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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."

Table of Contents

Contacts

 Quality

Preface

 Background

 Data Sources

 Table and Figure Index

References

Glossary

Table and Figure Index

Executive Summary

Table ES.1.A.	Total Electric Power Industry Summary Statistics
Table ES.1.B.	Total Electric Power Industry Summary Statistics, Year-to-Date
Table ES.2.A.	Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units
Table ES.2.B.	Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Btus

Chapter 1. Net Generation

Table 1.1.	Net Generation by Energy Source: Total (All Sectors)
Table 1.1.A.	Net Generation from Renewable Sources: Total (All Sectors)
Table 1.2.	Net Generation by Energy Source: Electric Utilities
Table 1.3.	Net Generation by Energy Source: Independent Power Producers
Table 1.4.	Net Generation by Energy Source: Commercial Combined Heat and Power Sector
Table 1.5.	Net Generation by Energy Source: Industrial Combined Heat and Power Sector
Table 1.6.A.	Net Generation by State by Sector
Table 1.6.B.	Net Generation by State by Sector, Year-to-Date
Table 1.7.A.	Net Generation from Coal by State by Sector
Table 1.7.B.	Net Generation from Coal by State by Sector, Year-to-Date
Table 1.8.A.	Net Generation from Petroleum Liquids by State by Sector
Table 1.8.B.	Net Generation from Petroleum Liquids by State by Sector, Year-to-Date
Table 1.9.A.	Net Generation from Petroleum Coke by State by Sector
Table 1.9.B.	Net Generation from Petroleum Coke by State by Sector, Year-to-Date
Table 1.10.A.	Net Generation from Natural Gas by State by Sector
Table 1.10.B.	Net Generation from Natural Gas by State by Sector, Year-to-Date
Table 1.11.A.	Net Generation from Other Gases by State by Sector
Table 1.11.B.	Net Generation from Other Gases by State by Sector, Year-to-Date
Table 1.12.A.	Net Generation from Nuclear Energy by State by Sector
Table 1.12.B.	Net Generation from Nuclear Energy by State by Sector, Year-to-Date
Table 1.13.A.	Net Generation from Hydroelectric (Conventional) Power by State by Sector
Table 1.13.B.	Net Generation from Hydroelectric (Conventional) Power by State by Sector, Year-to-Date
Table 1.14.A.	Net Generation from Renewable Sources Excluding Hydroelectric by State by Sector
Table 1.14.B.	Net Generation from Renewable Sources Excluding Hydroelectric by State by Sector, Year-to-Date
Table 1.15.A.	Net Generation from Hydroelectric (Pumped Storage) Power by State by Sector
Table 1.15.B.	Net Generation from Hydroelectric (Pumped Storage) Power by State by Sector, Year-to-Date
Table 1.16.A.	Net Generation from Other Energy Sources by State by Sector
Table 1.16.B.	Net Generation from Other Energy Sources by State by Sector, Year-to-Date
Table 1.17.A.	Net Generation from Wind by State by Sector
Table 1.17.B.	Net Generation from Wind by State by Sector, Year-to-Date
Table 1.18.A.	Net Generation from Biomass by State by Sector

Table 1.18.B.	Net Generation from Biomass by State by Sector, Year-to-Date
Table 1.19.A.	Net Generation from Geothermal by Census Division by Sector
Table 1.19.B.	Net Generation from Geothermal by Census Division by Sector, Year-to-Date
Table 1.20.A.	Net Generation from Solar by Census Division by Sector
Table 1.20.B.	Net Generation from Solar by Census Division by Sector, Year-to-Date

