NextEra Energy Mountain View Solar	IPP	Mountain View Solar	NV	58544	1	20.0	Solar Photovoltaic	SUN	PV
2014	1	58482	RE Columbia 3 LLC	IPP	Columbia 3	CA	58502	COL3	10.0	Solar Photovoltaic	SUN	PV
2014	1	58478	RE Rosamond One LLC	IPP	Rosamond One	CA	58498	RONE	20.0	Solar Photovoltaic	SUN	PV
2014	1	58479	RE Rosamond Two LLC	IPP	Rosamond Two	CA	58499	RTWO	20.0	Solar Photovoltaic	SUN	PV
2014	1	58593	Sequoia PV 1 LLC	IPP	Tulare 1 and 2	CA	58642	1	1.5	Solar Photovoltaic	SUN	PV
2014	1	58593	Sequoia PV 1 LLC	IPP	Tulare 1 and 2	CA	58642	2	1.5	Solar Photovoltaic	SUN	PV
2014	1	57313	SolarCity Corporation	IPP	Oregon University System OIT Klamath Falls	OR	58961	PV	2.0	Solar Photovoltaic	SUN	PV
2014	1	2770	Terra-Gen Operating Co LLC	IPP	Alla Wind X	CA	58394	AW10	138.0	Onshore Wind Turbine	WND	WT
2014	1	2770	Terra-Gen Operating Co LLC	IPP	Alla Wind XI	CA	58395	AW11	90.0	Onshore Wind Turbine	WND	WT
2014	1	58268	Tulare PV 1 LLC	IPP	Ivanhoe Solar	CA	58307	1	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV 1 LLC	IPP	Ivanhoe Solar	CA	58307	2	0.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV 1 LLC	IPP	Ivanhoe Solar	CA	58307	3	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV 1 LLC	IPP	Lindsay Solar	CA	58308	1	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV 1 LLC	IPP	Lindsay Solar	CA	58308	3	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV 1 LLC	IPP	Lindsay Solar	CA	58308	4	1.0	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV 1 LLC	IPP	Porterville Solar	CA	58309	1	1.0	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV 1 LLC	IPP	Porterville Solar	CA	58309	2	1.0	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV 1 LLC	IPP	Porterville Solar	CA	58309	5	1.5	Solar Photovoltaic	SUN	PV
2014	1	58604	US Air Force	Commercial	Cape Cod Air Force Station - 6 SWS	MA	58661	GE-3	1.7	Onshore Wind Turbine	WND	WT
2014	1	58604	US Air Force	Commercial	Cape Cod Air Force Station - 6 SWS	MA	58661	GE-4	1.7	Onshore Wind Turbine	WND	WT
2014	1	57081	Washington Gas Energy Systems, Inc.	IPP	Maynard PV	MA	58412	SO026	1.0	Solar Photovoltaic	SUN	PV
2014	1	20323	Wellhead Services Inc	IPP	Escondido Power Plant	CA	58538	CTG1	45.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	2	58433	Ameresco Forward, LLC	IPP	Ameresco Forward	CA	58437	ENG1	2.1	Landfill Gas	LFG	IC
2014	2	58433	Ameresco Forward, LLC	IPP	Ameresco Forward	CA	58437	ENG2	2.1	Landfill Gas	LFG	IC
2014	2	58431	Ameresco Vasco Road, LLC	IPP	Ameresco Vasco Road	CA	58435	ENG1	2.1	Landfill Gas	LFG	IC
2014	2	58431	Ameresco Vasco Road, LLC	IPP	Ameresco Vasco Road	CA	58435	ENG2	2.1	Landfill Gas	LFG	IC
2014	2	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	03	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	2	57421	BayWa r.e Wind LLC	IPP	Broadview Energy Prime 2 LLC	NM	58465	0002	9.9	Onshore Wind Turbine	WND	WT
2014	2	57421	BayWa r.e Wind LLC	IPP	Broadview Energy Prime LLC	NM	58464	0001	9.9	Onshore Wind Turbine	WND	WT
2014	2	58136	Ecos Energy LLC	IPP	Bear Creek Solar	CA	58508	PV3	1.5	Solar Photovoltaic	SUN	PV
2014	2	58615	First Solar Energy LLC	IPP	Agua Caliente Solar Project	AZ	57373	AGU3	110.0	Solar Photovoltaic	SUN	PV
2014	2	58656	Pheasant Run Wind II, LLC	IPP	Pheasant Run Wind II	MI	58719	WPH2	74.8	Onshore Wind Turbine	WND	WT
2014	2	58268	Tulare PV 1 LLC	IPP	Exeter Solar	CA	58306	1	1.0	Solar Photovoltaic	SUN	PV
2014	2	58268	Tulare PV 1 LLC	IPP	Exeter Solar	CA	58306	2	1.0	Solar Photovoltaic	SUN	PV
2014	2	58268	Tulare PV 1 LLC	IPP	Exeter Solar	CA	58306	3	1.5	Solar Photovoltaic	SUN	PV
2014	2	58568	Westlands Solar Farms, LLC	IPP	Westlands Solar PV Farm	CA	58616	WSF1	18.0	Solar Photovoltaic	SUN	PV
2014	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	1	0.5	Petroleum Liquids	JF	IC
2014	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	2	0.5	Petroleum Liquids	JF	IC
2014	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	3	0.5	Petroleum Liquids	JF	IC
2014	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	4	0.5	Petroleum Liquids	JF	IC
2014	3	58462	Battery Utility of Ohio LLC	IPP	Battery Utility of Ohio	OH	58475	BOU	4.0	Batteries	MWH	BA
2014	3	58839	Central Valley Ag Power LLC	IPP	Central Valley Ag Power	CA	58978	CVAP	1.5	Other Waste Biomass	OBG	IC
2014	3	56723	Genesis Solar LLC	IPP	Genesis Solar Energy Project	CA	58794	GEN01	125.0	Solar Thermal without Energy Storage	SUN	ST
2014	3	58596	Hanwha Q CELLS USA	IPP	Maywood Photovoltaic Project	IN	58330	1	8.0	Solar Photovoltaic	SUN	PV
2014	3	58696	Ignite Solar Holdings LLC	IPP	Shasta Solar Farm	CA	58814	GENA	1.5	Solar Photovoltaic	SUN	PV
2014	3	58696	Ignite Solar Holdings LLC	IPP	Shasta Solar Farm	CA	58814	GENB	1.5	Solar Photovoltaic	SUN	PV
2014	3	56167	Imperial Valley Solar, LLC	IPP	Imperial Valley Solar, LLC	CA	56917	1B	34.3	Solar Photovoltaic	SUN	PV
2014	3	58710	Lakeswind Power Partners	IPP	Lakeswind Power Partners	MN	58836	LW1	50.0	Onshore Wind Turbine	WND	WT
2014	3	58822	MC Power Companies Inc	IPP	Butler Solar Power Project	MO	58959	BSF1	2.8	Solar Photovoltaic	SUN	PV
2014	3	12266	Melrose Public Utilities	Electric Utility	Melrose 2	MI	58929	1	1.0	Petroleum Liquids	DFO	IC
2014	3	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	AVS1	38.0	Solar Photovoltaic	SUN	PV
2014	3	58377	MidAmerican Solar LLC	IPP	Solar Star 2, LLC	CA	58389	AVS2	19.0	Solar Photovoltaic	SUN	PV
2014	3	58489	OCI Solar Power	IPP	OCI Alamo 2, LLC	TX	58716	1	4.4	Solar Photovoltaic	SUN	PV
2014	3	51002	Rock-Tenn Company	Industrial	Rock-Tenn Mill	AL	54763	4TG	30.0	Wood/Wood Waste Biomass	BLQ	ST
2014	3	54842	WM Renewable Energy LLC	IPP	Metro Methane Recovery Facility	IA	54700	GEN10	1.6	Landfill Gas	LFG	IC
2014	3	54842	WM Renewable Energy LLC	IPP	Metro Methane Recovery Facility	IA	54700	GEN11	1.6	Landfill Gas	LFG	IC
2014	3	54842	WM Renewable Energy LLC	IPP	Metro Methane Recovery Facility	IA	54700	GEN12	1.6	Landfill Gas	LFG	IC
2014	3	58432	Ameresco San Joaquin, LLC	IPP	Ameresco San Joaquin	CA	58436	ENG1	2.1	Landfill Gas	LFG	IC
2014	3	58432	Ameresco San Joaquin, LLC	IPP	Ameresco San Joaquin	CA	58436	ENG2	2.1	Landfill Gas	LFG	IC
2014	4	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE5	18.6	Solar Photovoltaic	SUN	PV
2014	4	58789	DOD USMC Marine Air Ground Combat	IPP	MCAGCC Cogan Plant 2	CA	58916	CG100	4.6	Natural Gas Fired Combustion Turbine	NG	GT
2014	4	58789	DOD USMC Marine Air Ground Combat	IPP	MCAGCC Cogan Plant 2	CA	58916	CG200	2.5	Natural Gas Fired Combustion Turbine	NG	GT
2014	4	58136	Ecos Energy LLC	IPP	Kettleman Solar Project	CA	58510	PV5	1.0	Solar Photovoltaic	SUN	PV
2014	4	58136	Ecos Energy LLC	IPP	Vintner Solar	CA	58509	PV4	1.5	Solar Photovoltaic	SUN	PV
2014	4	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL14	26.5	Solar Photovoltaic	SUN	PV
2014	4	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5A	1,212.0	Natural Gas Fired Combined Cycle	NG	CT
2014	4	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5B		Natural Gas Fired Combined Cycle	NG	CT
2014	4	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5C		Natural Gas Fired Combined Cycle	NG	CT
2014	4	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5ST		Natural Gas Fired Combined Cycle	NG	CA
2014	4	19558	Homer Electric Assn Inc	Electric Utility	Soldotna	AK	57206	1	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	4	58598	Mass Solar, LLC	IPP	Dartmouth	MA	58682	PV1	6.3	Solar Photovoltaic	SUN	PV
2014	4	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	SS16	62.9	Solar Photovoltaic	SUN	PV
2014	4	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS25	52.0	Solar Photovoltaic	SUN	PV
2014	4	58256	Milbury Solar LLC	IPP	Milbury Solar	MA	58280	1	3.0	Solar Photovoltaic	SUN	PV
2014	4	58325	New Bern Farm LLC	IPP	New Bern Farm	NC	58339	1	5.0	Solar Photovoltaic	SUN	PV
2014	4	58654	Orion Solar I LLC	IPP	Orion Solar I	CA	58718	PV1	12.0	Solar Photovoltaic	SUN	PV
2014	4	58791	Pristine Sun LLC	IPP	2097 Helton Solar Project	CA	58920	2097	1.5	Solar Photovoltaic	SUN	PV
2014	4	58791	Pristine Sun LLC	IPP	2127 Harris Solar Project	CA	58919	2127	1.3	Solar Photovoltaic	SUN	PV
2014	4	58808	Rockville Solar I LLC	IPP	Rockville Solar I LLC	IN	58942	RVS1	2.8	Solar Photovoltaic	SUN	PV
2014	4	58326	Roxboro Farm LLC	IPP	Roxboro Farm	NC	58340	1	5.0	Solar Photovoltaic	SUN	PV
2014	4	58418	State Fair Community College	IPP	Missouri Center for Waste to Energy	MO	58421	320	1.0	Landfill Gas	LFG	IC
2014	4	58771	Tri-County Water Conservancy District	IPP	Tri-County Water Hydropower Project	CO	58901	TCWG1	7.2	Conventional Hydroelectric	WAT	HY
2014	4	58771	Tri-County Water Conservancy District	IPP	Tri-County Water Hydropower Project	CO	58901	TCWG2	0.0	Conventional Hydroelectric	WAT	HY
2014	4	58521	University of Wisconsin Oshkosh Foundation	IPP	Oshkosh Foundation Rosedale Biodigester LLC	WI	58555	85100	1.4	Other Waste Biomass	OBG	IC
2014	4	58802	Waspole Solar 2, LLC	IPP	Waspole Solar 2	MA	58936	WSP1H	2.4	Solar Photovoltaic	SUN	PV
2014	5	56979	Adobe Solar LLC	IPP	FRV Cygnus Solar Project	CA	57851	FRV3	20.0	Solar Photovoltaic	SUN	PV
2014	5	222	Akron City of	Commercial	Akron WRF	OH	58980	2G-1	0.6	Other Waste Biomass	OBG	IC
2014	5	222	Akron City of	Commercial	Akron WRF	OH	58980	2G-2	0.6	Other Waste Biomass	OBG	IC
2014	5	222	Akron City of	Commercial	Akron WRF	OH	58980	2G-3	0.6	Other Waste Biomass	OBG	IC
2014	5	221	Alaska Village Elec Coop, Inc	Electric Utility	Togiak	AK	6348	5A	0.8	Petroleum Liquids	DFO	IC
2014	5	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE6	25.6	Solar Photovoltaic	SUN	PV
2014	5	57365	Consolidated Edison Solutions Inc	IPP	Thonot Solar	MA	58749	T5MA	1.0	Solar Photovoltaic	SUN	PV
2014	5	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	1	26.0	Solar Photovoltaic	SUN	PV
2014	5	58827	Fairfield Wind Master Tenant LLC	IPP	Fairfield Wind	MT	58966	T 1-6	10.0	Onshore Wind Turbine	WND	WT
2014	5	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	2	1.2	Conventional Hydroelectric	WAT	HY

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2014

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2014	5	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	3	1.2	Conventional Hydroelectric	WAT	HY
2014	5	58903	Gardner Solar 1, LLC	IPP	Gardner Solar 1	MA	58937	GRDN1	2.0	Solar Photovoltaic	SUN	PV
2014	5	58465	Green States Energy, Inc.	IPP	HOW GM1	MA	58907	1	3.5	Solar Photovoltaic	SUN	PV
2014	5	8153	Hartford Steam Co	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN4	1.4	Other Natural Gas	NG	FC
2014	5	49893	Inverness Services LLC	IPP	Prairie Breeze	NE	58322	1	206.5	Onshore Wind Turbine	WIND	WT
2014	5	58681	MSM Solar LLC	IPP	Storie Lake Solar Project	NM	58794	MSMPV	1.5	Solar Photovoltaic	SUN	PV
2014	5	58255	Mass Midstate Solar 1 LLC	IPP	Mass Midstate Solar 1	MA	58279	1	5.0	Solar Photovoltaic	SUN	PV
2014	5	58252	Mass Midstate Solar 2 LLC	IPP	Mass Midstate Solar 2	MA	58276	1	5.0	Solar Photovoltaic	SUN	PV
2014	5	58251	Mass Midstate Solar 3 LLC	IPP	Mass Midstate Solar 3	MA	58275	1	4.0	Solar Photovoltaic	SUN	PV
2014	5	34691	Ormat Nevada Inc	IPP	Heber Solar	CA	58398	1	10.0	Solar Photovoltaic	SUN	PV
2014	5	14354	PacifiCorp	Electric Utility	Lake Side Power Plant	UT	56237	CT21	178.0	Natural Gas Fired Combined Cycle	NG	CT
2014	5	14354	PacifiCorp	Electric Utility	Lake Side Power Plant	UT	56237	CT22	178.0	Natural Gas Fired Combined Cycle	NG	CT
2014	5	14354	PacifiCorp	Electric Utility	Lake Side Power Plant	UT	56237	ST2	273.0	Natural Gas Fired Combined Cycle	NG	CA
2014	5	58579	Silverado Power	IPP	Expressway Solar A	CA	58761	EXSA	2.0	Solar Photovoltaic	SUN	PV
2014	5	58579	Silverado Power	IPP	Expressway Solar B	CA	58762	EXSB	2.0	Solar Photovoltaic	SUN	PV
2014	5	58579	Silverado Power	IPP	Rodeo Solar C2	CA	58751	RSC2	1.5	Solar Photovoltaic	SUN	PV
2014	5	58579	Silverado Power	IPP	Rodeo Solar D2	CA	58752	RSD2	1.5	Solar Photovoltaic	SUN	PV
2014	5	58999	Western Massachusetts Electric Company	Electric Utility	Cottage Street Solar Facility	MA	58568	PV-3	3.2	Solar Photovoltaic	SUN	PV
2014	6	58879	651 Chase Solar NG LLC	IPP	651 Chase Solar NG	MA	59046	PV1	1.0	Solar Photovoltaic	SUN	PV
2014	6	58694	Argand Energy Solutions, LLC	IPP	Arba Solar, LLC	NC	58801	INV1	0.5	Solar Photovoltaic	SUN	PV
2014	6	58694	Argand Energy Solutions, LLC	IPP	Arba Solar, LLC	NC	58801	INV2	0.5	Solar Photovoltaic	SUN	PV
2014	6	58694	Argand Energy Solutions, LLC	IPP	Arba Solar, LLC	NC	58801	INV3	0.5	Solar Photovoltaic	SUN	PV
2014	6	58694	Argand Energy Solutions, LLC	IPP	Arba Solar, LLC	NC	58801	INV4	0.5	Solar Photovoltaic	SUN	PV
2014	6	58567	Blue Renewable Energy IMS, LLC	IPP	Indianapolis Motor Speedway Solar PV	IN	58615	IMS	9.0	Solar Photovoltaic	SUN	PV
2014	6	58894	CF CVEC Owner One LLC	IPP	Katama Farm	NC	59079	KAT1	1.0	Solar Photovoltaic	SUN	PV
2014	6	58894	CF CVEC Owner One LLC	IPP	Nunnepp	NC	59080	NUN1	1.0	Solar Photovoltaic	SUN	PV
2014	6	3370	Channel Energy Center LLC	IPP	Channel Energy Center LLC	TX	55299	CTG3	183.0	Natural Gas Fired Combined Cycle	NG	CT
2014	6	58906	Chauncey Farm	IPP	Chauncey Farm LLC	NC	59100	1	4.9	Solar Photovoltaic	SUN	PV
2014	6	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	2	27.0	Solar Photovoltaic	SUN	PV
2014	6	4994	Deer Park Energy Center	Electric CHP	Deer Park Energy Center	TX	55464	CTG6	154.8	Natural Gas Fired Combined Cycle	NG	CT
2014	6	5906	EDF Renewable Services Inc	IPP	Lepomis PV Energy LLC	MA	59085	INV-1	4.5	Solar Photovoltaic	SUN	PV
2014	6	58944	Enerparc CA 1, LLC	IPP	Enerparc CA1 LLC	CA	59122	ECA11	1.5	Solar Photovoltaic	SUN	PV
2014	6	58837	Fairview Farms Solar LLC	IPP	Fairview Farms Solar	MA	58974	PV1	0.8	Solar Photovoltaic	SUN	PV
2014	6	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	1	1.2	Conventional Hydroelectric	WAT	HY
2014	6	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL15	13.9	Solar Photovoltaic	SUN	PV
2014	6	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL18	29.0	Solar Photovoltaic	SUN	PV
2014	6	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL5	25.2	Solar Photovoltaic	SUN	PV
2014	6	58812	GLT Cloverdale Solar LLC	IPP	Cloverdale Solar I	CA	58949	TBD	1.5	Solar Photovoltaic	SUN	PV
2014	6	58598	Mass Solar, LLC	IPP	North Brookfield	MA	58650	PV1	3.0	Solar Photovoltaic	SUN	PV
2014	6	58322	Mile Farm LLC	IPP	Mile Farm	NC	58336	1	5.0	Solar Photovoltaic	SUN	PV
2014	6	56990	NJR Clean Energy Ventures Corporation	IPP	Two Dot Wind Farm	MT	59003	1	9.7	Onshore Wind Turbine	WIND	WT
2014	6	58656	Orion Solar II, LLC	IPP	Orion Solar II	CA	58721	ORION	8.0	Solar Photovoltaic	SUN	PV
2014	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	10A	122.0	Conventional Hydroelectric	WAT	HY
2014	6	58388	Pantex (NNSA)	Commercial	Pantex	TX	58404	1	11.5	Onshore Wind Turbine	WIND	WT
2014	6	58738	Sigmon Catawba Farm LLC	IPP	Sigmon Catawba Farm	NC	58861	1	5.0	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power	IPP	Summer Solar A2	CA	58753	SSA2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power	IPP	Summer Solar B2	CA	58754	SSB2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58579	Silverado Power	IPP	Summer Solar C2	CA	58755	SSC2	1.5	Solar Photovoltaic	SUN	PV
2014	6	58518	Sol Orchard Community, LLC	IPP	Community Solar 1	CA	58545	1	5.7	Solar Photovoltaic	SUN	PV
2014	6	58996	Soluga Farms 1 LLC	IPP	Soluga Farms 1	NC	59191	1	5.0	Solar Photovoltaic	SUN	PV
2014	6	58916	Springfield Solar 1 LLC	IPP	Springfield Solar 1 LLC	MO	59110	1	4.9	Solar Photovoltaic	SUN	PV
2014	6	58418	State Fair Community College	IPP	Missouri Center for Waste to Energy	MO	58421	420	1.4	Landfill Gas	LFG	IC
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN10	2.0	Other Natural Gas	NG	IC
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN7	2.0	Other Natural Gas	NG	IC
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN8	2.0	Other Natural Gas	NG	IC
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN9	2.0	Other Natural Gas	NG	IC
2014	7	58748	Clean Energy LLC	Electric CHP	Reverture Park	NC	58865	LFG	1.9	Landfill Gas	LFG	IC
2014	7	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	3	26.0	Solar Photovoltaic	SUN	PV
2014	7	5906	EDF Renewable Services Inc	IPP	EDF Lancaster	MA	59140	INV-1	4.5	Solar Photovoltaic	SUN	PV
2014	7	5906	EDF Renewable Services Inc	IPP	Spinning Spur Wind II	TX	58774	GEN1	161.0	Onshore Wind Turbine	WIND	WT
2014	7	361	Industrial Energy Applications Inc	IPP	Alliant SBD 9201 Norplex	IA	54712	0002	1.0	Petroleum Liquids	DFO	IC
2014	7	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS21	59.0	Solar Photovoltaic	SUN	PV
2014	7	56990	NJR Clean Energy Ventures Corporation	IPP	West Pemberton	NJ	59186	PV1	7.0	Solar Photovoltaic	SUN	PV
2014	7	56545	Pattern Operators LP	IPP	Pattern Panhandle Wind LLC	TX	58242	1	218.0	Onshore Wind Turbine	WIND	WT
2014	7	58593	Sequoia PV 1 LLC	IPP	Farmersville	CA	59203	PV1	1.5	Solar Photovoltaic	SUN	PV
2014	7	58593	Sequoia PV 1 LLC	IPP	Farmersville	CA	59203	PV2	1.5	Solar Photovoltaic	SUN	PV
2014	7	58593	Sequoia PV 1 LLC	IPP	Farmersville	CA	59203	PV3	1.5	Solar Photovoltaic	SUN	PV
2014	7	59004	Sequoia PV 3 LLC	IPP	Porterville 6 and 7	CA	59219	PV1	3.0	Solar Photovoltaic	SUN	PV
2014	7	59004	Sequoia PV 3 LLC	IPP	Porterville 6 and 7	CA	59219	PV2	3.0	Solar Photovoltaic	SUN	PV
2014	7	58579	Silverado Power	IPP	Summer Solar D2	CA	58756	SSD2	1.0	Solar Photovoltaic	SUN	PV
2014	7	58916	Spicewood Solar Farm LLC	IPP	Spicewood Solar Farm LLC	NC	59109	1	5.0	Solar Photovoltaic	SUN	PV
2014	7	56533	Troy Energy LLC	IPP	Troy Energy LLC	OH	55348	IC1	3.0	Petroleum Liquids	DFO	IC
2014	7	56533	Troy Energy LLC	IPP	Troy Energy LLC	OH	55348	IC2	3.0	Petroleum Liquids	DFO	IC
2014	7	56533	Troy Energy LLC	IPP	Troy Energy LLC	OH	55348	IC3	4.0	Petroleum Liquids	DFO	IC
2014	7	56533	Troy Energy LLC	IPP	Troy Energy LLC	OH	55348	IC4	4.0	Petroleum Liquids	DFO	IC
2014	7	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	1	1.6	Landfill Gas	LFG	IC
2014	7	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	2	1.6	Landfill Gas	LFG	IC
2014	7	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	3	1.6	Landfill Gas	LFG	IC
2014	7	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	4	1.6	Landfill Gas	LFG	IC
2014	7	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	5	1.6	Landfill Gas	LFG	IC
2014	7	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	6	1.6	Landfill Gas	LFG	IC
2014	7	58705	Washington Gas Energy Systems	IPP	Cogenra - TEP	AZ	58832	CTEP	1.0	Solar Photovoltaic	SUN	PV

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of capacity for some technologies such as solar photovoltaic generation.

Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.

Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

Table 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, and Month, 2014

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2014	1	19547	Hawaiian Electric Co Inc	Electric Utility	Honolulu	HI	764	H8	48.6	Petroleum Liquids	RFO	ST
2014	1	19547	Hawaiian Electric Co Inc	Electric Utility	Honolulu	HI	764	H9	51.7	Petroleum Liquids	RFO	ST
2014	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT1	0.5	Petroleum Liquids	JF	IC
2014	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT2	0.4	Petroleum Liquids	JF	IC
2014	3	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT3	0.3	Petroleum Liquids	JF	IC
2014	3	19545	Black Hills Power Inc	Electric Utility	Ben French	SD	3325	ST1	21.6	Conventional Steam Coal	SUB	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Neil Simpson	WY	4150	5	14.6	Conventional Steam Coal	SUB	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Osage	WY	4151	1	10.1	Conventional Steam Coal	SUB	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Osage	WY	4151	2	10.1	Conventional Steam Coal	SUB	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Osage	WY	4151	3	10.1	Conventional Steam Coal	SUB	ST
2014	3	2176	Brazos River Authority	Electric Utility	Morris Sheppard	TX	3557	1	12.0	Conventional Hydroelectric	WAT	HY
2014	3	2176	Brazos River Authority	Electric Utility	Morris Sheppard	TX	3557	2	12.0	Conventional Hydroelectric	WAT	HY
2014	3	14165	NRG Power Midwest LP	IPP	Etrama Power Plant	PA	3098	1	93.0	Conventional Steam Coal	BIT	ST
2014	3	14165	NRG Power Midwest LP	IPP	Etrama Power Plant	PA	3098	2	93.0	Conventional Steam Coal	BIT	ST
2014	3	14165	NRG Power Midwest LP	IPP	Etrama Power Plant	PA	3098	3	103.0	Conventional Steam Coal	BIT	ST
2014	3	14165	NRG Power Midwest LP	IPP	Etrama Power Plant	PA	3098	4	171.0	Conventional Steam Coal	BIT	ST
2014	5	9384	International Paper Co-Courtld	Industrial	International Paper Courtland Mill	AL	50245	ABB	62.0	Wood/Wood Waste Biomass	BLQ	ST
2014	5	9384	International Paper Co-Courtld	Industrial	International Paper Courtland Mill	AL	50245	GE	27.0	Wood/Wood Waste Biomass	BLQ	ST
2014	5	58793	Missouri University of Science and Technology	IPP	Missouri S&T - Power Plant	MO	58923	1000	1.0	Petroleum Liquids	DFO	IC
2014	5	58793	Missouri University of Science and Technology	IPP	Missouri S&T - Power Plant	MO	58923	500K	0.2	Conventional Steam Coal	BIT	ST
2014	5	55766	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	1	113.0	Conventional Steam Coal	BIT	ST
2014	6	4161	Constellation Power Sourca Gen	IPP	Riverside	MD	1559	GT6	115.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	1	79.7	Conventional Steam Coal	BIT	ST
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	2	78.0	Conventional Steam Coal	BIT	ST
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	3	149.8	Conventional Steam Coal	BIT	ST
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	4	436.8	Petroleum Liquids	RFO	ST
2014	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	91	46.6	Petroleum Liquids	DFO	GT
2014	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	92	47.3	Petroleum Liquids	DFO	GT
2014	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	93	46.8	Petroleum Liquids	DFO	GT
2014	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	94	46.0	Petroleum Liquids	DFO	GT
2014	7	18587	Sierra Power Corp	Industrial	Sierra Power	CA	50068	WEST	0.0	Wood/Wood Waste Biomass	WDS	ST
2014	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	1	111.0	Conventional Steam Coal	BIT	ST
2014	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	2	111.0	Conventional Steam Coal	BIT	ST
2014	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	4	111.0	Conventional Steam Coal	BIT	ST
2014	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	6	111.0	Conventional Steam Coal	BIT	ST

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of capacity for some technologies such as solar photovoltaic generation.

Entity ID and Plant ID are official, unique identification numbers assigned by EIA. Generator IDs are assigned by plant owners and/or operators.

Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entry ID	Entry Name	Plant State	Plant Type	Plant Name	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source	Prime Mover	Status	
2014		4983	Inevity Services, LLC	IPP	Electric Utility	Gis Bend	AZ	56020	PV1	32.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014		55020	Bio-Gas Technologies LTD	IPP	Renewable Energy Services of Ohio		OH	57249	GEN2	0.8	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated
2014		5894	CF CVEC Owner One LLC	IPP	Haverhill Landfill		MA	59073	HAR1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete
2014		58540	California PV Energy LLC	IPP	California PV Energy at 5SD WFFP		CA	58283	WA236	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58748	Chan Energy LLC	IPP	Reverend Park		NC	58955	RNG1	1.6	Other Waste Biomass	OMB	IC	(TS) Construction complete, but not yet in commercial operation
2014		56615	First Solar Energy LLC	IPP	AVI Solar Ranch One		CA	57973	AVS1	23.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014		56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC		CA	57993	DSL4	21.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014		58873	Green Energy Team LLC	IPP	Biomas to Energy Facility, Kauai		HI	59035	MMK1	8.3	Other Waste Biomass	AB	ST	(U) Under construction, more than 50 percent complete
2014		4983	Inevity Services, LLC	IPP	Maui Wind Energy Center		HI	58765	W1	28.6	Oroshere Wind Turbine	WIND	WT	(U) Under construction, more than 50 percent complete
2014		10071	Kauai Island Utility Cooperative	Electric Utility	KRS II Koka Solar		HI	58640	KOLP1	12.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014		10210	Ketchikan Public Utilities	Electric Utility	Whitman		AK	58977	WPG-1	3.9	Conventional Hydroelectric	WAT	HY	(U) Under construction, more than 50 percent complete
2014		10210	Ketchikan Public Utilities	Electric Utility	Whitman		AK	58977	WPG-2	0.8	Conventional Hydroelectric	WAT	HY	(U) Under construction, more than 50 percent complete
2014		10910	LAX Airport	Commercial	Central Utilities Plant LAX 2		CA	58258	GEN1	4.4	Natural Gas Fired Combined Cycle	NG	GT	(TS) Construction complete, but not yet in commercial operation
2014		10910	LAX Airport	Commercial	Central Utilities Plant LAX 2		CA	58258	GEN2	4.4	Natural Gas Fired Combined Cycle	NG	GT	(TS) Construction complete, but not yet in commercial operation
2014		11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson		TX	4937	CT-1	162.0	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation
2014		11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson		TX	4937	CT-2	162.0	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation
2014		11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson		TX	4937	STG	186.0	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation
2014		12686	Mississippi Power Co	Electric Utility	Kemper County KCC Project		MS	57037	1A	197.6	Coal Integrated Gasification Combined Cycle	SGC	CT	(U) Under construction, more than 50 percent complete
2014		12686	Mississippi Power Co	Electric Utility	Kemper County KCC Project		MS	57037	1B	197.6	Coal Integrated Gasification Combined Cycle	SGC	CT	(U) Under construction, more than 50 percent complete
2014		12686	Mississippi Power Co	Electric Utility	Kemper County KCC Project		MS	57037	1C	206.5	Coal Integrated Gasification Combined Cycle	SGC	CA	(U) Under construction, more than 50 percent complete
2014		12759	Montana-Dakota Utilities Co	Electric Utility	R M Hewlett		ND	57760	7	88.0	Natural Gas Fired Combined Cycle	NG	GT	(U) Under construction, more than 50 percent complete
2014		56900	NJR Clean Energy Ventures Corporation	IPP	Jacobusweg		NJ	59195	PV1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014		58730	Nash64 Farm LLC	IPP	Nash64 Farm		NC	58855	1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete
2014		57379	PPG - OAM Panda Sherman Power LLC	IPP	Panda Sherman Power Station		TX	58005	CTG-1	204.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, more than 50 percent complete
2014		57379	PPG - OAM Panda Sherman Power LLC	IPP	Panda Sherman Power Station		TX	58005	CTG-2	204.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, more than 50 percent complete
2014		57379	PPG - OAM Panda Sherman Power LLC	IPP	Panda Sherman Power Station		TX	58005	STG-1	309.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, more than 50 percent complete
2014		58817	Rockville Solar II, LLC	IPP	Rockville Solar II, LLC		WI	58903	RVS9	2.7	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete
2014		59104	Seavus PV 2, LLC	IPP	Harford 1 and 2		CA	59300	HAN1	1.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014		59104	Seavus PV 2, LLC	IPP	Harford 1 and 2		CA	59300	HAN2	1.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	2	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	3	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	4	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	5	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	6	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	7	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	8	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	9	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	10	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	11	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	12	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	13	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	14	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	15	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	16	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	17	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	18	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	19	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	20	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	21	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	22	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	23	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	24	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	25	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	26	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	27	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	28	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	29	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	30	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	31	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	32	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	33	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	34	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	35	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	36	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	37	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	38	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	39	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	40	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	41	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	42	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	43	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	44	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	45	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	46	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	47	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	48	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	49	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	50	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	51	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	52	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP	Soliga Farms 2 LLC		NC	59130	53	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014		58997	Soliga Farms 2 LLC	IPP</										

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entry ID	Entry Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	01C	20.0	All Other	WH	GA	(V) Under construction, more than 50 percent complete
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	02A	40.0	Natural Gas Fired Combined Turbine	NC	GT	(V) Under construction, more than 50 percent complete
2014	10	56841	Broken Bow Wind LLC	IPP	Broken Bow Wind LLC	NE	58401	NB1	73.1	Onshore Wind Turbine	WH	WT	(V) Under construction, less than or equal to 50 percent complete
2014	10	58970	Clemera Renewable Energy LLC	IPP	Lancaster Solar 1	CA	58187	LS1	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete
2014	10	58970	Clemera Renewable Energy LLC	IPP	Lancaster Solar 2	CA	59108	LS2	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete
2014	10	56769	Consolidated Edison Development Inc.	IPP	White River Solar	CA	59021	WR1	10.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete
2014	10	5089	Des Moines Metro WRF	Commercial	Des Moines Wastewater Reclamation Fac	IA	50932	72-04	1.4	Other Waste Biomass	OMG	IC	(TS) Construction complete, but not yet in commercial operation
2014	10	5089	Des Moines Metro WRF	Commercial	Des Moines Wastewater Reclamation Fac	IA	50932	72-05	1.4	Other Waste Biomass	OMG	IC	(TS) Construction complete, but not yet in commercial operation
2014	10	58916	Desiree Solar Center LLC	IPP	Desiree Solar Center LLC	NC	58962	02S2	4.8	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	10	58713	Dogwood Solar, LLC	IPP	Dogwood Solar, LLC	NC	58844	NA	20.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	10	59006	EDF Renewable Services Inc	IPP	CID Solar LLC	CA	59141	NV1	19.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	10	58883	EVERW Windcoats Farm Solar	IPP	Windcoats Farm Solar	VT	59049	9501	2.2	Solar Photovoltaic	SUN	PV	(V) Under construction, less than or equal to 50 percent complete
2014	10	59347	East Texas Electric Coop, Inc	Electric Utility	Woodville Renewable Power Project	TX	58944	GT	46.5	Wood/Wood Waste Biomass	WDB	ST	(V) Under construction, more than 50 percent complete
2014	10	58970	Escolmea, Inc	IPP	Mesa PV 1	CO	59109	MESA1	1.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete
2014	10	58970	Escolmea, Inc	IPP	Staring PV 2	CO	59188	ST2	1.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	10	58523	Enbridge Power Systems Inc	IPP	Black Oak Power Producers, LLC	MO	59310	05N1	1.9	Landfill Gas	LFG	IC	(T) Regulatory approvals received, Not under construction
2014	10	58523	Enbridge Power Systems Inc	IPP	Black Oak Power Producers, LLC	MO	59310	05N2	1.9	Landfill Gas	LFG	IC	(T) Regulatory approvals received, Not under construction
2014	10	58610	First Solar Energy LLC	IPP	Desert Sunlight 20, LLC	CA	57983	05A2	22.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	10	49893	Invernergy Services LLC	IPP	Nelson Energy Center	IL	58573	01	155.7	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete
2014	10	49893	Invernergy Services LLC	IPP	Nelson Energy Center	IL	58573	02	155.7	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete
2014	10	49893	Invernergy Services LLC	IPP	Nelson Energy Center	IL	58573	03	129.6	Other Natural Gas	NG	ST	(V) Under construction, more than 50 percent complete
2014	10	49893	Invernergy Services LLC	IPP	Nelson Energy Center	IL	58573	04	129.6	Other Natural Gas	NG	ST	(V) Under construction, more than 50 percent complete
2014	10	49893	Invernergy Services LLC	IPP	Spring Canyon II Wind Energy Center	CO	58769	1	34.0	Onshore Wind Turbine	WHD	WT	(U) Under construction, less than or equal to 50 percent complete
2014	10	57930	Limon	IPP	Limon II Wind LLC	CO	59083	W11	206.6	Onshore Wind Turbine	WHD	WT	(O) Operating
2014	10	59041	Lone Valley Solar Park I LLC	IPP	Lone Valley Solar Park I LLC	CA	59027	CP1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	10	12411	Miami Dade Water & Sewer Dept	Commercial	South District Wastewater Treatment Pl	FL	54624	1A	2.0	Other Waste Biomass	OMG	IC	(V) Under construction, more than 50 percent complete
2014	10	12411	Miami Dade Water & Sewer Dept	Commercial	South District Wastewater Treatment Pl	FL	54624	2A	2.0	Other Waste Biomass	OMG	IC	(V) Under construction, more than 50 percent complete
2014	10	12411	Mohican Energy Wind Project	IPP	Mohican Wind Project	NY	58747	M11	112.0	Onshore Wind Turbine	WHD	WT	(V) Under construction, less than or equal to 50 percent complete
2014	10	58377	OCI Solar Power	IPP	OCI Solar 1	TX	58388	SS16	14.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	10	58489	OCI Solar Power	IPP	OCI Solar 4, LLC	TX	58717	1	39.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete
2014	10	58745	Ortech Neogen Pasadena Cogeneration	Electric CHP	Ortech Neogen Pasadena Cogeneration	CA	58845	M202	14.0	Other	CHP	ST	(V) Under construction, less than or equal to 50 percent complete
2014	10	58579	Silverado Power	IPP	Lancaster Dv Farm Ranch B	CA	58750	LDRB	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete
2014	10	57331	Soitec Solar Development LLC	IPP	Desert Green Solar Farm LLC	CA	57959	1	6.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S0111	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S0118	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S0119	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S0112	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S0113	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57227	S0138	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S0139	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S0140	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S0138	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S0139	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S0140	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S0166	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S0165	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0174	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0175	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0176	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0177	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0178	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0179	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0180	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0181	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0182	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0183	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0184	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0185	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0186	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0187	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0188	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0189	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S0190	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026A	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026B	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026C	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026D	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026E	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026F	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026G	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026H	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026I	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026J	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026K	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026L	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026M	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026N	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026O	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026P	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026Q	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026R	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026S	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026T	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	17	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #2								

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entry ID	Entry Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source	Prime Mover	Status
2014	10	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	10	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48	0.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation
2014	10	59139	Sundiford LLC	IPP	SC-Snowflake-Duncan Road North	CA	59300	S48	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	10	59139	Sundiford LLC	IPP	SC-Snowflake-Duncan Road South	CA	59300	S48	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete
2014	11	57421	BayWa r.e. Wind LLC	IPP	Anderson Wind 1	NM	58939	AND1	3.0	Orestore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2014	11	57421	BayWa r.e. Wind LLC	IPP	Anderson Wind 2	NM	58939	AND2	3.0	Orestore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2014	11	4254	Consumers Energy Co	Electric Utility	Cross Winds Energy Park	MI	58830	CWER	106.4	Orestore Wind Turbine	WIND	WT	(U) Under construction, more than 50 percent complete
2014	11	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	s	25.0	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete
2014	11	58969	Onagato Farm LLC	IPP	Onagato Farm	NC	59102	f	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	11	57414	Elj Llyand Company	Industrial	Liby Technical Center	IN	58805	a	1.0	Oil Ref	PUR	ST	(OT) Other
2014	11	58615	First Solar Energy LLC	IPP	Tatav Solar Farm	CA	57895	TP2A	71.8	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete
2014	11	58615	First Solar Energy LLC	IPP	Tatav Solar Farm	CA	57895	TP2B	149.0	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete
2014	11	58819	Graham Solar Center LLC	IPP	Graham Solar Center LLC	NC	58957	GRAA	4.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	11	7270	Great River Energy	Electric Utility	Sprucehead Station	ND	58786	a	62.0	Conventional Steam Coal	LIG	ST	(U) Under construction, more than 50 percent complete
2014	11	57480	Heritage Garden Wind Farm LLC	IPP	Big Turb Wind Farm, LLC	MI	58991	BTWF	20.0	Orestore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2014	11	58975	Jakana Solar	IPP	Jakana Solar	NC	59170	JMPV0	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2014	11	58980	Leawiston Solar LLC	IPP	Leawiston Solar LLC	NC	59174	SMVP0	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2014	11	12341	MidAmerican Energy Co	Electric Utility	Midwest Wind Project	IA	58888	W8W0	149.8	Orestore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2014	11	58977	MidAmerican Energy Co	Electric Utility	Solar Star 1	CA	59308	S81	97.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	11	58912	Mount Olive Farm LLC	IPP	Mount Olive Farm	NC	59107	f	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	11	58990	NUP Clean Energy Ventures Corporation	IPP	North Run	NJ	59310	NUNV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	11	58489	OCI Solar Power	IPP	OCI Amon 3, LLC	TX	59204	OC3A	5.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	11	56545	Pattern Operators LP	IPP	Pattern Parahade Wind 2 LLC	TX	58720	p	181.7	Orestore Wind Turbine	WIND	WT	(U) Under construction, more than 50 percent complete
2014	11	58980	Regulus Solar LLC	IPP	Regulus Solar Project	CA	57890	PRV4	60.0	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete
2014	11	58979	Recharge Power	IPP	Western Antelope Blue Sky Ranch A	CA	58620	WARSA	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	11	57355	Stephens Ranch Wind Energy LLC	IPP	Stephens Ranch Wind Energy LLC	TX	57983	a	377.5	Orestore Wind Turbine	WIND	WT	(U) Under construction, more than 50 percent complete
2014	11	58979	Windstar Wind LLC	IPP	Windstar Wind	NC	59171	SMVP0	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2014	11	58661	iPower	IPP	Lancaster Life Rock	CA	59262	LRC	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	11	58661	iPower	IPP	Victor Mesa Linda B2	CA	59269	VMLB2	1.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	11	58661	iPower	IPP	Victor Mesa Linda C2	CA	59270	VMLC2	1.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	11	58661	iPower	IPP	Victor Mesa Linda D2	CA	59271	VMLD2	1.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	11	58661	iPower	IPP	Victor Mesa Linda E2	CA	59272	VMLE2	1.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	12	58262	Beltco Inc	IPP	Helen Solar 1	CA	58207	GVV0	1.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2014	12	58262	Beltco Inc	IPP	Helen Solar 2	CA	58208	GVV1	1.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2014	12	58262	Beltco Inc	IPP	Zuni Solar 1	CA	58205	ZNP0	1.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	12	58262	Beltco Inc	IPP	Zuni Solar 2	CA	58206	ZNP1	1.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	12	7977	City of Hamilton - (OH)	Electric Utility	Maldan Hydroelectric Project	OH	58818	a	35.0	Conventional Hydroelectric	WAT	HY	(U) Under construction, more than 50 percent complete
2014	12	7977	City of Hamilton - (OH)	Electric Utility	Maldan Hydroelectric Project	OH	58818	a	35.0	Conventional Hydroelectric	WAT	HY	(U) Under construction, more than 50 percent complete
2014	12	7977	City of Hamilton - (OH)	Electric Utility	Maldan Hydroelectric Project	OH	58818	a	35.0	Conventional Hydroelectric	WAT	HY	(U) Under construction, more than 50 percent complete
2014	12	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	10	21.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	58489	Domion Renewable Energy	IPP	Corcoran Irigation District Solar	CA	59183	PV1	19.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	58489	Domion Renewable Energy	IPP	Madison Farm LLC	TX	59184	PV1	16.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	58489	Domion Renewable Energy	IPP	RE Adams East LLC	CA	58960	a	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	58489	Domion Renewable Energy	IPP	RE Carmack LLC	CA	58983	a	46.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	58489	Domion Renewable Energy	IPP	RE Cambridge LLC	CA	58960	a	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	58489	Domion Renewable Energy	IPP	RE Kansas Solar LLC	CA	58984	a	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	58489	Domion Renewable Energy	IPP	RE Kent South LLC	CA	58991	a	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	58489	Domion Renewable Energy	IPP	RE Old River One LLC	CA	58986	a	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	58489	Domion Renewable Energy	IPP	Selmer Farm LLC	CA	58992	PV1	19.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	56215	EO Climate Renewables N America LLC	IPP	Grandview Wind Farm, LLC	TX	58596	GRVW	200.6	Orestore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2014	12	5900	EDF Renewable Services Inc	IPP	TX Herford Wind	TX	58773	GEN1	200.0	Orestore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2014	12	58970	Ecoplex, Inc	IPP	Canter PV1	CA	59164	CAV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	12	58970	Ecoplex, Inc	IPP	Langley PV1	NC	59158	LANG1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, Not under construction
2014	12	58970	Ecoplex, Inc	IPP	Piscan PV1	NC	59157	PISC1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received, Not under construction
2014	12	58720	Enel North America, Inc	IPP	Keetch Wind	CA	58828	W1	110.0	Orestore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2014	12	49932	Enel North America, Inc	IPP	Courtenay Wind Farm	ND	58658	w1	200.0	Orestore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2014	12	49932	Enel North America, Inc	IPP	South Fork Wind Farm	MN	58991	SFRK1	13.0	Orestore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2014	12	58973	Eneltec Power Systems Inc	IPP	Onyon Energy	CA	59026	ONEN	1.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	59132	Faison Solar LLC	IPP	Faison Solar	NC	59333	FAIS1	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	12	58615	First Solar Energy LLC	IPP	Barilla Solar	TX	58710	BRLA	30.2	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete
2014	12	58784	Furman Ridge Energy, LLC	IPP	Furman Ridge	TX	58927	FR1	180.0	Orestore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2014	12	58810	Greenex LLC	IPP	H00AP Solar One	NC	58943	s	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	57104	Golden Springs Development Company LLC	IPP	Santa Fe Springs Rooftop Solar BLDG H	CA	58913	1	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	57104	Golden Springs Development Company LLC	IPP	Santa Fe Springs Rooftop Solar BLDG M	CA	58913	1	1.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	58412	Headwaters Wind Farm LLC	IPP	Headwaters Wind Farm LLC	IN	58412	a	200.0	Orestore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2014	12	58995	Heliosage LLC	IPP	Abernath Solar Center LLC	NC	58906	ASCL	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	12	58995	Heliosage LLC	IPP	Bosman Solar Center LLC	NC	58903	BSCL	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	12	58995	Heliosage LLC	IPP	Pharmax Solar Center LLC	NC	58908	PSC1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	12	58995	Heliosage LLC	IPP	Harriffe Hill Solar Center LLC	NC	59337	HHS1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	12	58995	Heliosage LLC	IPP	Littfield Solar Center LLC	NC	58909	LSC1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	12	58995	Heliosage LLC	IPP	Rams Horn Solar Center LLC	NC	58910	RSC1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	12	58995	Heliosage LLC	IPP	Upchurch Solar Center LLC	NC	58912	USC1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2014	12	59001	Hollister Solar LLC	IPP	Hollister Solar LLC	CA	59288	PV10	1.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2014	12	15989	Ionbridge Renewables Inc	IPP	Balfon Wind	TX	57927	W1	180.0	Orestore Wind Turbine	WIND	WT	(U) Under construction, more than 50 percent complete
2014	12	57193	K Road Moapa Solar LLC	IPP	K Road Moapa Solar	NV	57959	a	290.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	58911	Kalabiza Solar One LLC	IPP	Kalabiza Solar One	HI	57959	KSI-A	3.0	Solar Thermal with Energy Storage	SUN	CP	(L) Regulatory approvals pending, Not under construction
2014	12	58911	Kalabiza Solar One LLC	IPP	Kalabiza Solar One	HI	57959	KSI-B	3.0	Solar Thermal with Energy Storage	SUN	CP	(L) Regulatory approvals pending, Not under construction
2014	12	58998	Mass Solar, LLC	IPP	Braley Road 2	MA	58880	PV1	2.7	Solar Photovoltaic	SUN	PV	(U) Under construction, more than 50 percent complete
2014	12	58998	Mass Solar, LLC	IPP	Franklin Solar	MA	58883	a	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2014	12	59089	Merced Solar LLC	IPP	Merced Solar LLC	CA	59265	PV3	1.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2014	12	12411	Miami Dade Water & Sewer Dept	Commercial	South District Wastewater Treatment Pl	FL	54624	3A	2.0	Other Waste Biomass	ORG	IG	(U) Under construction, more than 50 percent complete
2014	12	12411	Miami Dade Water & Sewer Dept	Commercial	South District Wastewater Treatment Pl	FL	54624	3A	2.0	Other Waste Biomass	ORG	IG	(U) Under construction, more than 50 percent complete
2014	12	12411	Miami Dade Water & Sewer Dept	Commercial	South District Wastewater Treatment Pl	FL	54624	3A	2.0	Other Waste Biomass	ORG	IG	(U) Under construction, more than 50 percent complete
2014	12	12411	Miami Dade Water & Sewer Dept	Commercial	South District Wastewater Treatment Pl	FL	54624	3A	2.0	Other Waste Biomass	ORG	IG	(U) Under construction, more than 50 percent complete
2014	12	12647	Minnesota Power Inc	Electric Utility	Midwest Wind Project	IA	58888	W8W0	149.8	Orestore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2014	12	58937	MidAmerican Solar LLC	IPP	S								

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entry ID	Entry Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status
2015	4	12670	Missouri 2nd Multi-Par Elec. Ut. Comm	Electric Utility	Fredericktown Energy Center	MO	57944	UNH2	12.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Construction complete, but not yet in commercial operation
2015	4	14077	Diamond Municipal Power Authority	Electric Utility	Charles D. Lamb Energy Center	OK	58325	TV	122.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete
2015	4	58744	Sonne One LLC	IPP	Sonne One	NC	58732	PV1	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58704	Sonne Two LLC	IPP	Sonne Two	NC	58823	PV1	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	59131	Sunbanc Corporation of the Americas	IPP	Manquie Creek Wind	TX	59332	M2CR	211.2	Onshore Wind Turbine	WIND	WT	(U) Under construction, more than 50 percent complete
2015	4	56709	Turning Stone Solar LLC	IPP	Turning Stone Solar	OH	57171	TPS1	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58706	ETRK One LLC	IPP	Rednest Solar Farm	CA	58811	PV-1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58881	Bethel Solar LLC	IPP	Bethel Solar	NC	58173	SMVPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 1	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 2	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 3	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 4	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 5	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 6	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 7	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 8	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 9	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN10	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN11	0.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN1	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN2	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN3	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN4	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN5	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN6	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN7	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN8	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN9	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN10	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN11	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN12	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN13	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN14	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN15	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN16	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN17	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN18	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN19	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN20	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN21	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN22	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN23	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN24	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN25	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN26	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN27	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN28	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN29	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN30	0.1	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending, Not under construction
2015	4	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	F	26.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2015	4	56652	City of Riverside Services, Inc.	Electric Utility	Longwood	CA	58711	GEN1	20.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	4	56615	First Solar Energy LLC	IPP	Lost Hills	CA	58711	BLKW	12.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	56615	First Solar Energy LLC	IPP	Lost Hills	CA	58711	LTHL	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	49830	Invenergy Services LLC	IPP	Electric Utility	TX	58728	ELK1	18.0	Natural Gas Fired Combined Cycle	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	4	49893	Invenergy Services LLC	IPP	Buckeyes Wind Energy Center	KS	58727	F	25.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	4	49893	Invenergy Services LLC	IPP	Buckeyes Wind Energy Center	KS	58727	F	76.3	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	4	49893	Invenergy Services LLC	IPP	Buckeyes Wind Energy Center	KS	58727	F	100.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	4	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58728	F	129.5	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	4	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58728	F	109.2	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	4	49893	Invenergy Services LLC	IPP	Wake Wind Energy Center	TX	58728	F	41.1	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	4	11249	Invenergy Services LLC	Electric Utility	Carne Run	TX	58693	F	64.0	Natural Gas Fired Combined Cycle	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	4	58731	NexEra Wythe Solar Energy Center, LLC	IPP	Wythe Solar Power Project	CA	57273	F	232.0	Solar Thermal without Energy Storage	SUN	ST	(P) Planned for installation, but regulatory approvals not initiated
2015	4	58718	Osage Wind, LLC	IPP	Osage Wind, LLC	OK	58663	F	16.4	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	4	17442	Solar Works Auth of Palm Beach	Electric Utility	Palm Beach Renewable Energy Facility2	FL	57898	GEN2	85.0	Municipal Solid Waste	MSW	WT	(U) Under construction, less than or equal to 50 percent complete
2015	4	58656	ES&K One LLC	IPP	Haworth Solar	CA	58603	PV1	27.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar 2, LLC	NC	58803	NV1	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar 1, LLC	NC	58803	NV2	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar 2, LLC	NC	58803	NV3	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar 1, LLC	NC	58803	NV4	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV1	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV2	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV3	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV4	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV5	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV6	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV7	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV8	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV9	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV10	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV11	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV12	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV13	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV14	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV15	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV16	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV17	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2015	4	58694	Argand Energy Solutions, LLC	IPP	Kearnsville Solar Farm, LLC	NC	58840	NV18	0				

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entry ID	Entry Name	Plant State	Plant Type	Plant Name	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status
2015	6	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending; Not under construction
2015	6	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending; Not under construction
2015	6	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending; Not under construction
2015	6	57331	Sotco Solar Development LLC	IPP	LandEast Solar Farm LLC	CA	57957	1	20.2	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	6	57331	Sotco Solar Development LLC	IPP	LandWest Solar Farm LLC	CA	57958	1	5.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	4	58999	Sonoma Wind Solar Holdings LLC	IPP	Sonoma Wind Solar FGS	CA	58929	1	54.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	6	58600	Walohu North LLC	IPP	Walohu North Solar	HI	58655	INV-1	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	6	58600	Walohu North LLC	IPP	Walohu North Solar	HI	58655	INV-2	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	6	58600	Walohu North LLC	IPP	Walohu North Solar	HI	58655	INV-3	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	6	58600	Walohu North LLC	IPP	Walohu North Solar	HI	58655	INV-4	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	6	58600	Walohu North LLC	IPP	Walohu North Solar	HI	58655	INV-5	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	6	58600	Walohu North LLC	IPP	Walohu North Solar	HI	58655	INV-6	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	6	58600	Walohu North LLC	IPP	Walohu North Solar	HI	58655	INV-7	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	6	58600	Walohu North LLC	IPP	Walohu North Solar	HI	58655	INV-8	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	6	58600	Walohu North LLC	IPP	Walohu North Solar	HI	58655	INV-9	0.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	7	40777	American Mun Power Ohio, Inc.	Electric Utility	Smithard Hydroelectric Plant	KY	57400	SG1	25.3	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete
2015	7	58554	Beryl Solar, LLC	IPP	Beryl Solar Plant	UT	58569	BSF1	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	7	58554	Black Mountain Power Partners	IPP	Black Mountain Wind Farm	UT	58754	BM1	80.0	Oreshore Wind Turbine	WIND	WT	(T) Regulatory approvals received; Not under construction
2015	7	58557	Buckhorn Solar, LLC	IPP	Buckhorn Solar Plant	UT	58600	BSF2	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	7	58558	Castle Valley Solar, LLC	IPP	Castle Valley Solar Plant	UT	58559	CVSP1	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	7	47161	Commodore Power Source Gen	IPP	Perman	MD	1556	GT10	109.8	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending; Not under construction
2015	7	58970	Ecotekus, Inc.	IPP	Thronon PV1	NC	59152	THCR1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	7	58961	Granite Peak Solar, LLC	IPP	Granite Peak Solar Plant	UT	58604	GRSP1	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	7	58960	Greenview Solar, LLC	IPP	Greenview Solar Plant	UT	58603	GVSP1	2.2	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	7	57457	Hess NEG, LLC	IPP	Newark Energy Center	NJ	58079	GT-1	200.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete
2015	7	57457	Hess NEG, LLC	IPP	Newark Energy Center	NJ	58079	GT-2	200.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete
2015	7	57457	Hess NEG, LLC	IPP	Newark Energy Center	NJ	58079	GT-3	200.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete
2015	7	58559	Laho Solar, LLC	IPP	Laho Solar Plant	UT	58602	LSF1	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	7	11208	Los Angeles Department of Water & Power	Commercial	VA Sepulveda Ambulatory Care Center	CA	58249	GEN1	3.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	7	58555	Marathon Solar, LLC	IPP	Marathon Solar Plant	UT	58556	MSF1	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	7	59143	Old Mill Solar	IPP	Old Mill Solar	OR	59374	OMSLR	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	7	57331	Sotco Solar Development LLC	IPP	Tierra Del Sol Solar Farm LLC	CA	57961	1	46.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	8	58857	TOBENA LLC	IPP	Calaisand	CA	59028	GEN1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	8	58814	Black Creek Renewable Energy LLC	IPP	Simpson County Landfill	NC	57402	GEN2	1.6	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete
2015	8	49893	Inverwegy Services LLC	IPP	Essex County Energy Center	TX	58471	ETG1	163.3	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending; Not under construction
2015	8	49893	Inverwegy Services LLC	IPP	Essex County Energy Center	TX	58471	ETG2	163.3	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending; Not under construction
2015	8	49805	Kennecott Utah Copper	Industrial	Kennecott Power Plant	UT	56183	MCPH	5.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete
2015	8	58813	Route 66 Wind Power LLC	IPP	Route 66 Wind Plant	TX	58838	R76P1	160.0	Oreshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2015	8	58872	Shelton Energy Services LLC	IPP	Shelton Wind Farm	TX	58873	SHS1	200.0	Oreshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	8	58896	Siskiyew Power Authority	IPP	Flat Water Wind Farm	NE	57233	WTFG2	10.5	Oreshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2015	8	58887	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN1	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending; Not under construction
2015	8	58887	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending; Not under construction
2015	8	58887	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending; Not under construction
2015	8	58887	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN4	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending; Not under construction
2015	8	58887	Bayles Energy LLC	IPP	Bayles	PA	58816	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending; Not under construction
2015	8	49332	Eneel North America, Inc.	IPP	Musangy Run Wind Project LLC	OK	59070	MWRP	130.0	Oreshore Wind Turbine	WIND	WT	(T) Regulatory approvals received; Not under construction
2015	8	49332	Eneel North America, Inc.	IPP	Origin Wind	MA	58938	WT1	160.0	Oreshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2015	8	57278	Hobson Hills Solar, LLC	IPP	Hobson Hills Solar Plant 2	CA	57958	1	250.0	Solar Thermal without Energy Storage	SUN	ST	(L) Regulatory approvals pending; Not under construction
2015	8	15249	Beonora Renewables Inc.	Electric CHP	Lakeview Generation LLC	OR	57308	GT1	23.0	Other Waste Biomass	OMB	ST	(U) Under construction, less than or equal to 50 percent complete
2015	8	50123	Infigen Asset Management LLC	IPP	Rio Bravo Solar 1 LLC	CA	58249	PV1	18.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	8	50123	Infigen Asset Management LLC	IPP	Wildwood Solar II	CA	58253	PV1	14.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	8	58695	Pio Pico Energy Center LLC	IPP	Alvord Wind Farm LLC	CA	58664	GS1	49.0	Oreshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	8	58695	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57955	CTG1	101.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending; Not under construction
2015	8	58695	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57955	CTG2	101.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending; Not under construction
2015	8	58695	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57955	CTG3	101.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending; Not under construction
2015	8	57331	Sotco Solar Development LLC	IPP	Rugged Solar LLC	CA	57960	1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	8	56709	Tanning Point Solar, LLC	IPP	Tanning Point Solar Plant	CA	57371	TPSP1	49.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2015	8	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFOTe	CA	57164	GEN2	1.6	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated
2015	8	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFOTe	CA	57164	GEN2	1.6	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated
2015	10	58857	Woodmans Solar Farm	IPP	Woodmans Solar Farm	CA	59028	GEN1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	10	19991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10488	GEN 6	40.0	Wood/Wood Waste Biomass	BLD	ST	(OT) Other
2015	10	58780	East Kentucky Power Coop, Inc.	Electric Utility	Green Valley LFOTe	KY	56278	2	0.8	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated
2015	10	58793	Ecotekus, Inc.	IPP	Shelton PV1	NC	59195	SPWV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	10	56298	Evergreen Wind Power II LLC	IPP	Oakfield Wind Project	ME	57020	1	148.0	Oreshore Wind Turbine	WIND	WT	(T) Regulatory approvals received; Not under construction
2015	10	58962	Fair Wind Power Partners	IPP	Fair Wind Farm	MD	59147	1	30.0	Oreshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2015	10	58793	Hudson Ranch Power I LLC	IPP	Hudson Ranch Power I LLC	CA	58213	HRP1	49.0	Geothermal	WIND	WT	(T) Regulatory approvals received; Not under construction
2015	10	58881	Jericho Power, LLC	IPP	Jericho Power	OH	59070	WT 1	15.1	Oreshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	10	26253	Louisiana Energy & Power Authority	Electric Utility	LEPA Unit No. 1	LA	58478	LEPA1	79.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete
2015	10	58849	Marathon North West LLC	IPP	Marathon Renewable Energy Center Phase 1	TX	59003	MAK1	100.0	Oreshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2015	10	13781	Northwestern States Power Co - Minnesota	IPP	Boiler Winds Wind Farm	ND	59200	1	150.0	Oreshore Wind Turbine	WIND	WT	(T) Regulatory approvals received; Not under construction
2015	10	13781	Northwestern States Power Co - Minnesota	IPP	Pleasant Valley Wind Farm	MN	59201	1	200.0	Oreshore Wind Turbine	WIND	WT	(T) Regulatory approvals received; Not under construction
2015	10	58809	Orion Energy Challenge	IPP	Orion Energy Challenge	NC	58638	1	95.0	Other Waste Biomass	OMB	ST	(U) Under construction, less than or equal to 50 percent complete
2015	10	58858	Thunder Spirit Wind, LLC	IPP	Thunder Spirit Wind II	CA	58965	THDR2	150.0	Oreshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	10	54842	WM Renewable Energy LLC	IPP	Waste Management Redwood LFOTe	CA	56299	RED1	2.0	Landfill Gas	LFG	IC	(L) Regulatory approvals pending; Not under construction
2015	10	54842	WM Renewable Energy LLC	IPP	Waste Management Redwood LFOTe	CA	56299	RED2	2.0	Landfill Gas	LFG	IC	(L) Regulatory approvals pending; Not under construction
2015	10	58918	West Star Farm LLC	IPP	West Star Farm LLC	NC	59112	WT 1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2015	11	58874	Carson Mountain Wind LLC	IPP	Carson Mountain Wind	ME	58820	1	22.8	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending; Not under construction
2015	11	59006	EDF Renewable Services Inc.	IPP	Rosewood County	NM	58771	GEN1	300.0	Oreshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	11	58920	Redmon Solar Farm LLC	IPP	Redmon Solar Farm LLC	NC	59114	1	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2015	11	58930	Tangent Energy Solutions	IPP	DD Fayetteville Solar NC LLC	NC	59117	PV1	23.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
2015	11	54906	Tradewind Energy LLC	IPP	Breakersidge Wind Project LLC	OK	58994	BWP1	98.8	Oreshore Wind Turbine	WIND	WT	(T) Regulatory approvals received; Not under construction
2015	11	59056	Tri-Central Energy, LLC	IPP	Fair Wind Farm	TX	59057	FB1	20.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending; Not under construction
2015	12	58794	American Wind Energy Management Corporation	IPP	Sugar Creek Wind One LLC	IL	58924	SUG1	175.0	Oreshore Wind Turbine	WIND	WT	(T) Regulatory approvals received; Not under construction
2015	12	59005	Angus Holdings LLC	IPP	Angus Holdings	NC	59211	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	12	59028	Archie Mountain Wind Farm LLC	IPP	Archie Mountain Wind Farm LLC	CA	59029	GEN1	100.0	Oreshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58680	Ayrshire Holdings, LLC	IPP	Ayrshire	NC	58932	PV1	19.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending; Not under construction
2015	12	5877											

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entry ID	Entry Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status
2015	12	58642	EastKapolei Solar LLC	IPP	EKS Solar Farm	HI	58705	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction
2015	12	49932	Enel North America, Inc.	IPP	Apple Blossom Wind Farm	MI	58690	APLH1	100.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending. Not under construction
2015	12	49932	Enel North America, Inc.	IPP	Goodwood Wind Project, LLC	OK	58690	GW01	200.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received. Not under construction
2015	12	49932	Enel North America, Inc.	IPP	Oak Wind Farm	MN	58692	1	200.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending. Not under construction
2015	12	26096	Energy Unlimited Inc	IPP	Planted Hills IV Wind	CA	59026	1	19.5	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58712	Everpower Wind Holdings Inc.	IPP	Backus Wind Farm	CA	58718	1	200.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received. Not under construction
2015	12	59001	Faison Farm LLC	IPP	Faison Farm	NC	59208	PV1	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction
2015	12	58146	Gaeselec LLC	IPP	Jawbone Wind Project	MT	58175	JWP1	131.1	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2015	12	59023	Garland Farm LLC	IPP	Garland Farm	NC	59029	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction
2015	12	59028	Gaeselec LLC	IPP	Highland Solar Center LLC	NC	59163	HSC1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction
2015	12	58995	Heliosage LLC	IPP	Lake Solar Center LLC	NC	59161	LSC1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received. Not under construction
2015	12	58995	Heliosage LLC	IPP	Highland Solar Center LLC	NC	59163	HSC1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received. Not under construction
2015	12	58995	Heliosage LLC	IPP	Marion Solar Center LLC	NC	59165	MSC1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received. Not under construction
2015	12	58995	Heliosage LLC	IPP	Newton Solar Center LLC	NC	59164	NSC1	40.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received. Not under construction
2015	12	58995	Heliosage LLC	IPP	Phenwood Solar Center LLC	NC	59160	PSC1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received. Not under construction
2015	12	58995	Heliosage LLC	IPP	Tower Solar Center LLC	NC	59159	TSC1	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received. Not under construction
2015	12	59009	Henderson Holdings LLC	IPP	Henderson Holdings	NC	59213	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction
2015	12	15399	Horizon Renewables Inc.	IPP	BI Cabo Wind	NM	59098	1	280.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending. Not under construction
2015	12	56167	Imperial Valley Solar, LLC	IPP	Imperial Valley Solar, LLC	CA	56917	2	400.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction
2015	12	59003	Jackson Solar Farm LLC	IPP	Jackson Solar Farm	NC	59210	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction
2015	12	59010	Lane Sustainability Research LLC	IPP	Milroy South Solar Farm	HI	57252	1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	12	59022	Leonardo Wind 1 LLC	IPP	Leonardo Wind 1 LLC	JA	59228	WT1	3.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	59023	Leonardo Wind 3 LLC	IPP	Leonardo Wind 3 LLC	JA	59229	WT1	3.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	4	66.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	5	66.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	6	66.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	7	66.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated
2015	12	59119	Los Verdes Windpower II, LLC	IPP	Los Verdes Windpower II, LLC	TX	59320	GEN1	2.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	58950	Marsh South LLC	IPP	Marsh Renewable Energy Center Phase 2	TX	59007	MAR 5	99.0	Onshore Wind Turbine	WIND	WT	(U) Planned for installation, but regulatory approvals not initiated
2015	12	58783	Marselles Land and Water Company	IPP	Marselles Lock and Dam Hydro	IL	58903	UNIT1	10.3	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete
2015	12	58783	Marselles Land and Water Company	IPP	Marselles Lock and Dam Hydro	IL	58903	UNIT2	10.3	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete
2015	12	58783	Marselles Land and Water Company	IPP	Marselles Lock and Dam Hydro	IL	58903	UNIT3	10.3	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete
2015	12	58985	Marshall Wind Energy LLC	IPP	Marshall Wind Farm	KS	59004	RPMA	73.8	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	58841	Meadow Lake Wind Farm V LLC	IPP	Meadow Lake Wind Farm V LLC	IN	59238	GEN1	100.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending. Not under construction
2015	12	59027	Michelangelo Wind 1 LLC	IPP	Michelangelo Wind 1 LLC	IA	59232	WT1	3.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	59027	Michelangelo Wind 4 LLC	IPP	Michelangelo Wind 4 LLC	IA	59232	WT1	3.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	58718	Na Pua Makani Power Partners LLC	IPP	Na Pua Makani Wind Project	HI	58727	WT1	25.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending. Not under construction
2015	12	59025	Optimum Wind 3 LLC	IPP	Optimum Wind 3 LLC	IA	59228	WT1	3.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	59024	Optimum Wind 4 LLC	IPP	Optimum Wind 4 LLC	IA	59228	WT1	3.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	59017	Optimum Wind 5 LLC	IPP	Optimum Wind 5 LLC	IA	59223	WT1	3.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	59018	Optimum Wind 6 LLC	IPP	Optimum Wind 6 LLC	IA	59224	WT1	3.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	59019	Optimum Wind 7 LLC	IPP	Optimum Wind 7 LLC	IA	59225	WT1	3.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	59031	Orion Energy Group LLC	IPP	K4 Wind Farm I LLC	IL	58888	K4-1	175.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received. Not under construction
2015	12	58177	Panola Liberty Generation Plant	IPP	Panola Liberty Generation Plant	GA	58420	GEN1	382.5	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete
2015	12	59016	Paradiseburg Windpark LLC	IPP	Paradiseburg Windpark LLC	DE	59022	GEN1	39.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received. Not under construction
2015	12	56545	Pattern Operators LP	IPP	Raley Westfield Wind LLC	NY	57193	WTG1	75.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending. Not under construction
2015	12	56545	Pattern Operators LP	IPP	Texas Gulf Wind 2	TX	56662	1	187.2	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received. Not under construction
2015	12	15446	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	4	173.4	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals received. Not under construction
2015	12	15446	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	6	173.4	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals received. Not under construction
2015	12	15446	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	7	173.4	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals received. Not under construction
2015	12	58900	Red Glen Energy LLC	IPP	Red Glen	PA	58819	GEN1	4.2	Other Natural Gas	NG	CC	(L) Regulatory approvals pending. Not under construction
2015	12	58800	Red Glen Energy LLC	IPP	Red Glen	PA	58819	GEN2	4.2	Other Natural Gas	NG	CC	(L) Regulatory approvals pending. Not under construction
2015	12	58800	Red Glen Energy LLC	IPP	Red Glen	PA	58819	GEN3	4.2	Other Natural Gas	NG	CC	(L) Regulatory approvals pending. Not under construction
2015	12	58800	Red Glen Energy LLC	IPP	Red Glen	PA	58819	GEN4	4.2	Other Natural Gas	NG	CC	(L) Regulatory approvals pending. Not under construction
2015	12	58800	Red Glen Energy LLC	IPP	Red Glen	PA	58819	GEN5	4.2	Other Natural Gas	NG	CC	(L) Regulatory approvals pending. Not under construction
2015	12	59010	Rhubarb One	IPP	Rhubarb One	NC	59016	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction
2015	12	58464	Sequent Renewable Fuels, LLC	Industrial	SPF Solar Fuel to Ethanol Advanced Biorefinery	KS	58917	GEN1	1.0	Other Waste Biomass	WAT	BT	(U) Under construction, less than or equal to 50 percent complete
2015	12	58468	Sunlight Partners	IPP	Angel Solar	NC	58731	PV1	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58468	Sunlight Partners	IPP	Austin Solar	NC	58733	PV1	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58468	Sunlight Partners	IPP	Beatty Solar	NC	58735	PV1	4.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58468	Sunlight Partners	IPP	Carol Jean Solar	NC	59017	GEN1	4.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58468	Sunlight Partners	IPP	Duck Solar	NC	58724	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58468	Sunlight Partners	IPP	Faith Solar	NC	58738	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58468	Sunlight Partners	IPP	Hawkins Solar	NC	58727	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58468	Sunlight Partners	IPP	Maverick Solar	NC	59016	GEN1	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58468	Sunlight Partners	IPP	Nick Solar	NC	58741	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58468	Sunlight Partners	IPP	Olsen Solar	NC	58742	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58468	Sunlight Partners	IPP	Shadow Solar	NC	58744	PV1	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58468	Sunlight Partners	IPP	Star Solar	NC	58746	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58468	Sunlight Partners	IPP	Seward Doyle Wind	KS	58979	SNW1G	200.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending. Not under construction
2015	12	18642	Tennessee Valley Authority	Electric Utility	Watts Bar Nuclear Plant	TN	7722	2	1,122.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete
2015	12	59011	Thuron Holdings	IPP	Thuron Holdings	NC	59217	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction
2015	12	59056	Tri Global Energy, LLC	IPP	Changro Winds	VA	59043	CHANG1	280.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending. Not under construction
2015	12	59056	Tri Global Energy, LLC	IPP	Flavanna	TX	59245	FUVU1	240.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending. Not under construction
2015	12	59056	Tri Global Energy, LLC	IPP	Goodnight	TX	59246	GDND1	240.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending. Not under construction
2015	12	58786	Trine Wind Colorado	IPP	Trine Wind Colorado	CO	59028	1	30.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending. Not under construction
2015	12	56333	Trine Wind Minnesota	IPP	Trine Wind Minnesota	MN	57255	1	40.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received. Not under construction
2015	12	59098	Trine Wind Ohio LLC	IPP	Trine Wind Ohio LLC	OH	59298	NWOH1	100.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals received. Not under construction
2015	12	59098	Trine Wind Ohio LLC	IPP	Trine Wind Ohio LLC	OH	59298	NWOH2	100.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2015	12	58602	Utah Red Hills Renewable Energy Park LLC	IPP	Utah Red Hills Renewable Energy Park	UT	58600	1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals received. Not under construction
2015	12	59021	Virens Wind 3 LLC	IPP	Virens Wind 3 LLC	IA	59230	WT1	3.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	59116	WED Country One, LLC	IPP	WED Country One, LLC	CO	59035	COV1	1.5	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	59108	WED Country Four, LLC	IPP	WED Country 4	RI	59036	WEDC4	1.5	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	59105	WED Country One, LLC	IPP	WED Country 1	RI	59035	WEDC1	0.0	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	59117	WED Country Six, LLC	IPP	WED Country 6	RI	59037	WEDC6	1.5	Onshore Wind Turbine	WIND	WT	(U) Under construction, less than or equal to 50 percent complete
2015	12	59117	WED Country Six, LLC	IPP	WED Country 6	RI	59037	WEDC6	1.5	Onshore Wind			

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entry ID	Entry Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status
2016	12	57003	Arifon Valley Solar Energy LLC	IPP	Arifon Valley Solar Energy I	AZ	57679	AVSE1	126.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2016	12	56771	Black Hills Service Company LLC	IPP	Public Airport Generating Station	CO	56988	GT3	90.0	Natural Gas Fired Combined Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction
2016	12	56533	Bozery Wind Project	IPP	Bozery Wind Project	NE	57268	WT1	49.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	58998	Chapman Ranch Wind LLC	IPP	Chapman Ranch Wind I	TX	58193	CHA1	350.0	Oreshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2016	12	58792	ClearVista Energy LLC	IPP	ClearVista Solar and Wind Farm	CA	58922	CPV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2016	12	58792	ClearVista Energy LLC	IPP	ClearVista Solar and Wind Farm	CA	58922	CPV2	5.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	58840	Copenhagen Wind Farm, LLC	IPP	Copenhagen Wind Farm	NY	58799	CPHGN	79.9	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	58889	Domion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	SST4	40.0	AI/Other	WH	CA	(L) Regulatory approvals pending, Not under construction
2016	12	58889	Domion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	SST5	40.0	AI/Other	WH	CA	(L) Regulatory approvals pending, Not under construction
2016	12	58872	Everpower Wind Holdings Inc	IPP	Albany Wind Farm	NV	58779	WT1	72.5	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	58872	Everpower Wind Holdings Inc	IPP	Cassadaga Wind Farm	NY	58777	WT1	126.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	58872	Everpower Wind Holdings Inc	IPP	Coote Creek Wind Farm	VA	58778	WT1	126.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	58872	Everpower Wind Holdings Inc	IPP	Scotch Ridge Wind Farm	OH	58780	WT1	300.0	Oreshore Wind Turbine	WIND	WT	(T) Regulatory approvals received, Not under construction
2016	12	56883	Gilson County Generation LLC	IPP	Gilson County Generation Station	TN	57778	WT1	371.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated
2016	12	58823	Grande Prairie Wind Farm	IPP	Grande Prairie Wind Farm	NE	58865	WT1	400.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	58695	Helselodge LLC	IPP	Fusion Solar Center LLC	CT	58876	PV1	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received, Not under construction
2016	12	56146	Hidalgo Wind Farm LLC	IPP	Hidalgo Wind Farm LLC	TX	57611	GEN1	160.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	15399	Berndesa Renewables Inc	IPP	Dein Springs	AZ	57620	WT1	300.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	15399	Berndesa Renewables Inc	IPP	Montage Wind Power Facility LLC	OR	59039	WT1	300.0	Oreshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2016	12	15399	Berndesa Renewables Inc	IPP	Tub Wind LLC	GA	57913	WT1	143.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	50123	Indegen Asset Management LLC	IPP	Angaroo Solar LLC	NM	59252	PV1	28.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2016	12	50123	Indegen Asset Management LLC	IPP	Caronch Solar LLC	NM	59251	PV1	24.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2016	12	50123	Indegen Asset Management LLC	IPP	Rio Bravo Solar LLC	CA	59250	PV1	19.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2016	12	49736	Loring Hydro, LLC	Electric CHP	Loring Power Plant	ME	56105	GT1G1	37.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals received, Not under construction
2016	12	49736	Loring Hydro, LLC	Electric CHP	Loring Power Plant	ME	56105	GT1G2	11.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals received, Not under construction
2016	12	56094	Medicine Bow Fuel & Power LLC	IPP	Medicine Bow Fuel & Power LLC	WY	56452	WT1	350.0	Coal Integrated Gasification Combined Cycle	BT	CC	(P) Planned for installation, but regulatory approvals not initiated
2016	12	56973	Milford Wind Corridor Phase III LLC	IPP	Milford Wind Corridor Phase III	UT	57548	WT1	100.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	56973	Milford Wind Corridor Phase III LLC	IPP	Milford Wind Corridor Phase III	UT	57548	WT2	100.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	58217	Navitas Energy LLC	IPP	Navitas South IV LLC	HI	58211	WT1	25.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2016	12	58371	Navitas Energy LLC	IPP	Navitas Solar Power Project	CA	57273	A	126.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2016	12	58371	Navitas Energy LLC	IPP	Navitas Solar Power Project	CA	57273	B	126.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2016	12	58371	Navitas Energy LLC	IPP	Navitas Solar Power Project	CA	57273	C	126.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2016	12	58371	Navitas Energy LLC	IPP	Navitas Solar Power Project	CA	57273	D	110.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2016	12	56676	Pancho Valley Solar LLC	IPP	Pancho Valley Solar Center	CA	57340	A	399.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2016	12	58628	Panorama Wind Farm LLC	IPP	Panorama Wind Farm	WA	58629	WT1	90.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	56424	Quik Block Wind Farm LLC	IPP	Quik Block Wind Farm LLC	WI	57116	GEN1	90.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	58843	Searchlight Wind Energy LLC	IPP	Searchlight Wind	NV	58988	WT1	200.0	Oreshore Wind Turbine	WIND	WT	(T) Regulatory approvals received, Not under construction
2016	12	58979	Solar Power	IPP	Western Antelope Dry Ranch	WAZR	58820	WT1	180.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending, Not under construction
2016	12	59080	Solli Energy Solutions, LLC	IPP	Westside Solar Farm	NC	59238	WEST1	4.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2016	12	27762	Terra Gas Operating Company	IPP	Duke Valley Power Partnership	NV	10681	GEN1	26.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated
2016	12	58556	Tru Energy LLC	IPP	Tru Energy Wind Farm	TX	58547	WT1	240.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2016	12	12916	Two E&K Generation Partners LP	IPP	Two E&K Generating Station	WY	55300	GEN1	275.0	Conventional Steam Coal	WC	ST	(U) Under construction, less than or equal to 50 percent complete
2016	12	58824	Wahau Ridge Wind, LLC	IPP	Wahau Ridge Wind Farm	IL	58834	WT1	210.0	Oreshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2017	1	2087	Bowle Power Station LLC	Electric CHP	Bowle Power Station LLC	AZ	59783	CT1	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2017	1	2087	Bowle Power Station LLC	Electric CHP	Bowle Power Station LLC	AZ	59783	CT2	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2017	1	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58640	RCT1	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received, Not under construction
2017	1	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58640	RCT2	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received, Not under construction
2017	1	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58640	RCT3	8.7	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received, Not under construction
2017	1	18454	Tampa Electric Co	Electric Utility	Pok	FL	7242	ZCC	459.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete
2017	1	18454	Tampa Electric Co	Electric Utility	Pok	FL	7242	ZCC	459.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete
2017	1	20189	Washington Parish Energy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	GT1G1	172.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, more than 50 percent complete
2017	1	20189	Washington Parish Energy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	GT1G2	172.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, more than 50 percent complete
2017	1	20189	Washington Parish Energy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	ST1	215.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, more than 50 percent complete
2017	1	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	GT1G1	200.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2017	1	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	GT1G2	200.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2017	1	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	ST1GEM	316.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending, Not under construction
2017	1	56070	Domion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	WT1	180.0	Oreshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2017	1	58889	Domion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	S501	3.0	Hydrokinetic	WAT	HA	(L) Regulatory approvals pending, Not under construction
2017	1	58889	Domion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	S502	1.3	Hydrokinetic	WAT	HA	(L) Regulatory approvals pending, Not under construction
2017	1	58889	Domion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	S503	1.3	Hydrokinetic	WAT	HA	(L) Regulatory approvals pending, Not under construction
2017	1	49805	Kennecott Utah Copper	Industrial	Kennecott Power Plant	UT	56163	5CTG	176.9	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete
2017	1	17639	South Carolina Electric & Gas Company	Electric Utility	V C Summer	SC	6127	Z	1,160.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete
2017	1	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	WT1	156.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated
2017	1	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	WT2	156.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated
2017	1	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	WT3	4	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated
2017	1	7490	Grand River Dam Authority	Electric Utility	GREC	OK	166	3CT1	24.6	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2017	1	7490	Grand River Dam Authority	Electric Utility	GREC	OK	166	3CT2	191.8	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2017	1	58848	Green Energy Partners LLC	IPP	Shenwell	VA	59004	GEN1	230.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction
2017	1	58848	Green Energy Partners LLC	IPP	Shenwell	VA	59004	GEN2	314.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received, Not under construction
2017	1	3417	Integrize Power and Light Co	Electric Utility	Marshallow Generating Station	VA	59236	CC1	646.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated
2017	1	59111	Crawford Renewable Energy, LLC	IPP	Crawford Renewable Energy - Meadowdale Power Station	PA	59307	MPG	93.5	AI/Other	TDF	ST	(U) Under construction, less than or equal to 50 percent complete
2017	5	5701	El Paso Electric Co	Electric Utility	Monaca Power Station	TX	58562	GT-4	100.0	Natural Gas Fired Combined Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction
2017	5	58937	Entertainment, Inc	IPP	La Paz Solar Tower	AZ	58962	Z	200.0	Solar Thermal without Energy Storage	SUN	OT	(P) Planned for installation, but regulatory approvals not initiated
2017	5	58848	Green Energy Partners LLC	IPP	Shenwell	VA	59004	GEN3	230.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2017	5	59101	NTE Texas, LLC	IPP	Pecan Creek Energy Center	TX	59238	PCCEC1	250.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated
2017	5	40229	Old Dominion Electric Coop	IPP	Wildcat Point	MD	59220	CT1	143.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2017	5	40229	Old Dominion Electric Coop	IPP	Wildcat Point	MD	59220	CT2	143.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2017	5	40229	Old Dominion Electric Coop	IPP	Wildcat Point	MD	59220	ST1	186.5	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending, Not under construction
2017	5	56204	CPV Valley LLC	IPP	CPV Valley Energy Center	NY	56940	CTG2	186.5	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2017	5	56204	CPV Valley LLC	IPP	CPV Valley Energy Center	NY	56940	STG	300.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending, Not under construction
2017	5	7277	Calpine Corporation	IPP	WIS Haines Power Plant	CA	57181	WT1	40.0	Geothermal	GEO	ST	(L) Regulatory approvals pending, Not under construction
2017	5	58959	Freeport LNG Development LP	Industrial	Freeport LP Pretreatment Facility	TX	59140	650GTG	77.5	Natural Gas Fired Combined Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction
2017	5	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	160	B	340.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending, Not under construction
2017	5	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	160	B	340.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending, Not under construction
2017	5	14624	PUD No 2 of Grant County	Electric Utility	Wanapan	WA	3888	4A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated
2017	5	55769	RC C&E May Holdings LLC	IPP	B L England	NJ	2799	WT1	24.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction</