Chapter 2. Consumption of Fossil Fuels

Table 2.1.A.	Coal: Consumption for Electricity Generation by Sector
Table 2.1.B.	Coal: Consumption for Useful Thermal Output by Sector
Table 2.1.C.	Coal: Consumption for Electricity Generation and Useful Thermal Output by Sector
Table 2.2.A.	Petroleum Liquids: Consumption for Electricity Generation by Sector
Table 2.2.B.	Petroleum Liquids: Consumption for Useful Thermal Output by Sector
Table 2.2.C.	Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output by Sector
Table 2.3.A.	Petroleum Coke: Consumption for Electricity Generation by Sector
Table 2.3.B.	Petroleum Coke: Consumption for Useful Thermal Output by Sector
Table 2.3.C.	Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output by Sector
Table 2.4.A.	Natural Gas: Consumption for Electricity Generation by Sector
Table 2.4.B.	Natural Gas: Consumption for Useful Thermal Output by Sector
Table 2.4.C.	Natural Gas: Consumption for Electricity Generation and Useful Thermal Output by Sector
Table 2.5.A.	Landfill Gas: Consumption for Electricity Generation by Sector
Table 2.5.B.	Landfill Gas: Consumption for Useful Output by Sector
Table 2.5.C.	Landfill Gas: Consumption for Electricity Generation and Useful Thermal Output by Sector
Table 2.6.A.	Biogenic Municipal Solid Waste: Consumption for Electricity Generation by Sector
Table 2.6.B.	Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output by Sector
Table 2.6.C.	Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output by Sector
Table 2.7.A.	Consumption of Coal for Electricity Generation by State by Sector
Table 2.7.B.	Consumption of Coal for Electricity Generation by State by Sector, Year-to-Date
Table 2.8.A.	Consumption of Petroleum Liquids for Electricity Generation by State by Sector
Table 2.8.B.	Consumption of Petroleum Liquids for Electricity Generation by State by Sector, Year-to-Date
Table 2.9.A.	Consumption of Petroleum Coke for Electricity Generation by State by Sector
Table 2.9.B.	Consumption of Petroleum Coke for Electricity Generation by State by Sector, Year-to-Date
Table 2.10.A.	Consumption of Natural Gas for Electricity Generation by State by Sector
Table 2.10.B.	Consumption of Natural Gas for Electricity Generation by State by Sector, Year-to-Date
Table 2.11.A.	Consumption of Landfill Gas for Electricity Generation by State by Sector
Table 2.11.B.	Consumption of Landfill Gas for Electricity Generation by State by Sector, Year-to-Date
Table 2.12.A.	Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State by Sector
Table 2.12.B.	Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State by Sector, Year-to-Date

Chapter 3. Fossil-Fuel Stocks for Electricity Generation

Table 3.1.	Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector
Table 3.2.	Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by State
Table 3.3.	Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Division
Table 3.4.	Stocks of Coal by Coal Rank

Chapter 4. Receipts and Cost of Fossil Fuels

Table 4.1.	Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors)
Table 4.2.	Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities
Table 4.3.	Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers
Table 4.4.	Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector
Table 4.5.	Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector
Table 4.6.A.	Receipts of Coal Delivered for Electricity Generation by State
Table 4.6.B.	Receipts of Coal Delivered for Electricity Generation by State, Year-to-Date
Table 4.7.A.	Receipts of Petroleum Liquids Delivered for Electricity Generation by State
Table 4.7.B.	Receipts of Petroleum Liquids Delivered for Electricity Generation by State, Year-to-Date
Table 4.8.A.	Receipts of Petroleum Coke Delivered for Electricity Generation by State
Table 4.8.B.	Receipts of Petroleum Coke Delivered for Electricity Generation by State, Year-to-Date
Table 4.9.A.	Receipts of Natural Gas Delivered for Electricity Generation by State
Table 4.9.B.	Receipts of Natural Gas Delivered for Electricity Generation by State, Year-to-Date
Table 4.10.A.	Average Cost of Coal Delivered for Electricity Generation by State
Table 4.10.B.	Average Cost of Coal Delivered for Electricity Generation by State, Year-to-Date
Table 4.11.A.	Average Cost of Petroleum Liquids Delivered for Electricity Generation by State
Table 4.11.B.	Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, Year-to-Date
Table 4.12.A.	Average Cost of Petroleum Coke Delivered for Electricity Generation by State
Table 4.12.B.	Average Cost of Petroleum Coke Delivered for Electricity Generation by State, Year-to-Date
Table 4.13.A.	Average Cost of Natural Gas Delivered for Electricity Generation by State
Table 4.13.B.	Average Cost of Natural Gas Delivered for Electricity Generation by State, Year-to-Date
Table 4.14.	Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State
Table 4.15.	Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilities by State
Table 4.16.	Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State
Table 4.17.	Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Combined Heat and Power Producers by State
Table 4.18.	Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Combined Heat and Power Producers by State