Table 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entry ID	Entry Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status
2017	12	219	Alaska Power and Telephone Co	Electric Utility	Reynolds Creek	AK	59037	GEN 1	5.0	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete
2017	12	803	Arizona Public Service Co	Electric Utility	Coollito	AZ	1716	GT4	104.7	Natural Gas Fired Combined Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated
2017	12	2087	Bowen Power Station LLC	IPP	Bowen Power Station LLC	AZ	55780	CT1	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2017	12	2087	Bowen Power Station LLC	IPP	Bowen Power Station LLC	AZ	55780	CT4	172.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2017	12	2087	Bowen Power Station LLC	Electric CHP	Bowen Power Station LLC	AZ	55780	ST1	181.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending, Not under construction
2017	12	2087	Bowen Power Station LLC	Electric CHP	Bowen Power Station LLC	AZ	55780	ST2	181.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending, Not under construction
2017	12	11208	Los Angeles Department of Water & Power	Electric Utility	Southern Owens Valley Solar Ranch	CA	57304	1	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
2017	12	56949	Pauding Wind Farm LLC	IPP	Pauding Wind Farm LLC	OH	57611	GEN1	49.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2017	12	58442	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	1A	68.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2017	12	56061	Readsport OPT Wave Park	IPP	Readsport OPT Wave Park	OR	57603	1	1.5	Hydrokinetic	WAT	HB	(L) Regulatory approvals pending, Not under construction
2018	1	56794	CE Ossidan Energy LLC	IPP	Black Rock I	CA	57477	G3001	69.0	Geothermal	GEO	ST	(L) Regulatory approvals pending, Not under construction
2018	1	5719	Capline Resources Inc	IPP	Teahach Wind Resource II	CA	58826	PLAN	135.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2018	1	58763	LouisWorks-Summit Ridge I LLC	IPP	Summit Ridge I Wind Farm	OR	58834	SWF2	151.8	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2018	1	54869	WMPV PTV LLC	Industrial	WMPV PTV LLC	PA	56445	1	41.0	Coal Integrated Gasification Combined Cycle	WC	CC	(P) Planned for installation, but regulatory approvals not initiated
2018	2	803	Arizona Public Service Co	Electric Utility	Coollito	AZ	1716	GT5	104.7	Natural Gas Fired Combined Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated
2018	3	803	Arizona Public Service Co	Electric Utility	Coollito	AZ	1716	GT6	104.7	Natural Gas Fired Combined Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated
2018	3	56794	CE Ossidan Energy LLC	IPP	Black Rock II	CA	57478	G3002	69.0	Geothermal	GEO	ST	(L) Regulatory approvals pending, Not under construction
2018	3	56794	CE Ossidan Energy LLC	IPP	Black Rock III	CA	57478	G3002	69.0	Geothermal	GEO	ST	(L) Regulatory approvals pending, Not under construction
2018	3	58767	Wheatbeater Frederick, LLC	IPP	Facility	MD	58875	GEN1	47.0	Municipal Solid Waste	MSW	ST	(T) Regulatory approvals received, Not under construction
2018	4	803	Arizona Public Service Co	Electric Utility	Coollito	AZ	1716	GT7	104.7	Natural Gas Fired Combined Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated
2018	5	56794	CE Ossidan Energy LLC	IPP	Black Rock III	CA	57478	G3003	69.0	Geothermal	GEO	ST	(L) Regulatory approvals pending, Not under construction
2018	5	59123	NTE Carolina, LLC	IPP	Kings Mountain Energy Center	NC	59325	KMEC1	476.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated
2018	5	59124	NTE Ohio LLC	IPP	Midstream Energy Center	OH	59326	MMEC1	525.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated
2018	5	17038	South Carolina Electric&Gas Company	Electric Utility	Y C Summer	SC	8127	3	110.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete
2018	6	2338	Capline Central LP	IPP	Mankato Energy Center	MN	56104	CTG1	200.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated
2018	6	40215	Cordoba Electric Coop, Inc	Electric Utility	Ora	AK	789	1	1.5	Petroleum Liquids	DFO	K	(L) Regulatory approvals pending, Not under construction
2018	6	40215	Cordoba Electric Coop, Inc	Electric Utility	Ora	AK	789	2	1.5	Petroleum Liquids	DFO	K	(L) Regulatory approvals pending, Not under construction
2018	6	14624	PUD No 3 of Grant County	Electric Utility	Wanapan	WA	3888	6A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated
2018	6	19511	University of Alaska	Commercial	University of Alaska Fairbanks	AK	50711	GEN0	17.0	Conventional Steam Coal	SUB	ST	(P) Planned for installation, but regulatory approvals not initiated
2018	7	58851	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59048	ABEC1	158.5	Natural Gas with Compressed Air Storage	NG	CE	(T) Regulatory approvals received, Not under construction
2018	7	58851	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59048	ABEC2	158.5	Natural Gas with Compressed Air Storage	NG	CE	(T) Regulatory approvals received, Not under construction
2018	7	58788	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GT1A	41.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated
2018	7	58788	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GT1G	41.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated
2018	7	58788	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GT1G3	41.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated
2018	7	58788	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GT1G1	41.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated
2018	7	58788	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	ST1G	61.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated
2018	7	54863	U.S. Power Generating Company LLC	IPP	Isonmex Gas Turbine Generating	WY	2494	89	60.0	Natural Gas Fired Combined Turbine	NG	GT	(T) Regulatory approvals received, Not under construction
2018	9	56296	Green Gas Americas, Inc.	IPP	Pioneer Crossing Landfill Gas to Energy	PA	56957	LF08	1.6	Landfill Gas	LFG	K	(T) Regulatory approvals received, Not under construction
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 6	105.3	Natural Gas Fired Combined Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 7	105.3	Natural Gas Fired Combined Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 8	105.3	Natural Gas Fired Combined Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 9	105.3	Natural Gas Fired Combined Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC10	105.3	Natural Gas Fired Combined Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC11	105.3	Natural Gas Fired Combined Turbine	NG	GT	(L) Regulatory approvals pending, Not under construction
2018	12	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	028	40.0	Natural Gas Fired Combined Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated
2018	12	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	030	40.0	Natural Gas Fired Combined Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-1	47.2	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-2	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-3	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-4	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-5	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-6	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-7	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-8	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-9	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-10	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending, Not under construction
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	ST-1	50.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending, Not under construction
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	ST-2	50.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending, Not under construction
2018	12	4003	Phila 66 Potomac City Railway	Industrial	Phila City Railway	OK	52188	GT8	3.0	Other Gas	CO	ST	(P) Planned for installation, but regulatory approvals not initiated
2018	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	1B	813.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2019	4	15473	Public Service Co of NM	Electric Utility	La Luz Energy Center	NM	58204	0002	40.2	Natural Gas Fired Combined Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated
2019	5	18454	Fairfax Electric Co	Electric Utility	Tampa Electric Co NA 2	FL	56353	ABEC1	140.0	Natural Gas Fired Combined Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated
2019	6	14624	PUD No 3 of Grant County	Electric Utility	Wanapan	WA	3888	3A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated
2019	9	59142	Hydrogen Energy California, LLC	Electric CHP	Hydrogen Energy California LLC	CA	59372	HECA1	413.0	Coal Integrated Gasification Combined Cycle	SGC	CS	(L) Regulatory approvals pending, Not under construction
2020	12	56947	Arnsage Ridge Wind Power	IPP	Arnsage Ridge Wind Power	OR	57613	GEN1	305.0	Onshore Wind Turbine	WIND	WT	(T) Regulatory approvals received, Not under construction
2020	12	14384	Blackfoot	Electric Utility	Blackfoot	UT	298	3	39.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated
2020	5	18445	City of Tallahassee - (FL)	Electric Utility	Arush B Hopkins	FL	5868	GT6	46.0	Natural Gas Fired Combined Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated
2020	12	7277	Capline Corporation	IPP	Four Mile Hill	CA	55840	1	49.9	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated
2020	12	7277	Capline Corporation	IPP	Telephone Flat	CA	55846	1	49.9	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	8	1	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	9	1	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated
2020	12	56935	Number Nine Wind Farm LLC	IPP	Number Nine Wind Farm	WI	57612	GEN1	200.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2020	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	8A	780.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2021	4	59297	Power4Georgians LLC	Electric Utility	Park Washington	GA	56675	MAN1	890.0	Conventional Steam Coal	SUB	ST	(T) Regulatory approvals received, Not under construction
2021	12	58442	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	8B	780.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending, Not under construction
2022	1	16572	Salt River Project	Electric Utility	Copper Crossing Gas Station	AZ	58413	CCGS1	91.0	Natural Gas Fired Combined Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated
2022	12	56943	Blackstone Wind Farm III LLC	IPP	Blackstone Wind Farm III	IL	57618	GEN1	200.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2022	12	56944	Blackstone Wind Farm IV LLC	IPP	Blackstone Wind Farm IV	IL	57619	GEN1	100.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2022	12	56245	Simpson Ridge Wind Farm LLC	IPP	Simpson Ridge Wind Farm LLC	WY	57117	GEN 1	50.0	Onshore Wind Turbine	WIND	WT	(P) Planned for installation, but regulatory approvals not initiated
2023	1	16572	Salt River Project	Electric Utility	Copper Crossing Gas Station	AZ	58413	CCGS2	91.0	Natural Gas Fired Combined Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of capacity for some technologies such as solar photovoltaic generation.
Entry ID and Plant ID are official, unique identification numbers assigned by EIA. Generator IDs are assigned by plant owners and/or operators.
Designations for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

Table 6.6. Planned U.S. Electric Generating Unit Retirements

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2014	8	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	9	21.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	9	103.8	Conventional Hydroelectric	WAT	HY
2014	8	14395	Palm Springs City of	Commercial	Municipal Cogen Plant	CA	50674	GEN1	0.6	Other Natural Gas	NG	IC
2014	8	14395	Palm Springs City of	Commercial	Municipal Cogen Plant	CA	50674	GEN2	0.6	Other Natural Gas	NG	IC
2014	8	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN1	14.0	Natural Gas Fired Combined Cycle	NG	CT
2014	8	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN2	12.0	Natural Gas Fired Combined Cycle	NG	CT
2014	8	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN4	10.0	Other Gases	OG	CA
2014	8	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN5	10.0	Other Gases	OG	CA
2014	8	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN6	10.0	Other Gases	OG	CA
2014	8	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN7	10.0	Other Gases	OG	CA
2014	8	20323	Wellhead Services Inc	Electric CHP	Santa Maria Cogen Plant	CA	10733	GEN1	7.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	9	26642	PE Bay Shore LLC	Electric CHP	Entenmanns Energy Center	NY	54541	1	1.3	Other Natural Gas	NG	IC
2014	9	26642	PE Bay Shore LLC	Electric CHP	Entenmanns Energy Center	NY	54541	2	1.3	Other Natural Gas	NG	IC
2014	9	26642	PE Bay Shore LLC	Electric CHP	Entenmanns Energy Center	NY	54541	3	1.3	Other Natural Gas	NG	IC
2014	9	26642	PE Bay Shore LLC	Electric CHP	Entenmanns Energy Center	NY	54541	4	1.3	Petroleum Liquids	DFO	IC
2014	10	56108	Atlas Pipeline Mid Continent WestTex LLC	Industrial	Benedum Plant	TX	54458	BG3A	1.0	Other Natural Gas	NG	IC
2014	10	56108	Atlas Pipeline Mid Continent WestTex LLC	Industrial	Benedum Plant	TX	54458	BG6	1.0	Other Natural Gas	NG	IC
2014	10	17569	City of South Norwalk - (CT)	Electric Utility	South Norwalk Electric	CT	6598	6	1.1	Petroleum Liquids	DFO	IC
2014	10	58185	FirstLight Power Resources, Inc. - MA	IPP	Mount Tom	MA	1806	1	143.6	Conventional Steam Coal	BIT	ST
2014	10	12986	Morton Salt Inc	Industrial	Morton Salt Rittman	OH	54335	GEN1	1.5	Conventional Steam Coal	BIT	ST
2014	11	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	45	0.3	Other Natural Gas	NG	FC
2014	11	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	47	0.3	Other Natural Gas	NG	FC
2014	11	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	50	0.3	Other Natural Gas	NG	FC
2014	11	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	51	0.3	Other Natural Gas	NG	FC
2014	12	10908	City of Lenox - (IA)	Electric Utility	Lenox	IA	1159	2	1.1	Petroleum Liquids	DFO	IC
2014	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	6	45.0	Other Natural Gas	NG	ST
2014	12	5956	Entergy Nuclear Vermont Yankee	IPP	Vermont Yankee	VT	3751	1	604.3	Nuclear	NUC	ST
2014	12	13960	NRG Cabrillo Power Ops Inc	IPP	Kearny	CA	303	KEA1	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	1	100.0	Conventional Steam Coal	BIT	ST
2014	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	2	100.0	Conventional Steam Coal	BIT	ST
2014	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	3	98.0	Conventional Steam Coal	BIT	ST
2014	12	13781	Northern States Power Co - Minnesota	Electric Utility	Alliant Techsystems	MN	7376	1	1.6	Petroleum Liquids	DFO	IC
2014	12	15466	Public Service Co of Colorado	Electric Utility	Zuni	CO	478	2	60.0	Other Natural Gas	NG	ST
2014	12	17166	Sierra Pacific Power Co	Electric Utility	Tracy	NV	2336	ST1	53.0	Other Natural Gas	NG	ST
2014	12	17166	Sierra Pacific Power Co	Electric Utility	Tracy	NV	2336	ST2	83.0	Other Natural Gas	NG	ST
2014	12	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50675	GEN2	2.9	Landfill Gas	LFG	GT
2014	12	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50675	GEN3	2.9	Landfill Gas	LFG	GT
2014	12	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN1	0.8	Landfill Gas	LFG	IC
2014	12	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN3	0.8	Landfill Gas	LFG	IC
2015	1	6204	City of Farmington - (NM)	Electric Utility	Animas	NM	2465	1	3.0	Natural Gas Fired Combined Cycle	NG	CA
2015	1	6204	City of Farmington - (NM)	Electric Utility	Animas	NM	2465	2	3.0	Natural Gas Fired Combined Cycle	NG	CA
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	3	156.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST1	111.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST2	111.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST4	217.0	Conventional Steam Coal	BIT	ST
2015	3	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	3	55960	GreenHunter Energy Inc	IPP	Microwire Resource Recovery Project	CA	50363	L313	15.5	Wood/Wood Waste Biomass	WDS	ST
2015	4	54842	WM Renewable Energy LLC	IPP	Monroe Livingston Gas Recovery	NY	50565	GEN2	0.8	Landfill Gas	LFG	IC
2015	4	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	5	238.0	Conventional Steam Coal	BIT	ST
2015	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	1	23.0	Conventional Steam Coal	BIT	ST
2015	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	2	23.0	Conventional Steam Coal	BIT	ST
2015	4	5580	East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	3	74.0	Conventional Steam Coal	BIT	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Ashtabula	OH	2835	5	244.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	1	132.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	2	132.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	3	132.0	Conventional Steam Coal	SUB	ST
2015	4	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Lake Shore	OH	2838	18	245.0	Conventional Steam Coal	SUB	ST
2015	4	55793	Fusion Paperboard Connecticut LLC	Industrial	Versailles Mill	CT	54657	NO1	14.0	Other Natural Gas	NG	ST
2015	4	7140	Georgia Power Co	Electric Utility	Harlee Branch	GA	709	3	509.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Harlee Branch	GA	709	4	507.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	McManus	GA	715	1	43.0	Petroleum Liquids	RFO	ST
2015	4	7140	Georgia Power Co	Electric Utility	McManus	GA	715	2	79.0	Petroleum Liquids	RFO	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	1	97.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	2	103.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	3	111.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	4	133.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	5	135.0	Conventional Steam Coal	BIT	ST
2015	4	7801	Gulf Power Co	Electric Utility	Scholz	FL	642	1	46.0	Conventional Steam Coal	BIT	ST
2015	4	7801	Gulf Power Co	Electric Utility	Scholz	FL	642	2	46.0	Conventional Steam Coal	BIT	ST
2015	4	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	3	68.0	Conventional Steam Coal	BIT	ST
2015	4	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	4	95.0	Conventional Steam Coal	BIT	ST
2015	4	14354	PacificCorp	Electric Utility	Carbon	UT	3644	67	67.0	Conventional Steam Coal	BIT	ST
2015	4	14354	PacificCorp	Electric Utility	Carbon	UT	3644	2	105.0	Conventional Steam Coal	BIT	ST
2015	5	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	4	155.0	Conventional Steam Coal	BIT	ST
2015	5	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	5	168.0	Conventional Steam Coal	BIT	ST
2015	5	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	6	240.0	Conventional Steam Coal	BIT	ST
2015	5	11713	Marshall City of - (MI)	Electric Utility	Marshall	MI	1844	IC2	0.9	Other Natural Gas	NG	IC
2015	5	11713	Marshall City of - (MI)	Electric Utility	Marshall	MI	1844	IC3	1.9	Other Natural Gas	NG	IC
2015	5	11713	Marshall City of - (MI)	Electric Utility	Marshall	MI	1844	IC4	0.7	Petroleum Liquids	DFO	IC
2015	5	11713	Marshall City of - (MI)	Electric Utility	Marshall	MI	1844	IC5	1.4	Other Natural Gas	NG	IC
2015	5	12647	Minnesota Power Inc	Electric Utility	Taconite Harbor Energy Center	MN	10075	GEN3	83.6	Conventional Steam Coal	SUB	ST
2015	5	17235	NRG REMA LLC	IPP	Gilbert	NJ	2393	C1	20.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Gilbert	NJ	2393	C2	22.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Gilbert	NJ	2393	C3	22.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Gilbert	NJ	2393	C4	22.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	1	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	2	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	3	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	4	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	5	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	6	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	7	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	8	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Werner	NJ	2385	GT1	46.0	Petroleum Liquids	DFO	GT
2015	5	17235	NRG REMA LLC	IPP	Werner	NJ	2385	GT2	46.0	Petroleum Liquids	DFO	GT
2015	5	17235	NRG REMA LLC	IPP	Werner	NJ	2385	GT3	46.0	Petroleum Liquids	DFO	GT
2015	5	17235	NRG REMA LLC	IPP	Werner	NJ	2385	GT4	46.0	Petroleum Liquids	DFO	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	121	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	122	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	123	46.0	Natural Gas Fired Combustion Turbine	NG	GT

Table 6.6. Planned U.S. Electric Generating Unit Retirements

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	6	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	3	205.0	Conventional Steam Coal	BIT	ST
2015	6	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	4	205.0	Conventional Steam Coal	BIT	ST
2015	6	58620	AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	5	585.0	Conventional Steam Coal	BIT	ST
2015	6	58620	AEP Generation Resources Inc	Electric Utility	Picway	OH	2843	5	95.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Clinch River	VA	3775	3	230.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	5	90.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	6	235.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	1	200.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	2	200.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	1	145.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	2	145.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	3	145.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	4	145.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	1	58.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	2	55.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	3	63.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	5	63.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	6	63.0	Conventional Steam Coal	BIT	ST
2015	6	3542	Duke Energy Ohio Inc	Electric Utility	Miami Fort	OH	2832	6	163.0	Conventional Steam Coal	BIT	ST
2015	6	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckford	OH	2830	6	414.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	1	145.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	2	145.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	3	200.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	4	500.0	Conventional Steam Coal	BIT	ST
2015	6	22053	Kentucky Power Co	Electric Utility	Big Sandy	KY	1353	2	800.0	Conventional Steam Coal	BIT	ST
2015	6	15147	PSEG Fossil LLC	IPP	Bergen Generating Station	NJ	2398	3	21.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	111	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	112	46.4	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	113	46.1	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	114	42.2	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	8	22.7	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	11	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	12	43.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	13	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	14	42.1	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	21	43.1	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	22	42.1	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	23	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	24	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	31	43.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	32	43.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	33	43.8	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	34	43.7	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	101	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	102	42.9	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	103	42.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	104	44.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	111	46.9	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	112	47.7	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	113	46.7	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	114	46.8	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Mercer Generating Station	NJ	2408	3	115.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG National Park Generating Station	NJ	2409	1	21.0	Petroleum Liquids	KER	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Seawen Generating Station	NJ	2411	6	105.0	Petroleum Liquids	KER	GT
2015	6	15478	PSEG Nuclear LLC	IPP	PSEG Salem Generating Station	NJ	2410	3	38.4	Petroleum Liquids	DFO	GT
2015	6	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2015	6	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2015	6	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2015	6	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	2	1.6	Conventional Hydroelectric	WAT	HY
2015	6	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS1	0.9	Conventional Hydroelectric	WAT	HY
2015	6	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS2	0.9	Conventional Hydroelectric	WAT	HY
2015	6	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS3	0.9	Conventional Hydroelectric	WAT	HY
2015	6	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS4	0.9	Conventional Hydroelectric	WAT	HY
2015	6	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS5	0.9	Conventional Hydroelectric	WAT	HY
2015	6	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS6	0.9	Conventional Hydroelectric	WAT	HY
2015	6	54842	WM Renewable Energy LLC	IPP	New Milford Gas Recovery	CT	50564	GEN4	0.8	Landfill Gas	LF	IC
2015	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	8	103.8	Conventional Hydroelectric	WAT	HY
2015	9	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC1	2.0	Petroleum Liquids	DFO	IC
2015	9	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC2	2.0	Petroleum Liquids	DFO	IC
2015	9	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC3	2.0	Petroleum Liquids	DFO	IC
2015	9	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC4	2.0	Petroleum Liquids	DFO	IC
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN1	4.0	Wood/Wood Waste Biomass	BL	ST
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN2	4.0	Wood/Wood Waste Biomass	BL	ST
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN3	7.5	Wood/Wood Waste Biomass	BL	ST
2015	10	1991	Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN4	7.5	Wood/Wood Waste Biomass	BL	ST
2015	10	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	GT1	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	10	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	GT2	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	10	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	7	23.2	Other Natural Gas	NG	ST
2015	10	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 2	0.5	Conventional Steam Coal	BIT	ST
2015	10	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC 3	0.6	Conventional Steam Coal	BIT	ST
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curran Advncd Wastewater Plant	FL	54347	1	0.5	Other Waste Biomass	OBG	IC
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curran Advncd Wastewater Plant	FL	54347	2	0.5	Other Waste Biomass	OBG	IC
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curran Advncd Wastewater Plant	FL	54347	3	0.5	Other Waste Biomass	OBG	IC
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curran Advncd Wastewater Plant	FL	54347	4	0.5	Other Waste Biomass	OBG	IC
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curran Advncd Wastewater Plant	FL	54347	5	0.5	Other Waste Biomass	OBG	IC
2015	11	52	ACE Cogeneration Co	Electric CHP	ACE Cogeneration Facility	CA	10002	GEN1	101.2	Conventional Steam Coal	BIT	ST
2015	12	195	Alabama Power Co	Electric Utility	Holt Dam	AL	12	1	45.0	Conventional Hydroelectric	WAT	HY
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	ALBA	0.3	Conventional Hydroelectric	WAT	HY
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	ALBD	0.4	Conventional Hydroelectric	WAT	HY
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	NONO	0.5	Conventional Hydroelectric	WAT	HY
2015	12	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN7	95.0	Natural Gas Fired Combined Cycle	NG	CT
2015	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	2	76.0	Other Natural Gas	NG	ST
2015	12	8287	Hawaii Electric Light Co Inc	Electric Utility	Shipman	HI	6478	3	7.5	Petroleum Liquids	RFO	ST
2015	12	8287	Hawaii Electric Light Co Inc	Electric Utility	Shipman	HI	6478	4	7.5	Petroleum Liquids	RFO	ST
2015	12	11206	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	3	445.0	Other Natural Gas	NG	ST
2015	12	13960	NRG Cabrillo Power Ops Inc	IPP	El Cajon	CA	301	EN01	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	13960	NRG Cabrillo Power Ops Inc	IPP	Keamy	CA	303	KEA2	59.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	13960	NRG Cabrillo Power Ops Inc	IPP	Keamy	CA	303	KEA3	61.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	13960	NRG Cabrillo Power Ops Inc	IPP	Miramar	CA	305	MRGT	36.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	3	79.0	Conventional Steam Coal	SUB	ST
2015	12	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	4	153.0	Conventional Steam Coal	SUB	ST
2015	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN1	1.6	Other Natural Gas	NG	ST
2015	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN2	1.6	Other Natural Gas	NG	ST
2015	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN4	5.2	Other Natural Gas	NG	ST
2015	12	14795	Perdue Agribusiness	Industrial	Oilseed Plant	VA	10515	GEN1	1.6	Conventional Steam Coal	BIT	ST
2015	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	3	152.0	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	1	6.6	Conventional Steam Coal	BIT	ST

Table 6.6. Planned U.S. Electric Generating Unit Retirements

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	2	7.0	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	3	20.0	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	4	46.4	Conventional Steam Coal	BIT	ST
2015	12	57302	Sonoco Products Co	Industrial	Sonoco Products Co	SC	57919	2	2.5	Other Natural Gas	NG	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	John Sewier	TN	3405	3	176.0	Conventional Steam Coal	BIT	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	John Sewier	TN	3405	4	176.0	Conventional Steam Coal	BIT	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	10	141.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	5	107.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	6	107.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	7	141.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	8	141.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	9	141.0	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Edgewater	WI	4050	3	47.2	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Nelson Dewey Generating Station	WI	4054	1	103.1	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Nelson Dewey Generating Station	WI	4054	2	103.1	Conventional Steam Coal	SUB	ST
2016	1	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	9	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	1	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	1	170.0	Conventional Steam Coal	SUB	ST
2016	3	6456	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	1	370.0	Conventional Steam Coal	BIT	ST
2016	3	6456	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	2	499.0	Conventional Steam Coal	BIT	ST
2016	4	803	Arizona Public Service Co	Electric Utility	Cholla	AZ	113	2	260.0	Conventional Steam Coal	SUB	ST
2016	4	5416	Duke Energy Carolinas, LLC	Electric Utility	W S Lee	SC	3264	1	100.0	Conventional Steam Coal	BIT	ST
2016	4	5416	Duke Energy Carolinas, LLC	Electric Utility	W S Lee	SC	3264	2	100.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	2	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	3	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	4	85.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	5	95.0	Conventional Steam Coal	BIT	ST
2016	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	6	318.0	Conventional Steam Coal	BIT	ST
2016	4	7140	Georgia Power Co	Electric Utility	Harlee Branch	GA	709	1	266.0	Conventional Steam Coal	BIT	ST
2016	4	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	2	52.0	Conventional Steam Coal	BIT	ST
2016	4	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	3	101.0	Conventional Steam Coal	BIT	ST
2016	4	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	4	115.0	Other Natural Gas	NG	ST
2016	4	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	ST1	48.0	Conventional Steam Coal	BIT	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	George Neal North	IA	1091	1	134.3	Conventional Steam Coal	SUB	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	1	37.4	Conventional Steam Coal	SUB	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	2	80.8	Conventional Steam Coal	SUB	ST
2016	4	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	4	103.8	Conventional Hydroelectric	WAT	HY
2016	4	15474	Public Service Co of Oklahoma	Electric Utility	Northeastern	OK	2963	4	460.0	Conventional Steam Coal	SUB	ST
2016	4	17698	Southwestern Electric Power Co	Electric Utility	Welsh	TX	6139	2	528.0	Conventional Steam Coal	SUB	ST
2016	5	6456	Duke Energy Florida, Inc	Electric Utility	Avon Park	FL	624	P1	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6456	Duke Energy Florida, Inc	Electric Utility	Avon Park	FL	624	P2	24.0	Petroleum Liquids	DFO	GT
2016	5	6456	Duke Energy Florida, Inc	Electric Utility	G E Turner	FL	629	P1	10.0	Petroleum Liquids	DFO	GT
2016	5	6456	Duke Energy Florida, Inc	Electric Utility	G E Turner	FL	629	P2	10.0	Petroleum Liquids	DFO	GT
2016	5	6456	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P1	20.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6456	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P2	25.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6456	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P3	30.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6456	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P4	30.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6456	Duke Energy Florida, Inc	Electric Utility	Rio River	FL	637	P1	12.0	Petroleum Liquids	DFO	GT
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	2	39.0	Petroleum Liquids	DFO	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	3	40.0	Conventional Steam Coal	BIT	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	4	56.0	Conventional Steam Coal	BIT	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	5	62.0	Conventional Steam Coal	BIT	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	6	99.0	Conventional Steam Coal	BIT	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	IC1	3.0	Petroleum Liquids	DFO	IC
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	ST1	39.0	Petroleum Liquids	DFO	ST
2016	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	7	38.0	Conventional Steam Coal	SUB	ST
2016	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	8	54.0	Conventional Steam Coal	SUB	ST
2016	8	14534	City of Pasadena - (CA)	Electric Utility	Broadway	CA	420	B3	71.0	Other Natural Gas	NG	ST
2016	8	57322	Naval Facilities Engineering Command	Commercial	Goddard Steam Plant	MD	57944	1	5.0	Conventional Steam Coal	BIT	ST
2016	8	57322	Naval Facilities Engineering Command	Commercial	Goddard Steam Plant	MD	57944	2	5.0	Conventional Steam Coal	BIT	ST
2016	8	18125	Stillwater Utilities Authority	Electric Utility	Boomer Lake Station	OK	3000	1	11.5	Other Natural Gas	NG	ST
2016	8	18125	Stillwater Utilities Authority	Electric Utility	Boomer Lake Station	OK	3000	2	13.0	Other Natural Gas	NG	ST
2016	12	195	Alabama Power Co	Electric Utility	Gorgas	AL	8	6	103.0	Conventional Steam Coal	BIT	ST
2016	12	4045	City of Columbia - (MO)	Electric Utility	Columbia	MO	2123	5	16.5	Conventional Steam Coal	BIT	ST
2016	12	49756	Illinois Power Resources Generating LLC	Electric Utility	E D Edwards	IL	856	1	95.0	Conventional Steam Coal	SUB	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington	IA	1104	GT1	14.4	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington	IA	1104	GT2	13.7	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington	IA	1104	GT3	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington	IA	1104	GT4	14.8	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	1	2.1	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	2	1.8	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	3	1.8	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT1	24.4	Petroleum Liquids	DFO	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT2	25.1	Petroleum Liquids	DFO	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubique	IA	1046	3	30.9	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubique	IA	1046	4	35.9	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubique	IA	1046	IC1	2.1	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubique	IA	1046	IC2	1.6	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	1	12.7	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	3	76.6	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	1	25.9	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	2	20.4	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Hills	MN	1889	1	2.0	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Hills	MN	1889	2	0.0	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Lansing	IA	1047	IC1	1.2	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Lansing	IA	1047	IC2	1.1	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	1	28.3	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	3	78.7	Other Natural Gas	NG	ST
2017	1	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	1	47.7	Conventional Steam Coal	SUB	ST
2017	1	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	2	50.6	Conventional Steam Coal	SUB	ST
2017	1	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	1	159.0	Conventional Steam Coal	BIT	ST
2017	1	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	2	164.0	Conventional Steam Coal	BIT	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	5	55.0	Conventional Steam Coal	BIT	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	6	55.0	Conventional Steam Coal	BIT	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	7	78.0	Conventional Steam Coal	SUB	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	8	78.0	Conventional Steam Coal	SUB	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	9	78.0	Conventional Steam Coal	SUB	ST
2017	2	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	6	103.8	Conventional Hydroelectric	WAT	HY
2017	3	18445	City of Tallahassee - (FL)	Electric Utility	Avyah B Hopkins	FL	698	GT2	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	3	15452	PSEG Power Connecticut LLC	IPP	Bridgeport Station	CT	588	4	16.0	Petroleum Liquids	KER	GT
2017	6	11820	Massachusetts Inst of Tech	Commercial	Mass Inst Tech Cntrl Utilities/Cogen Plt	MA	54907	CTG1	19.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	10	5677	EO-Waste Energy Services Inc	Electric CHP	EO Waste Energy Services	MI	50077	CAT1	0.5	Landfill Gas	LFG	IC
2017	10	5677	EO-Waste Energy Services Inc	Electric CHP	EO Waste Energy Services	MI	50077	CAT2	0.3	Landfill Gas	LFG	IC
2017	10	5677	EO-Waste Energy Services Inc	Electric CHP	EO Waste Energy Services	MI	50077	CAT3	0.3	Landfill Gas	LFG	IC
2017	10	5677	EO-Waste Energy Services Inc	Electric CHP	EO Waste Energy Services	MI	50077	CAT4	0.3	Landfill Gas	LFG	IC
2017	10	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	1	8.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	10	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	2	8.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	10	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	3	13.0	Natural Gas Fired Combustion Turbine	NG	GT

Table 6.6. Planned U.S. Electric Generating Unit Retirements

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2017	10	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	4	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	195	Alabama Power Co	Electric Utility	Gorgas	AL	8	7	104.0	Conventional Steam Coal	BIT	ST
2017	12	463	Ameresco LFG I Inc	IPP	Al Turi	NY	10549	3010	0.8	Landfill Gas	LFG	IC
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	4	83.0	Natural Gas Fired Combined Cycle	NG	CA
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT1	72.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT2	72.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	7	46.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	2	104.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	3	110.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	4	300.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	5	330.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	GT1	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	ST1	106.0	Other Natural Gas	NG	ST
2017	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	4	255.0	Conventional Steam Coal	BIT	ST
2017	12	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	3	103.8	Conventional Hydroelectric	WAT	HY
2017	12	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	2	340.0	Conventional Steam Coal	BIT	ST
2017	12	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	3	497.0	Conventional Steam Coal	BIT	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	1	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	2	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	3	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	4	107.0	Conventional Steam Coal	SUB	ST
2018	1	12541	City of Milford - (IA)	Electric Utility	Milford	IA	1164	1	0.6	Petroleum Liquids	DFO	IC
2018	1	12541	City of Milford - (IA)	Electric Utility	Milford	IA	1164	4	0.5	Petroleum Liquids	DFO	IC
2018	1	17891	City of St Marys - (OH)	Electric Utility	St Marys	OH	2942	7	12.0	Petroleum Liquids	DFO	GT
2018	1	15466	Public Service Co of Colorado	Electric Utility	Valmont	CO	477	5	184.0	Conventional Steam Coal	BIT	ST
2018	2	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	GT1	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	1	28.0	Petroleum Liquids	RFO	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	2	29.0	Petroleum Liquids	RFO	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	3	71.0	Petroleum Liquids	RFO	ST
2018	6	9397	International Turbine Res Inc	IPP	Dinosaur Point	CA	10005	WTGS	17.0	Onshore Wind Turbine	WND	WT
2018	7	7308	Hawkeye Energy Greenport LLC	IPP	Hawkeye Energy Greenport LLC	NY	55969	U-01	52.5	Petroleum Liquids	KER	GT
2018	9	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	GT2	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	1	113.0	Other Natural Gas	NG	ST
2018	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	1	76.0	Other Natural Gas	NG	ST
2018	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	2	76.0	Other Natural Gas	NG	ST
2018	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	3	107.0	Other Natural Gas	NG	ST
2018	12	17539	South Carolina Electric&Gas Company	Electric Utility	McMekin	SC	3287	1	125.0	Conventional Steam Coal	BIT	ST
2018	12	17539	South Carolina Electric&Gas Company	Electric Utility	McMekin	SC	3287	2	125.0	Conventional Steam Coal	BIT	ST
2018	12	20856	Wisconsin Power & Light Co	Electric Utility	Edgewater	WI	4050	4	297.1	Conventional Steam Coal	SUB	ST
2019	1	17166	Sierra Pacific Power Co	Electric Utility	Gabbs	NV	6514	1	2.7	Petroleum Liquids	DFO	IC
2019	1	17166	Sierra Pacific Power Co	Electric Utility	Gabbs	NV	6514	2	2.7	Petroleum Liquids	DFO	IC
2019	5	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	GT3	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	1	2.0	Petroleum Liquids	DFO	IC
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	2	2.0	Petroleum Liquids	DFO	IC
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	3	2.0	Petroleum Liquids	DFO	IC
2019	12	195	Alabama Power Co	Electric Utility	Barry	AL	3	1	138.0	Conventional Steam Coal	BIT	ST
2019	12	195	Alabama Power Co	Electric Utility	Barry	AL	3	2	137.0	Conventional Steam Coal	BIT	ST
2019	12	195	Alabama Power Co	Electric Utility	Gadsden	AL	7	1	64.0	Conventional Steam Coal	BIT	ST
2019	12	195	Alabama Power Co	Electric Utility	Gadsden	AL	7	2	66.0	Conventional Steam Coal	BIT	ST
2019	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	1	74.0	Other Natural Gas	NG	ST
2019	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	3	102.0	Other Natural Gas	NG	ST
2019	12	55951	Exelon Nuclear	IPP	Oyster Creek	NJ	2388	1	614.5	Nuclear	NUC	ST
2020	1	21622	The University of Texas at Dallas	Commercial	University of Texas at Dallas	TX	54607	GEN1	3.5	Other Natural Gas	NG	IC
2020	3	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	1	76.0	Other Natural Gas	NG	ST
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL00	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL01	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL02	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL03	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL04	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL05	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL06	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL07	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL08	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL09	0.1	Other Waste Biomass	OBG	FC
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	1	174.0	Other Natural Gas	NG	ST
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	2	177.0	Other Natural Gas	NG	ST
2020	12	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	2	58.0	Conventional Steam Coal	SUB	ST
2020	12	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	3	80.0	Conventional Steam Coal	SUB	ST
2020	12	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	D1	0.2	Petroleum Liquids	DFO	IC
2020	12	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	D2	0.1	Petroleum Liquids	DFO	IC
2020	12	15246	Portland General Electric Co	Electric Utility	Boardman	OR	6106	1	585.0	Conventional Steam Coal	SUB	ST
2020	12	19029	TransAlta Centralia Gen LLC	IPP	TransAlta Centralia Generation	WA	3845	1	670.0	Conventional Steam Coal	SUB	ST
2020	12	19148	Veeva Energy Trenton LP	Commercial	Veeva Energy Trenton LP	NJ	50094	7214	0.1	Other Natural Gas	NG	IC
2021	5	58435	Collinwood BioEnergy	Industrial	Collinwood BioEnergy Facility	OH	58439	CBE01	1.0	Other Waste Biomass	OBG	IC
2021	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	2	113.0	Other Natural Gas	NG	ST
2021	12	12686	Mississippi Power Co	Electric Utility	Sweatt	MS	2048	1	46.0	Other Natural Gas	NG	ST
2021	12	12686	Mississippi Power Co	Electric Utility	Sweatt	MS	2048	2	46.0	Other Natural Gas	NG	ST
2021	12	17166	Sierra Pacific Power Co	Electric Utility	North Valmy	NV	8224	1	254.0	Conventional Steam Coal	BIT	ST
2022	8	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	1	75.0	Other Natural Gas	NG	ST
2022	9	177	AES Hawaii Inc	Electric CHP	AES Hawaii	HI	10673	GEN1	180.0	Conventional Steam Coal	BIT	ST
2023	1	11135	City of Logan - (UT)	Electric Utility	Hydro II	UT	3675	HY1	0.7	Conventional Hydroelectric	WAT	HY
2023	1	11135	City of Logan - (UT)	Electric Utility	Hydro III	UT	3675	HY2	0.7	Conventional Hydroelectric	WAT	HY
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTA	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTB	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTC	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTM	19.9	Natural Gas Fired Combined Cycle	NG	CA
2034	4	58944	Enerparc CA 1, LLC	IPP	Enerparc CA 1, LLC	CA	59122	ECA11	1.5	Solar Photovoltaic	SUN	PV
2036	7	2338	Calpine Central LP	IPP	Mankato Energy Center	MN	56104	CTG2	160.0	Natural Gas Fired Combined Cycle	NG	CT
2036	7	2338	Calpine Central LP	IPP	Mankato Energy Center	MN	56104	STG1	140.0	Natural Gas Fired Combined Cycle	NG	CA

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of capacity for some technologies such as solar photovoltaic generation.

Entity ID and Plant ID are official, unique identification numbers assigned by EIA. Generator IDs are assigned by plant owners and/or operators.

Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

Table 6.7.A. Capacity Factors for Utility Scale Generators Primarily Using Fossil Fuels, January 2008-July 2014

Period	Coal	Natural Gas				Petroleum			
		Natural Gas Fired Combined Cycle	Natural Gas Fired Combustion Turbine	Steam Turbine	Internal Combustion Engine	Steam Turbine	Petroleum Liquids Fired Combustion Turbine	Internal Combustion Engine	
Annual Factors									
2008	73.4%	40.1%	5.2%	12.4%	4.8%	15.6%	1.5%	2.2%	
2009	65.1%	39.8%	4.5%	11.2%	4.8%	14.5%	1.6%	2.3%	
2010	67.9%	43.8%	5.2%	11.4%	4.8%	13.5%	1.9%	2.0%	
2011	63.7%	43.6%	5.1%	12.4%	7.3%	12.0%	1.2%	2.2%	
2012	56.7%	51.1%	6.0%	12.8%	5.5%	12.8%	1.2%	2.0%	
2013	59.7%	46.5%	4.1%	10.7%	21.5%	11.7%	0.9%	6.7%	
2012									
January	56.9%	48.4%	3.3%	6.2%	5.3%	9.8%	0.6%	2.2%	
February	53.8%	51.7%	3.4%	6.9%	5.3%	8.7%	0.5%	1.8%	
March	46.5%	46.5%	4.4%	9.6%	5.5%	11.0%	0.8%	2.0%	
April	44.1%	46.2%	6.3%	15.3%	6.0%	13.5%	1.0%	2.1%	
May	51.5%	51.0%	7.4%	15.2%	5.3%	14.4%	1.5%	2.0%	
June	60.1%	57.7%	8.0%	18.0%	6.2%	14.9%	1.5%	1.9%	
July	70.6%	64.5%	14.3%	22.3%	6.8%	19.5%	3.0%	2.2%	
August	67.2%	63.5%	8.4%	22.5%	6.2%	16.8%	1.9%	2.1%	
Sept	57.3%	55.6%	5.8%	13.1%	5.4%	13.7%	1.2%	2.3%	
October	53.8%	45.8%	3.5%	9.9%	4.6%	11.9%	0.8%	2.1%	
November	58.8%	40.1%	4.0%	8.9%	4.7%	10.6%	0.6%	1.9%	
December	58.9%	41.9%	2.9%	6.1%	4.9%	8.6%	0.7%	2.1%	
2013									
January	60.8%	44.8%	2.6%	7.2%	14.6%	10.0%	0.4%	5.7%	
February	60.7%	45.0%	2.3%	6.6%	16.0%	9.6%	0.3%	4.6%	
March	57.4%	42.3%	3.3%	6.7%	21.4%	9.7%	0.2%	5.3%	
April	51.4%	38.4%	3.5%	7.6%	25.0%	10.7%	0.7%	8.3%	
May	53.1%	39.7%	3.7%	9.7%	19.2%	12.4%	0.8%	5.6%	
June	63.7%	49.3%	4.5%	15.1%	25.0%	14.5%	0.9%	5.0%	
July	67.9%	56.8%	8.0%	18.6%	29.4%	17.7%	2.3%	8.7%	
August	66.4%	58.3%	6.2%	18.0%	32.2%	13.9%	1.1%	9.6%	
Sept	61.3%	51.0%	4.9%	14.2%	22.7%	13.3%	1.5%	6.7%	
October	54.0%	43.2%	3.2%	8.7%	19.7%	11.6%	0.9%	7.3%	
November	56.2%	43.2%	3.2%	7.3%	13.2%	6.8%	0.7%	6.7%	
December	63.7%	46.1%	3.5%	8.5%	19.1%	9.8%	0.7%	6.6%	
2014									
January	70.6%	45.7%	6.2%	9.4%	16.7%	19.0%	3.6%	7.0%	
February	71.2%	41.2%	4.0%	8.6%	22.2%	12.2%	0.8%	6.0%	
March	61.2%	38.5%	4.2%	6.8%	16.3%	13.7%	1.1%	5.5%	
April	50.6%	39.2%	3.2%	6.8%	21.7%	9.5%	0.5%	4.7%	
May	53.9%	43.8%	4.5%	9.4%	20.4%	10.6%	0.6%	9.3%	
June	64.3%	50.1%	4.8%	11.0%	16.9%	15.0%	0.9%	7.0%	
July	67.9%	56.6%	5.4%	14.6%	23.7%	16.2%	1.1%	8.7%	

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary.