Chapter 5. Retail Sales, Revenue, and Average Retail Price of Electricity

Table 5.1.	Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector
Table 5.2.	Revenue from Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector
Table 5.3.	Average Retail Price of Electricity to Ultimate Customers: Total by End-Use Sector
Table 5.4.A.	Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State

Table 5.4.B.	Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date
Table 5.5.A.	Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State
Table 5.5.B.	Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date
Table 5.6.A.	Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State
Table 5.6.B.	Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date

Chapter 6. Capacity

Table 6.1.	Electric Generating Summer Capacity Changes (MW) for Utility Scale Units
Table 6.2.A.	Net Summer Capacity of Utility Scale Units by Technology and by State
Table 6.2.B.	Net Summer Capacity of Utility Scale Units Using Primarily Renewable Energy Sources and by State
Table 6.2.C.	Net Summer Capacity of Utility Scale Units Using Primarily Fossil Fuels by State
Table 6.3.	New Utility Scale Generating Units by Operating Company, Plant, and Month
Table 6.4.	Retired Utility Scale Generating Units by Operating Company, Plant, and Month
Table 6.5.	Planned U.S. Electric Generating Unit Additions
Table 6.6.	Planned U.S. Electric Generating Unit Retirements
Table 6.7.A.	Capacity Factors for Utility Scale Generators Primarily Using Fossil Fuels
Table 6.7.B.	Capacity Factors for Utility Scale Generators Not Primarily Using Fossil Fuels
Figure 6.1.A.	Utility Scale Generating Units Added
Figure 6.1.B.	Utility Scale Generating Units Retired
Figure 6.1.C.	Utility Scale Generating Units Planned to Come Online
Figure 6.1.D.	Utility Scale Generating Units Planned to Retire

Appendices

Table A.1.A.	Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State
Table A.1.A.	Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State (Continued)
Table A.1.B.	Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date
Table A.1.B.	Relative Standard Error for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date (Continued)
Table A.2.A.	Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State
Table A.2.A.	Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State (Continued)
Table A.2.B.	Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date
Table A.2.B.	Relative Standard Error for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date (Continued)

Table A.3.A.	Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State
Table A.3.A.	Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State (Continued)
Table A.3.B.	Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, Year-to-Date
Table A.3.B.	Relative Standard Error for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, Year-to-Date (Continued)
Table A.4.A.	Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State
Table A.4.A.	Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State (Continued)
Table A.4.B.	Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, Year-to-Date
Table A.4.B.	Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, Year-to-Date (Continued)
Table A.5.A.	Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State
Table A.5.A.	Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, (Continued)
Table A.5.B.	Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, Year-to-Date
Table A.5.B.	Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, Year-to-Date (Continued)
Table A.6.A.	Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State
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
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
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
Table A.8.A.	Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State
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
Table B.1.	Major Disturbances and Unusual Occurrences, Year-to-Date
Table B.2.	Major Disturbances and Unusual Occurrences, Prior Year
Table C.1.	Average Heat Content of Fossil-Fuel Receipts
Table C.2.	Comparison of Preliminary Monthly Data versus Final Monthly Data at the U.S. Level
Table C.3.	Comparison of Annual Monthly Estimates versus Annual Data at the U.S. Level, All Sectors
Table C.4.	Unit-of-Measure Equivalents for Electricity