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

Table 6.7.B. Capacity Factors for Utility Scale Generators Not Primarily Using Fossil Fuels, January 2008-July 2014

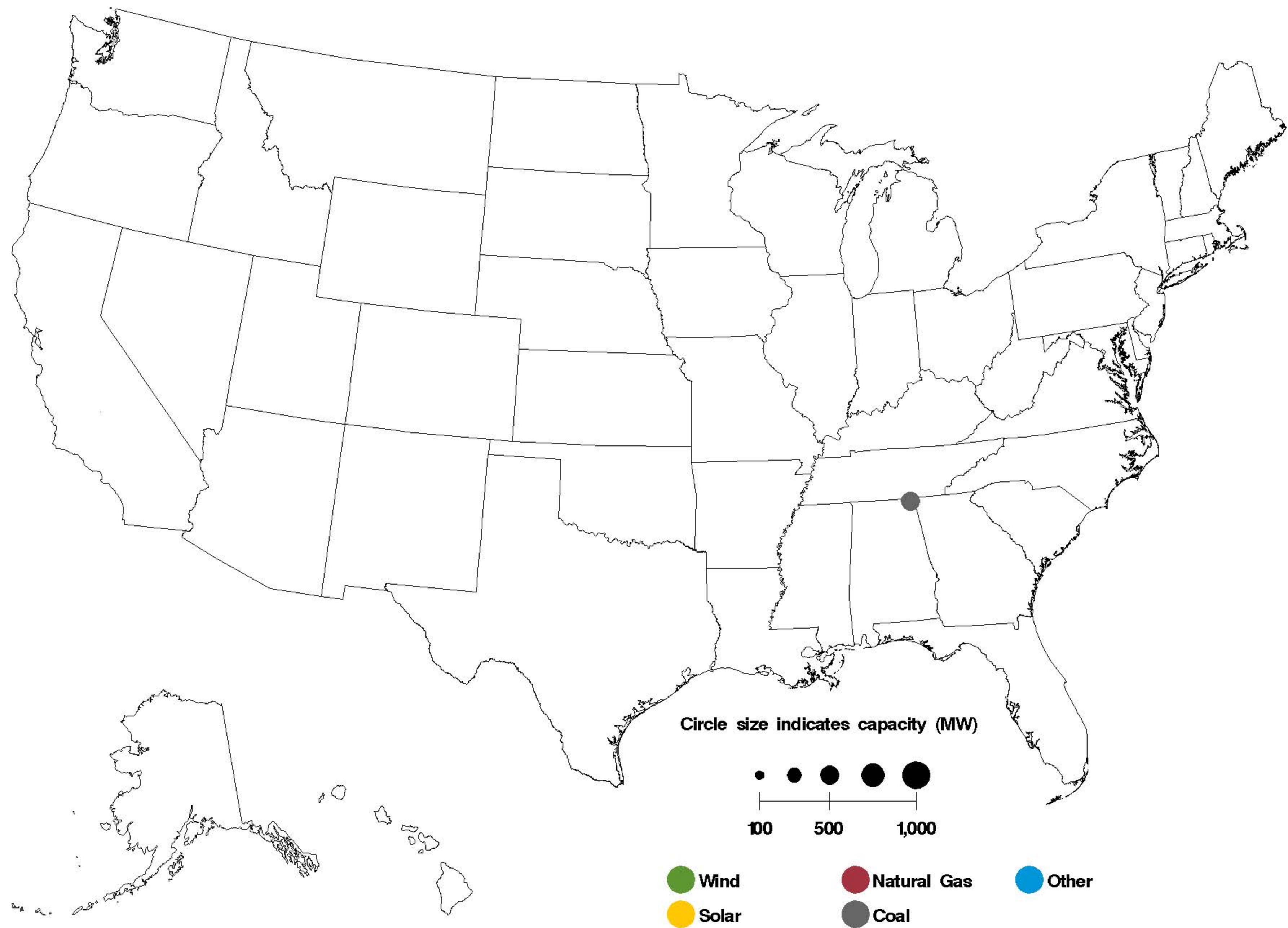
Period	Nuclear	Conventional Hydropower	Wind	Solar Photovoltaic	Solar Thermal	Landfill Gas and Municipal Solid Waste	Other Biomass Including Wood	Geothermal
Annual Factors								
2008	91.1%	37.2%	31.7%	22.5%	19.5%	69.9%	66.5%	74.7%
2009	90.3%	39.6%	28.1%	20.6%	23.6%	70.2%	62.1%	73.3%
2010	91.1%	37.6%	29.8%	20.3%	24.5%	70.8%	57.8%	71.9%
2011	89.1%	45.9%	32.1%	19.1%	23.9%	70.0%	56.3%	71.8%
2012	86.1%	39.6%	31.8%	20.3%	23.8%	68.0%	57.3%	68.2%
2013	90.1%	38.1%	32.3%	19.4%	17.8%	69.6%	50.8%	66.0%
2012								
January	95.8%	39.0%	39.0%	9.3%	2.5%	65.8%	60.1%	67.4%
February	90.3%	36.6%	33.5%	12.1%	15.1%	66.0%	60.1%	68.2%
March	81.7%	43.8%	39.0%	17.3%	24.2%	65.9%	55.1%	66.9%
April	76.4%	46.0%	36.5%	22.2%	31.1%	66.7%	47.5%	67.6%
May	82.1%	48.5%	34.5%	27.1%	32.3%	68.1%	51.7%	67.7%
June	89.0%	46.7%	33.6%	28.2%	43.7%	69.9%	59.8%	67.6%
July	91.3%	45.0%	23.6%	26.3%	39.8%	70.8%	61.6%	67.7%
August	91.8%	38.9%	22.4%	23.1%	35.2%	68.7%	63.2%	66.8%
Sept	88.0%	30.8%	23.8%	22.8%	34.0%	67.7%	59.4%	68.9%
October	78.8%	27.9%	32.6%	20.3%	16.2%	67.3%	54.1%	68.1%
November	77.3%	32.6%	30.0%	16.5%	7.6%	68.7%	57.1%	70.8%
December	90.5%	38.8%	34.1%	15.9%	3.5%	70.7%	57.7%	70.6%
2013								
January	94.2%	41.9%	33.2%	13.1%	2.8%	65.8%	53.1%	69.1%
February	90.5%	37.4%	34.9%	17.1%	12.2%	64.0%	51.8%	68.5%
March	83.6%	34.2%	35.5%	19.0%	18.2%	69.8%	52.2%	69.0%
April	77.7%	43.0%	40.4%	19.3%	22.3%	69.6%	34.4%	66.1%
May	83.4%	47.8%	36.9%	19.9%	23.0%	73.4%	46.9%	64.7%
June	93.2%	47.3%	32.3%	22.1%	30.3%	74.4%	48.9%	65.0%
July	95.8%	45.2%	25.3%	20.5%	27.3%	73.1%	53.1%	66.0%
August	96.9%	36.0%	21.8%	21.2%	30.1%	70.7%	61.0%	64.9%
Sept	92.3%	29.0%	27.5%	22.4%	25.8%	69.1%	54.2%	66.2%
October	85.8%	28.9%	31.2%	22.8%	16.7%	67.3%	48.9%	67.2%
November	91.2%	30.7%	37.1%	18.4%	9.0%	68.3%	52.8%	61.1%
December	96.7%	35.2%	31.6%	16.6%	6.3%	69.9%	51.5%	65.0%
2014								
January	99.2%	35.6%	40.1%	17.3%	5.4%	63.5%	55.1%	62.8%
February	94.1%	32.1%	34.3%	18.7%	8.2%	61.4%	53.7%	62.2%
March	84.6%	41.4%	39.4%	24.0%	16.0%	69.2%	50.5%	62.4%
April	79.0%	44.2%	43.0%	25.6%	21.9%	68.9%	37.9%	63.6%
May	85.4%	45.2%	34.3%	27.0%	24.1%	71.2%	42.2%	62.8%
June	95.6%	46.0%	35.8%	28.4%	34.2%	70.4%	54.2%	63.5%
July	97.5%	41.5%	26.5%	26.3%	25.1%	72.7%	55.5%	62.0%

Values for 2012 and prior years are final. Values for 2013 and 2014 are preliminary.

Notes: Solar Thermal Capacity Factors include generation from plants using concentrated solar power energy storage.

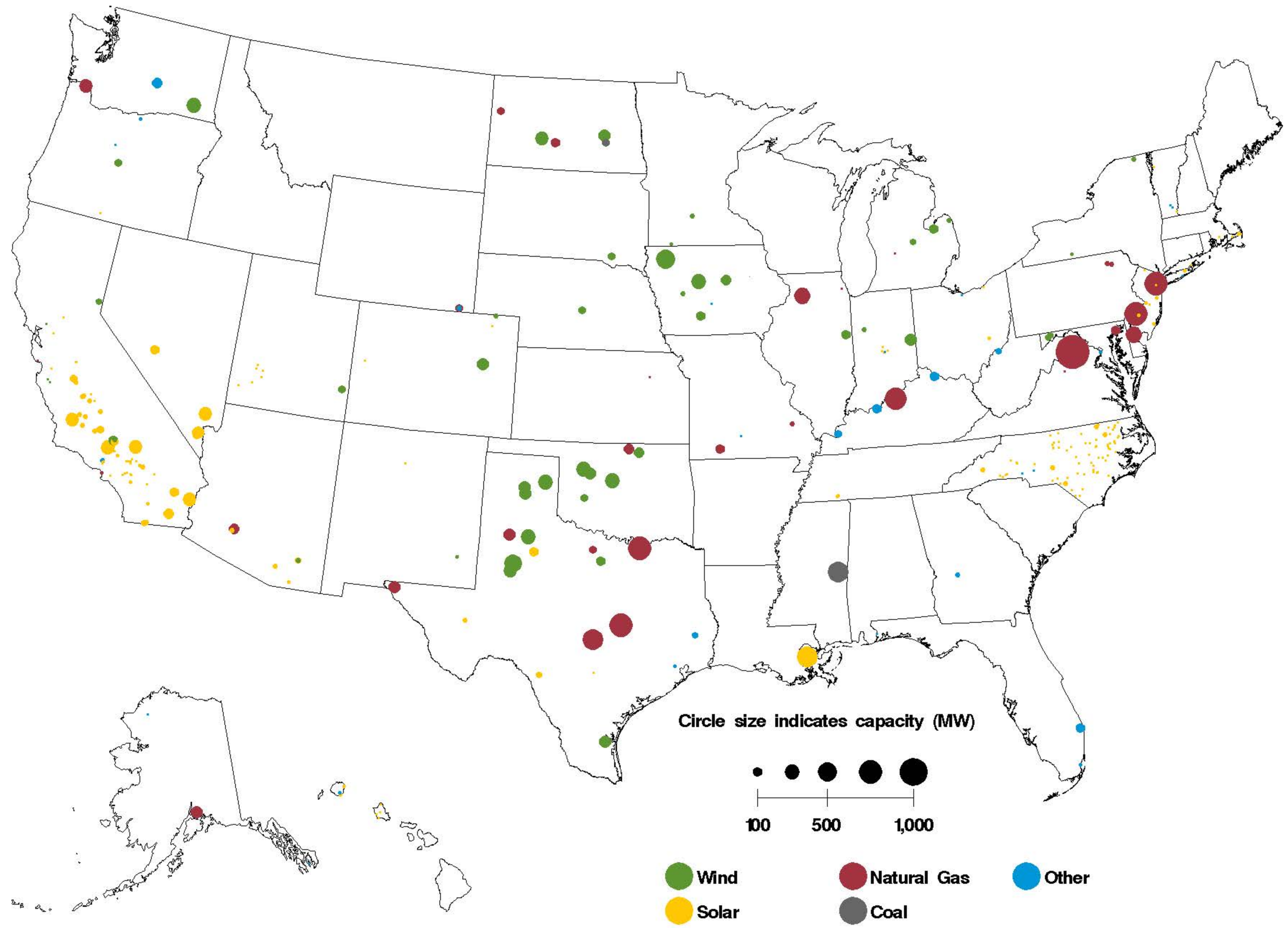
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility Scale Generating Units Retired in July 2014



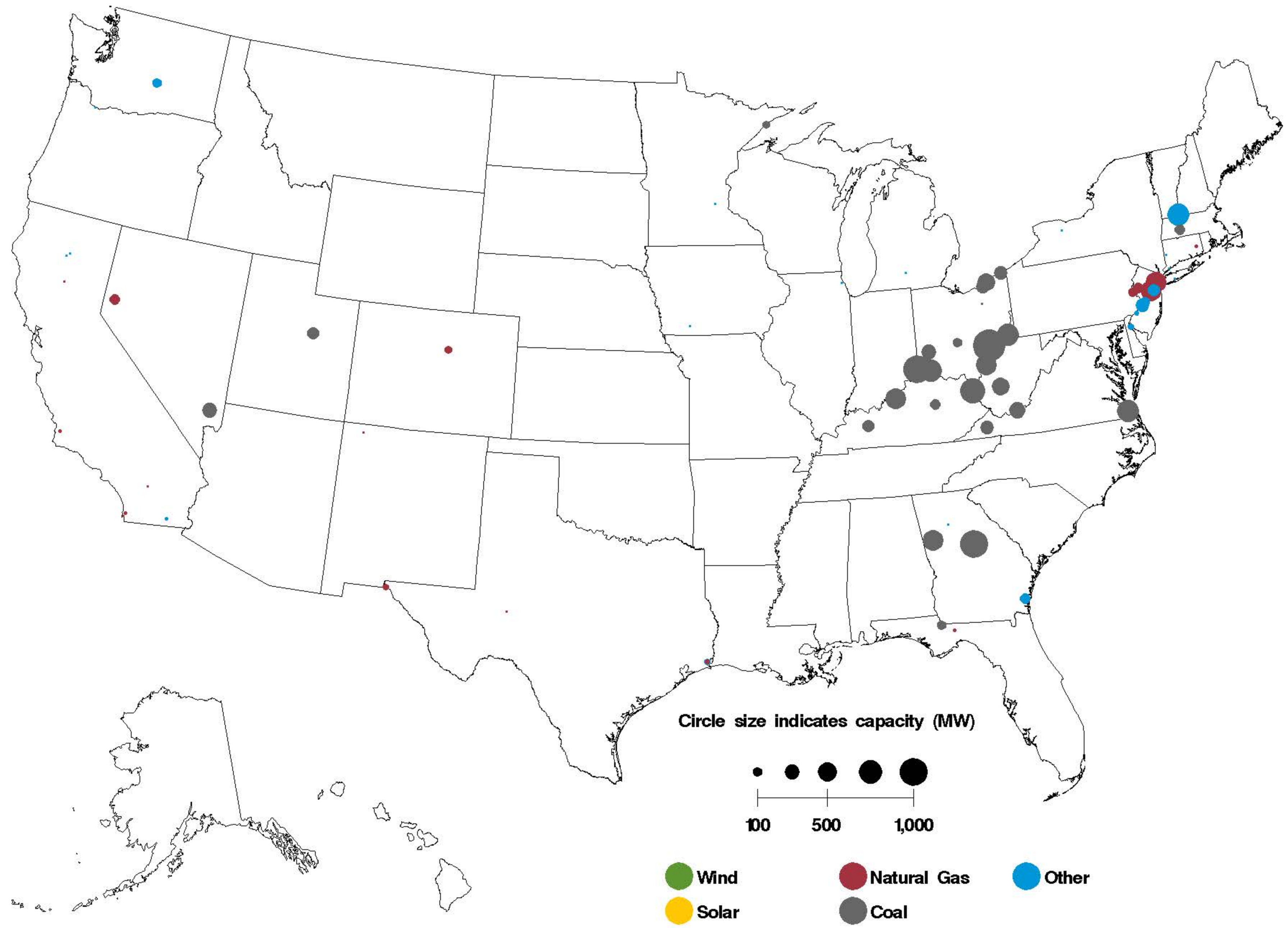
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility Scale Generating Units Planned to Come Online from August 2014 to July 2015



Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.D. Utility Scale Generating Units Planned to Retire from August 2014 to July 2015



Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

**Table A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Total (All Sectors) by Census Division and State, July 2014**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	10	14	0	1	0	0	8
Connecticut	0	35	0	2	0	0	46
Maine	0	114	0	3	0	0	11
Massachusetts	19	14	0	2	0	0	22
New Hampshire	0	45	0	1	0	0	17
Rhode Island	0	76	0	1	0	0	395
Vermont	0	449	0	0	0	0	26
Middle Atlantic	1	11	126	1	13	0	2
New Jersey	0	78	285	2	39	0	279
New York	5	14	0	2	0	0	2
Pennsylvania	1	16	139	1	11	0	13
East North Central	0	3	5	2	6	0	18
Illinois	0	10	0	8	29	0	50
Indiana	0	6	0	4	6	0	13
Michigan	1	7	20	9	0	0	36
Ohio	1	4	2	1	17	0	21
Wisconsin	1	15	0	4	0	0	32
West North Central	1	9	0	5	79	0	6
Iowa	2	16	0	19	0	0	46
Kansas	0	63	0	20	0	0	215
Minnesota	3	21	0	10	0	0	56
Missouri	1	14	0	6	0	0	10
Nebraska	2	3	0	19	0	0	35
North Dakota	3	26	0	324	79	0	0
South Dakota	0	45	0	17	0	0	1
South Atlantic	0	7	0	0	0	0	5
Delaware	5	19	0	2	0	0	0
District of Columbia	0	0	0	98	0	0	0
Florida	1	20	0	0	0	0	66
Georgia	0	38	0	1	0	0	7
Maryland	0	30	0	7	0	0	2
North Carolina	1	22	0	1	0	0	8
South Carolina	0	100	0	2	0	0	16
Virginia	3	3	0	1	0	0	21
West Virginia	0	0	0	0	0	0	25
East South Central	0	15	0	1	23	0	4
Alabama	1	68	0	1	24	0	6
Kentucky	1	4	0	11	0	0	6
Mississippi	0	99	0	1	0	0	0
Tennessee	0	6	0	1	0	0	7
West South Central	0	11	6	0	4	0	5
Arkansas	0	0	0	2	0	0	6
Louisiana	0	1	6	1	5	0	0
Oklahoma	1	10	0	1	0	0	10
Texas	0	21	51	1	6	0	29
Mountain	1	5	0	1	9	0	3
Arizona	0	2	0	1	0	0	3
Colorado	0	157	0	3	0	0	25
Idaho	53	514	0	3	0	0	7
Montana	5	6	0	82	0	0	5
Nevada	0	1	0	1	0	0	4
New Mexico	0	8	0	4	0	0	82
Utah	1	12	0	3	411	0	45
Wyoming	2	26	0	33	7	0	6
Pacific Contiguous	1	13	253	1	8	0	1
California	7	15	253	1	10	0	5
Oregon	0	0	0	1	0	0	3
Washington	0	49	0	2	0	0	1
Pacific Noncontiguous	4	1	0	10	99	0	26
Alaska	14	3	0	10	340	0	26
Hawaii	3	1	0	0	103	0	96
U.S. Total	0	2	5	0	3	0	1

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Total (All Sectors) by Census Division and State, July 2014 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	0	0	0	19	3	0	6	1
Connecticut	0	0	0	122	7	0	9	1
Maine	0	0	0	0	4	0	12	3
Massachusetts	0	0	0	20	6	0	8	1
New Hampshire	0	0	0	0	8	0	54	1
Rhode Island	0	0	0	104	29	0	0	1
Vermont	0	0	0	75	10	0	0	4
Middle Atlantic	0	0	0	12	2	0	5	0
New Jersey	0	0	0	13	7	0	9	1
New York	0	0	0	27	3	0	7	1
Pennsylvania	0	0	0	36	4	0	6	1
East North Central	0	0	0	22	2	0	6	0
Illinois	0	0	0	44	1	0	19	0
Indiana	0	0	0	33	3	0	3	1
Michigan	0	0	0	0	4	0	11	1
Ohio	0	0	0	40	7	0	0	1
Wisconsin	0	0	0	0	6	0	26	1
West North Central	0	0	0	89	1	0	12	0
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	209	2	0	13	2
Missouri	0	0	0	98	4	0	0	1
Nebraska	0	0	0	0	1	0	0	2
North Dakota	0	0	0	0	1	0	61	2
South Dakota	0	0	0	0	0	0	0	2
South Atlantic	0	0	0	10	2	0	3	0
Delaware	0	0	0	46	30	0	0	2
District of Columbia	0	0	0	0	0	0	0	98
Florida	0	0	0	12	5	0	4	0
Georgia	0	0	0	28	6	0	4	0
Maryland	0	0	0	30	6	0	1	1
North Carolina	0	0	0	14	7	0	26	0
South Carolina	0	0	0	172	2	0	0	0
Virginia	0	0	0	0	3	0	5	1
West Virginia	0	0	0	0	1	0	0	0
East South Central	0	0	0	67	6	0	0	0
Alabama	0	0	0	0	9	0	0	1
Kentucky	0	0	0	0	9	0	0	1
Mississippi	0	0	0	0	7	0	0	0
Tennessee	0	0	0	67	17	0	0	1
West South Central	0	0	0	15	1	0	10	0
Arkansas	0	0	0	0	6	0	0	0
Louisiana	0	0	0	0	10	0	8	1
Oklahoma	0	0	0	0	1	0	69	0
Texas	0	0	0	15	1	0	16	0
Mountain	0	4	0	3	1	0	9	0
Arizona	0	0	0	3	3	0	0	0
Colorado	0	0	0	14	1	0	44	1
Idaho	0	23	0	0	5	0	0	5
Montana	0	0	0	0	4	0	0	3
Nevada	0	4	0	6	3	0	95	1
New Mexico	0	142	0	12	5	0	0	1
Utah	0	4	0	239	4	0	7	1
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	0	2	0	2	1	0	10	1
California	0	2	0	2	1	0	9	1
Oregon	0	0	0	74	2	0	66	2
Washington	0	0	0	0	2	0	32	1
Pacific Noncontiguous	0	0	0	59	5	0	0	3
Alaska	0	0	0	0	42	0	0	9
Hawaii	0	0	0	59	5	0	0	2
U.S. Total	0	2	0	2	1	0	3	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Total (All Sectors) by Census Division and State, Year-to-Date through July 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	10	14	0	1	0	0	8
Connecticut	0	35	0	2	0	0	46
Maine	0	114	0	3	0	0	11
Massachusetts	19	14	0	2	0	0	22
New Hampshire	0	45	0	1	0	0	17
Rhode Island	0	76	0	1	0	0	395
Vermont	0	449	0	0	0	0	26
Middle Atlantic	1	11	126	1	13	0	2
New Jersey	0	78	285	2	39	0	279
New York	5	14	0	2	0	0	2
Pennsylvania	1	16	139	1	11	0	13
East North Central	0	3	5	2	6	0	18
Illinois	0	10	0	8	29	0	50
Indiana	0	6	0	4	6	0	13
Michigan	1	7	20	9	0	0	36
Ohio	1	4	2	1	17	0	21
Wisconsin	1	15	0	4	0	0	32
West North Central	1	9	0	5	79	0	6
Iowa	2	16	0	19	0	0	46
Kansas	0	63	0	20	0	0	215
Minnesota	3	21	0	10	0	0	56
Missouri	1	14	0	6	0	0	10
Nebraska	2	3	0	19	0	0	35
North Dakota	3	26	0	324	79	0	0
South Dakota	0	45	0	17	0	0	1
South Atlantic	0	7	0	0	0	0	5
Delaware	5	19	0	2	0	0	0
District of Columbia	0	0	0	98	0	0	0
Florida	1	20	0	0	0	0	66
Georgia	0	38	0	1	0	0	7
Maryland	0	30	0	7	0	0	2
North Carolina	1	22	0	1	0	0	8
South Carolina	0	100	0	2	0	0	16
Virginia	3	3	0	1	0	0	21
West Virginia	0	0	0	0	0	0	25
East South Central	0	15	0	1	23	0	4
Alabama	1	68	0	1	24	0	6
Kentucky	1	4	0	11	0	0	6
Mississippi	0	99	0	1	0	0	0
Tennessee	0	6	0	1	0	0	7
West South Central	0	11	6	0	4	0	5
Arkansas	0	0	0	2	0	0	6
Louisiana	0	1	6	1	5	0	0
Oklahoma	1	10	0	1	0	0	10
Texas	0	21	51	1	6	0	29
Mountain	1	5	0	1	9	0	3
Arizona	0	2	0	1	0	0	3
Colorado	0	157	0	3	0	0	25
Idaho	53	514	0	3	0	0	7
Montana	5	6	0	82	0	0	5
Nevada	0	1	0	1	0	0	4
New Mexico	0	8	0	4	0	0	82
Utah	1	12	0	3	411	0	45
Wyoming	2	26	0	33	7	0	6
Pacific Contiguous	1	13	253	1	8	0	1
California	7	15	253	1	10	0	5
Oregon	0	0	0	1	0	0	3
Washington	0	49	0	2	0	0	1
Pacific Noncontiguous	4	1	0	10	99	0	26
Alaska	14	3	0	10	340	0	26
Hawaii	3	1	0	0	103	0	96
U.S. Total	0	2	5	0	3	0	1

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Total (All Sectors) by Census Division and State, Year-to-Date through July 2014 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	0	0	0	19	3	0	6	1
Connecticut	0	0	0	122	7	0	9	1
Maine	0	0	0	0	4	0	12	3
Massachusetts	0	0	0	20	6	0	8	1
New Hampshire	0	0	0	0	8	0	54	1
Rhode Island	0	0	0	104	29	0	0	1
Vermont	0	0	0	75	10	0	0	4
Middle Atlantic	0	0	0	12	2	0	5	0
New Jersey	0	0	0	13	7	0	9	1
New York	0	0	0	27	3	0	7	1
Pennsylvania	0	0	0	36	4	0	6	1
East North Central	0	0	0	22	2	0	6	0
Illinois	0	0	0	44	1	0	19	0
Indiana	0	0	0	33	3	0	3	1
Michigan	0	0	0	0	4	0	11	1
Ohio	0	0	0	40	7	0	0	1
Wisconsin	0	0	0	0	6	0	26	1
West North Central	0	0	0	89	1	0	12	0
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	209	2	0	13	2
Missouri	0	0	0	98	4	0	0	1
Nebraska	0	0	0	0	1	0	0	2
North Dakota	0	0	0	0	1	0	61	2
South Dakota	0	0	0	0	0	0	0	2
South Atlantic	0	0	0	10	2	0	3	0
Delaware	0	0	0	46	30	0	0	2
District of Columbia	0	0	0	0	0	0	0	98
Florida	0	0	0	12	5	0	4	0
Georgia	0	0	0	28	6	0	4	0
Maryland	0	0	0	30	6	0	1	1
North Carolina	0	0	0	14	7	0	26	0
South Carolina	0	0	0	172	2	0	0	0
Virginia	0	0	0	0	3	0	5	1
West Virginia	0	0	0	0	1	0	0	0
East South Central	0	0	0	67	6	0	0	0
Alabama	0	0	0	0	9	0	0	1
Kentucky	0	0	0	0	9	0	0	1
Mississippi	0	0	0	0	7	0	0	0
Tennessee	0	0	0	67	17	0	0	1
West South Central	0	0	0	15	1	0	10	0
Arkansas	0	0	0	0	6	0	0	0
Louisiana	0	0	0	0	10	0	8	1
Oklahoma	0	0	0	0	1	0	69	0
Texas	0	0	0	15	1	0	16	0
Mountain	0	4	0	3	1	0	9	0
Arizona	0	0	0	3	3	0	0	0
Colorado	0	0	0	14	1	0	44	1
Idaho	0	23	0	0	5	0	0	5
Montana	0	0	0	0	4	0	0	3
Nevada	0	4	0	6	3	0	95	1
New Mexico	0	142	0	12	5	0	0	1
Utah	0	4	0	239	4	0	7	1
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	0	2	0	2	1	0	10	1
California	0	2	0	2	1	0	9	1
Oregon	0	0	0	74	2	0	66	2
Washington	0	0	0	0	2	0	32	1
Pacific Noncontiguous	0	0	0	59	5	0	0	3
Alaska	0	0	0	0	42	0	0	9
Hawaii	0	0	0	59	5	0	0	2
U.S. Total	0	2	0	2	1	0	3	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

**Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Electric Utilities by Census Division and State, July 2014**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	21	0	3	0	0	23
Connecticut	0	59	0	0	0	0	160
Maine	0	154	0	0	0	0	0
Massachusetts	0	137	0	4	0	0	54
New Hampshire	0	12	0	0	0	0	18
Rhode Island	0	18	0	0	0	0	0
Vermont	0	638	0	0	0	0	44
Middle Atlantic	400	26	0	5	0	0	1
New Jersey	0	903	0	0	0	0	0
New York	400	25	0	5	0	0	1
Pennsylvania	0	140	0	1,119	0	0	12
East North Central	0	3	0	3	0	0	19
Illinois	0	25	0	39	0	0	122
Indiana	0	5	0	5	0	0	13
Michigan	1	7	0	16	0	0	37
Ohio	1	4	0	2	0	0	21
Wisconsin	1	12	0	7	0	0	34
West North Central	1	9	0	6	0	0	5
Iowa	2	17	0	18	0	0	47
Kansas	0	63	0	21	0	0	0
Minnesota	3	19	0	11	0	0	83
Missouri	1	14	0	10	0	0	10
Nebraska	2	3	0	17	0	0	35
North Dakota	3	21	0	1,198	0	0	0
South Dakota	0	49	0	17	0	0	1
South Atlantic	0	8	0	0	0	0	6
Delaware	0	1,057	0	587	0	0	0
Florida	1	20	0	0	0	0	66
Georgia	0	32	0	0	0	0	7
Maryland	0	70	0	0	0	0	0
North Carolina	0	14	0	1	0	0	9
South Carolina	0	112	0	1	0	0	16
Virginia	0	3	0	0	0	0	21
West Virginia	0	0	0	0	0	0	40
East South Central	0	4	0	1	0	0	4
Alabama	0	0	0	5	0	0	6
Kentucky	1	4	0	10	0	0	6
Mississippi	0	100	0	1	0	0	0
Tennessee	0	0	0	0	0	0	7
West South Central	0	1	0	1	0	0	6
Arkansas	0	0	0	10	0	0	6
Louisiana	0	3	0	1	0	0	0
Oklahoma	0	9	0	1	0	0	10
Texas	0	1	0	1	0	0	30
Mountain	0	5	0	1	0	0	3
Arizona	0	2	0	1	0	0	3
Colorado	0	157	0	4	0	0	24
Idaho	0	514	0	4	0	0	7
Montana	110	4,500	0	85	0	0	4
Nevada	0	1	0	0	0	0	1
New Mexico	0	7	0	6	0	0	82
Utah	1	9	0	2	0	0	45
Wyoming	2	12	0	209	0	0	6
Pacific Contiguous	0	6	0	2	0	0	1
California	0	3	0	3	0	0	5
Oregon	0	0	0	0	0	0	3
Washington	0	319	0	3	0	0	1
Pacific Noncontiguous	0	1	0	10	0	0	26
Alaska	0	3	0	10	0	0	26
Hawaii	0	1	0	0	0	0	240
U.S. Total	0	2	0	0	0	0	1

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Electric Utilities by Census Division and State, July 2014 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	0	0	0	75	4	0	0	6
Connecticut	0	0	0	0	0	0	0	132
Maine	0	0	0	0	0	0	0	154
Massachusetts	0	0	0	75	50	0	0	11
New Hampshire	0	0	0	0	0	0	0	3
Rhode Island	0	0	0	0	0	0	0	18
Vermont	0	0	0	0	0	0	0	20
Middle Atlantic	0	0	0	40	40	0	0	2
New Jersey	0	0	0	40	40	0	0	4
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	14
East North Central	0	0	0	102	3	0	0	0
Illinois	0	0	0	0	131	0	0	2
Indiana	0	0	0	0	17	0	0	1
Michigan	0	0	0	0	4	0	0	1
Ohio	0	0	0	102	62	0	0	1
Wisconsin	0	0	0	0	1	0	0	1
West North Central	0	0	0	0	1	0	9	1
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	3	0	0	2
Missouri	0	0	0	0	42	0	0	1
Nebraska	0	0	0	0	13	0	0	2
North Dakota	0	0	0	0	2	0	61	2
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	0	0	0	11	2	0	0	0
Delaware	0	0	0	136	136	0	0	328
Florida	0	0	0	0	5	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	116	116	0	0	78
North Carolina	0	0	0	106	106	0	0	0
South Carolina	0	0	0	0	7	0	0	0
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	0	0	0	0	29	0	0	0
Alabama	0	0	0	0	228	0	0	1
Kentucky	0	0	0	0	29	0	0	1
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	1
West South Central	0	0	0	0	0	0	0	0
Arkansas	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	2	0	0	1
Mountain	0	0	0	14	4	0	95	0
Arizona	0	0	0	15	14	0	0	0
Colorado	0	0	0	0	20	0	0	1
Idaho	0	0	0	0	0	0	0	6
Montana	0	0	0	0	0	0	0	6
Nevada	0	0	0	0	0	0	95	0
New Mexico	0	0	0	34	34	0	0	1
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	0	0	0	18	2	0	0	1
California	0	0	0	18	4	0	0	2
Oregon	0	0	0	142	2	0	0	2
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	0	0	0	0	26	0	0	5
Alaska	0	0	0	0	52	0	0	9
Hawaii	0	0	0	0	0	0	0	2
U.S. Total	0	0	0	10	1	0	7	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Electric Utilities by Census Division and State, Year-to-Date through July 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	21	0	3	0	0	23
Connecticut	0	59	0	0	0	0	160
Maine	0	154	0	0	0	0	0
Massachusetts	0	137	0	4	0	0	54
New Hampshire	0	12	0	0	0	0	18
Rhode Island	0	18	0	0	0	0	0
Vermont	0	638	0	0	0	0	44
Middle Atlantic	400	26	0	5	0	0	1
New Jersey	0	903	0	0	0	0	0
New York	400	25	0	5	0	0	1
Pennsylvania	0	140	0	1,119	0	0	12
East North Central	0	3	0	3	0	0	19
Illinois	0	25	0	39	0	0	122
Indiana	0	5	0	5	0	0	13
Michigan	1	7	0	16	0	0	37
Ohio	1	4	0	2	0	0	21
Wisconsin	1	12	0	7	0	0	34
West North Central	1	9	0	6	0	0	5
Iowa	2	17	0	18	0	0	47
Kansas	0	63	0	21	0	0	0
Minnesota	3	19	0	11	0	0	83
Missouri	1	14	0	10	0	0	10
Nebraska	2	3	0	17	0	0	35
North Dakota	3	21	0	1,198	0	0	0
South Dakota	0	49	0	17	0	0	1
South Atlantic	0	8	0	0	0	0	6
Delaware	0	1,057	0	587	0	0	0
Florida	1	20	0	0	0	0	66
Georgia	0	32	0	0	0	0	7
Maryland	0	70	0	0	0	0	0
North Carolina	0	14	0	1	0	0	9
South Carolina	0	112	0	1	0	0	16
Virginia	0	3	0	0	0	0	21
West Virginia	0	0	0	0	0	0	40
East South Central	0	4	0	1	0	0	4
Alabama	0	0	0	5	0	0	6
Kentucky	1	4	0	10	0	0	6
Mississippi	0	100	0	1	0	0	0
Tennessee	0	0	0	0	0	0	7
West South Central	0	1	0	1	0	0	6
Arkansas	0	0	0	10	0	0	6
Louisiana	0	3	0	1	0	0	0
Oklahoma	0	9	0	1	0	0	10
Texas	0	1	0	1	0	0	30
Mountain	0	5	0	1	0	0	3
Arizona	0	2	0	1	0	0	3
Colorado	0	157	0	4	0	0	24
Idaho	0	514	0	4	0	0	7
Montana	110	4,500	0	85	0	0	4
Nevada	0	1	0	0	0	0	1
New Mexico	0	7	0	6	0	0	82
Utah	1	9	0	2	0	0	45
Wyoming	2	12	0	209	0	0	6
Pacific Contiguous	0	6	0	2	0	0	1
California	0	3	0	3	0	0	5
Oregon	0	0	0	0	0	0	3
Washington	0	319	0	3	0	0	1
Pacific Noncontiguous	0	1	0	10	0	0	26
Alaska	0	3	0	10	0	0	26
Hawaii	0	1	0	0	0	0	240
U.S. Total	0	2	0	0	0	0	1

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Electric Utilities by Census Division and State, Year-to-Date through July 2014 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	0	0	0	75	4	0	0	6
Connecticut	0	0	0	0	0	0	0	132
Maine	0	0	0	0	0	0	0	154
Massachusetts	0	0	0	75	50	0	0	11
New Hampshire	0	0	0	0	0	0	0	3
Rhode Island	0	0	0	0	0	0	0	18
Vermont	0	0	0	0	0	0	0	20
Middle Atlantic	0	0	0	40	40	0	0	2
New Jersey	0	0	0	40	40	0	0	4
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	14
East North Central	0	0	0	102	3	0	0	0
Illinois	0	0	0	0	131	0	0	2
Indiana	0	0	0	0	17	0	0	1
Michigan	0	0	0	0	4	0	0	1
Ohio	0	0	0	102	62	0	0	1
Wisconsin	0	0	0	0	1	0	0	1
West North Central	0	0	0	0	1	0	9	1
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	3	0	0	2
Missouri	0	0	0	0	42	0	0	1
Nebraska	0	0	0	0	13	0	0	2
North Dakota	0	0	0	0	2	0	61	2
South Dakota	0	0	0	0	2	0	0	2
South Atlantic	0	0	0	11	2	0	0	0
Delaware	0	0	0	136	136	0	0	328
Florida	0	0	0	0	5	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	116	116	0	0	78
North Carolina	0	0	0	106	106	0	0	0
South Carolina	0	0	0	0	7	0	0	0
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	0	0	0	0	29	0	0	0
Alabama	0	0	0	0	228	0	0	1
Kentucky	0	0	0	0	29	0	0	1
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	1
West South Central	0	0	0	0	0	0	0	0
Arkansas	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	2	0	0	1
Mountain	0	0	0	14	4	0	95	0
Arizona	0	0	0	15	14	0	0	0
Colorado	0	0	0	0	20	0	0	1
Idaho	0	0	0	0	0	0	0	6
Montana	0	0	0	0	0	0	0	6
Nevada	0	0	0	0	0	0	95	0
New Mexico	0	0	0	34	34	0	0	1
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	0	0	0	18	2	0	0	1
California	0	0	0	18	4	0	0	2
Oregon	0	0	0	142	2	0	0	2
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	0	0	0	0	26	0	0	5
Alaska	0	0	0	0	52	0	0	9
Hawaii	0	0	0	0	0	0	0	2
U.S. Total	0	0	0	10	1	0	7	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Independent Power Producers by Census Division and State, July 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	13	10	0	1	0	0	9
Connecticut	0	34	0	1	0	0	48
Maine	0	75	0	0	0	0	12
Massachusetts	19	8	0	2	0	0	24
New Hampshire	0	1,736	0	0	0	0	22
Rhode Island	0	0	0	1	0	0	395
Vermont	0	0	0	0	0	0	32
Middle Atlantic	1	14	0	1	0	0	11
New Jersey	0	66	0	1	0	0	279
New York	2	23	0	1	0	0	13
Pennsylvania	1	16	0	1	0	0	18
East North Central	0	7	0	2	9	0	64
Illinois	0	0	0	7	0	0	43
Indiana	0	253,570	0	5	0	0	0
Michigan	44	1,628	0	10	0	0	130
Ohio	0	5	0	1	19	0	0
Wisconsin	0	2,447	0	0	0	0	146
West North Central	0	40	0	4	0	0	88
Iowa	0	52	0	3,415	0	0	532
Kansas	0	0	0	0	0	0	215
Minnesota	0	86	0	14	0	0	94
Missouri	0	0	0	4	0	0	0
North Dakota	0	0	0	0	0	0	0
South Dakota	0	85	0	0	0	0	0
South Atlantic	1	14	0	1	0	0	10
Delaware	5	13	0	2	0	0	0
Florida	0	571	0	5	0	0	0
Georgia	0	5,575	0	1	0	0	234
Maryland	0	22	0	6	0	0	2
North Carolina	21	292	0	0	0	0	213
South Carolina	0	0	0	9	0	0	110
Virginia	41	13	0	1	0	0	106
West Virginia	0	0	0	0	0	0	50
East South Central	0	72	0	0	0	0	300
Alabama	0	72	0	0	0	0	0
Kentucky	0	0	0	0	0	0	300
Mississippi	0	0	0	0	0	0	0
West South Central	0	0	0	0	0	0	4
Arkansas	0	0	0	0	0	0	211
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	0	0	0	143
Mountain	5	7	0	1	0	0	10
Arizona	0	0	0	0	0	0	0
Colorado	69	0	0	4	0	0	93
Idaho	0	0	0	5	0	0	25
Montana	5	5	0	315	0	0	11
Nevada	0	0	0	3	0	0	165
New Mexico	0	1,139	0	4	0	0	0
Utah	59	285	0	34	0	0	436
Wyoming	68	0	0	380	0	0	391
Pacific Contiguous	1	38	253	1	0	0	26
California	9	73	253	1	0	0	31
Oregon	0	0	0	1	0	0	64
Washington	0	7	0	0	0	0	71
Pacific Noncontiguous	4	1	0	0	0	0	0
Alaska	34	0	0	0	0	0	0
Hawaii	0	1	0	0	0	0	0
U.S. Total	0	3	8	0	4	0	5