Table ES1.A. Total Electric Power Industry Summary Statistics, 2013 and 2012

Net Generation and Consumption of Fuels for October											
Fuel	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
	October 2013	October 2012	Percentage Change	Electric Utilities		Independent Power Producers		October 2013	October 2012	October 2013	October 2012
				October 2013	October 2012	October 2013	October 2012				
Net Generation (Thousand Megawatthours)											
Coal	121,474	120,999	0.4%	91,919	90,924	28,443	29,028	54	57	1,059	990
Petroleum Liquids	809	1,061	-23.7%	573	787	193	204	15	19	29	50
Petroleum Coke	1,073	744	44.3%	759	409	157	156	1	1	157	179
Natural Gas	88,049	91,725	-4.0%	37,524	38,288	42,974	45,919	500	513	7,052	7,006
Other Gas	966	895	8.0%	8	0	287	225	0	0	671	670
Nuclear	63,184	59,743	5.8%	31,605	31,289	31,578	28,455	0	0	0	0
Hydroelectric Conventional	17,307	16,501	4.9%	15,678	14,911	1,399	1,395	NM	2	228	192
Renewable Sources Excluding Hydroelectric	21,099	19,225	9.7%	2,579	2,491	15,876	14,180	255	222	2,388	2,332
... Wind	13,720	12,636	8.6%	2,053	2,078	11,660	10,550	NM	5	NM	2
... Solar Thermal and Photovoltaic	967	431	124.2%	96	59	837	356	32	15	NM	1
... Wood and Wood-Derived Fuels	3,327	3,113	6.9%	224	124	813	752	NM	2	2,288	2,235
... Other Biomass	1,659	1,716	-3.3%	120	132	1,227	1,291	218	200	95	94
... Geothermal	1,425	1,329	7.2%	86	99	1,339	1,231	0	0	0	0
Hydroelectric Pumped Storage	-320	-378	-15.4%	-254	-323	-66	-55	0	0	0	0
Other Energy Sources	1,041	1,135	-8.3%	27	48	547	575	96	91	371	422
All Energy Sources	314,683	311,651	1.0%	180,417	178,825	121,388	120,080	923	904	11,955	11,841
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	66,359	66,486	-0.2%	49,556	49,060	16,412	17,044	20	21	371	361
Petroleum Liquids (1000 barrels)	1,494	1,722	-13.3%	1,202	1,372	243	265	14	21	34	64
Petroleum Coke (1000 tons)	408	280	45.6%	289	156	67	64	0	0	52	60
Natural Gas (1000 Mcf)	665,310	700,348	-5.0%	295,788	304,811	314,502	339,272	4,534	4,621	50,486	51,645
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,550	1,545	0.3%	0	0	196	239	78	80	1,276	1,226
Petroleum Liquids (1000 barrels)	214	271	-21.0%	0	0	95	87	7	2	112	182
Petroleum Coke (1000 tons)	109	117	-7.1%	0	0	10	9	1	1	98	107
Natural Gas (1000 Mcf)	72,355	70,985	1.9%	0	0	25,995	25,112	3,848	4,005	42,513	41,867
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	67,909	68,030	-0.2%	49,556	49,060	16,608	17,283	98	101	1,647	1,587
Petroleum Liquids (1000 barrels)	1,708	1,993	-14.3%	1,202	1,372	339	351	21	23	146	246
Petroleum Coke (1000 tons)	517	397	30.1%	289	156	76	73	1	1	150	167
Natural Gas (1000 Mcf)	737,665	771,333	-4.4%	295,788	304,811	340,497	364,384	8,381	8,626	92,998	93,512
Fuel Stocks (end-of-month)											
Coal (1000 tons)	155,285	189,564	-18.1%	125,321	151,418	28,031	34,978	307	444	1,626	2,724
Petroleum Liquids (1000 barrels)	32,973	35,316	-6.6%	21,734	24,078	8,752	8,104	378	294	2,108	2,841
Petroleum Coke (1000 tons)	654	992	-34.1%	214	339	77	67	W	W	W	W

Sales, Revenue, and Average Retail Price for October									
Sector	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
	October 2013	October 2012	Percentage Change	October 2013	October 2012	Percentage Change	October 2013	October 2012	Percentage Change
Residential	98,656	96,669	2.1%	12,142	11,633	4.4%	12.31	12.03	2.3%
Commercial	112,171	110,471	1.5%	11,553	11,131	3.8%	10.30	10.08	2.2%
Industrial	80,463	82,996	-3.1%	5,468	5,491	-0.4%	6.80	6.62	2.7%
Transportation	589	599	-1.8%	61	61	1.0%	10.41	10.13	2.8%
All Sectors	291,879	290,735	0.4%	29,223	28,316	3.2%	10.01	9.74	2.8%

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 for 2013 are preliminary. Values for 2012 are final. Percentage change is calculated before rounding.

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

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

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

Table ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date 2013 and 2012

Net Generation and Consumption of Fuels for January through October											
Fuel	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
	October 2013 YTD	October 2012 YTD	Percentage Change	Electric Utilities		Independent Power Producers		October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
				October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD				
Net Generation (Thousand Megawatthours)											
Coal	1,322,263	1,251,237	5.7%	992,578	949,018	318,214	290,968	680	739	10,791	10,512
Petroleum Liquids	11,033	11,181	-1.3%	7,509	8,420	2,943	2,129	NM	161	383	472
Petroleum Coke	11,597	8,163	42.1%	8,170	4,777	1,553	1,495	4	4	1,869	1,887
Natural Gas	938,779	1,061,736	-11.6%	400,358	435,981	461,070	548,275	5,257	5,632	72,094	71,848
Other Gas	10,159	10,059	1.0%	49	0	2,638	2,520	0	0	7,472	7,540
Nuclear	652,747	644,035	1.4%	335,763	332,129	316,984	311,906	0	0	0	0
Hydroelectric Conventional	230,082	234,524	-1.9%	208,158	215,075	19,059	17,471	32	23	2,833	1,955
Renewable Sources Excluding Hydroelectric	208,746	178,714	16.8%	25,848	22,891	156,617	130,874	2,411	2,109	23,869	22,841
... Wind	137,676	114,649	20.1%	21,045	18,694	116,553	95,895	52	44	27	15
... Solar Thermal and Photovoltaic	7,764	3,631	113.9%	874	536	6,600	2,955	273	128	18	12
... Wood and Wood-Derived Fuels	32,901	31,244	5.3%	1,852	1,475	8,053	7,696	21	19	22,975	22,054
... Other Biomass	16,609	16,366	1.5%	1,197	1,238	12,497	12,451	2,065	1,917	849	759
... Geothermal	13,795	12,825	7.6%	881	947	12,915	11,878	0	0	0	0
Hydroelectric Pumped Storage	-3,678	-3,965	-7.3%	-3,014	-3,348	-664	-617	0	0	0	0
Other Energy Sources	10,374	11,471	-9.6%	337	513	5,725	5,839	957	869	3,355	4,250
All Energy Sources	3,392,101	3,407,155	-0.4%	1,975,759	1,965,455	1,284,138	1,310,860	9,539	9,537	122,666	121,303
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	717,605	682,604	5.1%	532,817	509,675	180,674	168,774	261	254	3,853	3,901
Petroleum Liquids (1000 barrels)	18,815	18,912	-0.5%	13,763	14,894	4,381	3,200	248	225	422	593
Petroleum Coke (1000 tons)	4,206	3,053	37.7%	2,919	1,760	667	646	1	1	618	646
Natural Gas (1000 Mcf)	7,189,213	8,242,857	-12.8%	3,200,930	3,559,779	3,420,118	4,101,669	49,176	54,165	518,989	527,243
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	15,348	16,048	-4.4%	0	0	2,129	2,354	897	931	12,321	12,764
Petroleum Liquids (1000 barrels)	2,460	2,627	-6.4%	0	0	863	822	119	106	1,477	1,700
Petroleum Coke (1000 tons)	901	1,107	-18.6%	0	0	91	95	8	9	802	1,003
Natural Gas (1000 Mcf)	736,871	741,325	-0.6%	0	0	272,230	270,098	37,833	40,265	426,809	430,963
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	732,952	698,653	4.9%	532,817	509,675	182,803	171,128	1,158	1,186	16,174	16,664
Petroleum Liquids (1000 barrels)	21,274	21,539	-1.2%	13,763	14,894	5,245	4,022	368	331	1,899	2,292
Petroleum Coke (1000 tons)	5,106	4,160	22.8%	2,919	1,760	758	740	9	10	1,419	1,649
Natural Gas (1000 Mcf)	7,926,084	8,984,182	-11.8%	3,200,930	3,559,779	3,692,348	4,371,767	87,009	94,430	945,797	958,206
Sales, Revenue, and Average Retail Price for January through October											
Total U.S. Electric Power Industry											
Sector	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)				
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	Percentage Change		
Residential	1,164,921	1,163,172	0.2%	141,674	138,591	2.2%	12.16	11.91	2.1%		
Commercial	1,126,150	1,121,338	0.4%	116,447	113,634	2.5%	10.34	10.13	2.1%		
Industrial	800,985	828,507	-3.3%	54,952	55,530	-1.0%	6.86	6.70	2.4%		
Transportation	6,298	6,133	2.7%	647	625	3.6%	10.28	10.18	1.0%		
All Sectors	3,098,354	3,119,150	-0.7%	313,720	308,381	1.7%	10.13	9.89	2.4%		

YTD = Year to Date

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 for 2013 are preliminary. Values for 2012 are final. Percentage change is calculated before rounding.