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Independent Power Producers by Census Division and State, July 2014 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	0	0	0	20	3	0	6	1
Connecticut	0	0	0	122	7	0	9	1
Maine	0	0	0	0	2	0	12	3
Massachusetts	0	0	0	21	7	0	8	1
New Hampshire	0	0	0	0	10	0	54	1
Rhode Island	0	0	0	104	29	0	0	1
Vermont	0	0	0	75	27	0	0	4
Middle Atlantic	0	0	0	13	2	0	5	0
New Jersey	0	0	0	16	8	0	13	1
New York	0	0	0	27	3	0	8	1
Pennsylvania	0	0	0	39	3	0	7	1
East North Central	0	0	0	23	2	0	26	0
Illinois	0	0	0	44	1	0	0	0
Indiana	0	0	0	33	3	0	0	1
Michigan	0	0	0	0	4	0	26	4
Ohio	0	0	0	44	7	0	0	0
Wisconsin	0	0	0	0	9	0	0	1
West North Central	0	0	0	89	1	0	36	1
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	1	0	0	1
Minnesota	0	0	0	209	3	0	36	4
Missouri	0	0	0	98	4	0	0	3
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	0	1
South Dakota	0	0	0	0	0	0	0	0
South Atlantic	0	0	0	11	3	0	5	1
Delaware	0	0	0	48	30	0	0	2
Florida	0	0	0	40	3	0	7	3
Georgia	0	0	0	28	11	0	0	1
Maryland	0	0	0	31	6	0	0	1
North Carolina	0	0	0	15	9	0	26	3
South Carolina	0	0	0	172	65	0	0	9
Virginia	0	0	0	0	6	0	0	5
West Virginia	0	0	0	0	1	0	0	0
East South Central	0	0	0	73	11	0	0	0
Alabama	0	0	0	0	5	0	0	0
Kentucky	0	0	0	0	0	0	0	32
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	73	35	0	0	35
West South Central	0	0	0	15	0	0	0	0
Arkansas	0	0	0	0	34	0	0	0
Louisiana	0	0	0	0	35	0	0	0
Oklahoma	0	0	0	0	1	0	0	1
Texas	0	0	0	15	0	0	0	0
Mountain	0	4	0	3	1	0	8	1
Arizona	0	0	0	3	3	0	0	0
Colorado	0	0	0	14	1	0	107	3
Idaho	0	23	0	0	6	0	0	7
Montana	0	0	0	0	5	0	0	4
Nevada	0	4	0	6	3	0	0	2
New Mexico	0	142	0	12	4	0	0	3
Utah	0	10	0	239	5	0	142	18
Wyoming	0	0	0	0	4	0	0	26
Pacific Contiguous	0	2	0	2	1	0	20	1
California	0	2	0	2	1	0	19	1
Oregon	0	0	0	86	1	0	66	2
Washington	0	0	0	0	1	0	49	1
Pacific Noncontiguous	0	0	0	59	6	0	0	2
Alaska	0	0	0	0	71	0	0	31
Hawaii	0	0	0	59	6	0	0	2
U.S. Total	0	2	0	2	1	0	4	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Independent Power Producers by Census Division and State, Year-to-Date through July 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	13	10	0	1	0	0	9
Connecticut	0	34	0	1	0	0	48
Maine	0	75	0	0	0	0	12
Massachusetts	19	8	0	2	0	0	24
New Hampshire	0	1,736	0	0	0	0	22
Rhode Island	0	0	0	1	0	0	395
Vermont	0	0	0	0	0	0	32
Middle Atlantic	1	14	0	1	0	0	11
New Jersey	0	66	0	1	0	0	279
New York	2	23	0	1	0	0	13
Pennsylvania	1	16	0	1	0	0	18
East North Central	0	7	0	2	9	0	64
Illinois	0	0	0	7	0	0	43
Indiana	0	253,570	0	5	0	0	0
Michigan	44	1,628	0	10	0	0	130
Ohio	0	5	0	1	19	0	0
Wisconsin	0	2,447	0	0	0	0	146
West North Central	0	40	0	4	0	0	88
Iowa	0	52	0	3,415	0	0	532
Kansas	0	0	0	0	0	0	215
Minnesota	0	86	0	14	0	0	94
Missouri	0	0	0	4	0	0	0
North Dakota	0	0	0	0	0	0	0
South Dakota	0	85	0	0	0	0	0
South Atlantic	1	14	0	1	0	0	10
Delaware	5	13	0	2	0	0	0
Florida	0	571	0	5	0	0	0
Georgia	0	5,575	0	1	0	0	234
Maryland	0	22	0	6	0	0	2
North Carolina	21	292	0	0	0	0	213
South Carolina	0	0	0	9	0	0	110
Virginia	41	13	0	1	0	0	106
West Virginia	0	0	0	0	0	0	50
East South Central	0	72	0	0	0	0	300
Alabama	0	72	0	0	0	0	0
Kentucky	0	0	0	0	0	0	300
Mississippi	0	0	0	0	0	0	0
West South Central	0	0	0	0	0	0	4
Arkansas	0	0	0	0	0	0	211
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	0	0	0	143
Mountain	5	7	0	1	0	0	10
Arizona	0	0	0	0	0	0	0
Colorado	69	0	0	4	0	0	93
Idaho	0	0	0	5	0	0	25
Montana	5	5	0	315	0	0	11
Nevada	0	0	0	3	0	0	165
New Mexico	0	1,139	0	4	0	0	0
Utah	59	285	0	34	0	0	436
Wyoming	68	0	0	380	0	0	391
Pacific Contiguous	1	38	253	1	0	0	26
California	9	73	253	1	0	0	31
Oregon	0	0	0	1	0	0	64
Washington	0	7	0	0	0	0	71
Pacific Noncontiguous	4	1	0	0	0	0	0
Alaska	34	0	0	0	0	0	0
Hawaii	0	1	0	0	0	0	0
U.S. Total	0	3	8	0	4	0	5

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Independent Power Producers by Census Division and State, Year-to-Date through July 2014 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	0	0	0	20	3	0	6	1
Connecticut	0	0	0	122	7	0	9	1
Maine	0	0	0	0	2	0	12	3
Massachusetts	0	0	0	21	7	0	8	1
New Hampshire	0	0	0	0	10	0	54	1
Rhode Island	0	0	0	104	29	0	0	1
Vermont	0	0	0	75	27	0	0	4
Middle Atlantic	0	0	0	13	2	0	5	0
New Jersey	0	0	0	16	8	0	13	1
New York	0	0	0	27	3	0	8	1
Pennsylvania	0	0	0	39	3	0	7	1
East North Central	0	0	0	23	2	0	26	0
Illinois	0	0	0	44	1	0	0	0
Indiana	0	0	0	33	3	0	0	1
Michigan	0	0	0	0	4	0	26	4
Ohio	0	0	0	44	7	0	0	0
Wisconsin	0	0	0	0	9	0	0	1
West North Central	0	0	0	89	1	0	36	1
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	1	0	0	1
Minnesota	0	0	0	209	3	0	36	4
Missouri	0	0	0	98	4	0	0	3
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	0	1
South Dakota	0	0	0	0	0	0	0	0
South Atlantic	0	0	0	11	3	0	5	1
Delaware	0	0	0	48	30	0	0	2
Florida	0	0	0	40	3	0	7	3
Georgia	0	0	0	28	11	0	0	1
Maryland	0	0	0	31	6	0	0	1
North Carolina	0	0	0	15	9	0	26	3
South Carolina	0	0	0	172	65	0	0	9
Virginia	0	0	0	0	6	0	0	5
West Virginia	0	0	0	0	1	0	0	0
East South Central	0	0	0	73	11	0	0	0
Alabama	0	0	0	0	5	0	0	0
Kentucky	0	0	0	0	0	0	0	32
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	73	35	0	0	35
West South Central	0	0	0	15	0	0	0	0
Arkansas	0	0	0	0	34	0	0	0
Louisiana	0	0	0	0	35	0	0	0
Oklahoma	0	0	0	0	1	0	0	1
Texas	0	0	0	15	0	0	0	0
Mountain	0	4	0	3	1	0	8	1
Arizona	0	0	0	3	3	0	0	0
Colorado	0	0	0	14	1	0	107	3
Idaho	0	23	0	0	6	0	0	7
Montana	0	0	0	0	5	0	0	4
Nevada	0	4	0	6	3	0	0	2
New Mexico	0	142	0	12	4	0	0	3
Utah	0	10	0	239	5	0	142	18
Wyoming	0	0	0	0	4	0	0	26
Pacific Contiguous	0	2	0	2	1	0	20	1
California	0	2	0	2	1	0	19	1
Oregon	0	0	0	86	1	0	66	2
Washington	0	0	0	0	1	0	49	1
Pacific Noncontiguous	0	0	0	59	6	0	0	2
Alaska	0	0	0	0	71	0	0	31
Hawaii	0	0	0	59	6	0	0	2
U.S. Total	0	2	0	2	1	0	4	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

**Table A.4.A. Relative Standard Error for Net Generation by Fuel Type:
Commercial Sector by Census Division and State, July 2014**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	69	0	21	0	0	352
Connecticut	0	638	0	39	0	0	0
Maine	0	370	0	153	0	0	0
Massachusetts	0	82	0	18	0	0	352
New Hampshire	0	156	0	187	0	0	0
Rhode Island	0	237	0	107	0	0	0
Vermont	0	569	0	0	0	0	0
Middle Atlantic	109	35	0	23	0	0	393
New Jersey	0	370	0	56	0	0	0
New York	0	30	0	24	0	0	393
Pennsylvania	109	221	0	70	0	0	0
East North Central	10	168	0	19	0	0	517
Illinois	22	66	0	20	0	0	517
Indiana	15	1,460	0	98	0	0	0
Michigan	0	16	0	32	0	0	0
Ohio	234	125	0	46	0	0	0
Wisconsin	183	2,478	0	133	0	0	0
West North Central	25	130	0	50	0	0	0
Iowa	31	110	0	271	0	0	0
Minnesota	0	166	0	117	0	0	0
Missouri	0	235	0	0	0	0	0
Nebraska	0	0	0	2,244	0	0	0
North Dakota	0	274	0	0	0	0	0
South Dakota	0	399	0	0	0	0	0
South Atlantic	124	114	0	41	0	0	99
District of Columbia	0	0	0	98	0	0	0
Florida	0	0	0	109	0	0	0
Georgia	0	53	0	0	0	0	0
Maryland	116	131	0	49	0	0	0
North Carolina	0	148	0	0	0	0	101
South Carolina	0	209	0	359	0	0	0
Virginia	220	34	0	0	0	0	0
East South Central	99	200	0	59	0	0	0
Mississippi	0	0	0	190	0	0	0
Tennessee	99	200	0	62	0	0	0
West South Central	0	1,110	0	21	0	0	0
Arkansas	0	0	0	966	0	0	0
Louisiana	0	0	0	135	0	0	0
Oklahoma	0	3,256	0	107	0	0	0
Texas	0	1,115	0	21	0	0	0
Mountain	0	298	0	29	0	0	733
Arizona	0	298	0	47	0	0	0
Colorado	0	0	0	0	0	0	733
Nevada	0	0	0	58	0	0	0
New Mexico	0	0	0	64	0	0	0
Utah	0	0	0	73	0	0	0
Pacific Contiguous	0	22	0	12	0	0	404
California	0	22	0	12	0	0	404
Oregon	0	0	0	228	0	0	0
Washington	0	1,115	0	314	0	0	0
Pacific Noncontiguous	16	94	0	1,131	0	0	0
Alaska	16	108	0	1,131	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	12	28	0	8	0	0	153

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

**Table A.4.A. Relative Standard Error for Net Generation by Fuel Type:
Commercial Sector by Census Division and State, July 2014 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	0	0	0	391	25	0	30	16
Connecticut	0	0	0	0	0	0	0	39
Maine	0	0	0	0	28	0	30	24
Massachusetts	0	0	0	391	89	0	0	18
New Hampshire	0	0	0	0	52	0	0	67
Rhode Island	0	0	0	0	0	0	0	100
Vermont	0	0	0	0	414	0	0	344
Middle Atlantic	0	0	0	31	10	0	9	10
New Jersey	0	0	0	31	16	0	0	18
New York	0	0	0	0	19	0	20	13
Pennsylvania	0	0	0	216	9	0	0	22
East North Central	0	0	0	193	12	0	11	11
Illinois	0	0	0	0	0	0	0	17
Indiana	0	0	0	0	63	0	68	30
Michigan	0	0	0	0	11	0	10	13
Ohio	0	0	0	193	193	0	0	45
Wisconsin	0	0	0	0	99	0	0	102
West North Central	0	0	0	0	24	0	56	19
Iowa	0	0	0	0	66	0	0	31
Minnesota	0	0	0	0	74	0	56	64
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	83	0	0	113
North Dakota	0	0	0	0	0	0	0	274
South Dakota	0	0	0	0	0	0	0	399
South Atlantic	0	0	0	40	15	0	12	16
Delaware	0	0	0	0	248	0	0	248
District of Columbia	0	0	0	0	0	0	0	98
Florida	0	0	0	272	71	0	0	78
Georgia	0	0	0	184	59	0	0	57
Maryland	0	0	0	155	85	0	400	41
North Carolina	0	0	0	42	42	0	0	39
South Carolina	0	0	0	0	0	0	0	321
Virginia	0	0	0	0	12	0	12	11
East South Central	0	0	0	147	147	0	0	53
Mississippi	0	0	0	0	0	0	0	190
Tennessee	0	0	0	147	147	0	0	55
West South Central	0	0	0	230	56	0	0	20
Arkansas	0	0	0	0	133	0	0	148
Louisiana	0	0	0	0	0	0	0	135
Oklahoma	0	0	0	0	0	0	0	107
Texas	0	0	0	230	60	0	0	20
Mountain	0	0	0	38	38	0	0	25
Arizona	0	0	0	90	90	0	0	41
Colorado	0	0	0	63	65	0	0	109
Nevada	0	0	0	50	50	0	0	40
New Mexico	0	0	0	0	323	0	0	63
Utah	0	0	0	0	0	0	0	73
Pacific Contiguous	0	0	0	36	8	0	0	8
California	0	0	0	36	8	0	0	8
Oregon	0	0	0	0	60	0	0	97
Washington	0	0	0	0	0	0	0	308
Pacific Noncontiguous	0	0	0	0	0	0	0	6
Alaska	0	0	0	0	0	0	0	19
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	0	0	0	19	5	0	6	5

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.4.B. Relative Standard Error for Net Generation by Fuel Type:

Commercial Sector by Census Division and State, Year-to-Date through July 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	69	0	21	0	0	352
Connecticut	0	638	0	39	0	0	0
Maine	0	370	0	153	0	0	0
Massachusetts	0	82	0	18	0	0	352
New Hampshire	0	156	0	187	0	0	0
Rhode Island	0	237	0	107	0	0	0
Vermont	0	569	0	0	0	0	0
Middle Atlantic	109	35	0	23	0	0	393
New Jersey	0	370	0	56	0	0	0
New York	0	30	0	24	0	0	393
Pennsylvania	109	221	0	70	0	0	0
East North Central	10	168	0	19	0	0	517
Illinois	22	66	0	20	0	0	517
Indiana	15	1,460	0	98	0	0	0
Michigan	0	16	0	32	0	0	0
Ohio	234	125	0	46	0	0	0
Wisconsin	183	2,478	0	133	0	0	0
West North Central	25	130	0	50	0	0	0
Iowa	31	110	0	271	0	0	0
Minnesota	0	166	0	117	0	0	0
Missouri	0	235	0	0	0	0	0
Nebraska	0	0	0	2,244	0	0	0
North Dakota	0	274	0	0	0	0	0
South Dakota	0	399	0	0	0	0	0
South Atlantic	124	114	0	41	0	0	99
District of Columbia	0	0	0	98	0	0	0
Florida	0	0	0	109	0	0	0
Georgia	0	53	0	0	0	0	0
Maryland	116	131	0	49	0	0	0
North Carolina	0	148	0	0	0	0	101
South Carolina	0	209	0	359	0	0	0
Virginia	220	34	0	0	0	0	0
East South Central	99	200	0	59	0	0	0
Mississippi	0	0	0	190	0	0	0
Tennessee	99	200	0	62	0	0	0
West South Central	0	1,110	0	21	0	0	0
Arkansas	0	0	0	966	0	0	0
Louisiana	0	0	0	135	0	0	0
Oklahoma	0	3,256	0	107	0	0	0
Texas	0	1,115	0	21	0	0	0
Mountain	0	298	0	29	0	0	733
Arizona	0	298	0	47	0	0	0
Colorado	0	0	0	0	0	0	733
Nevada	0	0	0	58	0	0	0
New Mexico	0	0	0	64	0	0	0
Utah	0	0	0	73	0	0	0
Pacific Contiguous	0	22	0	12	0	0	404
California	0	22	0	12	0	0	404
Oregon	0	0	0	228	0	0	0
Washington	0	1,115	0	314	0	0	0
Pacific Noncontiguous	16	94	0	1,131	0	0	0
Alaska	16	108	0	1,131	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	12	28	0	8	0	0	153

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.4.B. Relative Standard Error for Net Generation by Fuel Type:

Commercial Sector by Census Division and State, Year-to-Date through July 2014 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	0	0	0	391	25	0	30	16
Connecticut	0	0	0	0	0	0	0	39
Maine	0	0	0	0	28	0	30	24
Massachusetts	0	0	0	391	89	0	0	18
New Hampshire	0	0	0	0	52	0	0	67
Rhode Island	0	0	0	0	0	0	0	100
Vermont	0	0	0	0	414	0	0	344
Middle Atlantic	0	0	0	31	10	0	9	10
New Jersey	0	0	0	31	16	0	0	18
New York	0	0	0	0	19	0	20	13
Pennsylvania	0	0	0	216	9	0	0	22
East North Central	0	0	0	193	12	0	11	11
Illinois	0	0	0	0	0	0	0	17
Indiana	0	0	0	0	63	0	68	30
Michigan	0	0	0	0	11	0	10	13
Ohio	0	0	0	193	193	0	0	45
Wisconsin	0	0	0	0	99	0	0	102
West North Central	0	0	0	0	24	0	56	19
Iowa	0	0	0	0	66	0	0	31
Minnesota	0	0	0	0	74	0	56	64
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	83	0	0	113
North Dakota	0	0	0	0	0	0	0	274
South Dakota	0	0	0	0	0	0	0	399
South Atlantic	0	0	0	40	15	0	12	16
Delaware	0	0	0	0	248	0	0	248
District of Columbia	0	0	0	0	0	0	0	98
Florida	0	0	0	272	71	0	0	78
Georgia	0	0	0	184	59	0	0	57
Maryland	0	0	0	155	85	0	400	41
North Carolina	0	0	0	42	42	0	0	39
South Carolina	0	0	0	0	0	0	0	321
Virginia	0	0	0	0	12	0	12	11
East South Central	0	0	0	147	147	0	0	53
Mississippi	0	0	0	0	0	0	0	190
Tennessee	0	0	0	147	147	0	0	55
West South Central	0	0	0	230	56	0	0	20
Arkansas	0	0	0	0	133	0	0	148
Louisiana	0	0	0	0	0	0	0	135
Oklahoma	0	0	0	0	0	0	0	107
Texas	0	0	0	230	60	0	0	20
Mountain	0	0	0	38	38	0	0	25
Arizona	0	0	0	90	90	0	0	41
Colorado	0	0	0	63	65	0	0	109
Nevada	0	0	0	50	50	0	0	40
New Mexico	0	0	0	0	323	0	0	63
Utah	0	0	0	0	0	0	0	73
Pacific Contiguous	0	0	0	36	8	0	0	8
California	0	0	0	36	8	0	0	8
Oregon	0	0	0	0	60	0	0	97
Washington	0	0	0	0	0	0	0	308
Pacific Noncontiguous	0	0	0	0	0	0	0	6
Alaska	0	0	0	0	0	0	0	19
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	0	0	0	19	5	0	6	5

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

**Table A.5.A. Relative Standard Error for Net Generation by Fuel Type:
Industrial Sector by Census Division and State, July 2014**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	50	129	0	14	0	0	26
Connecticut	0	414	0	41	0	0	0
Maine	0	252	0	13	0	0	24
Massachusetts	80	118	0	60	0	0	372
New Hampshire	0	150	0	145	0	0	733
Middle Atlantic	10	15	126	20	13	0	112
New Jersey	0	887	285	38	39	0	0
New York	0	1	0	41	0	0	112
Pennsylvania	16	187	139	28	11	0	0
East North Central	5	37	55	24	7	0	105
Illinois	6	1,628	0	42	29	0	0
Indiana	65	5	0	28	6	0	0
Michigan	27	400	171	90	0	0	250
Ohio	15	152	1,055	76	31	0	0
Wisconsin	8	1,170	0	107	0	0	116
West North Central	7	201	0	68	79	0	124
Iowa	7	128	0	344	0	0	0
Kansas	0	0	0	56	0	0	0
Minnesota	18	318	0	187	0	0	124
Missouri	59	0	0	572	0	0	0
Nebraska	24	0	0	529	0	0	0
North Dakota	49	316	0	336	79	0	0
South Atlantic	9	58	0	9	0	0	15
Delaware	0	0	0	0	0	0	0
Florida	55	100	0	15	0	0	0
Georgia	18	81	0	30	0	0	187
Maryland	0	0	0	92	0	0	0
North Carolina	52	239	0	48	0	0	19
South Carolina	20	0	0	79	0	0	0
Virginia	20	169	0	27	0	0	237
West Virginia	4	0	0	0	0	0	16
East South Central	6	104	0	8	23	0	18
Alabama	34	105	0	13	24	0	0
Kentucky	0	0	0	52	0	0	0
Mississippi	0	0	0	9	0	0	0
Tennessee	3	1,237	0	16	0	0	18
West South Central	35	236	74	2	8	0	0
Arkansas	0	0	0	30	0	0	0
Louisiana	0	0	107	2	8	0	0
Oklahoma	39	79	0	77	0	0	0
Texas	0	481	51	2	12	0	0
Mountain	8	152	0	18	10	0	0
Colorado	263	1,395	0	294	0	0	0
Idaho	53	0	0	155	0	0	0
Montana	141	0	0	0	0	0	0
Nevada	0	0	0	124	0	0	0
New Mexico	0	813	0	0	0	0	0
Utah	0	1,482	0	22	411	0	0
Wyoming	24	152	0	22	7	0	0
Pacific Contiguous	0	92	0	4	10	0	0
California	0	84	0	4	10	0	0
Oregon	0	0	0	112	0	0	0
Washington	0	106	0	0	0	0	0
Pacific Noncontiguous	124	34	0	224	99	0	166
Alaska	0	9	0	224	340	0	0
Hawaii	124	66	0	0	103	0	166
U.S. Total	4	24	42	2	5	0	14

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

**Table A.5.A. Relative Standard Error for Net Generation by Fuel Type:
Industrial Sector by Census Division and State, July 2014 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	0	0	0	0	6	0	24	7
Connecticut	0	0	0	0	0	0	0	40
Maine	0	0	0	0	9	0	33	7
Massachusetts	0	0	0	0	0	0	0	14
New Hampshire	0	0	0	0	0	0	0	166
Middle Atlantic	0	0	0	83	13	0	0	10
New Jersey	0	0	0	209	209	0	0	32
New York	0	0	0	0	4	0	0	13
Pennsylvania	0	0	0	90	18	0	0	14
East North Central	0	0	0	0	11	0	8	5
Illinois	0	0	0	0	0	0	19	7
Indiana	0	0	0	0	82	0	0	6
Michigan	0	0	0	0	18	0	0	21
Ohio	0	0	0	0	17	0	0	15
Wisconsin	0	0	0	0	19	0	57	11
West North Central	0	0	0	0	14	0	42	7
Iowa	0	0	0	0	0	0	0	8
Kansas	0	0	0	0	0	0	0	56
Minnesota	0	0	0	0	15	0	42	14
Missouri	0	0	0	0	285	0	0	58
Nebraska	0	0	0	0	0	0	0	27
North Dakota	0	0	0	0	0	0	0	45
South Atlantic	0	0	0	0	4	0	4	3
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	11	0	4	7
Georgia	0	0	0	0	6	0	4	6
Maryland	0	0	0	0	0	0	0	18
North Carolina	0	0	0	0	12	0	0	11
South Carolina	0	0	0	0	1	0	0	3
Virginia	0	0	0	0	8	0	0	8
West Virginia	0	0	0	0	0	0	0	5
East South Central	0	0	0	0	6	0	0	4
Alabama	0	0	0	0	10	0	0	8
Kentucky	0	0	0	0	8	0	0	21
Mississippi	0	0	0	0	7	0	0	5
Tennessee	0	0	0	0	19	0	0	8
West South Central	0	0	0	0	7	0	10	2
Arkansas	0	0	0	0	6	0	0	6
Louisiana	0	0	0	0	11	0	8	2
Oklahoma	0	0	0	0	35	0	69	25
Texas	0	0	0	0	17	0	16	2
Mountain	0	0	0	178	3	0	16	6
Colorado	0	0	0	0	310	0	46	60
Idaho	0	0	0	0	1	0	0	11
Montana	0	0	0	0	0	0	0	141
Nevada	0	0	0	178	178	0	0	116
New Mexico	0	0	0	0	0	0	0	813
Utah	0	0	0	0	0	0	0	7
Wyoming	0	0	0	0	0	0	0	12
Pacific Contiguous	0	0	0	148	11	0	9	4
California	0	0	0	148	28	0	10	4
Oregon	0	0	0	0	18	0	0	19
Washington	0	0	0	0	13	0	0	12
Pacific Noncontiguous	0	0	0	0	34	0	0	39
Alaska	0	0	0	0	710	0	0	60
Hawaii	0	0	0	0	34	0	0	46
U.S. Total	0	0	0	68	3	0	4	1

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.5.B. Relative Standard Error for Net Generation by Fuel Type:

Industrial Sector by Census Division and State, Year-to-Date through July 2014

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	50	129	0	14	0	0	26
Connecticut	0	414	0	41	0	0	0
Maine	0	252	0	13	0	0	24
Massachusetts	80	118	0	60	0	0	372
New Hampshire	0	150	0	145	0	0	733
Middle Atlantic	10	15	126	20	13	0	112
New Jersey	0	887	285	38	39	0	0
New York	0	1	0	41	0	0	112
Pennsylvania	16	187	139	28	11	0	0
East North Central	5	37	55	24	7	0	105
Illinois	6	1,628	0	42	29	0	0
Indiana	65	5	0	28	6	0	0
Michigan	27	400	171	90	0	0	250
Ohio	15	152	1,055	76	31	0	0
Wisconsin	8	1,170	0	107	0	0	116
West North Central	7	201	0	68	79	0	124
Iowa	7	128	0	344	0	0	0
Kansas	0	0	0	56	0	0	0
Minnesota	18	318	0	187	0	0	124
Missouri	59	0	0	572	0	0	0
Nebraska	24	0	0	529	0	0	0
North Dakota	49	316	0	336	79	0	0
South Atlantic	9	58	0	9	0	0	15
Delaware	0	0	0	0	0	0	0
Florida	55	100	0	15	0	0	0
Georgia	18	81	0	30	0	0	187
Maryland	0	0	0	92	0	0	0
North Carolina	52	239	0	48	0	0	19
South Carolina	20	0	0	79	0	0	0
Virginia	20	169	0	27	0	0	237
West Virginia	4	0	0	0	0	0	16
East South Central	6	104	0	8	23	0	18
Alabama	34	105	0	13	24	0	0
Kentucky	0	0	0	52	0	0	0
Mississippi	0	0	0	9	0	0	0
Tennessee	3	1,237	0	16	0	0	18
West South Central	35	236	74	2	8	0	0
Arkansas	0	0	0	30	0	0	0
Louisiana	0	0	107	2	8	0	0
Oklahoma	39	79	0	77	0	0	0
Texas	0	481	51	2	12	0	0
Mountain	8	152	0	18	10	0	0
Colorado	263	1,395	0	294	0	0	0
Idaho	53	0	0	155	0	0	0
Montana	141	0	0	0	0	0	0
Nevada	0	0	0	124	0	0	0
New Mexico	0	813	0	0	0	0	0
Utah	0	1,482	0	22	411	0	0
Wyoming	24	152	0	22	7	0	0
Pacific Contiguous	0	92	0	4	10	0	0
California	0	84	0	4	10	0	0
Oregon	0	0	0	112	0	0	0
Washington	0	106	0	0	0	0	0
Pacific Noncontiguous	124	34	0	224	99	0	166
Alaska	0	9	0	224	340	0	0
Hawaii	124	66	0	0	103	0	166
U.S. Total	4	24	42	2	5	0	14

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.5.B. Relative Standard Error for Net Generation by Fuel Type:

Industrial Sector by Census Division and State, Year-to-Date through July 2014 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	0	0	0	0	6	0	24	7
Connecticut	0	0	0	0	0	0	0	40
Maine	0	0	0	0	9	0	33	7
Massachusetts	0	0	0	0	0	0	0	14
New Hampshire	0	0	0	0	0	0	0	166
Middle Atlantic	0	0	0	83	13	0	0	10
New Jersey	0	0	0	209	209	0	0	32
New York	0	0	0	0	4	0	0	13
Pennsylvania	0	0	0	90	18	0	0	14
East North Central	0	0	0	0	11	0	8	5
Illinois	0	0	0	0	0	0	19	7
Indiana	0	0	0	0	82	0	0	6
Michigan	0	0	0	0	18	0	0	21
Ohio	0	0	0	0	17	0	0	15
Wisconsin	0	0	0	0	19	0	57	11
West North Central	0	0	0	0	14	0	42	7
Iowa	0	0	0	0	0	0	0	8
Kansas	0	0	0	0	0	0	0	56
Minnesota	0	0	0	0	15	0	42	14
Missouri	0	0	0	0	285	0	0	58
Nebraska	0	0	0	0	0	0	0	27
North Dakota	0	0	0	0	0	0	0	45
South Atlantic	0	0	0	0	4	0	4	3
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	11	0	4	7
Georgia	0	0	0	0	6	0	4	6
Maryland	0	0	0	0	0	0	0	18
North Carolina	0	0	0	0	12	0	0	11
South Carolina	0	0	0	0	1	0	0	3
Virginia	0	0	0	0	8	0	0	8
West Virginia	0	0	0	0	0	0	0	5
East South Central	0	0	0	0	6	0	0	4
Alabama	0	0	0	0	10	0	0	8
Kentucky	0	0	0	0	8	0	0	21
Mississippi	0	0	0	0	7	0	0	5
Tennessee	0	0	0	0	19	0	0	8
West South Central	0	0	0	0	7	0	10	2
Arkansas	0	0	0	0	6	0	0	6
Louisiana	0	0	0	0	11	0	8	2
Oklahoma	0	0	0	0	35	0	69	25
Texas	0	0	0	0	17	0	16	2
Mountain	0	0	0	178	3	0	16	6
Colorado	0	0	0	0	310	0	46	60
Idaho	0	0	0	0	1	0	0	11
Montana	0	0	0	0	0	0	0	141
Nevada	0	0	0	178	178	0	0	116
New Mexico	0	0	0	0	0	0	0	813
Utah	0	0	0	0	0	0	0	7
Wyoming	0	0	0	0	0	0	0	12
Pacific Contiguous	0	0	0	148	11	0	9	4
California	0	0	0	148	28	0	10	4
Oregon	0	0	0	0	18	0	0	19
Washington	0	0	0	0	13	0	0	12
Pacific Noncontiguous	0	0	0	0	34	0	0	39
Alaska	0	0	0	0	710	0	0	60
Hawaii	0	0	0	0	34	0	0	46
U.S. Total	0	0	0	68	3	0	4	1

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, July 2014

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	1	0	3	0	1
Connecticut	0	1	5	0	1
Maine	1	1	2	0	1
Massachusetts	1	1	8	0	1
New Hampshire	1	1	5	0	1
Rhode Island	0	0	0	0	0
Vermont	4	3	8	0	3
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	3	0	0
New York	0	0	3	0	0
Pennsylvania	0	0	1	0	0
East North Central	1	1	1	0	0
Illinois	1	1	2	0	1
Indiana	1	1	2	0	1
Michigan	1	2	2	0	1
Ohio	1	1	2	0	1
Wisconsin	2	3	3	0	2
West North Central	1	2	2	0	1
Iowa	2	7	4	0	3
Kansas	2	2	3	0	1
Minnesota	2	4	4	0	2
Missouri	1	1	5	0	1
Nebraska	2	7	5	0	3
North Dakota	3	5	8	0	4
South Dakota	4	9	8	0	4
South Atlantic	0	0	1	0	0
Delaware	1	2	8	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	2	0	0
Georgia	1	1	1	0	1
Maryland	1	1	4	0	1
North Carolina	1	1	1	0	1
South Carolina	1	1	1	0	1
Virginia	1	1	1	0	0
West Virginia	0	0	0	0	0
East South Central	1	1	1	0	1
Alabama	1	1	1	0	1
Kentucky	2	2	3	0	1
Mississippi	2	2	2	0	1
Tennessee	1	2	5	0	1
West South Central	1	1	1	0	0
Arkansas	2	2	2	0	1
Louisiana	1	1	1	0	1
Oklahoma	1	1	2	0	1
Texas	1	1	1	0	0
Mountain	1	2	1	0	1
Arizona	1	2	3	0	1
Colorado	2	5	5	0	2
Idaho	2	4	2	0	1
Montana	4	7	6	0	3
Nevada	1	3	1	0	1
New Mexico	3	8	6	0	4
Utah	2	5	2	0	2
Wyoming	4	7	2	0	2
Pacific Contiguous	1	1	2	0	1
California	1	1	2	0	1
Oregon	2	4	5	0	2
Washington	2	4	4	0	2
Pacific Noncontiguous	2	5	3	0	2
Alaska	4	10	10	0	5
Hawaii	0	0	0	0	0
U.S. Total	0	0	1	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.6.B. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers

by End-Use Sector, Census Division, and State, Year-to-Date through July 2014

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	0	3	0	0
Connecticut	0	1	4	0	1
Maine	0	1	1	0	0
Massachusetts	1	1	6	0	1
New Hampshire	0	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	2	2	6	0	2
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	0	0	0
East North Central	0	0	1	0	0
Illinois	0	1	1	0	0
Indiana	1	1	2	0	1
Michigan	0	1	1	0	0
Ohio	0	1	2	0	1
Wisconsin	0	2	1	0	1
West North Central	0	1	1	0	0
Iowa	1	3	2	0	1
Kansas	1	1	2	0	1
Minnesota	1	2	2	0	1
Missouri	1	1	4	0	1
Nebraska	1	3	2	0	1
North Dakota	1	2	3	0	1
South Dakota	1	4	3	0	2
South Atlantic	0	0	1	0	0
Delaware	1	1	6	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	2	0	0
Georgia	1	1	1	0	0
Maryland	0	1	3	0	0
North Carolina	0	1	1	0	0
South Carolina	1	1	1	0	0
Virginia	0	0	1	0	0
West Virginia	0	0	0	0	0
East South Central	0	1	1	0	0
Alabama	1	1	1	0	0
Kentucky	1	1	2	0	1
Mississippi	1	1	2	0	1
Tennessee	1	1	4	0	1
West South Central	0	0	0	0	0
Arkansas	1	1	1	153	1
Louisiana	1	1	0	0	0
Oklahoma	1	1	2	0	1
Texas	0	0	1	0	0
Mountain	0	1	1	0	0
Arizona	0	1	1	0	0
Colorado	1	1	2	0	1
Idaho	1	2	1	0	1
Montana	1	3	2	0	1
Nevada	0	1	0	0	0
New Mexico	1	2	3	0	1
Utah	1	2	1	0	1
Wyoming	1	3	1	0	1
Pacific Contiguous	0	0	1	0	0
California	0	0	1	0	0
Oregon	1	2	2	0	1
Washington	0	2	2	0	1
Pacific Noncontiguous	1	2	1	0	1
Alaska	2	5	4	0	2
Hawaii	0	0	0	0	0
U.S. Total	0	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.7.A. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, July 2014

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	1	3	52	1
Connecticut	0	1	3	0	0
Maine	1	2	3	0	1
Massachusetts	1	1	5	82	1
New Hampshire	1	1	4	0	1
Rhode Island	0	12	0	0	5
Vermont	3	3	7	0	2
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	2	2	0	1
East North Central	0	1	1	0	0
Illinois	1	1	3	0	1
Indiana	1	1	2	0	1
Michigan	1	1	2	0	1
Ohio	1	1	3	0	1
Wisconsin	2	3	4	0	1
West North Central	1	1	2	0	1
Iowa	3	6	5	0	2
Kansas	2	1	3	0	1
Minnesota	2	3	5	0	2
Missouri	1	1	5	0	1
Nebraska	2	6	5	0	3
North Dakota	3	5	8	0	3
South Dakota	4	8	9	0	4
South Atlantic	1	0	1	18	0
Delaware	1	11	10	0	4
District of Columbia	0	0	0	54	2
Florida	1	1	3	0	0
Georgia	1	1	2	0	1
Maryland	1	1	3	0	1
North Carolina	1	1	2	0	1
South Carolina	2	1	2	0	1
Virginia	1	1	2	0	1
West Virginia	1	1	1	0	0
East South Central	1	1	2	0	1
Alabama	2	1	1	0	1
Kentucky	2	2	3	0	1
Mississippi	2	2	3	0	1
Tennessee	1	1	4	0	1
West South Central	1	1	1	0	0
Arkansas	2	2	2	0	1
Louisiana	1	1	1	0	1
Oklahoma	2	1	3	0	1
Texas	1	1	1	0	1
Mountain	1	2	2	0	1
Arizona	1	3	4	0	1
Colorado	2	6	7	0	3
Idaho	2	4	1	0	1
Montana	4	6	9	0	4
Nevada	0	4	1	0	1
New Mexico	3	8	10	0	4
Utah	2	7	3	0	3
Wyoming	5	7	3	0	2
Pacific Contiguous	0	1	2	0	1
California	0	1	2	0	1
Oregon	2	3	6	0	2
Washington	2	3	5	0	2
Pacific Noncontiguous	1	2	1	0	1
Alaska	5	8	9	0	4
Hawaii	0	0	0	0	0
U.S. Total	0	0	1	4	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.7.B. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers

by End-Use Sector, Census Division, and State, Year-to-Date through July 2014

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	1	2	29	0
Connecticut	0	0	3	0	0
Maine	0	1	2	0	1
Massachusetts	0	1	4	58	1
New Hampshire	0	0	3	0	0
Rhode Island	0	8	0	0	3
Vermont	1	2	6	0	1
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	2	0	0
New York	0	0	1	0	0
Pennsylvania	0	1	1	0	0
East North Central	0	0	1	0	0
Illinois	0	1	2	0	0
Indiana	1	1	2	0	1
Michigan	0	1	1	0	0
Ohio	0	1	2	0	0
Wisconsin	0	1	2	0	1
West North Central	0	1	1	0	0
Iowa	1	3	2	0	1
Kansas	1	1	3	0	1
Minnesota	1	2	2	0	1
Missouri	1	1	4	0	1
Nebraska	1	3	3	0	1
North Dakota	1	2	4	0	1
South Dakota	1	4	4	0	2
South Atlantic	0	0	1	15	0
Delaware	1	7	7	0	3
District of Columbia	0	5	0	48	4
Florida	0	0	3	0	0
Georgia	1	1	2	0	1
Maryland	0	1	2	0	0
North Carolina	1	1	2	0	0
South Carolina	1	1	2	0	1
Virginia	0	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	0	1	1	0	0
Alabama	1	1	1	0	1
Kentucky	1	1	3	0	1
Mississippi	1	1	3	0	1
Tennessee	1	1	4	0	1
West South Central	0	0	1	1	0
Arkansas	1	1	2	144	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	3	0	1
Texas	0	0	1	0	0
Mountain	0	1	1	0	0
Arizona	0	1	2	0	0
Colorado	1	2	4	0	1
Idaho	1	2	1	0	1
Montana	1	3	4	0	1
Nevada	0	1	1	0	0
New Mexico	1	2	6	0	2
Utah	1	2	2	0	1
Wyoming	1	3	1	0	1
Pacific Contiguous	0	0	1	0	0
California	0	0	2	0	0
Oregon	1	2	3	0	1
Washington	0	1	2	0	1
Pacific Noncontiguous	1	1	1	0	1
Alaska	2	4	4	0	2
Hawaii	0	0	0	0	0
U.S. Total	0	0	0	3	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.8.A. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, July 2014