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

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

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

Table ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2013 and 2012

Total (All Sectors)										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
Coal (1000 tons)	66,005	72,425	45.73	45.57	327	393	669,998	698,297	45.55	46.19
Petroleum Liquids (1000 barrels)	1,665	1,451	126.36	133.66	171	229	16,431	16,199	125.03	132.14
Petroleum Coke (1000 tons)	422	348	59.82	56.95	12	11	3,790	3,338	62.69	65.56
Natural Gas (1000 Mcf)	664,318	710,327	4.21	3.93	720	809	7,146,692	8,276,340	4.39	3.37

Electric Utilities										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
Coal (1000 tons)	48,221	51,751	46.51	47.07	233	261	489,354	507,149	46.63	47.67
Petroleum Liquids (1000 barrels)	1,008	1,074	133.42	134.37	116	142	10,586	12,071	128.04	133.93
Petroleum Coke (1000 tons)	333	251	58.58	59.25	8	5	2,858	2,024	61.59	68.49
Natural Gas (1000 Mcf)	287,021	298,960	4.51	4.26	367	393	3,104,178	3,472,762	4.56	3.70

Independent Power Producers										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
Coal (1000 tons)	17,045	19,549	42.38	40.38	73	100	173,338	179,963	41.42	40.81
Petroleum Liquids (1000 barrels)	644	306	115.46	135.64	48	65	5,548	3,145	119.82	134.03
Petroleum Coke (1000 tons)	53	33	W	W	2	3	467	643	W	25.26
Natural Gas (1000 Mcf)	317,076	342,548	3.98	3.72	310	334	3,441,370	4,114,613	4.30	3.12

Commercial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
Coal (1000 tons)	3	7	W	W	1	2	131	153	W	81.82
Petroleum Liquids (1000 barrels)	0	7	--	W	0	2	0	37	--	W
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	629	1,705	W	5.56	2	6	4,334	14,777	W	5.89

Industrial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
Coal (1000 tons)	736	1,117	W	W	20	30	7,175	11,032	W	65.11
Petroleum Liquids (1000 barrels)	14	64	119.82	W	7	20	297	947	112.85	W
Petroleum Coke (1000 tons)	36	63	W	W	2	3	465	671	W	73.50
Natural Gas (1000 Mcf)	59,591	67,113	W	3.28	41	76	596,810	674,188	W	2.89

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.

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

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

Note: Values for 2013 are preliminary. Values for 2012 are final. Mcf = thousand cubic feet.

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

Table ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, btus, 2013 and 2012

Total (All Sectors)										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
Coal	1,286,635	1,397,904	2.35	2.36	327	393	12,991,168	13,507,308	2.35	2.39
Petroleum Liquids	10,093	8,718	20.85	22.23	171	229	99,797	97,541	20.58	21.94
Petroleum Coke	11,948	9,915	2.11	2.00	12	11	108,026	95,675	2.19	2.28
Natural Gas	681,492	726,388	4.11	3.84	720	809	7,326,302	8,462,825	4.28	3.30
Fossil Fuels	1,990,168	2,142,919	3.00	2.91	932	1,068	20,525,293	22,163,176	3.09	2.80

Electric Utilities										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
Coal	947,064	1,013,074	2.37	2.40	233	261	9,580,525	9,942,618	2.38	2.43
Petroleum Liquids	6,119	6,497	21.97	22.21	116	142	64,592	72,977	20.99	22.15
Petroleum Coke	9,457	7,203	2.06	2.07	8	5	81,818	58,587	2.15	2.37
Natural Gas	293,607	304,602	4.41	4.18	367	393	3,173,397	3,543,113	4.46	3.62
Fossil Fuels	1,256,247	1,331,372	2.93	2.90	513	562	12,900,332	13,617,123	2.98	2.84