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	1	1	52	0
Connecticut	0	0	4	0	0
Maine	0	2	1	0	1
Massachusetts	0	0	3	82	1
New Hampshire	0	0	2	0	0
Rhode Island	0	12	0	0	5
Vermont	1	1	2	0	1
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	1	0	0
New York	0	0	1	0	0
Pennsylvania	0	2	2	0	1
East North Central	0	0	1	0	0
Illinois	0	0	2	0	0
Indiana	1	0	1	0	0
Michigan	0	0	1	0	0
Ohio	0	0	1	0	0
Wisconsin	1	1	1	0	1
West North Central	0	0	1	0	0
Iowa	1	2	2	0	1
Kansas	1	1	2	0	1
Minnesota	1	1	2	0	1
Missouri	1	0	2	0	1
Nebraska	1	2	2	0	1
North Dakota	1	1	3	0	1
South Dakota	1	2	4	0	1
South Atlantic	0	0	1	18	0
Delaware	1	10	3	0	4
District of Columbia	0	0	0	54	2
Florida	1	1	2	0	0
Georgia	1	1	1	0	1
Maryland	0	0	2	0	0
North Carolina	1	1	1	0	1
South Carolina	1	1	1	0	1
Virginia	1	1	1	0	0
West Virginia	0	0	0	0	0
East South Central	1	0	1	0	0
Alabama	1	1	1	0	1
Kentucky	1	1	1	0	1
Mississippi	2	2	2	0	1
Tennessee	0	0	1	0	0
West South Central	1	1	1	0	0
Arkansas	2	2	1	0	1
Louisiana	1	1	0	0	1
Oklahoma	1	1	2	0	1
Texas	1	1	1	0	0
Mountain	0	0	1	0	0
Arizona	0	1	2	0	0
Colorado	1	1	3	0	1
Idaho	1	1	1	0	0
Montana	2	2	4	0	1
Nevada	0	1	0	0	0
New Mexico	1	2	5	0	1
Utah	1	2	1	0	1
Wyoming	2	1	1	0	1
Pacific Contiguous	0	0	1	0	0
California	0	0	1	0	0
Oregon	1	1	2	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	1	3	1	0	1
Alaska	2	4	5	0	2
Hawaii	0	0	0	0	0
U.S. Total	0	0	0	4	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table A.8.B. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers

by End-Use Sector, Census Division, and State, Year-to-Date through July 2014

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	1	3	29	1
Connecticut	0	1	4	0	1
Maine	0	2	2	0	1
Massachusetts	0	1	7	58	1
New Hampshire	0	1	4	0	1
Rhode Island	0	8	0	0	3
Vermont	1	3	7	0	2
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	1	1	0	1
East North Central	0	1	1	0	0
Illinois	0	1	2	0	0
Indiana	0	1	2	0	1
Michigan	0	1	1	0	0
Ohio	0	1	2	0	1
Wisconsin	0	2	2	0	1
West North Central	0	1	1	0	0
Iowa	1	3	2	0	1
Kansas	1	1	3	0	1
Minnesota	0	2	2	0	1
Missouri	0	1	5	0	1
Nebraska	1	4	3	0	1
North Dakota	1	2	4	0	2
South Dakota	1	5	4	0	2
South Atlantic	0	0	1	15	0
Delaware	0	7	8	0	3
District of Columbia	0	5	0	48	4
Florida	0	1	3	0	0
Georgia	1	1	2	0	1
Maryland	0	1	4	0	0
North Carolina	0	1	2	0	0
South Carolina	1	1	2	0	1
Virginia	0	0	2	0	0
West Virginia	0	1	0	0	0
East South Central	0	1	2	0	1
Alabama	1	1	1	0	1
Kentucky	0	2	3	0	1
Mississippi	1	2	3	0	1
Tennessee	0	2	5	0	1
West South Central	0	0	1	1	0
Arkansas	1	2	2	139	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	3	0	1
Texas	0	0	1	0	0
Mountain	0	1	1	0	0
Arizona	0	1	2	0	0
Colorado	0	1	4	0	1
Idaho	0	2	1	0	1
Montana	1	4	4	0	2
Nevada	0	1	1	0	0
New Mexico	0	2	5	0	2
Utah	0	2	2	0	1
Wyoming	1	3	1	0	1
Pacific Contiguous	0	0	1	0	0
California	0	0	2	0	0
Oregon	0	2	3	0	1
Washington	0	2	2	0	1
Pacific Noncontiguous	1	2	1	0	1
Alaska	2	5	4	0	2
Hawaii	0	0	0	0	0
U.S. Total	0	0	0	3	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2014

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2014	1	01/06/2014 7:01 AM	01/07/2014 9:00 AM	25 Hours, 59 Minutes	ERCOT	TRE	Texas	Public Appeal due to Severe Weather - Cold	N/A	N/A
2014	1	01/06/2014 7:50 PM	01/06/2014 8:44 PM	0 Hours, 54 Minutes	Potomac Electric Power Co	RFC	District of Columbia	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 7:50 PM	01/06/2014 8:44 PM	0 Hours, 54 Minutes	PJM Interconnection	RFC	Unknown	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 7:50 PM	01/06/2014 8:44 PM	0 Hours, 54 Minutes	PPL Electric Utilities Corp	RFC	Pennsylvania	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 7:50 PM	01/06/2014 8:49 PM	0 Hours, 59 Minutes	UGI Utilities, Inc	RFC	Pennsylvania	Voltage Reduction due to Severe Weather - Cold	200	62000
2014	1	01/06/2014 7:52 PM	01/06/2014 8:45 PM	0 Hours, 53 Minutes	Delmarva Power & Light Company	RFC	Delaware	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 8:45 PM	01/07/2014 9:00 PM	24 Hours, 15 Minutes	PJM Interconnection	RFC	Unknown	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 10:00 PM	01/06/2014 10:01 PM	0 Hours, 1 Minutes	Louisville Gas & Electric Co	RFC	Kentucky	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 6:00 AM	01/07/2014 8:30 AM	2 Hours, 30 Minutes	Tennessee Valley Authority	SERC	Northeast Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 6:00 AM	01/07/2014 8:30 AM	2 Hours, 30 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 7:58 AM	01/07/2014 11:00 AM	3 Hours, 2 Minutes	Duke Energy Progress	SERC	North Carolina	Voltage Reduction; Public Appeal due to Severe Weather - Cold	14435	Unknown
2014	1	01/07/2014 9:30 AM	01/08/2014 9:30 AM	24 Hours, 0 Minutes	Duke Energy Carolinas	SERC	Piedmont North Carolina; Piedmont South Carolina	Fuel Supply Emergency due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 10:59 AM	01/09/2014 9:00 AM	46 Hours, 1 Minutes	Prairie Power, Inc.	RFC	Illinois	Fuel Supply Emergency - Natural Gas	N/A	N/A
2014	1	01/07/2014 4:15 PM	01/08/2014 1:20 PM	21 Hours, 5 Minutes	Duke Energy Progress	SERC	North Carolina	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 6:00 PM	01/07/2014 11:00 PM	5 Hours, 0 Minutes	South Carolina Electric and Gas	SERC	South Carolina	Voltage Reduction; Public Appeal; Load Shed 100+MW due to Severe Weather - Cold	4853	677858
2014	1	01/07/2014 9:00 PM	01/08/2014 9:00 AM	12 Hours, 0 Minutes	PJM Interconnection	RFC	Unknown	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/08/2014 5:00 AM	01/08/2014 6:30 AM	1 Hours, 30 Minutes	American Electric Power	RFC	Unknown	Voltage Reduction due to Severe Weather - Cold	576	Unknown
2014	1	01/08/2014 6:00 AM	01/08/2014 9:00 AM	3 Hours, 0 Minutes	South Carolina Electric and Gas	SERC	South Carolina	Voltage Reduction; Public Appeal; Load Shed 100+MW due to Severe Weather - Cold	4545	677858
2014	1	01/18/2014 9:00 AM	01/18/2014 9:45 AM	0 Hours, 45 Minutes	ERCOT	TRE	Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	1	01/18/2014 5:39 PM	ongoing	ongoing	First Energy Solutions Corp.	RFC	Unknown	Electrical System Islanding	Unknown	Unknown
2014	1	01/23/2014 4:00 AM	01/24/2014 12:00 PM	32 Hours, 0 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/23/2014 1:04 PM	01/24/2014 9:00 AM	19 Hours, 56 Minutes	PJM Interconnection	RFC	Maryland	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/23/2014 4:00 PM	01/24/2014 12:00 PM	20 Hours, 0 Minutes	Tennessee Valley Authority	SERC	Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/24/2014 12:00 AM	ongoing	ongoing	We Energies	RFC	Wisconsin	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	1	01/27/2014 2:20 PM	01/28/2014 9:00 PM	30 Hours, 40 Minutes	PJM Interconnection	RFC	Maryland	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	2	02/05/2014 12:00 AM	02/09/2014 6:00 PM	114 Hours, 0 Minutes	FirstEnergy Corp; Potomac Edison	RFC	Maryland, West Virginia	Severe Weather - Snow/Ice	Unknown	101580
2014	2	02/05/2014 1:00 AM	02/09/2014 8:40 PM	115 Hours, 40 Minutes	FirstEnergy Corp; Met-Ed	RFC	Pennsylvania	Severe Weather - Snow/Ice	Unknown	144000
2014	2	02/05/2014 5:00 AM	02/05/2014 5:01 AM	0 Hours, 1 Minutes	Exelon Corporation/PECO	RFC	Pennsylvania	Severe Weather - Snow/Ice	Unknown	715000
2014	2	02/05/2014 7:00 AM	02/23/2014 7:00 AM	432 Hours, 0 Minutes	Upstate New York Power Producers	NPCC	New York	Fuel Supply Emergency - Coal	300	Unknown
2014	2	02/05/2014 7:35 AM	02/07/2014 4:03 AM	44 Hours, 28 Minutes	PPL Electric Utilities Corp	RFC	Lancaster Region; Pennsylvania	Severe Weather - Snow/Ice	Unknown	62159
2014	2	02/05/2014 8:05 AM	02/05/2014 8:06 AM	0 Hours, 1 Minutes	Baltimore Gas & Electric Company	RFC	Baltimore, Maryland	Severe Weather - Ice	800	181000
2014	2	02/06/2014 1:00 PM	02/06/2014 10:00 PM	9 Hours, 0 Minutes	California ISO	WECC	California	Fuel Supply Emergency - Natural Gas	4000	Unknown
2014	2	02/06/2014 1:05 PM	02/06/2014 7:15 PM	6 Hours, 10 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Fuel Supply Emergency - Natural Gas	160	Unknown
2014	2	02/06/2014 1:58 PM	02/06/2014 8:40 PM	6 Hours, 42 Minutes	American Electric Power	TRE	Rio Grande Valley Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/06/2014 2:15 PM	02/06/2014 7:39 PM	5 Hours, 24 Minutes	Southern California Edison	WECC	California	Fuel Supply Emergency - Natural Gas	611	Unknown
2014	2	02/06/2014 3:35 PM	02/07/2014 11:30 AM	19 Hours, 55 Minutes	ERCOT	TRE	ERCOT Region Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/07/2014 7:00 AM	03/21/2014 8:00 AM	1,009 Hours, 0 Minutes	Somerset Operating Company, LLC	NPCC	Niagara County New York	Fuel Supply Emergency - Coal	675	Unknown
2014	2	02/07/2014 4:30 PM	02/08/2014 9:00 AM	16 Hours, 30 Minutes	ERCOT	TRE	ERCOT Region Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/07/2014 4:50 PM	02/07/2014 8:30 PM	3 Hours, 40 Minutes	American Electric Power	TRE	Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/12/2014 7:48 AM	02/15/2014 4:30 AM	68 Hours, 42 Minutes	Southern Company	SERC	Northern/Northeastern Georgia	Severe Weather - Snow/Ice	1246	373835
2014	2	02/12/2014 11:03 AM	02/15/2014 8:40 AM	69 Hours, 37 Minutes	South Carolina Electric and Gas	SERC	South Carolina	Severe Weather - Snow/Ice	700	120124
2014	2	02/12/2014 12:10 PM	02/15/2014 3:20 PM	75 Hours, 10 Minutes	Duke Energy Progress	SERC	North Carolina	Severe Weather - Snow/Ice	Unknown	200000
2014	2	02/20/2014 4:40 PM	02/21/2014 11:59 PM	31 Hours, 19 Minutes	Ameren Missouri	SERC	Missouri, Illinois	Severe Weather - Snow/Ice	Unknown	66000
2014	2	02/21/2014 2:53 AM	02/21/2014 9:00 AM	18 Hours, 7 Minutes	Southern Company	SERC	Northern/Northeastern Georgia	Severe Weather - Thunderstorms/High Winds	221	66445
2014	3	03/02/2014 7:00 PM	03/04/2014 9:00 AM	38 Hours, 0 Minutes	ERCOT	TRE	ERCOT Region Texas	Public Appeal due to Severe Weather - Cold	N/A	N/A
2014	3	03/03/2014 1:48 AM	03/03/2014 1:49 AM	0 Hours, 1 Minutes	Public Utility District #1 of Chelan County (CHPD)	WECC	Mid-Columbia River Generation, Washington	Fuel Supply Emergency - Hydro	630	Unknown
2014	3	03/03/2014 6:40 AM	03/03/2014 3:28 PM	8 Hours, 48 Minutes	Tennessee Valley Authority	SERC	Tennessee	Severe Weather - Winter Storm	Unknown	65904
2014	3	03/04/2014 9:06 AM	03/17/2014 9:06 AM	312 Hours, 0 Minutes	Wisconsin Public Service Corp	MRO	Weston, Wisconsin	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	3	03/07/2014 3:30 AM	03/07/2014 9:00 PM	17 Hours, 30 Minutes	Duke Energy Carolinas	SERC	Triad, North Carolina	Severe Weather - Winter Storm	1500	370900
2014	3	03/12/2014 7:35 PM	03/13/2014 12:00 PM	16 Hours, 25 Minutes	Duke Energy Carolinas	SERC	North Carolina	Severe Weather - High Winds	250	61377
2014	3	03/26/2014 1:37 PM	03/26/2014 2:33 PM	0 Hours, 56 Minutes	Peak Reliability	WECC	Montana	Electrical System Separation (Islanding)	Unknown	Unknown
2014	3	03/31/2014 3:41 PM	03/31/2014 8:08 PM	4 Hours, 27 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	System Wide Voltage Reduction	Unknown	Unknown
2014	4	04/03/2014 12:00 AM	ongoing	ongoing	City of Garland / Texas Municipal Power Agency	TRE	Texas	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	4	04/03/2014 2:45 PM	04/09/2014 11:53 AM	141 Hours, 8 Minutes	We Energies	MRO	Wisconsin	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	4	04/04/2014 3:30 AM	04/04/2014 8:15 AM	4 Hours, 45 Minutes	Entergy Services, Inc.	SERC	Central Arkansas	Severe Weather - Wind	Unknown	57200
2014	4	04/08/2014 11:09 AM	04/08/2014 11:20 AM	0 Hours, 11 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	Voltage Reduction	Unknown	Unknown
2014	4	04/12/2014 6:15 PM	04/14/2014 9:00 AM	38 Hours, 45 Minutes	Consumers Energy	RFC	Western and Central Michigan	Severe Weather - Thunderstorms	Unknown	50000
2014	4	04/12/2014 8:00 PM	04/15/2014 7:30 PM	71 Hours, 30 Minutes	Detroit Edison Company	RFC	Michigan	Severe Weather	Unknown	164000
2014	4	04/23/2014 7:45 PM	04/23/2014 8:37 PM	0 Hours, 52 Minutes	MISO / Entergy Transmission	SERC	Baton Rouge, Louisiana	Load shedding of 100 Megawatts	163	28000
2014	4	04/24/2014 3:02 PM	04/24/2014 5:13 PM	2 Hours, 11 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	4	04/27/2014 9:15 AM	ongoing	ongoing	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	9750	4000000
2014	4	04/29/2014 9:37 AM	05/01/2014 9:00 AM	47 Hours, 23 Minutes	Tennessee Valley Authority	SERC	Northeastern Mississippi, Northern Alabama	Severe Weather - Thunderstorms	Unknown	57000
2014	4	04/29/2014 11:30 PM	04/29/2014 12:30 PM	-11 Hours, 0 Minutes	Southern Company	SERC	Mississippi, Alabama	Severe Weather - Thunderstorms	355	106648
2014	4	04/30/2014 3:50 AM	04/30/2014 2:00 PM	10 Hours, 10 Minutes	Southern Company	SERC	Alabama, Florida, Georgia	Severe Weather - Thunderstorms	296	89000
2014	5	05/09/2014 6:00 PM	05/11/2014 1:00 PM	43 Hours, 0 Minutes	Vectren Energy Delivery of Indiana	RFC	Indiana	Severe Weather - Heavy Winds	Unknown	56000

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2014

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2014	5	05/14/2014 3:34 PM	ongoing	ongoing	San Diego Gas & Electric Company	WECC	San Diego & Orange Counties, California	Public Appeal to Reduce Electricity Usage - Wild Fires	N/A	N/A
2014	5	05/15/2014 10:43 AM	ongoing	ongoing	San Diego Gas & Electric Co	WECC	San Diego & Orange Counties, California	Public Appeal to Reduce Electricity Usage - Wild Fires	3300	1400000
2014	5	05/16/2014 10:43 AM	05/16/2014 9:00 PM	10 Hours, 17 Minutes	San Diego Gas & Electric Co	WECC	San Diego & Orange Counties, California	Public Appeal to Reduce Electricity Usage - Wild Fires	3900	1400000
2014	5	05/26/2014 12:31 PM	05/26/2014 1:18 PM	0 Hours, 47 Minutes	Peak Reliability	WECC	British Columbia & Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	6	06/03/2014 3:32 PM	06/03/2014 3:59 PM	0 Hours, 27 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	338	N/A
2014	6	06/05/2014 3:00 AM	06/07/2014 11:45 PM	68 Hours, 45 Minutes	Memphis Light Gas and Water Division	SERC	Shelby County, Tennessee	Severe Weather - Thunderstorms	494	38500
2014	6	06/05/2014 1:06 PM	06/05/2014 1:07 PM	0 Hours, 1 Minutes	Tennessee Valley Authority	SERC	West Tennessee	Severe Weather - Thunderstorms	Unknown	56475
2014	6	06/06/2014 1:00 PM	ongoing	ongoing	Luminant Energy Company, LLC	ERCOT	Texas	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	6	06/07/2014 11:00 PM	06/08/2014 5:30 AM	6 Hours, 30 Minutes	Southern Company	SERC	North and Central , Alabama	Severe Weather - Thunderstorms	217	65000
2014	6	06/09/2014 11:07 AM	06/09/2014 11:30 AM	0 Hours, 23 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	6	06/10/2014 9:50 PM	06/11/2014 2:30 PM	16 Hours, 40 Minutes	American Electric Power	RFC	West Virginia	Severe Weather - Thunderstorms	Unknown	66383
2014	6	06/15/2014 12:00 AM	06/15/2014 1:00 AM	1 Hours, 0 Minutes	Xcel Energy	MRO	Central Minnesota	Severe Weather - Thunderstorms	Unknown	55951
2014	6	06/18/2014 5:00 PM	06/20/2014 3:00 PM	46 Hours, 0 Minutes	Detroit Edison Co	RFC	Southeast Michigan	Severe Weather - Thunderstorms	Unknown	138802
2014	6	06/27/2014 1:21 PM	ongoing	ongoing	We Energies	MRO	Wisconsin	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	6	06/30/2014 5:55 PM	07/01/2014 2:53 AM	8 Hours, 58 Minutes	We Energies	MRO	Southeast Wisconsin	Severe Weather - Thunderstorms	424	120000
2014	6	06/30/2014 8:00 PM	07/02/2014 6:30 PM	46 Hours, 30 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather - Thunderstorms	Unknown	420000
2014	6	06/30/2014 11:20 PM	07/01/2014 5:00 PM	17 Hours, 40 Minutes	Northern Indiana Public Service Company	RFC	North Central Indiana	Severe Weather - Thunderstorms	Unknown	127000
2014	7	07/01/2014 3:30 AM	ongoing	ongoing	Consumers Energy Co	RFC	Southwest Michigan	Severe Weather - Thunderstorms	Unknown	51000
2014	7	07/01/2014 4:00 AM	07/03/2014 11:30 PM	67 Hours, 30 Minutes	Detroit Edison Co	RFC	Southeast Michigan	Severe Weather - Thunderstorms	Unknown	140000
2014	7	07/01/2014 5:00 AM	07/02/2014 2:00 AM	21 Hours, 0 Minutes	American Electric Power	RFC	Indiana, Michigan	Severe Weather - Thunderstorms	Unknown	57237
2014	7	07/02/2014 8:39 AM	07/28/2014 3:13 PM	630 Hours, 34 Minutes	We Energies	MRO	Wisconsin	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	7	07/03/2014 6:00 PM	07/06/2014 12:00 PM	66 Hours, 0 Minutes	Exelon Corporation/PECO	RFC	Pennsylvania	Severe Weather - Thunderstorms	Unknown	298165
2014	7	07/03/2014 10:55 PM	07/04/2014 1:50 AM	2 Hours, 55 Minutes	ISO New England	NPCC	Vermont, New Hampshire, Maine, Rhode Island, Massachusetts, Connecticut	Severe Weather - Thunderstorms	Unknown	64000
2014	7	07/08/2014 5:30 PM	07/10/2014 3:00 PM	45 Hours, 30 Minutes	PPL Electric Utilities Corp	RFC	Central and Northeastern Pennsylvania	Severe Weather - Thunderstorms	Unknown	66000
2014	7	07/08/2014 5:30 PM	07/12/2014 11:20 PM	101 Hours, 50 Minutes	FirstEnergy Corp: Potomac Edison	RFC	Maryland, West Virginia	Severe Weather - Thunderstorms	Unknown	96000
2014	7	07/08/2014 5:30 PM	07/12/2014 11:30 PM	102 Hours, 0 Minutes	FirstEnergy Corp: Mon Power	RFC	West Virginia	Severe Weather - Thunderstorms	Unknown	71000
2014	7	07/08/2014 6:00 PM	07/11/2014 5:53 PM	71 Hours, 53 Minutes	FirstEnergy Corp: Met-Ed	RFC	Eastern Pennsylvania	Severe Weather - Thunderstorms	Unknown	69000
2014	7	07/08/2014 7:21 PM	07/11/2014 7:00 AM	59 Hours, 39 Minutes	Niagara Mohawk Power Corporation (dba National Grid)	NPCC	Upstate New York	Severe Weather - Thunderstorms	Unknown	65000
2014	7	07/08/2014 8:30 PM	07/11/2014 11:00 PM	74 Hours, 30 Minutes	Exelon Corporation/PECO	RFC	Pennsylvania	Severe Weather - Thunderstorms	Unknown	260000
2014	7	07/08/2014 9:31 PM	ongoing	ongoing	Baltimore Gas & Electric Company	RFC	Maryland	Severe Weather - Thunderstorms	Unknown	56600
2014	7	07/23/2014 7:14 PM	07/24/2014 12:23 AM	5 Hours, 9 Minutes	American Electric Power	SERC	Arkansas, Louisiana	Severe Weather - Thunderstorms	Unknown	57299
2014	7	07/24/2014 4:29 PM	07/24/2014 11:32 PM	7 Hours, 3 Minutes	Southern California Edison	WECC	California	Load shedding of 100 Megawatts	126	26856
2014	7	07/27/2014 5:00 PM	07/28/2014 11:00 PM	30 Hours, 0 Minutes	Detroit Edison Co	RFC	Southeast Michigan	Severe Weather - Thunderstorms	Unknown	156611
2014	7	07/27/2014 11:00 PM	07/28/2014 4:00 AM	5 Hours, 0 Minutes	California Department of Water Resources	WECC	Central California	Uncontrolled Loss of 300 Megawatts	480	1

Note: Customers affected are estimates and are preliminary. Source: Form OE-417, "Electric Emergency Incident and Disturbance Report."

Table B.2 Major Disturbances and Unusual Occurrences, 2013

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2013	1	01/17/2013 6:07 PM	01/20/2013 7:30 PM	73 Hours, 23 Minutes	American Electric Power (AEP)	RFC	Southwest Virginia, Southern West Virginia	Severe Weather - Winter Storm	Unknown	127000
2013	1	01/17/2013 7:02 PM	01/19/2013 6:00 PM	46 Hours, 58 Minutes	Tennessee Valley Authority	SERC	Northeast Tennessee	Severe Weather - Winter Storm	Unknown	80000
2013	1	01/17/2013 8:35 PM	01/17/2013 9:20 PM	0 Hours, 45 Minutes	North Carolina Eastern M P A	SERC	Elizabeth City, North Carolina	Distribution Interruption	40	12000
2013	1	01/20/2013 3:30 AM	01/23/2013 6:15 AM	74 Hours, 45 Minutes	Detroit Edison Co	RFC	Southeastern Michigan	Severe Weather - Wind Storm	Unknown	146500
2013	1	01/31/2013 3:05 AM	01/31/2013 4:48 AM	1 Hours, 43 Minutes	Dominion Virginia Power	SERC	Central and Eastern Virginia	Severe Weather - Wind Storm	188	119000
2013	1	01/31/2013 6:30 AM	01/31/2013 10:00 AM	3 Hours, 30 Minutes	ISO New England	NPCC	Connecticut	Severe Weather - Wind Storm	75	75000
2013	2	02/08/2013 11:38 AM	02/08/2013 2:17 PM	2 Hours, 39 Minutes	Potomac Electric Power Company	RFC	District of Columbia; Prince George's County Maryland	Equipment Trip & Failure	140	52000
2013	2	02/08/2013 8:00 PM	02/11/2013 8:30 PM	72 Hours, 30 Minutes	ISO New England/National Grid	NPCC	Central and eastern Massachusetts; Rhode Island	Severe Weather - Winter Storm	N/A	50000
2013	2	02/08/2013 8:55 PM	02/12/2013 4:00 AM	79 Hours, 5 Minutes	ISO New England/NSTAR	NPCC	Boston area and Southeast Massachusetts	Severe Weather - Winter Storm	Unknown	50000
2013	2	02/10/2013 7:46 PM	02/10/2013 8:15 PM	0 Hours, 29 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	Generator Trip; Voltage Reduction	350	Unknown
2013	2	02/13/2013 5:39 PM	02/15/2013 5:50 PM	48 Hours, 11 Minutes	Footprint Power Salem Harbor Operations LLC	NPCC	Eastern Massachusetts	Fuel Supply Emergency - Petroleum	1	1
2013	2	02/20/2013 4:01 PM	02/20/2013 12:55 PM	20 Hours, 54 Minutes	Pacific Gas & Electric Co	WECC	Stockton, California	Electrical System Separation (Islanding)	13850	6810
2013	2	02/26/2013 1:00 PM	03/01/2013 10:00 AM	69 Hours, 0 Minutes	Associated Electric Coop, Inc	SERC	Northern Missouri	Severe Weather - Winter Storm	Unknown	56444
2013	3	03/03/2013 6:39 AM	03/03/2013 10:29 AM	3 Hours, 50 Minutes	Pacific Gas & Electric Co	WECC	Merced County, California	Transmission System Interruption	300	58850
2013	3	03/04/2013 9:49 AM	03/04/2013 10:00 PM	12 Hours, 11 Minutes	Puerto Rico Electric Power Authority	N/A	Metropolitan area Puerto Rico	Equipment Failure; Transmission System Interruption	Unknown	Unknown
2013	3	03/06/2013 8:22 AM	03/07/2013 10:27 AM	26 Hours, 5 Minutes	Dominion Virginia Power	SERC	Northwest Virginia	Severe Weather - Winter Storm	400	233000
2013	3	03/16/2013 5:21 AM	03/18/2013 5:41 AM	0 Hours, 20 Minutes	Puerto Rico Electric Power Authority	N/A	Systemwide Puerto Rico	Generator Trip; Load Shed	350	262937
2013	3	03/18/2013 7:30 PM	03/20/2013 2:30 PM	43 Hours, 0 Minutes	Southern Company	SERC	North/Central Alabama; Georgia	Severe Weather - Thunderstorms	800	240000
2013	4	04/18/2013 3:00 PM	04/21/2013 3:30 AM	60 Hours, 30 Minutes	Detroit Edison Co	RFC	Southeast Michigan, Michigan	Severe Weather - Storms and Wind	Unknown	99000
2013	4	04/23/2013 12:49 AM	04/23/2013 4:04 AM	3 Hours, 15 Minutes	Pacific Gas & Electric Co	WECC	South of Humboldt California	Electrical System Separation (Islanding)	80	1
2013	5	05/01/2013 9:22 AM	05/01/2013 9:24 AM	0 Hours, 2 Minutes	Xcel Energy/Public Service Company of Colorado	WECC	Northeast Colorado	Electrical System Separation (Islanding)	123	35230
2013	5	05/02/2013 6:52 AM	05/02/2013 10:07 AM	3 Hours, 15 Minutes	WECC	WECC	Unknown	Electrical System Separation (Islanding)	Unknown	Unknown
2013	5	05/09/2013 1:21 PM	05/09/2013 4:21 PM	3 Hours, 0 Minutes	WECC	WECC	Alberta, Canada; Washington State	Electrical System Separation (Islanding)	Unknown	Unknown
2013	5	05/13/2013 12:52 PM	12/01/2013 12:00 AM	4,835 Hours, 8 Minutes	California Department of Water Resources	WECC	Central California	Fuel Supply Emergency - Hydro	176	Unknown
2013	5	05/14/2013 12:01 AM	05/14/2013 1:59 PM	13 Hours, 58 Minutes	PacifiCorp	WECC	Portland, Oregon	Vandalism/Theft	N/A	N/A
2013	5	05/20/2013 3:00 PM	05/22/2013 5:00 PM	50 Hours, 0 Minutes	Oklahoma Gas & Electric Co	SPP	Moore, Oklahoma	Severe Weather - Tornadoes	Unknown	41306
2013	5	05/20/2013 5:22 PM	05/20/2013 9:09 PM	3 Hours, 47 Minutes	Entergy Transmission - SOC	SERC	Gonzales Area Louisiana	Generator Trip; Load Shed	103	21800
2013	5	05/22/2013 10:51 AM	05/22/2013 10:57 AM	0 Hours, 6 Minutes	Puerto Rico Electric Power Authority	N/A	System wide Puerto Rico	System Wide Voltage Reduction	280	197287
2013	5	05/29/2013 8:58 PM	05/31/2013 2:53 PM	41 Hours, 55 Minutes	Niagara Mohawk Power Corp.	NPCC	Central and Eastern New York	Severe Weather - Thunderstorms	Unknown	61795
2013	5	05/31/2013 1:00 AM	05/31/2013 1:30 AM	0 Hours, 30 Minutes	Southwest Power Pool, Inc.	SPP	Maumelle, Arkansas	Severe Weather - Lightning	N/A	N/A
2013	5	05/31/2013 6:00 PM	06/04/2013 10:30 AM	88 Hours, 30 Minutes	Oklahoma Gas & Electric Co	SPP	El Reno, S. Oklahoma City, Oklahoma	Severe Weather - Tornadoes	Unknown	127000
2013	5	05/31/2013 7:07 PM	06/01/2013 2:15 PM	19 Hours, 8 Minutes	Coffeyville Municipal Light and Power	MRO	Southeast Kansas, Northeast Oklahoma	Transmission System Interruption	102	6300
2013	5	05/31/2013 7:30 PM	06/01/2013 8:00 PM	24 Hours, 30 Minutes	Ameren Missouri	SERC	St. Louis Metro Area Missouri	Severe Weather - Thunderstorms	Unknown	100000
2013	6	06/03/2013 12:50 PM	06/03/2013 1:36 PM	0 Hours, 46 Minutes	WECC RC Vancouver	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2013	6	06/13/2013 1:17 PM	06/14/2013 5:35 PM	28 Hours, 18 Minutes	Duke Energy Carolinas	SERC	Western Piedmont North Carolina	Severe Weather - Thunderstorms	1000	175000
2013	6	06/13/2013 3:20 PM	06/14/2013 9:10 PM	29 Hours, 50 Minutes	American Electric Power	RFC; SERC	Ohio, Virginia; West Virginia	Severe Weather - Thunderstorms	Unknown	90247
2013	6	06/13/2013 3:30 PM	06/13/2013 4:00 PM	0 Hours, 30 Minutes	Potomac Electric Power Company	RFC	District of Columbia; Maryland	Loss of 300+ MW Load; Severe Weather - Thunderstorms	700	40000
2013	6	06/13/2013 4:08 PM	06/14/2013 5:16 PM	25 Hours, 8 Minutes	Dominion Virginia Power	SERC	Richmond Metro area, Virginia	Severe Weather - Thunderstorms	900	283000
2013	6	06/13/2013 5:45 PM	06/14/2013 6:30 PM	24 Hours, 45 Minutes	Duke Energy Progress	SERC	Central and Eastern North Carolina	Severe Weather - Thunderstorms	Unknown	53000
2013	6	06/13/2013 8:47 PM	06/14/2013 10:47 PM	26 Hours, 0 Minutes	Southern Company	SERC	Southern Company Territory	Severe Weather - Thunderstorms	550	165798
2013	6	06/17/2013 4:17 PM	06/17/2013 6:49 PM	2 Hours, 32 Minutes	Tampa Electric Co	FRCC	Hillsborough County Florida	Load Shed of 100+ MW Under Emergency Operational Policy	180	37
2013	6	06/18/2013 3:51 PM	06/18/2013 4:23 PM	0 Hours, 32 Minutes	Western Area Power Administration	WECC	Wyoming	Electrical System Separation (Islanding)	6	Unknown
2013	6	06/19/2013 7:57 PM	06/19/2013 8:09 PM	0 Hours, 12 Minutes	Western Electricity Coordinating Council	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2013	6	06/21/2013 3:00 AM	06/26/2013 12:00 PM	129 Hours, 0 Minutes	Xcel Energy	MRO	Minnesota	Severe Weather - Hallstorm	Unknown	193000
2013	6	06/21/2013 5:39 PM	06/24/2013 6:00 AM	60 Hours, 21 Minutes	Xcel Energy	MRO	Minneapolis/St. Paul area Minnesota	Severe Weather - Hallstorm	Unknown	400000
2013	6	06/23/2013 9:20 PM	06/24/2013 1:35 AM	4 Hours, 15 Minutes	Pacific Gas & Electric Co	WECC	Central Coast California	Severe Weather - Fog	Unknown	148000
2013	6	06/24/2013 7:30 PM	06/25/2013 5:46 PM	22 Hours, 16 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather - Thunderstorms	Unknown	283451
2013	6	06/24/2013 7:30 PM	06/28/2013 5:00 PM	45 Hours, 30 Minutes	Northern Indiana Public Service Company	RFC	Indiana	Severe Weather - Thunderstorms	Unknown	86615
2013	6	06/27/2013 5:00 PM	06/28/2013 12:00 AM	7 Hours, 0 Minutes	Detroit Edison Co	RFC	South Eastern Michigan	Severe Weather - Thunderstorms	Unknown	138000
2013	6	06/28/2013 6:02 PM	06/28/2013 8:46 PM	2 Hours, 44 Minutes	Southern California Edison Co	WECC	Los Angeles and Orange Counties, California	Equipment Failure	240	65255
2013	7	07/02/2013 2:20 PM	07/05/2013 3:30 PM	73 Hours, 10 Minutes	Western Electricity Coordinating Council	WECC	Alberta, Canada	Load Shed 100+MW	200	Unknown
2013	7	07/03/2013 12:04 PM	07/03/2013 12:48 PM	0 Hours, 44 Minutes	Puerto Rico Electric Power Authority	N/A	System-wide Puerto Rico	Voltage Reduction; Line and Generator Trip	480	393000
2013	7	07/10/2013 5:30 PM	07/11/2013 8:00 PM	26 Hours, 30 Minutes	American Electric Power	RFC	AEP Ohio Power Footprint	Severe Weather - Thunderstorms	N/A	122314
2013	7	07/17/2013 3:30 PM	07/19/2013 6:45 AM	39 Hours, 15 Minutes	Long Island Power Authority	NPCC	Holtsville, New York	Fuel Supply Emergency (Natural Gas)	417	Unknown
2013	7	07/18/2013 11:30 AM	07/19/2013 5:30 PM	30 Hours, 0 Minutes	Niagara Mohawk Power Corp.	NPCC	Upstate New York	Public Appeal - Heatwave	Unknown	Unknown
2013	7	07/18/2013 11:45 PM	07/19/2013 10:05 AM	10 Hours, 20 Minutes	San Diego Gas & Electric Co	WECC	Southern Orange County California	Equipment Failure	200	123000
2013	7	07/19/2013 6:00 PM	07/20/2013 9:00 AM	15 Hours, 0 Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Thunderstorms	Unknown	156627
2013	7	07/19/2013 10:30 PM	07/21/2013 8:00 PM	45 Hours, 30 Minutes	Niagara Mohawk Power Corporation (dba National Grid)	NPCC	New York	Severe Weather - Thunderstorms	Unknown	74300
2013	7	07/23/2013 11:38 PM	07/25/2013 4:30 AM	28 Hours, 52 Minutes	American Electric Power	SPP	Tulsa, Oklahoma	Severe Weather - Thunderstorms	500	92748
2013	8	08/01/2013 6:54 PM	08/01/2013 7:37 PM	0 Hours, 43 Minutes	WECC RC Vancouver	WECC	Western British Columbia	Electrical System Separation (Islanding)	420	Unknown
2013	8	08/01/2013 11:19 PM	08/02/2013 12:49 AM	1 Hours, 30 Minutes	Florida Power & Light Co	FRCC	Daytona Beach Florida	Load Shed 200+ MW	297	104498
2013	8	08/05/2013 6:35 PM	08/05/2013 6:45 PM	0 Hours, 10 Minutes	WECC RC Vancouver	WECC	Alberta, Canada	Electrical System Separation (Islanding); Severe Weather	Unknown	Unknown
2013	8	08/07/2013 12:15 AM	08/07/2013 9:27 PM	21 Hours, 12 Minutes	We Energies	MRO	Eastern Central Wisconsin	Severe Weather - Thunderstorms	220	51160
2013	8	08/07/2013 7:30 AM	08/07/2013 9:14 AM	1 Hours, 44 Minutes	Wisconsin Public Service Corp	MRO	Wisconsin	Fuel Supply Emergency (Natural Gas & Fuel Oil)	Unknown	Unknown

Table B.2 Major Disturbances and Unusual Occurrences, 2013

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2013	8	08/16/2013 4:58 PM	08/17/2013 11:58 PM	31 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston Service Area Texas	Severe Weather - Thunderstorms	Unknown	219681
2013	8	08/19/2013 7:06 PM	08/20/2013 6:02 AM	10 Hours, 56 Minutes	Southern California Edison Co	WECC	Central California	Severe Weather - Lightning Strike	685	124000
2013	8	08/29/2013 2:57 PM	08/29/2013 3:29 PM	0 Hours, 32 Minutes	Xcel Energy	MRO	Ashland, Wisconsin	Electrical System Separation (Islanding); Severe Weather - Thunderstorms	15	7000
2013	8	08/30/2013 7:30 PM	08/31/2013 1:30 AM	6 Hours, 0 Minutes	Exelon Corporation/ComEd	RFC	Entire ComEd territory Illinois	Severe Weather - Thunderstorms	Unknown	157000
2013	9	09/10/2013 5:42 PM	09/11/2013 12:02 AM	6 Hours, 20 Minutes	PJM Interconnection	RFC	Erie, Pennsylvania	Load Shed of 100+ MW	105	Unknown
2013	9	09/11/2013 4:00 PM	09/15/2013 4:00 PM	96 Hours, 0 Minutes	Detroit Edison Co	RFC	Southeastern Michigan	Severe Weather - Thunderstorms	400	75000
2013	10	10/21/2013 5:18 AM	10/21/2013 5:33 AM	0 Hours, 15 Minutes	Pacific Gas & Electric Co	WECC	Location Unknown	Electrical System Separation (Islanding)	115	433
2013	10	10/27/2013 4:27 AM	10/27/2013 10:27 PM	18 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston, Texas	Severe Weather - Hall Storm	Unknown	171117
2013	11	11/02/2013 12:00 AM	11/04/2013 6:00 AM	54 Hours, 0 Minutes	Puget Sound Energy	WECC	King, Whatcom, and Skagit, Washington	Severe Weather - Heavy Winds	Unknown	105000
2013	11	11/12/2013 9:14 AM	11/12/2013 10:30 AM	1 Hours, 16 Minutes	Farmers' Electric Coop, Inc	SPP	Eastern Central New Mexico	Loss of Power from Wholesale Provider, Major Distribution Disruption	Unknown	Unknown
2013	11	11/12/2013 2:04 PM	11/12/2013 2:05 PM	0 Hours, 1 Minutes	Pacific Gas & Electric Co	WECC	Valle, California	Electrical System Separation (Islanding)	55	48400
2013	11	11/17/2013 7:00 AM	11/20/2013 6:54 PM	83 Hours, 54 Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Ice and Snow Storm	Unknown	325325
2013	11	11/17/2013 12:35 PM	11/17/2013 1:40 PM	1 Hours, 5 Minutes	City of Rochelle	RFC	Rochelle, Indiana	System-wide voltage reductions of 3 percent or more	38	7500
2013	11	11/17/2013 12:35 PM	11/20/2013 11:00 AM	70 Hours, 25 Minutes	Ameren Missouri	SERC	Central Missouri, Central Illinois	Severe Weather - Tornadoes	Unknown	200000
2013	11	11/17/2013 1:06 PM	11/20/2013 1:06 PM	72 Hours, 0 Minutes	Northern Indiana Public Service Company	RFC	North Central Indiana	Severe Weather - Thunderstorms	Unknown	75065
2013	11	11/17/2013 2:31 PM	11/17/2013 10:30 PM	7 Hours, 59 Minutes	Commonwealth Edison Co	RFC	Entire ComEd Territory Illinois	Severe Weather - Thunderstorms	Unknown	190000
2013	11	11/17/2013 4:19 PM	11/18/2013 6:00 PM	25 Hours, 41 Minutes	American Electric Power	RFC	Indiana, Michigan	Severe Weather - Thunderstorms	Unknown	77346
2013	11	11/17/2013 4:45 PM	11/21/2013 4:45 PM	96 Hours, 0 Minutes	Consumers Energy Co	RFC	Entire Lower Peninsula Michigan	Severe Weather - Thunderstorms	Unknown	50000
2013	11	11/17/2013 4:47 PM	11/20/2013 11:59 AM	67 Hours, 12 Minutes	Duke Energy Indiana Inc	RFC	Central Indiana	Severe Weather - Tornadoes	535	61705
2013	11	11/17/2013 4:47 PM	11/20/2013 4:47 PM	72 Hours, 0 Minutes	Duke Energy Midwest	RFC	Central Indiana	Severe Weather - Thunderstorms	Unknown	61705
2013	11	11/21/2013 7:45 PM	11/22/2013 3:20 AM	7 Hours, 35 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather - Wind Storm	150	89500
2013	12	12/04/2013 5:00 AM	12/04/2013 4:17 PM	11 Hours, 17 Minutes	WECC - Loveland	WECC	Idaho Falls Area Idaho, Utah-Idaho Border Utah	Load Shed 100+ MW	150	Unknown
2013	12	12/06/2013 1:51 AM	12/11/2013 12:00 PM	130 Hours, 9 Minutes	Oncor Electric Delivery Company LLC	TRE	Greater Houston, Texas	Severe Weather - Ice/Snow	Unknown	881000
2013	12	12/09/2013 6:54 AM	12/09/2013 2:22 PM	7 Hours, 28 Minutes	Dominion Virginia Power	SERC	Virginia Service Territory	Severe Weather - Ice/Snow	293	88000
2013	12	12/13/2013 11:00 AM	12/27/2013 11:00 AM	336 Hours, 0 Minutes	Texas Municipal Power Agency	TE	Texas	Fuel Supply Emergencies (Coal)	Unknown	Unknown
2013	12	12/13/2013 11:00 AM	12/27/2013 11:00 AM	336 Hours, 0 Minutes	City of Garland	TRE	Texas	Fuel Supply Emergencies (Coal)	Unknown	Unknown
2013	12	12/22/2013 3:28 AM	12/28/2013 11:45 PM	164 Hours, 17 Minutes	Consumers Energy Co	RFC	Southern Lower Peninsula, Michigan	Severe Weather - Ice/Snow	Unknown	50000
2013	12	12/22/2013 6:16 AM	12/24/2013 11:59 PM	65 Hours, 43 Minutes	Niagara Mohawk Power Corp.	NPCC	Frontier/Genesee/Northern New York	Severe Weather - Ice/Snow	Unknown	59000
2013	12	12/22/2013 6:30 AM	12/25/2013 5:12 AM	70 Hours, 42 Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Ice/Snow	350	140735
2013	12	12/23/2013 3:20 PM	12/25/2013 11:32 AM	44 Hours, 12 Minutes	Central Maine Power Co	NPCC	Central Maine Maine	Severe Weather - Ice/Snow	Unknown	52500

Note: Customers affected are estimates and are preliminary. Source: Form OE-417, 'Electric Emergency Incident and Disturbance Report.'

Appendix C

Technical notes

This appendix describes how the U. S. Energy Information Administration (EIA) collects, estimates, and reports electric power data in the EPM.

Data quality

The EPM is prepared by the Office of Electricity, Renewables & Uranium Statistics (ERUS), Energy Information Administration (EIA), U. S. Department of Energy. Quality statistics begin with the collection of the correct data. To assure this, ERUS performs routine reviews of the data collected and the forms on which it is collected. Additionally, to assure that the data are collected from the correct parties, ERUS routinely reviews the frames for each data collection.

Automatic, computerized verification of keyed input, review by subject matter specialists, and follow-up with nonrespondents assure quality statistics. To ensure the quality standards established by the EIA, formulas that use the past history of data values in the database have been designed and implemented to check data input for errors automatically. Data values that fall outside the ranges prescribed in the formulas are verified by telephoning respondents to resolve any discrepancies. All survey nonrespondents are identified and contacted.

Reliability of data

There are two types of errors possible in an estimate based on a sample survey: sampling and non-sampling. Sampling errors occur because observations are made only on a sample, not on the entire population. Non-sampling errors can be attributed to many sources in the collection and processing of data. The accuracy of survey results is determined by the joint effects of sampling and non-sampling errors. Monthly sample survey data have both sampling and non-sampling error. Annual survey data are collected by a census and are not subject to sampling error.

Non-sampling errors can be attributed to many sources: (1) inability to obtain complete information about all cases in the sample (i.e., nonresponse); (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. Note that for the cutoff sampling and model-based regression (ratio) estimation that we use, data 'missing' due to nonresponse, and data 'missing' due to being out-of-sample are treated in the same manner. Therefore missing data may be considered to result in sampling error, and variance estimates reflect all missing data.

Although no direct measurement of the biases due to non-sampling errors can be obtained, precautionary steps were taken in all phases of the frame development and data collection, processing, and tabulation processes, in an effort to minimize their influence. See the Data Processing and Data System Editing section for each EIA form for an in-depth discussion of how the sampling and non-sampling errors are handled in each case.

Relative Standard Error: The relative standard error (RSE) statistic, usually given as a percentage, describes the magnitude of sampling error that might reasonably be incurred. The RSE is the square root of the estimated variance, divided by the variable of interest. The variable of interest may be the ratio of two variables, or a single variable.

The sampling error may be less than the non-sampling error. In fact, large RSE estimates found in preliminary work with these data have often indicated non-sampling errors, which were then identified and corrected. Non-sampling errors may be attributed to many sources, including the response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding data obtained, and other errors of collection, response, or coverage. These non-sampling errors also occur in complete censuses.

Using the Central Limit Theorem, which applies to sums and means such as are applicable here, there is approximately a 68 percent chance that the true total or mean is within one RSE of the estimated total or mean. Note that reported RSEs are always estimates themselves, and are usually, as here, reported as percentages. As an example, suppose that a net generation from coal value is estimated to be 1,507 million kilowatthours with an estimated RSE of 4.9 percent. This means that, ignoring any non-sampling error, there is approximately a 68 percent chance that the true million kilowatthour value is within approximately 4.9 percent of 1,507 million kilowatthours (that is, between 1,433 and 1,581 million kilowatthours). Also under the Central Limit Theorem, there is approximately a 95 percent chance that the true mean or total is within 2 RSEs of the estimated mean or total.

Note that there are times when a model may not apply, such as in the case of a substantial reclassification of sales, when the relationship between the variable of interest and the regressor data does not hold. In such a case, the new information may represent only itself, and such numbers are added to model results when estimating totals. Further, there are times when sample data may be known to be in error, or are not reported. Such cases are treated as if they were never part of the model-based sample, and values are imputed. Experiments were done to see if nonresponse should be treated differently, but it was decided to treat those cases the same as out-of-sample cases.

Relative Standard Error With Respect to a Superpopulation: The RSESP statistic is similar to the RSE (described above). Like the RSE, it is a statistic designed to estimate the variability of data and is usually given as a percentage. However, where the RSE is only designed to estimate the magnitude of sampling error, the RSESP more fully reflects the impact of variability from sampling and non-sampling errors. This is a more complete measure than RSE in that it can measure statistical variability in a complete census in addition to a sample^{21,24}. In addition to being a measure of data variability, the RSESP can also be useful in comparing different models that are applied to the same set of data²². This capability is used to test different regression models for imputation and prediction. This testing may include considerations such as comparing different regressors, the comparative reliability of different monthly samples, or the use of different geographical strata or groupings for a given model. For testing purposes, ERUS typically uses recent historical data that have been finalized. Typically, time-series graphics showing two or more models or samples are generated showing the RSESP values over time. In selecting models, consideration is given to total survey error as well as any apparent differences in robustness.

Imputation: For monthly data, if the reported values appeared to be in error and the data issue could not be resolved with the respondent, or if the facility was a nonrespondent, a regression methodology is used to impute for the facility. The same procedure is used to estimate ("predict") data for facilities not in the monthly sample. The regression methodology relies on other data to make estimates for erroneous or missing responses.

Estimation for missing monthly data is accomplished by relating the observed data each month to one or more other data elements (regressors) for which we generally have an annual census. Each year, when new annual regressor data are available, recent monthly relationships are updated, causing slight revisions to estimated monthly results. These revisions are made as soon as the annual data are released.

The basic technique employed is described in the paper "Model-Based Sampling and Inference¹⁶," on the EIA website. Additional references can be found on the InterStat website (<http://interstat.statjournals.net/>). The basis for the current methodology involves a 'borrowing of strength' technique for small domains.

Data revision procedure

ERUS has adopted the following policy with respect to the revision and correction of recurrent data in energy publications:

- Annual survey data are disseminated either as preliminary or final when first appearing in a data product. Data initially released as preliminary will be so noted in the data product. These data are typically released as final by the next dissemination of the same product; however, if final data are available at an earlier interval they may be released in another product.
- All monthly survey data are first disseminated as preliminary. These data are revised after the prior year's data are finalized and are disseminated as revised preliminary. No revisions are made to the published data before this or subsequent to these data being finalized unless significant errors are discovered.
- After data are disseminated as final, further revisions will be considered if they make a difference of 1 percent or greater at the national level. Revisions for differences that do not meet the 1 percent or greater threshold will be determined by the Office Director. In either case, the proposed revision will be subject to the EIA revision policy concerning how it affects other EIA products.
- The magnitudes of changes due to revisions experienced in the past will be included periodically in the data products, so that the reader can assess the accuracy of the data.

Data sources for Electric Power Monthly

Data published in the EPM are compiled from the following sources:

- Form EIA-923, "Power Plant Operations Report,"
- Form EIA 826, "Monthly Electric Utility Sales and Revenues with State Distributions Report,"
- Form EIA 860, "Annual Electric Generator Report,"
- Form EIA-860M, "Monthly Update to the Annual Electric Generator Report," and

- Form EIA 861, “Annual Electric Power Industry Report.”

For access to these forms and their instructions, please see:

<http://www.eia.gov/cneaf/electricity/page/forms.html>.

In addition to the above-named forms, the historical data published in the EPM for periods prior to 2008 are compiled from the following sources:

- FERC Form 423, “Monthly Report of Cost and Quality of Fuels for Electric Plants,”
- Form EIA-423, “Monthly Cost and Quality of Fuels for Electric Plants Report,”
- Form EIA-759, “Monthly Power Plant Report,”
- Form EIA-860A, “Annual Electric Generator Report–Utility,”
- Form EIA-860B, “Annual Electric Generator Report–Nonutility,”
- Form EIA-900, “Monthly Nonutility Power Report,”
- Form EIA-906, “Power Plant Report,” and
- Form EIA-920, “Combined Heat and Power Plant Report.”

See Appendix A of the historical Electric Power Annual reports to find descriptions of forms that are no longer in use. The publications can be found from the top of the current EPA under previous issues: <http://www.eia.gov/electricity/annual>.

Rounding rules for data: To round a number to n digits (decimal places), add one unit to the nth digit if the (n+1) digit is 5 or larger and keep the nth digit unchanged if the (n+1) digit is less than 5. The symbol for a number rounded to zero is (*).

Percent difference: The following formula is used to calculate percent differences:

$$\text{Percent Difference} = \left(\frac{x(t_2) - x(t_1)}{|x(t_1)|} \right) \times 100,$$

where $x(t_1)$ and $x(t_2)$ denote the quantity at year t_1 and subsequent year t_2 .

Meanings of symbols appearing in tables: The following symbols have the meaning described below:

- * The value reported is less than half of the smallest unit of measure, but is greater than zero.
- P Indicates a preliminary value.
- NM Data value is not meaningful, either (1) when compared to the same value for the previous time period, or (2) when a data value is not meaningful due to having a high Relative Standard Error (RSE).
- (*) Usage of this symbol indicates a number rounded to zero.

Form EIA-826

The Form EIA 826, “Monthly Electric Utility Sales and Revenues with State Distributions Report,” is a monthly collection of data from a sample of approximately 500 of the largest electric utilities (primarily investor owned and publicly owned) as well as a census of energy service providers with retail sales in deregulated States. Form EIA-861, with approximately 3,300 respondents, serves as a frame from which the Form 826 sample is drawn. Based on this sample, a model is used to estimate for the entire universe of U.S. electric utilities.

Instrument and design history: The collection of electric power sales data and related information began in the early 1940’s and was established as FPC Form 5 by FPC Order 141 in 1947. In 1980, the report was revised with only selected income items remaining and became the FERC Form 5. The Form EIA 826, “Electric Utility Company Monthly Statement,” replaced the FERC Form 5 in January 1983. In January 1987, the “Electric Utility Company Monthly Statement” was changed to the “Monthly Electric Utility Sales and Revenue Report with State Distributions.” The title was changed again in January 2002 to “Monthly Electric Utility Sales and Revenues with State Distributions Report” to become consistent with other EIA report titles. The Form EIA 826 was revised in January 1990, and some data elements were eliminated.

In 1993, EIA for the first time used a model sample for the Form EIA 826. A stratified random sample, employing auxiliary data, was used for each of the four previous years. The sample for the Form EIA 826 was designed to obtain estimates of electricity sales and average retail price of electricity at the State level by end use sector.

Starting with data for January 2001, the restructuring of the electric power industry was taken into account by forming three schedules on the Form EIA-826. Schedule 1, Part A is for full service utilities that operate as in the past. Schedule 1, Part B is for electric service providers only, and Schedule 1, Part C is for those utilities providing distribution service for those on Schedule 1, Part B. In addition, Schedule 1 Part D is for those retail energy providers or power marketers that provide bundled service. Also, the Form EIA-826 frame was modified to include all investor-owned electric utilities and a sample of companies from other ownership classes. A new method of estimation was implemented at this same time. (See EPM April 2001, p.1.)

With the October 2004 issue of the EPM, EIA published for the first time preliminary electricity sales data for the Transportation Sector. These data are for electricity delivered to and consumed by local, regional, and metropolitan transportation systems. The data being published for the first time in the October EPM included July 2004 data as well as year-to-date. EIA’s efforts to develop these new data have identified anomalies in several States and the District of Columbia. Some of these anomalies are caused by issues such as: 1) Some respondents have classified themselves as outside the realm of the survey. The Form EIA-826 collects retail data from those respondents providing electricity and other services to the ultimate end users. EIA has experienced specific situations where, although the respondents’ customers are the ultimate end users, particular end users qualify under wholesale rate schedules. 2) The Form EIA-826 is a cutoff sample and not intended to be a census.

Beginning with 2008 data and some annual 2007 data, the Form EIA-923 replaced Forms EIA-906, EIA-920, EIA-423, and FERC 423. In addition, several sections of the discontinued Form EIA-767 have been included in either the Form EIA-860 or Form EIA-923. See the following link for a detailed explanation. <http://www.eia.gov/cneaf/electricity/2008forms/consolidate.html>

The legislative authority to collect these data is defined in the Federal Energy Administration Act of 1974 (Public Law 93-275, Sec. 13(b), 5(a), 5(b), 52).

Data processing and data system editing: Monthly Form EIA-826 submission is available via an Internet Data Collection (IDC) system. The completed data are due to EIA by the last calendar day of the month following the reporting month. Nonrespondents are contacted to obtain the data. The data are edited and additional checks are completed. Following verification, imputation is run, and tables and text of the aggregated data are produced for inclusion in the EPM.

Imputation: Regression prediction, or imputation, is done for entities not in the monthly sample and for any nonrespondents. Regressor data for Schedule 1, Part A is the average monthly sales or revenue from the most recent finalized data from survey Form EIA-861. Beginning with January 2008 data and the finalized 2007 data, the regressor data for Schedule 1 Parts B and C is the prior month's data.

Formulas and methodologies: The Form EIA 826 data are collected by end-use sector (residential, commercial, industrial, and transportation) and State. Form EIA 861 data are used as the frame from which the sample is selected and in some instances also as regressor data. Updates are made to the frame to reflect mergers that affect data processing.

With the revised definitions for the commercial and industrial sectors to include all data previously reported as 'other' data except transportation, and a separate transportation sector, all responses that would formerly have been reported under the "other" sector are now to be reported under one of the sectors that currently exist. This means there is probably a lower correlation, in general, between, say, commercial Form EIA-826 data for 2004 and commercial Form EIA-861 data for 2003 than there was between commercial Form EIA-826 data for 2003 and commercial Form EIA-861 data for 2002 or earlier years, although commercial and industrial definitions have always been somewhat nebulous due to power companies not having complete information on all customers.

Data submitted for January 2004 represent the first time respondents were to provide data specifically for the transportation end-use sector.

During 2003 transportation data were collected annually through Form EIA-861. Beginning in 2004 the transportation data were collected on a monthly basis via Form EIA-826. In order to develop an estimate of the monthly transportation data for 2003, values for both retail sales of electricity to ultimate customers and revenue from retail sales of electricity to ultimate customers were estimated using the 2004 monthly profile for the sales and revenues from the data collected via Form EIA-826. All monthly non-transportation data for 2003 (i.e. street lighting, etc.), which were previously reported in the "other" end-use sector on the Form EIA-826 have been prorated into the Commercial and Industrial end-use sectors based on the 2003 Form EIA-861 profile.

A monthly distribution factor was developed for the monthly data collected in 2004 (for the months of January through November). The transportation sales and revenues for December 2004 were assumed to be equivalent to the transportation sales and revenues for November 2004. The monthly distribution factors for January through November were applied to the annual values for transportation sales and revenues collected via Form EIA-861 to develop corresponding 2003 monthly values. The eleven month estimated totals from January through November 2003 were subtracted from the annual values obtained from Form EIA-861 in order to obtain the December 2003 values.

Data from the Form EIA-826 are used to determine estimates by sector at the State, Census division, and national level. State level sales and revenues estimates are first calculated. Then the ratio of revenue divided by sales is calculated to estimate retail price of electricity at the State level. The estimates are accumulated separately to produce the Census division and U.S. level estimates¹.

Some electric utilities provide service in more than one State. To facilitate the estimation, the State service area is actually used as the sampling unit. For each State served by each utility, there is a utility State part, or "State service area." This approach allows for an explicit calculation of estimates for sales, revenue, and average retail price of electricity by end use sector at State, Census division, and national level. Estimation procedures include imputation to account for nonresponse. Non-sampling error must also be considered. The non-sampling error is not estimated directly, although attempts are made to minimize the non-sampling error.

Average retail price of electricity represents the cost per unit of electricity sold and is calculated by dividing retail electric revenue by the corresponding sales of electricity. The average retail price of electricity is calculated for all consumers and for each end-use sector.

The electric revenue used to calculate the average retail price of electricity is the operating revenue reported by the electric utility. Operating revenue includes energy charges, demand charges, consumer service charges, environmental surcharges, fuel adjustments, and other miscellaneous charges. Electric utility operating revenues also include State and Federal income taxes and taxes other than income taxes paid by the utility.

The average retail price of electricity reported in this publication by sector represents a weighted average of consumer revenue and sales within sectors and across sectors for all consumers, and does not reflect the per kWh rate charged by the electric utility to the individual consumers. Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric utility for providing electrical service.

Adjusting monthly data to annual data: As a final adjustment based on our most complete data, use is made of final Form EIA-861 data, when available. The annual totals for Form EIA-826 data by State and end-use sector are compared to the corresponding Form EIA-861 values for sales and revenue. The ratio of these two values in each case is then used to adjust each corresponding monthly value.

Sensitive data: Most of the data collected on the Form EIA-826 are not considered business sensitive. However, revenue, sales, and customer data collected from energy service providers (Schedule 1, Part B), which do not also provide energy delivery, are considered business sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

Form EIA-860

The Form EIA 860, "Annual Electric Generator Report," is a mandatory annual census of all existing and planned electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts. The survey is used to collect data on existing power plants and 10 year plans for constructing new plants, as well as generating unit additions, modifications, and retirements in existing plants. Data on the survey are collected at the generator level. Certain power plant environmental-related data are collected at the boiler level. These data include environmental equipment design parameters, boiler air emission standards, and boiler emission controls. The Form EIA-860 is made available in January to collect data related to the previous year.

Instrument and design history: The Form EIA-860 was originally implemented in January 1985 to collect data as of year-end 1984. It was preceded by several Federal Power Commission (FPC) forms including the FPC Form 4, Form 12 and 12E, Form 67, and Form EIA-411. In January 1999, the Form EIA-860 was renamed the Form EIA-860A, "Annual Electric Generator Report – Utility" and was implemented to collect data from electric utilities as of January 1, 1999.

In 1989, the Form EIA-867, "Annual Nonutility Power Producer Report," was initiated to collect plant data on unregulated entities with a total generator nameplate capacity of 5 or more megawatts. In 1992, the reporting threshold of the Form EIA-867 was lowered to include all facilities with a combined nameplate capacity of 1 or more megawatts. Previously, data were collected every 3 years from facilities with a nameplate capacity between 1 and 5 megawatts. In 1998, the Form EIA-867, was renamed Form EIA-860B, "Annual Electric Generator Report – Nonutility." The Form EIA-860B was a mandatory survey of all existing and planned nonutility electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts.

Beginning with data collected for the year 2001, the infrastructure data collected on the Form EIA-860A and the Form EIA-860B were combined into the new Form EIA-860 and the monthly and annual versions of the Form EIA-906.

Starting with 2007, design parameters data formerly collected on Form EIA-767 were collected on Form EIA-860. These include design parameters associated with certain steam-electric plants' boilers, cooling systems, flue gas particulate collectors, flue gas desulfurization units, and stacks and flues.

The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Estimation of form eia-860 data: EIA received forms from all 18,151 existing generators in the 2010 Form EIA-860 frame, so no imputation was required.

Prime Movers: The Form EIA-860 sometimes represents a generator's prime mover by using the abbreviations in the table below.

Prime Mover Code	Prime Mover Description
BA	Energy Storage, Battery
CE	Energy Storage, Compressed Air
CP	Energy Storage, Concentrated Solar Power
FW	Energy Storage, Flywheel
PS	Energy Storage, Reversible Hydraulic Turbine (Pumped Storage)
ES	Energy Storage, Other
ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (including jet engine design)
IC	Internal Combustion Engine (diesel, piston, reciprocating)
CA	Combined Cycle Steam Part
CT	Combined Cycle Combustion Turbine Part
CS	Combined Cycle Single Shaft
CC	Combined Cycle Total Unit
HA	Hydrokinetic, Axial Flow Turbine
HB	Hydrokinetic, Wave Buoy
HK	Hydrokinetic, Other
HY	Hydroelectric Turbine (including turbines associated with delivery of water by pipeline)
BT	Turbines Used in a Binary Cycle (including those used for geothermal applications)
PV	Photovoltaic
WT	Wind Turbine, Onshore
WS	Wind Turbine, Offshore
FC	Fuel Cell
OT	Other

Energy Sources: The Form EIA-860 sometimes represents the energy sources associated with generators by using the abbreviations and/or groupings in the table below.

Energy Source Grouping	Energy Source Code	Energy Source Description
Coal	ANT	Anthracite Coal
	BIT	Bituminous Coal
	LIG	Lignite Coal
	SUB	Subbituminous Coal
	SGC	Coal-Derived Synthesis Gas
	WC	Waste/Other Coal (including anthracite culm, bituminous gob, fine coal, lignite waste, waste coal)
Petroleum Products	DFO	Distillate Fuel Oil (including diesel, No. 1, No. 2, and No. 4 fuel oils)
	JF	Jet Fuel
	KER	Kerosene
	PC	Petroleum Coke
	PG	Gaseous Propane
	RFO	Residual Fuel Oil (including No. 5, and No. 6 fuel oils, and bunker C fuel oil)
	SG	Synthesis Gas from Petroleum Coke
Natural Gas and Other Gases	WO	Waste/Other Oil (including crude oil, liquid butane, liquid propane, naphtha, oil waste, re-refined motor oil, sludge oil, tar oil, or other petroleum-based liquid wastes)
	BFG	Blast Furnace Gas
	NG	Natural Gas
Nuclear	OG	Other Gas
	NUC	Nuclear (including Uranium, Plutonium, and Thorium)
Hydroelectric Conventional	WAT	Water at a Conventional
	(Prime Mover = HY)	Hydroelectric Turbine, and water used in Wave Buoy Hydrokinetic Technology, Current Hydrokinetic Technology, and Tidal Hydrokinetic Technology
Hydroelectric Pumped Storage	WAT	Pumping Energy for Reversible (Pumped Storage) Hydroelectric
	(Prime Mover = PS)	Turbine
Wood and Wood-Derived Fuels	WDS	Wood/Wood Waste Solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids)
	WDL	Wood Waste Liquids (excluding Black Liquor but including red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids)
	BLQ	Black Liquor
Other Biomass	AB	Agricultural By-Products
	MSW	Municipal Solid Waste
	OBG	Other Biomass Gas (including digester gas, methane, and other biomass gases)
	OBL	Other Biomass Liquids
	OBS	Other Biomass Solids
	LFG	Landfill Gas
	SLW	Sludge Waste
Other Renewable Energy Sources	SUN	Solar (including solar thermal)
	WND	Wind
	GEO	Geothermal
Other Energy Sources	PUR	Purchased Steam
	WH	Waste heat not directly attributed to a fuel source
	TDF	Tire-Derived Fuels
	MWH	Electricity used for energy storage
	OTH	Other

Sensitive data: The tested heat rate data collected on the Form EIA-860 are considered business sensitive.

Form EIA-860M

The Form EIA 860M, “Monthly Update to the Annual Electric Generator Report,” is a mandatory monthly survey that collects data on the status of proposed new generators or changes to existing generators for plants that report on Form EIA-860.

The Form EIA-860M has a rolling frame based upon planned changes to capacity as reported on the previous Form EIA-860. Respondents are added to the frame 12 months prior to the expected effective date for all new units or expected retirement date for existing units. For all other types of capacity changes (including retirements, uprates, derates, repowering, or other modifications), respondents are added 1 month prior to the anticipated modification change date. Respondents are removed from the frame at the completion of the changes or if the change date is moved back so that the plant no longer qualifies to be in the frame. Typically, 150 to 200 utilities per month are required to report for 175 to 250 plants (including 250 to 400 generating units) on this form. The unit characteristics of interest are changes to the previously reported planned operating month and year, prime mover type, capacity, and energy sources.

Instrument and design history: The data collected on Form EIA-860M was originally collected via phone calls at the end of each month. During 2005, the Form EIA-860M was introduced as a mandatory form using the Internet Data Collection (IDC) system.

The legislative authority to collect these data is defined in the Federal Energy Administration Act of 1974 (Public Law 93-275, Sec. 13(b), 5(a), 5(b), 52).

Data processing and data system editing: Approximately 150 to 200 utilities are requested to provide data each month on the Form EIA 860M. These data are collected via the IDC system and automatically checked for certain errors. Most of the quality assurance issues are addressed by the respondents as part of the automatic edit check process. In some cases, respondents are subsequently contacted about their explanatory overrides to the edit checks.

Sensitive data: Data collected on the Form EIA-860M are not considered to be sensitive.

Form EIA-861

The Form EIA 861, “Annual Electric Power Industry Report,” is a mandatory census of electric power industry participants in the United States. The survey is used to collect information on power sales and revenue data from approximately 3,300 respondents. About 3,200 are electric utilities and the remainder are nontraditional utilities such as energy service providers or the unregulated subsidiaries of electric utilities and power marketers.

Instrument and design history: The Form EIA 861 was implemented in January 1985 for collection of data as of year end 1984. The Federal Energy Administration Act of 1974 (Public Law 93 275) defines the legislative authority to collect these data.

Data processing and data system editing: The Form EIA 861 is made available to the respondents in January of each year to collect data as of the end of the preceding calendar year. The data are edited when entered into the interactive on line system. Internal edit checks are performed to verify that current data total across and between schedules, and are comparable to data reported the previous year. Edit checks are also performed to compare data reported on the Form EIA 861 and similar data reported on the Form EIA 826. Respondents are telephoned to obtain clarification of reported data and to obtain missing data.

Data for the Form EIA 861 are collected at the owner level from all electric utilities including energy service providers in the United States, its territories, and Puerto Rico. Form EIA 861 data in this report are for the United States only.

Average retail price of electricity represents the cost per unit of electricity sold and is calculated by dividing retail electric revenue by the corresponding sales of electricity. The average retail price of electricity is calculated for all consumers and for each end-use sector.

The electric revenue used to calculate the average retail price of electricity is the operating revenue reported by the electric power industry participant. Operating revenue includes energy charges, demand charges, consumer service charges, environmental surcharges, fuel adjustments, and other miscellaneous charges. Electric power industry participant operating revenues also include State and Federal income taxes and other taxes paid by the utility.

The average retail price of electricity reported in this publication by sector represents a weighted average of consumer revenue and sales, and does not equal the per kWh rate charged by the electric power industry participant to the individual consumers. Electric utilities typically employ a number of rate schedules within a single sector. These alternative rate schedules reflect the varying consumption levels and patterns of consumers and their associated impact on the costs to the electric power industry participant for providing electrical service.

Sensitive data: Data collected on the Form EIA-861 are not considered to be sensitive.

Form EIA-923

Form EIA-923, "Power Plant Operations Report," is a monthly collection of data on receipts and cost of fossil fuels, fuel stocks, generation, consumption of fuel for generation, and environmental data (e.g. emission controls and cooling systems). Data are collected from a monthly sample of approximately 1,900 plants, which includes a census of nuclear and pumped-storage hydroelectric plants. In addition approximately 4,050 plants, representing all other generators 1 MW or greater, are collected annually. In addition to electric power generating plants, respondents include fuel storage terminals without

generating capacity that receive shipments of fossil fuels for eventual use in electric power generation. The monthly data are due by the last day of the month following the reporting period.

Receipts of fossil fuels, fuel cost and quality information, and fuel stocks at the end of the reporting period are all reported at the plant level. Plants that burn organic fuels and have a steam turbine capacity of at least 10 megawatts report consumption at the boiler level and generation at the generator level. For all other plants, consumption is reported at the prime-mover level. For these plants, generation is reported either at the prime-mover level or, for noncombustible sources (e.g. wind, nuclear), at the prime-mover and energy source level. The source and disposition of electricity is reported annually for nonutilities at the plant level as is revenue from sales for resale. Environmental data are collected annually from facilities that have a steam turbine capacity of at least 10 megawatts.

Instrument and design history:

Receipts and cost and quality of fossil fuels

On July 7, 1972, the Federal Power Commission (FPC) issued Order Number 453 enacting the New Code of Federal Regulations, Section 141.61, legally creating the FPC Form 423. Originally, the form was used to collect data only on fossil steam plants, but was amended in 1974 to include data on internal-combustion and combustion-turbine units. The FERC Form 423 replaced the FPC Form 423 in January 1983. The FERC Form 423 eliminated peaking units, for which data were previously collected on the FPC Form 423. In addition, the generator nameplate capacity threshold was changed from 25 megawatts to 50 megawatts. This reduction in coverage eliminated approximately 50 utilities and 250 plants. All historical FPC Form 423 data in this publication were revised to reflect the new generator-nameplate- capacity threshold of 50 or more megawatts reported on the FERC Form 423. In January 1991, the collection of data on the FERC Form 423 was extended to include combined cycle units. Historical data have not been revised to include these units. Starting with the January 1993 data, the FERC began to collect the data directly from the respondents.

The Form EIA-423 was originally implemented in January 2002 to collect monthly cost and quality data for fossil fuel receipts from owners or operators of nonutility electricity generating plants. Due to the restructuring of the electric power industry, many plants which had historically submitted this information for utility plants on the FERC Form 423 (see above) were being transferred to the nonutility sector. As a result, a large percentage of fossil fuel receipts were no longer being reported. The Form EIA-423 was implemented to fill this void and to capture the data associated with existing non-regulated power producers. Its design closely followed that of the FERC Form 423.

Both the Form EIA-423 and FERC Form 423 were superseded by Schedule 2 of the Form EIA-923 in January of 2008. At the time, the Form EIA-923 maintained the 50-megawatt threshold for these data. In January 2013, the threshold was changed to 200 megawatts for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. The requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts.

Not all data are collected monthly on the Form EIA-923. Beginning with 2008 data, a sample of the respondents report monthly, with the remainder reporting annually. Until January 2013, monthly fuel receipts values for the annual surveys were imputed via regression. Prior to 2008, Schedule 2 annual data were not collected or imputed.

Generation, consumption, and stocks

The Bureau of Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry prior to 1936. After 1936, the Federal Power Commission (FPC) assumed all data collection and publication responsibilities for the electric power industry and implemented the Form FPC-4. The Federal Power Act, Section 311 and 312, and FPC Order 141 defined the legislative authority to collect power production data. The Form EIA-759 replaced the Form FPC-4 in January 1982.

In 1996, the Form EIA-900 was initiated to collect sales for resale data from unregulated entities¹⁴. In 1998, the form was modified to collect sales for resale, gross generation, and sales to end user data. In 1999, the form was modified to collect net generation, consumption, and ending stock data¹⁵. In 2000, the form was modified to include the production of useful thermal output data.

In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906. The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Forms EIA-906 and EIA-920 were superseded by survey Form EIA-923 beginning in January 2008 with the collection of annual 2007 data and monthly 2008 data.

Data processing and data system editing: Respondents are encouraged to enter data directly into a computerized database via the Internet Data Collection (IDC) system. A variety of automated quality control mechanisms are run during this process, such as range checks and comparisons with historical data. These edit checks are performed as the data are provided, and many problems that are encountered are resolved during the reporting process. Those plants that are unable to use the electronic reporting medium provide the data in hard copy, typically via fax. These data are manually entered into the computerized database. The data are subjected to the same edits as those that are electronically submitted.

If the reported data appear to be in error and the data issue cannot be resolved by follow up contact with the respondent, or if a facility is a nonrespondent, a regression methodology is used to impute for the facility. Beginning in January 2013, imputation is not performed for fuel receipts data reported on Schedule 2.

Imputation: For select survey data elements collected monthly, regression prediction, or imputation, is done for missing data, including non-sampled units and any non-respondents. For data collected annually, imputation is performed for non-respondents. For gross generation and total fuel

consumption, multiple regression is used for imputation (see discussion, above). Only approximately 0.02 percent of the national total generation for 2010 is imputed, although this will vary by State and energy source.

When gross generation is reported and net generation is not available, net generation is estimated by using a fixed ratio to gross generation by prime-mover type and installed environmental equipment. These ratios are:

Net Generation = (Factor) x Gross Generation
<u>Prime Movers:</u>
Combined Cycle Steam - 0.97
Combined Cycle Single Shaft - 0.97
Combined Cycle Combustion Turbine - 0.97
Compressed Air - 0.97
Fuel Cell - 0.99
Gas Turbine - 0.98
Hydroelectric Turbine - 0.99
Hydroelectric Pumped Storage - 0.99
Internal Combustion Engine - 0.98
Other - 0.97
Photovoltaic - 0.99
Steam Turbine - 0.97
Wind Turbine - 0.99
<u>Environmental Equipment:</u>
Flue Gas Desulfurization - 0.97
Flue Gas Particulate 0.99
All Others - 0.97

For stocks, a linear combination of the prior month's ending stocks value and the current month's consumption and receipts values are used.

Receipts of fossil fuels: Receipts data, including cost and quality of fuels, are collected at the plant level from selected electric generating plants and fossil-fuel storage terminals in the United States. These plants include independent power producers, electric utilities, and commercial and industrial combined heat and power producers. All plants with a total fossil-fueled nameplate capacity of 50 megawatts or more (excluding storage terminals, which do not produce electricity) were required to report receipts of fossil fuels. In January 2013, the threshold was changed to 200 megawatts for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. The requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The data on cost and quality of fuel shipments are used to produce aggregates and weighted averages for each fuel type at the state, Census division, and U.S. levels.

For coal, units for receipts are in tons and units for average heat contents (A) are in million Btu per ton. For petroleum, units for receipts are in barrels and units for average heat contents (A) are in million Btu per barrel.

For gas, units for receipts are in thousand cubic feet (Mcf) and units for average heat contents (A) are in million Btu per thousand cubic foot.

Power production, fuel stocks, and fuel consumption data: The Bureau of Census and the U.S. Geological Survey collected, compiled, and published data on the electric power industry prior to 1936. After 1936, the Federal Power Commission (FPC) assumed all data collection and publication responsibilities for the electric power industry and implemented the Form FPC-4. The Federal Power Act, Section 311 and 312, and FPC Order 141 defined the legislative authority to collect power production data. The Form EIA-759 replaced the Form FPC-4 in January 1982.

In 1996, the Form EIA-900 was initiated to collect sales for resale data from unregulated entities. In 1998, the form was modified to collect sales for resale, gross generation, and sales to end user data. In 1999, the form was modified to collect net generation, consumption, and ending stock data. In 2000, the form was modified to include the production of useful thermal output data.

In January 2001, Form EIA-906 superseded Forms EIA-759 and EIA-900. In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906. The Federal Energy Administration Act of 1974 (Public Law 93 275) defines the legislative authority to collect these data.

In January 2004, Form EIA-920 superseded Form EIA-906 for those plants defined as combined heat and power plants; all other plants that generate electricity continue to report on Form EIA-906.

In January 2008, Form EIA-923 superseded both the Forms EIA-906 and EIA-920 for the collection of these data.

Methodology to estimate biogenic and non-biogenic municipal solid waste²: Municipal solid waste (MSW) consumption for generation of electric power is split into its biogenic and non-biogenic components beginning with 2001 data by the following methodology:

The tonnage of MSW consumed is reported on the Form EIA-923. The composition of MSW and categorization of the components were obtained from the Environmental Protection Agency publication, *Municipal Solid Waste in the United States: 2005 Facts and Figures*. The Btu contents of the components of MSW were obtained from various sources.

The potential quantities of combustible MSW discards (which include all MSW material available for combustion with energy recovery, discards to landfill, and other disposal) were multiplied by their respective Btu contents. The EPA-based categories of MSW were then classified into renewable and non-renewable groupings. From this, EIA calculated how much of the energy potentially consumed from MSW was attributed to biogenic components and how much to non-biogenic components (see Tables 1 and 2, below).³

These values are used to allocate net generation published in the Electric Power Monthly generation tables. The tons of biogenic and non-biogenic components were estimated with the assumption that glass and metals were removed prior to combustion. The average Btu/ton for the biogenic and non-

biogenic components is estimated by dividing the total Btu consumption by the total tons. Published net generation attributed to biogenic MSW and non-biogenic MSW is classified under Other Renewables and Other, respectively.

Table 1. Btu consumption for biogenic and non-biogenic municipal solid waste (percent)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Biogenic	57	56	55	55	56	57	55	54	51	50
Non-biogenic	43	44	45	45	44	43	46	46	49	50

Table 2. Tonnage consumption for biogenic and non-biogenic municipal solid waste (percent)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Biogenic	77	77	76	76	75	67	65	65	64	64
Non-biogenic	23	23	24	24	25	34	35	35	36	36

Useful thermal output: With the implementation of the Form EIA-923, “Power Plant Operations Report,” in 2008, combined heat and power (CHP) plants are required to report total fuel consumed and electric power generation. Beginning with the January 2008 data, EIA will estimate the allocation of the total fuel consumed at CHP plants between electric power generation and useful thermal output.

First, an efficiency factor is determined for each plant and prime mover type. Based on data for electric power generation and useful thermal output collected in 2003 (on Form EIA-906, “Power Plant Report”) efficiency was calculated for each prime mover type at a plant. The efficiency factor is the total output in Btu, including electric power and useful thermal output (UTO), divided by the total input in Btu. Electric power is converted to Btu at 3,412 Btu per kilowatthour.

Second, to calculate the amount of fuel for electric power, the gross generation in Btu is multiplied by the efficiency factor. The fuel for UTO is the difference between the total fuel reported and the fuel for electric power generation. UTO is calculated by multiplying the fuel for UTO by the efficiency factor.

In addition, if the total fuel reported is less than the estimated fuel for electric power generation, then the fuel for electric power generation is equal to the total fuel consumed, and the UTO will be zero.

Conversion of petroleum coke to liquid petroleum: The quantity conversion is 5 barrels (of 42 U.S. gallons each) per short ton (2,000 pounds).

Conversion of propane gas to liquid petroleum: The quantity conversion is 1.53 Mcf (thousand cubic feet) per barrel (or 42 U.S. gallons each).

Conversion of synthesis gas from coal to coal: The quantity conversion is 98 Mcf (thousand cubic feet) per short ton (2,000 pounds).

Conversion of synthesis gas from petroleum coke to petroleum coke: The quantity conversion is 107.42 Mcf (thousand cubic feet) per short ton (2,000 pounds).

Issues within historical data series:

Receipts and cost and quality of fossil fuels

Values for receipts of natural gas for 2001 forward do not include blast furnace gas or other gas.

Historical data collected on FERC Form 423 and published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, these data were collected by FERC for regulatory rather than statistical and publication purposes. EIA did not attempt to resolve any late filing issues in the FERC Form 423 data. In 2003, EIA introduced a procedure to estimate for late or non-responding entities due to report on the FERC Form 423. Due to the introduction of this procedure, 2003 and later data cannot be directly compared to previous years' data. In January 2013, this estimation procedure was dropped.

Prior to 2008, regulated plants reported receipts data on the FERC Form 423. These plants, along with unregulated plants, now report receipts data on Schedule 2 of Form EIA-923. Because FERC issued waivers to the FERC Form 423 filing requirements to some plants who met certain criteria, and because not all types of generators were required to report (only steam turbines and combined-cycle units reported), a significant number of plants either did not submit fossil fuel receipts data or submitted only a portion of their fossil fuel receipts. Since Form EIA-923 does not have exemptions based on generator type or reporting waivers, receipts data from 2008 and later cannot be directly compared to previous years' data for the regulated sector. Furthermore, there may be a notable increase in fuel receipts beginning with January 2008 data.

Starting with the revised data for 2008, tables for total receipts begin to reflect estimation for all plants with capacity over 1 megawatt, to be consistent with other electric power data. Previous receipts data published have been a legacy of their original collection as information for a regulatory agency, not as a survey to provide more meaningful estimates of totals for statistical purposes. Totals appeared to become smaller as more electric production came from unregulated plants, until the Form EIA-423 was created to help fill that gap. As a further improvement, estimation of all receipts for the universe normally depicted in the EPM (i.e., 1 megawatt and above), with associated relative standard errors, provides a more complete assessment of the market.

Generation and consumption

Beginning in 2008, a new method of allocating fuel consumption between electric power generation and useful thermal output (UTO) was implemented. This new methodology evenly distributes a combined heat and power (CHP) plant's losses between the two output products (electric power and UTO). In the historical data, UTO was consistently assumed to be 80 percent efficient and all other losses at the plant were allocated to electric power. This change causes the fuel for electric power to be decreased while the fuel for UTO is increased as both are given the same efficiency. This results in the appearance of an increase in efficiency of production of electric power between periods.

Sensitive data: Most of the data collected on the Form EIA-923 are not considered business sensitive. However, the cost of fuel delivered to nonutilities, commodity cost of fossil fuels, and reported fuel stocks at the end of the reporting period are considered business sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

Average Capacity Factors

This section describes the methodology for calculating capacity factors by fuel and technology type for operating electric power plants. Capacity factor is a measure (expressed as a percent) of how often an electric generator operates over a specific period of time, using a ratio of the actual output to the maximum possible output over that time period.

The capacity factor calculation only includes operating electric generators in the Electric Power Sector (sectors 1, 2 and 3) using the net generation reported on the Form EIA-923 and the net summer capacity reported on the Form EIA-860. The capacity factor for a particular fuel/technology type is given by:

$$CapacityFactor = \left(\frac{\sum_{x,m} Generation_{x,m}}{\sum_{x,m} Capacity_{x,m} * AvailableTime_{x,m}} \right)$$

Where x represents generators of that fuel/technology combination and m represents the period of time (month or year). Generation and capacity are specific to a generator, and the generator is categorized by its primary fuel type as reported on the EIA-860. All generation from that generator is included, regardless of other fuels consumed. Available time is also specific to the generator in order to account for differing online and retirement dates. Therefore, these published capacity factors will differ from a simple calculation using annual generation and capacity totals from the appropriate tables in this publication.

NERC classification

The Florida Reliability Coordinating Council (FRCC) separated itself from the Southeastern Electric Reliability Council (SERC) in the mid-1990s. In 1998, several utilities realigned from Southwest Power Pool (SPP) to SERC. Name changes altered both the Mid-Continent Area Power Pool (MAPP) to the Midwest Reliability Organization (MRO) and the Western Systems Coordinating Council (WSCC) to the Western Energy Coordinating Council (WECC). The MRO membership boundaries have altered over time, but WECC membership boundaries have not. The utilities in the associated regional entity identified as the Alaska System Coordination Council (ASCC) dropped their formal participation in NERC. Both the States of Alaska and Hawaii are not contiguous with the other continental States and have no electrical interconnections. At the close of calendar year 2005, the following reliability regional councils were dissolved: East Central Area Reliability Coordinating Agreement (ECAR), Mid-Atlantic Area Council (MAAC), and Mid-America Interconnected Network (MAIN).