Independent Power Producers										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
Coal	322,743	360,456	2.24	2.19	73	100	3,245,174	3,323,066	2.21	2.21
Petroleum Liquids	3,890	1,785	19.12	23.25	48	65	33,373	18,539	19.90	22.72
Petroleum Coke	1,492	951	W	W	2	3	13,122	18,465	W	0.87
Natural Gas	325,798	351,334	3.87	3.63	310	334	3,533,738	4,213,059	4.19	3.04
Fossil Fuels	653,923	714,526	W	W	373	415	6,825,407	7,573,129	W	2.68

Commercial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
Coal	61	159	W	W	1	2	3,050	3,536	W	3.54
Petroleum Liquids	0	42	--	W	0	2	0	210	--	W
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	633	1,733	W	5.47	2	6	4,369	15,024	W	5.79
Fossil Fuels	694	1,934	W	W	2	7	7,420	18,770	W	W

Industrial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
Coal	16,767	24,214	W	W	20	30	162,418	238,088	W	3.02
Petroleum Liquids	84	394	19.32	W	7	20	1,832	5,815	18.29	W
Petroleum Coke	998	1,760	W	W	2	3	13,087	18,622	W	2.65
Natural Gas	61,454	68,718	W	3.20	41	76	614,797	691,629	W	2.82
Fossil Fuels	79,304	95,087	W	W	44	84	792,134	954,154	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.

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

Note: Values for 2013 are preliminary. Values for 2012 are final.