On January 1, 2006, the ReliabilityFirst Corporation (RFC) came into existence as a new regional reliability council. Individual utility membership in the former ECAR, MAAC, and MAIN councils mostly shifted to RFC. However, adjustments in membership as utilities joined or left various reliability councils impacted MRO, SERC, and SPP. The Texas Regional Entity (TRE) was formed from a delegation of authority from NERC to handle the regional responsibilities of the Electric Reliability Council of Texas (ERCOT). The revised delegation agreements covering all the regions were approved by the Federal Energy Regulatory Commission on March 21, 2008. Reliability Councils that are unchanged include: Florida Reliability Coordinating Council (FRCC), Northeast Power Coordinating Council (NPCC), and the Western Energy Coordinating Council (WECC)

The new NERC Regional Council names are as follows:

- Florida Reliability Coordinating Council (FRCC),
- Midwest Reliability Organization (MRO),
- Northeast Power Coordinating Council (NPCC),
- ReliabilityFirst Corporation (RFC),
- Southeastern Electric Reliability Council (SERC),
- Southwest Power Pool (SPP),
- Texas Regional Entity (TRE), and
- Western Energy Coordinating Council (WECC).

Business classification

Nonutility power producers consist of corporations, persons, agencies, authorities, or other legal entities that own or operate facilities for electric generation but are not electric utilities. This includes qualifying cogenerators, small power producer, and independent power producers. Furthermore, nonutility power producers do not have a designated franchised service area. In addition to entities whose primary business is the production and sale of electric power, entities with other primary business classifications can and do sell electric power. These can consist of manufacturing, agricultural, forestry, transportation, finance, service and administrative industries, based on the Office of Management and Budget's Standard Industrial Classification (SIC) Manual. In 1997, the SIC Manual name was changed to North American Industry Classification System (NAICS). The following is a list of the main classifications and the category of primary business activity within each classification.

Agriculture, Forestry, and Fishing

- 111 Agriculture production-crops
- 112 Agriculture production, livestock and animal specialties
- 113 Forestry
- 114 Fishing, hunting, and trapping
- 115 Agricultural services

Mining

- 211 Oil and gas extraction
- 2121 Coal mining
- 2122 Metal mining

2123 Mining and quarrying of nonmetallic minerals except fuels

Construction

23

Manufacturing

311 Food and kindred products
3122 Tobacco products
314 Textile and mill products
315 Apparel and other finished products made from fabrics and similar materials
316 Leather and leather products
321 Lumber and wood products, except furniture
322 Paper and allied products (other than 322122 or 32213)
322122 Paper mills, except building paper
32213 Paperboard mills
323 Printing and publishing
324 Petroleum refining and related industries (other than 32411)
32411 Petroleum refining
325 Chemicals and allied products (other than 325188, 325211, 32512, or 325311)
32512 Industrial organic chemicals
325188 Industrial Inorganic Chemicals
325211 Plastics materials and resins
325311 Nitrogenous fertilizers
326 Rubber and miscellaneous plastic products
327 Stone, clay, glass, and concrete products (other than 32731)
32731 Cement, hydraulic
331 Primary metal industries (other than 331111 or 331312)
331111 Blast furnaces and steel mills
331312 Primary aluminum
332 Fabricated metal products, except machinery and transportation equipment
333 Industrial and commercial equipment and components except computer equipment
3345 Measuring, analyzing, and controlling instruments, photographic, medical, and optical goods, watches and clocks
335 Electronic and other electrical equipment and components except computer equipment
336 Transportation equipment
337 Furniture and fixtures
339 Miscellaneous manufacturing industries

Transportation and Public Utilities

- 22 Electric, gas, and sanitary services
- 2212 Natural gas transmission
- 2213 Water supply
- 22131 Irrigation systems
- 22132 Sewerage systems
- 481 Transportation by air
- 482 Railroad transportation
- 483 Water transportation
- 484 Motor freight transportation and warehousing
- 485 Local and suburban transit and interurban highway passenger transport
- 486 Pipelines, except natural gas
- 487 Transportation services
- 491 United States Postal Service
- 513 Communications
- 562212 Refuse systems

Wholesale Trade

421 to 422

Retail Trade

441 to 454

Finance, Insurance, and Real Estate

521 to 533

Services

- 512 Motion pictures
- 514 Business services
 - 514199 Miscellaneous services
- 541 Legal services
- 561 Engineering, accounting, research, management, and related services
- 611 Education services
- 622 Health services
- 624 Social services
- 712 Museums, art galleries, and botanical and zoological gardens
- 713 Amusement and recreation services
- 721 Hotels
- 811 Miscellaneous repair services
- 8111 Automotive repair, services, and parking
- 812 Personal services
- 813 Membership organizations
- 814 Private households

Public Administration

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¹ The basic technique employed is described in the paper “Model-Based Sampling and Inference,” on the EIA website. Additional references can be found on the InterStat website (<http://interstat.statjournals.net/>). See the following sources: Knaub, J.R., Jr. (1999a), “Using Prediction-Oriented Software for Survey Estimation,” InterStat, August 1999, <http://interstat.statjournals.net/>; Knaub, J.R. Jr. (1999b), “Model-Based Sampling, Inference and Imputation,” EIA web site: <http://www.eia.gov/cneaf/electricity/forms/ejawebme.pdf>; Knaub, J.R., Jr. (2005), “Classical Ratio Estimator,” InterStat, October 2005, <http://interstat.statjournals.net/>; Knaub, J.R., Jr. (2007a), “Cutoff Sampling and Inference,” InterStat, April 2007, <http://interstat.statjournals.net/>; Knaub, J.R., Jr. (2008), “Cutoff Sampling.” Definition in Encyclopedia of Survey Research Methods, Editor: Paul J. Lavrakas, Sage, to appear; Knaub, J.R., Jr. (2000), “Using Prediction-Oriented Software for Survey Estimation - Part II: Ratios of Totals,” InterStat, June 2000, <http://interstat.statjournals.net/>; Knaub, J.R., Jr. (2001), “Using Prediction-Oriented Software for Survey Estimation - Part III: Full-Scale Study of Variance and Bias,” InterStat, June 2001, <http://interstat.statjournals.net/>.

² See the following sources: Bahillo, A. et al. Journal of Energy Resources Technology, “NOx and N2O Emissions During Fluidized Bed Combustion of Leather Wastes.” Volume 128, Issue 2, June 2006. pp. 99-103; U.S. Energy Information Administration. *Renewable Energy Annual 2004*. “Average Heat Content of Selected Biomass Fuels.” Washington, DC, 2005; Penn State Agricultural College Agricultural and Biological Engineering and Council for Solid Waste Solutions. Garth, J. and Kowal, P. Resource Recovery, Turning Waste into Energy, University Park, PA, 1993; Utah State University Recycling Center Frequently Asked Questions. Published at <http://www.usu.edu/recycle/faq.htm>. Accessed December 2006.

³ Biogenic components include newsprint, paper, containers and packaging, leather, textiles, yard trimmings, food wastes, and wood. Non-biogenic components include plastics, rubber and other miscellaneous non-biogenic waste.

Table C.1 Average Heat Content of Fossil-Fuel Receipts, July 2014

Census Division and State	Coal (Million Btu per Ton)	Petroleum Liquids (Million Btu per Barrel)	Petroleum Coke (Million Btu per Ton)	Natural Gas (Million Btu per Thousand Cubic Feet)
New England	21.52	5.98	--	1.03
Connecticut	18.41	6.16	--	1.03
Maine	24.84	6.20	--	1.03
Massachusetts	23.13	5.82	--	1.03
New Hampshire	25.87	5.81	--	1.03
Rhode Island	18.41	5.83	--	1.03
Vermont	--	--	--	--
Middle Atlantic	23.30	6.24	--	1.03
New Jersey	25.57	5.78	--	1.04
New York	21.40	6.30	--	1.03
Pennsylvania	23.34	5.81	--	1.04
East North Central	20.14	5.79	28.32	1.04
Illinois	17.68	5.79	--	1.02
Indiana	22.21	5.75	29.30	1.05
Michigan	19.03	5.83	27.37	1.02
Ohio	23.79	5.78	28.46	1.05
Wisconsin	18.72	5.81	27.37	1.03
West North Central	16.69	5.80	--	1.03
Iowa	17.25	5.80	--	1.05
Kansas	17.42	5.80	--	1.02
Minnesota	17.65	5.79	--	1.04
Missouri	17.75	5.75	--	1.02
Nebraska	16.93	5.79	--	1.05
North Dakota	13.04	5.92	--	0.97
South Dakota	16.87	--	--	1.02
South Atlantic	23.63	5.84	29.13	1.03
Delaware	25.99	5.67	--	1.06
District of Columbia	--	--	--	--
Florida	23.70	5.79	28.98	1.02
Georgia	20.27	5.91	29.83	1.02
Maryland	25.10	5.79	--	1.05
North Carolina	24.72	5.73	--	1.03
South Carolina	25.05	6.08	--	1.03
Virginia	22.96	5.88	--	1.04
West Virginia	24.58	5.74	--	1.04
East South Central	21.21	5.79	28.54	1.03
Alabama	20.79	5.69	--	1.03
Kentucky	22.63	5.82	28.54	1.03
Mississippi	16.54	--	--	1.03
Tennessee	21.22	5.76	--	1.01
West South Central	15.86	5.80	28.66	1.03
Arkansas	17.63	5.80	--	1.04
Louisiana	16.39	5.78	28.66	1.04
Oklahoma	17.36	5.80	--	1.04
Texas	15.23	5.81	--	1.03
Mountain	19.00	5.77	--	1.04
Arizona	19.32	5.76	--	1.03
Colorado	19.39	5.80	--	1.05
Idaho	--	--	--	1.01
Montana	16.96	5.92	--	--
Nevada	20.72	5.82	--	1.03
New Mexico	17.98	5.66	--	1.05
Utah	22.38	5.87	--	1.04
Wyoming	17.52	5.88	--	1.00
Pacific Contiguous	18.38	6.00	--	1.03
California	23.64	--	--	1.03
Oregon	17.32	--	--	1.03
Washington	17.10	6.00	--	1.05
Pacific Noncontiguous	20.85	6.15	--	1.00
Alaska	--	--	--	1.00
Hawaii	20.85	6.15	--	--
U.S. Total	19.41	6.04	28.59	1.03

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.

Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.

Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.

Natural Gas includes a small amount of supplemental gaseous fuels.

Notes: See Glossary for definitions. Values are preliminary. Data represents weighted values.

Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table C.2. Comparison of Preliminary Monthly Data Versus Final Monthly Data at the U.S. Level, 2010 through 2012

Item	Mean Absolute Value of Percent Change Total (All Sectors)		
	2010	2011	2012
Net Generation			
Coal	0.20%	0.15%	0.20%
Petroleum Liquids	1.88%	2.67%	4.25%
Petroleum Coke	1.75%	14.41%	2.45%
Natural Gas	0.76%	0.41%	0.46%
Other Gases	1.55%	2.95%	6.36%
Hydroelectric	0.97%	2.03%	0.70%
Nuclear	0.00%	0.00%	0.00%
Other	0.78%	1.03%	1.08%
Total	0.17%	0.16%	0.20%
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.11%	0.23%	0.16%
Petroleum Liquids	1.49%	2.90%	4.47%
Petroleum Coke	1.50%	9.93%	3.99%
Natural Gas	0.70%	0.28%	0.37%
Fuel Stocks for Electric Power Sector			
Coal	0.18%	0.46%	0.57%
Petroleum Liquids	0.67%	0.55%	0.64%
Petroleum Coke	3.76%	2.64%	8.22%
Retail Sales			
Residential	0.32%	0.15%	0.16%
Commercial	0.14%	0.66%	0.39%
Industrial	0.94%	1.61%	0.50%
Transportation	1.77%	0.88%	2.44%
Total	0.18%	0.64%	0.27%
Revenue			
Residential	0.71%	0.73%	0.13%
Commercial	0.61%	0.24%	0.20%
Industrial	0.70%	0.58%	0.20%
Transportation	4.35%	0.29%	1.09%
Total	0.45%	0.31%	0.13%
Average Retail Price			
Residential	0.43%	0.66%	0.10%
Commercial	0.67%	0.79%	0.27%
Industrial	0.40%	1.02%	0.39%
Transportation	3.74%	1.08%	1.57%
Total	0.56%	0.90%	0.21%
Receipt of Fossil Fuels			
Coal	0.58%	1.15%	0.99%
Petroleum Liquids	4.09%	5.25%	23.68%
Petroleum Coke	3.77%	16.19%	13.72%
Natural Gas	0.81%	0.52%	10.47%
Cost of Fossil Fuels			
Coal	0.18%	0.31%	0.90%
Petroleum Liquids	0.24%	1.55%	0.53%
Petroleum Coke	2.37%	8.98%	11.66%
Natural Gas	0.20%	0.50%	0.77%

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.

Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.

Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.

Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

Fuel Stocks are end-of-month values.

See technical notes (<http://www.eia.gov/cneaf/electricity/epm/appenc.pdf>) for additional information on the Commercial, Industrial and Transportation sectors.

Cost of Fossil Fuels represent weighted values.

Notes: Mean absolute value of percent change is the unweighted average of the absolute percent changes.

Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report';

Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report'; Form EIA-920 'Combined Heat and Power Plant Report';

and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

Table C.3. Comparison of Preliminary Annual Data Versus Final Annual Data at the U.S. Level, 2010 through 2012

Item	2010			2011			2012		
	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change
Net Generation (Thousand MWh)									
Coal	1,850,750	1,847,290	-0.19%	1,734,265	1,733,430	-0.05%	1,517,203	1,514,043	-0.21%
Petroleum Liquids	23,397	23,337	-0.26%	15,840	16,086	1.56%	13,209	13,403	1.47%
Petroleum Coke	13,528	13,724	1.45%	12,322	14,096	14.39%	9,691	9,787	0.99%
Natural Gas	981,815	987,697	0.60%	1,016,595	1,013,689	-0.29%	1,230,708	1,225,894	-0.39%
Other Gases	11,193	11,313	1.07%	11,269	11,566	2.64%	11,212	11,898	6.11%
Hydroelectric	252,961	254,702	0.69%	319,162	312,934	-1.95%	271,878	271,290	-0.22%
Nuclear	806,968	806,968	0.00%	790,225	790,204	0.00%	769,331	769,331	0.00%
Other	179,416	180,028	0.34%	206,057	208,135	1.01%	231,253	232,120	0.37%
Total	4,120,028	4,125,060	0.12%	4,105,734	4,100,141	-0.14%	4,054,485	4,047,765	-0.17%
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	979,555	979,684	0.01%	932,911	934,938	0.22%	826,700	825,734	-0.12%
Petroleum Liquids (1,000 barrels)	40,041	40,103	0.15%	26,728	27,326	2.24%	22,523	22,604	0.36%
Petroleum Coke (1,000 tons)	4,956	4,994	0.76%	4,561	5,012	9.89%	3,552	3,675	3.44%
Natural Gas (1,000 Mcf)	7,633,469	7,680,185	0.61%	7,880,481	7,883,865	0.04%	9,465,207	9,484,710	0.21%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	175,160	174,917	-0.14%	175,100	172,387	-1.55%	184,923	185,116	0.10%
Petroleum Liquids (1,000 barrels)	36,126	35,706	-1.16%	35,260	34,847	-1.17%	31,897	32,224	1.03%
Petroleum Coke (1,000 tons)	1,087	1,019	-6.31%	470	508	8.17%	495	495	-0.01%
Retail Sales (Million kWh)									
Residential	1,450,758	1,445,708	-0.35%	1,423,700	1,422,801	-0.06%	1,374,594	1,374,515	-0.01%
Commercial	1,329,322	1,330,199	0.07%	1,319,288	1,328,057	0.66%	1,323,844	1,327,101	0.25%
Industrial	962,165	971,221	0.94%	975,569	991,316	1.61%	980,837	985,714	0.50%
Transportation	7,740	7,712	-0.35%	7,606	7,672	0.87%	7,504	7,320	-2.45%
Total	3,749,985	3,754,841	0.13%	3,726,163	3,749,846	0.64%	3,686,780	3,694,650	0.21%
Revenue (Million Dollars)									
Residential	167,957	166,778	-0.70%	167,930	166,714	-0.72%	163,352	163,280	-0.04%
Commercial	136,361	135,554	-0.59%	136,138	135,927	-0.16%	133,908	133,898	-0.01%
Industrial	65,311	65,772	0.71%	67,212	67,606	0.59%	65,691	65,761	0.11%
Transportation	848	814	-4.01%	805	803	-0.25%	754	747	-0.90%
Total	370,477	368,918	-0.42%	372,084	371,049	-0.28%	363,705	363,687	0.00%
Average Retail Price (Cents/kWh)									
Residential	11.58	11.54	-0.36%	11.80	11.72	-0.66%	11.88	11.88	-0.04%
Commercial	10.26	10.19	-0.66%	10.32	10.24	-0.81%	10.12	10.09	-0.25%
Industrial	6.79	6.77	-0.23%	6.89	6.82	-1.01%	6.70	6.67	-0.39%
Transportation	10.96	10.56	-3.67%	10.58	10.46	-1.11%	10.05	10.21	1.59%
Total	9.88	9.83	-0.55%	9.99	9.90	-0.91%	9.87	9.84	-0.22%
Receipt of Fossil Fuels									
Coal (1,000 tons)	976,052	979,918	0.40%	945,581	956,538	1.16%	849,667	841,183	-1.00%
Petroleum Liquids (1,000 barrels)	46,156	45,472	-1.48%	34,342	36,158	5.29%	25,485	19,464	-23.63%
Petroleum Coke (1,000 tons)	5,868	5,963	1.61%	5,163	5,980	15.82%	4,858	4,180	-13.95%
Natural Gas (1,000 Mcf)	8,605,619	8,673,070	0.78%	9,025,066	9,056,164	0.34%	10,631,822	9,531,389	-10.35%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	2.27	2.27	0.10%	2.40	2.39	-0.25%	2.40	2.38	-0.89%
Petroleum Liquids (1,000 barrels)	14.03	14.02	-0.06%	20.10	19.94	-0.76%	21.82	21.85	0.12%
Petroleum Coke (1,000 tons)	2.23	2.28	2.36%	2.80	3.03	8.27%	2.54	2.24	-11.90%
Natural Gas (1,000 Mcf)	5.08	5.09	0.20%	4.71	4.72	0.41%	3.40	3.42	0.64%

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
 Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
 Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
 Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.
 Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
 Fuel Stocks are end-of-year values.
 See technical notes (<http://www.eia.gov/cneaf/electricity/epm/appenc.pdf>) for additional information on the Commercial, Industrial and Transportation sectors.
 Cost of Fossil Fuels represent weighted values.

Notes: The average revenue per kilowatt-hour is calculated by dividing revenue by sales. Totals may not equal sum of components because of independent rounding.
 Percent changes refer to the difference between the preliminary data published in the Electric Power Monthly (EPM) and the final data published in the EPM. Values for 2012 are Final.
 Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report';
 Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report'; Form EIA-920 'Combined Heat and Power Plant Report';
 and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

Table C.4. Unit of Measure Equivalents for Electricity

Unit	Equivalent
Kilowatt (kW)	1,000 (One Thousand) Watts
Megawatt (MW)	1,000,000 (One Million) Watts
Gigawatt (GW)	1,000,000,000 (One Billion) Watts
Terawatt (TW)	1,000,000,000,000 (One Trillion) Watts
Gigawatt	1,000,000 (One Million) Kilowatts
Thousand Gigawatts	1,000,000,000 (One Billion) Kilowatts
Kilowatthours (kWh)	1,000 (One Thousand) Watthours
Megawatthours (MWh)	1,000,000 (One Million) Watthours
Gigawatthours (GWh)	1,000,000,000 (One Billion) Watthours
Terawatthours (TWh)	1,000,000,000,000 (One Trillion) Watthours
Gigawatthours	1,000,000 (One Million) Kilowatthours
Thousand Gigawatthours	1,000,000,000(One Billion Kilowatthours

Source: U.S. Energy Information Administration

Glossary

Anthracite: The highest rank of coal; used primarily for residential and commercial space heating. It is a hard, brittle, and black lustrous coal, often referred to as hard coal, containing a high percentage of fixed carbon and a low percentage of volatile matter. The moisture content of fresh-mined anthracite generally is less than 15 percent. The heat content of anthracite ranges from 22 to 28 million Btu per ton on a moist, mineral-matter-free basis. The heat content of anthracite coal consumed in the United States averages 25 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter). Note: Since the 1980's, anthracite refuse or mine waste has been used for steam electric power generation. This fuel typically has a heat content of 15 million Btu per ton or less.

Ash: Impurities consisting of silica, iron, aluminum, and other noncombustible matter that are contained in coal. Ash increases the weight of coal, adds to the cost of handling, and can affect its burning characteristics. Ash content is measured as a percent by weight of coal on a "received" or a "dry" (moisture-free, usually part of a laboratory analysis) basis.

Ash content: The amount of ash contained in the fuel (except gas) in terms of percent by weight.

Average Retail Price of Electricity (formerly known as Average Revenue per Kilowatthour): The average revenue per kilowatthour of electricity sold by sector (residential, commercial, industrial, or other) and geographic area (State, Census division, and national), is calculated by dividing the total monthly revenue by the corresponding total monthly sales for each sector and geographic area.

Barrel: A unit of volume equal to 42 U.S. gallons.

Biomass: Organic non-fossil material of biological origin constituting a renewable energy resource.

Bituminous coal: A dense coal, usually black, sometimes dark brown, often with well-defined bands of bright and dull material, used primarily as fuel in steam-electric power generation, with substantial quantities also used for heat and power applications in manufacturing and to make coke. Bituminous coal is the most abundant coal in active U.S. mining regions. Its moisture content usually is less than 20 percent. The heat content of bituminous coal ranges from 21 to 30 million Btu per ton on a moist, mineral-matter-free basis. The heat content of bituminous coal consumed in the United States averages 24 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

British thermal unit: The quantity of heat required to raise the temperature of 1 pound of liquid water by 1 degree Fahrenheit at the temperature at which water has its greatest density (approximately 39 degrees Fahrenheit).

Btu: The abbreviation for British thermal unit(s).

Capacity: See Generator Capacity and Generator Name Plate Capacity (Installed).

Census Divisions: Any of nine geographic areas of the United States as defined by the U.S. Department of Commerce, Bureau of the Census. The divisions, each consisting of several States, are defined as follows:

- 1) *New England:* Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont;
- 2) *Middle Atlantic:* New Jersey, New York, and Pennsylvania;
- 3) *East North Central:* Illinois, Indiana, Michigan, Ohio, and Wisconsin;
- 4) *West North Central:* Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota;
- 5) *South Atlantic:* Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia;
- 6) *East South Central:* Alabama, Kentucky, Mississippi, and Tennessee;
- 7) *West South Central:* Arkansas, Louisiana, Oklahoma, and Texas;
- 8) *Mountain:* Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming;
- 9) *Pacific:* Alaska, California, Hawaii, Oregon, and Washington.

Note: Each division is a sub-area within a broader Census Region. In some cases, the Pacific division is subdivided into the Pacific Contiguous area (California, Oregon, and Washington) and the Pacific Noncontiguous area (Alaska and Hawaii).

Coal: A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

Coal synfuel: Coal-based solid fuel that has been processed by a coal synfuel plant; and coal-based fuels such as briquettes, pellets, or extrusions, which are formed from fresh or recycled coal and binding materials.

Coke (petroleum): A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

Combined cycle: An electric generating technology in which electricity is produced from otherwise lost waste heat exiting from one or more gas (combustion) turbine-generators. The exiting heat from the combustion turbine(s) is routed to a conventional boiler or to a heat recovery steam generator for utilization by a steam turbine in the production of additional electricity.

Combined heat and power (CHP): Includes plants designed to produce both heat and electricity from a single heat source. *Note:* This term is being used in place of the term "cogenerator" that was used by EIA in the past. CHP better describes the facilities because some of the plants included do not produce heat and power in a sequential fashion and, as a result, do not meet the legal definition of cogeneration specified in the Public Utility Regulatory Policies Act (PURPA).

Commercial sector: An energy-consuming sector that consists of service-providing facilities and equipment of: businesses; Federal, State, and local governments; and other private and public organizations, such as religious, social, or fraternal groups. The commercial sector includes institutional living quarters. It also includes sewage treatment facilities. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a wide variety of other equipment. *Note:* This sector includes generators that produce electricity and/or useful thermal output primarily to support the activities of the above-mentioned commercial establishments.

Consumption (fuel): The use of energy as a source of heat or power or as a raw material input to a manufacturing process.

Cost: The amount paid to acquire resources, such as plant and equipment, fuel, or labor services.

Demand (electric): The rate at which electric energy is delivered to or by a system, part of a system, or piece of equipment, at a given instant or averaged over any designated period of time.

Diesel: A distillate fuel oil that is used in diesel engines such as those used for transportation and for electric power generation.

Distillate fuel oil: *A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.*

1) *No. 1 Distillate:* A light petroleum distillate that can be used as either a diesel fuel (see No. 1 Diesel Fuel) or a fuel oil. See No. 1 Fuel Oil.

- *No. 1 Diesel fuel:* A light distillate fuel oil that has distillation temperatures of 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines, such as those in city buses and similar vehicles. See No. 1 Distillate above.
- *No. 1 Fuel oil:* A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See No. 1 Distillate above.

2) *No. 2 Distillate:* A petroleum distillate that can be used as either a diesel fuel (see No. 2 Diesel Fuel definition below) or a fuel oil. See No. 2 Fuel oil below.

- *No. 2 Diesel fuel:* A fuel that has distillation temperatures of 500 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See No. 2 Distillate above.

3) *No. 4 Fuel*: A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms with ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

- *No. 4 Diesel fuel and No. 4 Fuel oil*: See No. 4 Fuel above.

Electric industry restructuring: The process of replacing a monopolistic system of electric utility suppliers with competing sellers, allowing individual retail customers to choose their supplier but still receive delivery over the power lines of the local utility. It includes the reconfiguration of vertically integrated electric utilities.

Electric plant (physical): A facility containing prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or fission energy into electric energy.

Electric power sector: An energy-consuming sector that consists of electricity-only and combined-heat-and-power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public-- i. e., North American Industry Classification System 22 plants.

Electric utility: A corporation, person, agency, authority, or other legal entity or instrumentality aligned with distribution facilities for delivery of electric energy for use primarily by the public. Included are investor-owned electric utilities, municipal and State utilities, Federal electric utilities, and rural electric cooperatives. A few entities that are tariff based and corporately aligned with companies that own distribution facilities are also included. Note: Due to the issuance of FERC Order 888 that required traditional electric utilities to functionally unbundle their generation, transmission, and distribution operations, "electric utility" currently has inconsistent interpretations from State to State.

Electricity: A form of energy characterized by the presence and motion of elementary charged particles generated by friction, induction, or chemical change.

Electricity generation: The process of producing electric energy or the amount of electric energy produced by transforming other forms of energy, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

Electricity generators: The facilities that produce only electricity, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

Energy: The capacity for doing work as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic energy). Energy has several forms, some of which are easily convertible and can be changed to another form useful for work. Most of the world's convertible energy comes from fossil fuels that are burned to produce heat that is then used as a transfer medium to mechanical or other means in order to accomplish tasks. Electrical energy is usually measured in kilowatthours, while heat energy is usually measured in British thermal units.

Energy conservation features: This includes building shell conservation features, HVAC conservation features, lighting conservation features, any conservation features, and other conservation features incorporated by the building. However, this category does not include any demand-side management (DSM) program participation by the building. Any DSM program participation is included in the DSM Programs.

Energy efficiency: Refers to programs that are aimed at reducing the energy used by specific end-use devices and systems, typically without affecting the services provided. These programs reduce overall electricity consumption (reported in megawatthours), often without explicit consideration for the timing of program-induced savings. Such savings are generally achieved by substituting technically more advanced equipment to produce the same level of end-use services (e.g. lighting, heating, motor drive) with less electricity. Examples include high-efficiency appliances, efficient lighting programs, high-efficiency heating, ventilating and air conditioning (HVAC) systems or control modifications, efficient building design, advanced electric motor drives, and heat recovery systems.

Energy service provider: An energy entity that provides service to a retail or end-use customer.

Energy source: Any substance or natural phenomenon that can be consumed or transformed to supply heat or power. Examples include petroleum, coal, natural gas, nuclear, biomass, electricity, wind, sunlight, geothermal, water movement, and hydrogen in fuel cells.

Energy-only service: Retail sales services for which the company provided only the energy consumed, where another entity provides delivery services.

Fossil fuel: An energy source formed in the earth's crust from decayed organic material. The common fossil fuels are petroleum, coal, and natural gas.

Franchised service area: A specified geographical area in which a utility has been granted the exclusive right to serve customers. A franchise allows an entity to use city streets, alleys and other public lands in order to provide, distribute, and sell services to the community.

Fuel: Any material substance that can be consumed to supply heat or power. Included are petroleum, coal, and natural gas (the fossil fuels), and other consumable materials, such as uranium, biomass, and hydrogen.

Gas: A fuel burned under boilers and by internal combustion engines for electric generation. These include natural, manufactured and waste gas.

Gas turbine plant: An electric generating facility in which the prime mover is a gas (combustion) turbine. A gas turbine typically consists of an air compressor and one or more combustion chambers where either liquid or gaseous fuel is burned. The resulting hot gases are passed through the turbine where they expand to drive both an electric generator and the compressor.

Generating unit: Any combination of physically connected generators, reactors, boilers, combustion turbines, or other prime movers operated together to produce electric power.

Generator: A machine that converts mechanical energy into electrical energy.

Generator capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, adjusted for ambient conditions.

Generator nameplate capacity (installed): The maximum rated output of a generator, prime mover, or other electric power production equipment under specific conditions designated by the manufacturer. Installed generator nameplate capacity is commonly expressed in megawatts (MW) and is usually indicated on a nameplate physically attached to the generator.

Geothermal: Pertaining to heat within the Earth.

Geothermal energy: Hot water or steam extracted from geothermal reservoirs in the earth's crust. Water or steam extracted from geothermal reservoirs can be used for geothermal heat pumps, water heating, or electricity generation.

Gigawatt (GW): One billion watts.

Gigawatthour (GWh): One billion watthours.

Gross generation: The total amount of electric energy produced by generating units and measured at the generating terminal in kilowatthours (kWh) or megawatthours (MWh).

Heat content: The amount or number of British thermal units (Btu) produced by the combustion of fuel, measured in Btu/unit of measure.

Hydroelectric power: The production of electricity from the kinetic energy of falling water.

Hydroelectric power generation: Electricity generated by an electric power plant whose turbines are driven by falling water. It includes electric utility and industrial generation of hydroelectricity, unless otherwise specified. Generation is reported on a net basis, i.e., on the amount of electric energy generated after the electric energy consumed by station auxiliaries and the losses in the transformers that are considered integral parts of the station are deducted.

Hydroelectric pumped storage: Hydroelectricity that is generated during peak loads by using water previously pumped into an elevated storage reservoir during off-peak periods when excess generating capacity is available to do so. When additional generating capacity is needed, the water can be released from the reservoir through a conduit to turbine generators located in a power plant at a lower level.

Hydrogen: A colorless, odorless, highly flammable gaseous element. It is the lightest of all gases and the most abundant element in the universe, occurring chiefly in combination with oxygen in water and also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Independent power producer: A corporation, person, agency, authority, or other legal entity or instrumentality that owns or operates facilities for the generation of electricity for use primarily by the public, and that is not an electric utility.

Industrial sector: An energy-consuming sector that consists of all facilities and equipment used for producing, processing, or assembling goods. The industrial sector encompasses the following types of activity: manufacturing (NAICS codes 31-33); agriculture, forestry, and hunting (NAICS code 11); mining, including oil and gas extraction (NAICS code 21); natural gas distribution (NAICS code 2212); and construction (NAICS code 23). Overall energy use in this sector is largely for process heat and cooling and powering machinery, with lesser amounts used for facility heating, air conditioning, and lighting. Fossil fuels are also used as raw material inputs to manufactured products. Note: This sector includes generators that produce electricity and/or useful thermal output primarily to support the above-mentioned industrial activities.

Interdepartmental service (electric): Interdepartmental service includes amounts charged by the electric department at tariff or other specified rates for electricity supplied by it to other utility departments.

Internal combustion plant: A plant in which the prime mover is an internal combustion engine. An internal combustion engine has one or more cylinders in which the process of combustion takes place, converting energy released from the rapid burning of a fuel-air mixture into mechanical energy. Diesel or gas-fired engines are the principal types used in electric plants. The plant is usually operated during periods of high demand for electricity.

Investor-owned utility (IOU): A privately-owned electric utility whose stock is publicly traded. It is rate regulated and authorized to achieve an allowed rate of return.

Jet fuel: A refined petroleum product used in jet aircraft engines. It includes kerosene-type jet fuel and naphtha-type jet fuel.

Kerosene: A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil.

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

Light oil: Lighter fuel oils distilled off during the refining process. Virtually all petroleum used in internal combustion and gas-turbine engines is light oil.

Lignite: The lowest rank of coal, often referred to as brown coal, used almost exclusively as fuel for steam-electric power generation. It is brownish-black and has a high inherent moisture content, sometimes as high as 45 percent. The heat content of lignite ranges from 9 to 17 million Btu per ton on a moist, mineral-matter-free basis. The heat content of lignite consumed in the United States averages 13 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

Manufactured gas: A gas obtained by destructive distillation of coal, or by thermal decomposition of oil, or by the reaction of steam passing through a bed of heated coal or coke. Examples are coal gases, coke oven gases, producer gas, blast furnace gas, blue (water) gas, and carbureted water gas

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts of electricity.

Megawatthour (MWh): One million watthours.

Municipal utility: A nonprofit utility, owned by a local municipality and operated as a department thereof, governed by a city council or an independently elected or appointed board; primarily involved in the distribution and/or sale of retail electric power.

Natural gas: A gaseous mixture of hydrocarbon compounds, the primary one being methane. Note: The Energy Information Administration measures wet natural gas and its two sources of production, associated/dissolved natural gas and nonassociated natural gas, and dry natural gas, which is produced from wet natural gas.

- 1) *Wet natural gas:* A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in porous rock formations at reservoir conditions. The principal hydrocarbons normally contained in the mixture are methane, ethane, propane, butane, and pentane. Typical nonhydrocarbon gases that may be present in reservoir natural gas are water vapor, carbon dioxide, hydrogen sulfide, nitrogen and trace amounts of helium. Under reservoir conditions, natural gas and its associated liquefiable portions occur either in a single gaseous phase in the reservoir or in solution with crude oil and are not distinguishable at the time as separate substances. Note: The Securities and Exchange Commission and the Financial Accounting Standards Board refer to this product as natural gas.
 - Associated-dissolved natural gas: Natural gas that occurs in crude oil reservoirs either as free gas (associated) or as gas in solution with crude oil (dissolved gas).
 - Nonassociated natural gas: Natural gas that is not in contact with significant quantities of crude oil in the reservoir.
- 2) *Dry natural gas:* Natural gas which remains after: 1) the liquefiable hydrocarbon portion has been removed from the gas stream (i.e., gas after lease, field, and/or plant separation); and 2) any volumes of nonhydrocarbon gases have been removed where they occur in sufficient quantity to render the gas unmarketable. Note: Dry natural gas is also known as consumer-grade natural gas. The parameters for measurement are cubic feet at 60 degrees Fahrenheit and 14.73 pounds per square inch absolute.

Net generation: The amount of gross generation less the electrical energy consumed at the generating station(s) for station service or auxiliaries. Note: Electricity required for pumping at pumped-storage plants is regarded as electricity for station service and is deducted from gross generation.

Net summer capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, as demonstrated by a multi-hour test, at the time of summer peak demand (period of May 1 through October 31). This output reflects a reduction in capacity due to electricity use for station service or auxiliaries.

Net winter capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, as demonstrated by a multi-hour test, at the time of peak winter demand (period of November 1 through April 30). This output reflects a reduction in capacity due to electricity use for station service or auxiliaries.

North American Electric Reliability Council (NERC): A council formed in 1968 by the electric utility industry to promote the reliability and adequacy of bulk power supply in the electric utility systems of North America. The NERC Regions are:

- 1) Texas Regional Entity (TRE),
- 2) Florida Reliability Coordinating Council (FRCC),
- 3) Midwest Reliability Organization (MRO),
- 4) Northeast Power Coordinating Council (NPCC),
- 5) ReliabilityFirst Corporation (RFC),
- 6) Southeastern Electric Reliability Council (SERC),
- 7) Southwest Power Pool (SPP), and the
- 8) Western Energy Coordinating Council (WECC).

North American Industry Classification System (NAICS): A set of codes that describes the possible purposes of a facility.

Nuclear electric power: Electricity generated by an electric power plant whose turbines are driven by steam produced by the heat from the fission of nuclear fuel in a reactor.

Other customers: Includes public street and highway lighting, other sales to public authorities, sales to railroads and railways, sales for irrigation, and interdepartmental sales.

Other generation: Electricity originating from these sources: manufactured, supplemental gaseous fuel, propane, and waste gasses, excluding natural gas; biomass; geothermal; wind; solar thermal; photovoltaic; synthetic fuel; purchased steam; and waste oil energy sources.

Percent change: The relative change in a quantity over a specified time period. It is calculated as follows: the current value has the previous value subtracted from it; this new number is divided by the absolute value of the previous value; then this new number is multiplied by 100.

Petroleum: A broadly defined class of liquid hydrocarbon mixtures. Included are crude oil, lease condensate, unfinished oils, refined products obtained from the processing of crude oil, and natural gas plant liquids. Note: Volumes of finished petroleum products include nonhydrocarbon compounds, such as additives and detergents, after they have been blended into the products.

Petroleum coke: See Coke (petroleum).

Photovoltaic energy: Direct-current electricity generated from sunlight through solid-state semiconductor devices that have no moving parts.

Plant: A term commonly used either as a synonym for an industrial establishment or a generation facility or to refer to a particular process within an establishment.

Power: The rate at which energy is transferred. Electrical energy is usually measured in watts. Also used for a measurement of capacity.

Power production plant: All the land and land rights, structures and improvements, boiler or reactor vessel equipment, engines and engine-driven generator, turbo generator units, accessory electric equipment, and miscellaneous power plant equipment are grouped together for each individual facility.

Production (electric): Act or process of producing electric energy from other forms of energy; also, the amount of electric energy expressed in watthours (Wh).

Propane: A normally gaseous straight-chain hydrocarbon, (C₃H₈). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products covered by Gas Processors Association Specifications for commercial propane and HD-5 propane and ASTM Specification D 1835.

Public street and highway lighting service: Includes electricity supplied and services rendered for the purpose of lighting streets, highways, parks and other public places; or for traffic or other signal system service, for municipalities, or other divisions or agencies of State or Federal governments.

Railroad and railway electric service: Electricity supplied to railroads and interurban and street railways, for general railroad use, including the propulsion of cars or locomotives, where such electricity is supplied under separate and distinct rate schedules.

Receipts: Purchases of fuel.

Relative standard error: The standard deviation of a distribution divided by the arithmetic mean, sometimes multiplied by 100. It is used for the purpose of comparing the variabilities of frequency distributions but is sensitive to errors in the means.

Residential: An energy-consuming sector that consists of living quarters for private households. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a variety of other appliances. The residential sector excludes institutional living quarters.

Residual fuel oil: A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government

service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Retail: Sales covering electrical energy supplied for residential, commercial, and industrial end-use purposes. Other small classes, such as agriculture and street lighting, also are included in this category.

Revenues: The total amount of money received by a firm from sales of its products and/or services, gains from the sales or exchange of assets, interest and dividends earned on investments, and other increases in the owner's equity except those arising from capital adjustments.

Sales: The transfer of title to an energy commodity from a seller to a buyer for a price or the quantity transferred during a specified period.

Service classifications (sectors): Consumers grouped by similar characteristics in order to be identified for the purpose of setting a common rate for electric service. Usually classified into groups identified as residential, commercial, industrial and other.

Service to public authorities: Public authority service includes electricity supplied and services rendered to municipalities or divisions or agencies of State and Federal governments, under special contracts or agreements or service classifications applicable only to public authorities.

Solar energy: The radiant energy of the sun that can be converted into other forms of energy, such as heat or electricity. Electricity produced from solar energy heats a medium that powers an electricity-generating device.

State power authority: A nonprofit utility owned and operated by a state government agency, primarily involved in the generation, marketing, and/or transmission of wholesale electric power.

Steam-electric power plant (conventional): A plant in which the prime mover is a steam turbine. The steam used to drive the turbine is produced in a boiler where fossil fuels are burned.

Stocks of fuel: A supply of fuel accumulated for future use. This includes coal and fuel oil stocks at the plant site, in coal cars, tanks, or barges at the plant site, or in separate storage sites.

Subbituminous coal: A coal whose properties range from those of lignite to those of bituminous coal and used primarily as fuel for steam-electric power generation. It may be dull, dark brown to black, soft and crumbly, at the lower end of the range, to bright, jet black, hard, and relatively strong, at the upper end. Subbituminous coal contains 20 to 30 percent inherent moisture by weight. The heat content of subbituminous coal ranges from 17 to 24 million Btu per ton on a moist, mineral-matter-free basis. The heat content of subbituminous coal consumed in the United States averages 17 to 18 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

Sulfur: A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is

currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

Sulfur content: The amount of sulfur contained in the fuel (except gas) in terms of percent by weight.

Supplemental gaseous fuel supplies: Synthetic natural gas, propane-air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

Synthetic fuel: A gaseous, liquid, or solid fuel that does not occur naturally. Synfuels can be made from coal (coal gasification or coal liquefaction), petroleum products, oil shale, tar sands, or plant products. Among the synfuels are various fuel gases, including but not restricted to substitute natural gas, liquid fuels for engines (e.g., gasoline, diesel fuel, and alcohol fuels) and burner fuels (e.g., fuel heating oils).

Terrawatt: One trillion watts.

Terrawatthour: One trillion kilowatthours.

Ton: A unit of weight equal to 2,000 pounds.

Turbine: A machine for generating rotary mechanical power from the energy of a stream of fluid (such as water, steam, or hot gas). Turbines convert the kinetic energy of fluids to mechanical energy through the principles of impulse and reaction, or a mixture of the two.

Ultimate consumer: A consumer that purchases electricity for its own use and not for resale.

Useful thermal output: The thermal energy made available in a combined heat or power system for use in any industrial or commercial process, heating or cooling application, or delivered to other end users, i.e., total thermal energy made available for processes and applications other than electrical generation.

Waste coal: As a fuel for electric power generation, waste coal includes anthracite refuse or mine waste, waste from anthracite preparation plants, and coal recovered from previously mined sites.

Waste gases: As a fuel for electric power generation, waste gasses are those gasses that are produced from gasses recovered from a solid-waste or wastewater treatment facility, or the gaseous by-products of oil-refining processes.

Waste oil: As a fuel for electric power generation, waste oil includes recycled motor oil, and waste oil from transformers.

Watt (W): The unit of electrical power equal to one ampere under a pressure of one volt. A Watt is equal to 1/746 horsepower.

Watt-hour (Wh): The electrical energy unit of measure equal to one watt of power supplied to, or taken from, an electric circuit steadily for one hour.

Wind energy: The kinetic energy of wind converted into mechanical energy by wind turbines (i.e., blades rotating from the hub) that drive generators to produce electricity.

Year-to-date: The cumulative sum of each month's value starting with January and ending with the current month of the data.