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

**Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2003-October 2013
(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											
2003	1,973,737	102,734	16,672	649,908	15,600	763,733	275,806	79,487	-8,535	14,045	3,883,185
2004	1,978,301	100,391	20,754	710,100	15,252	788,528	268,417	83,067	-8,488	14,232	3,970,555
2005	2,012,873	99,840	22,385	760,960	13,464	781,986	270,321	87,329	-6,558	12,821	4,055,423
2006	1,990,511	44,460	19,706	816,441	14,177	787,219	289,246	96,525	-6,558	12,974	4,064,702
2007	2,016,456	49,505	16,234	896,590	13,453	806,425	247,510	105,238	-6,896	12,231	4,156,745
2008	1,985,801	31,917	14,325	882,981	11,707	806,208	254,831	126,101	-6,288	11,804	4,119,388
2009	1,755,904	25,972	12,964	920,979	10,632	798,855	273,445	144,279	-4,627	11,928	3,950,331
2010	1,847,290	23,337	13,724	987,697	11,313	806,968	260,203	167,173	-5,501	12,855	4,125,060
2011	1,733,430	16,086	14,096	1,013,689	11,566	790,204	319,355	193,981	-6,421	14,154	4,100,141
2012	1,514,043	13,403	9,787	1,225,894	11,898	769,331	276,240	218,333	-4,950	13,787	4,047,765
2011											
January	170,803	1,902	1,555	74,254	930	72,743	25,531	14,742	-659	1,071	362,872
February	138,311	1,217	1,217	65,924	807	64,789	24,131	16,116	-413	1,027	313,127
March	134,845	1,276	1,416	65,947	945	65,662	31,134	16,650	-349	1,182	318,710
April	124,488	1,459	965	70,029	918	54,547	31,194	18,125	-466	1,141	302,401
May	137,102	1,356	1,023	75,243	875	57,013	32,587	17,638	-417	1,210	323,628
June	158,055	1,374	1,220	90,691	1,013	65,270	32,151	17,284	-567	1,236	367,727
July	176,586	1,714	1,440	119,624	1,098	72,345	31,285	14,000	-708	1,309	418,693
August	171,281	1,295	1,299	119,856	1,087	71,339	25,764	14,054	-692	1,230	406,511
Sept	140,941	1,119	1,305	91,739	1,004	66,849	21,378	13,048	-583	1,132	337,931
October	126,627	1,114	948	78,819	941	63,337	19,787	16,550	-601	1,176	308,699
November	121,463	1,082	701	75,441	943	64,474	20,681	18,589	-458	1,187	304,102
December	132,929	1,178	1,007	86,122	1,005	71,837	23,732	17,185	-509	1,254	335,740
2012											
January	129,091	1,180	1,297	90,761	1,017	72,381	23,107	19,906	-348	1,137	339,528
February	113,872	908	994	90,610	1,044	63,847	20,283	16,996	-237	1,072	309,389
March	105,526	971	570	92,251	1,076	61,729	25,909	20,200	-281	1,140	309,091
April	96,285	965	538	94,829	1,057	55,871	26,294	18,563	-265	1,091	295,228
May	115,983	1,079	651	107,352	1,002	62,081	28,643	18,898	-371	1,200	336,518
June	131,261	1,306	762	115,598	972	65,140	26,659	18,470	-507	1,166	360,826
July	160,450	1,530	809	138,863	1,042	69,129	26,491	15,725	-619	1,218	414,640
August	152,181	1,202	916	131,736	1,050	69,602	23,034	15,330	-529	1,178	395,700
Sept	125,589	978	882	108,012	904	64,511	17,604	15,401	-431	1,135	334,585
October	120,999	1,061	744	91,725	895	59,743	16,501	19,225	-378	1,135	311,651
November	128,727	986	824	80,169	875	56,713	18,732	18,217	-409	1,140	305,975
December	134,079	1,235	800	83,989	963	68,584	22,984	21,402	-576	1,176	334,635
2013											
January	138,265	1,661	1,047	88,012	998	71,406	25,114	21,452	-463	998	348,490
February	123,828	1,103	871	79,874	877	61,483	20,511	20,262	-300	926	309,435
March	130,961	974	1,037	84,281	989	62,947	20,654	22,814	-409	1,054	325,301
April	112,232	973	914	77,128	925	56,767	24,758	23,693	-288	973	298,074
May	119,898	1,053	1,357	83,063	1,059	62,848	28,549	23,336	-355	1,027	321,834
June	138,849	1,027	1,314	98,517	1,015	66,430	27,308	21,063	-355	1,056	356,224
July	153,304	1,478	1,150	119,274	1,150	70,539	27,240	18,686	-345	1,112	393,799
August	149,875	1,090	1,379	119,480	1,144	71,344	21,712	17,277	-454	1,122	383,968
Sept	133,577	865	1,243	101,102	1,037	65,799	16,929	19,065	-389	1,066	340,293
October	121,474	809	1,073	88,049	966	63,184	17,307	21,099	-320	1,041	314,683
Year to Date											
2011	1,479,039	13,826	12,388	852,126	9,618	653,893	274,942	158,206	-5,454	11,713	3,460,298
2012	1,251,237	11,181	8,163	1,061,736	10,059	644,035	234,524	178,714	-3,965	11,471	3,407,155
2013	1,322,263	11,033	11,597	938,779	10,159	652,747	230,082	208,746	-3,678	10,374	3,392,101
Rolling 12 Months Ending in October											
2012	1,505,628	13,441	9,872	1,223,299	12,007	780,346	278,937	214,489	-4,932	13,911	4,046,998
2013	1,585,069	13,255	13,220	1,102,937	11,997	778,044	271,798	248,364	-4,663	12,689	4,032,711

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 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 1.1.A. Net Generation from Renewable Sources: Total (All Sectors), 2003-October 2013
(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										
2003	11,187	2	532	37,529	5,077	8,306	2,428	14,424	275,806	355,293
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
2011										
January	8,550	33	6	3,290	732	542	241	1,347	25,531	40,273
February	10,452	47	39	2,937	680	505	242	1,215	24,131	40,247
March	10,545	65	58	3,081	737	600	228	1,337	31,134	47,784
April	12,422	80	84	2,798	692	602	209	1,239	31,194	49,320
May	11,772	90	100	2,794	728	630	205	1,318	32,587	50,225
June	10,985	98	125	3,230	764	650	218	1,215	32,151	49,435
July	7,489	88	103	3,362	793	659	238	1,269	31,285	45,285
August	7,474	120	109	3,384	805	635	252	1,275	25,764	39,817
Sept	6,869	108	78	3,178	754	603	232	1,226	21,378	34,425
October	10,525	99	60	2,954	754	630	247	1,281	19,787	36,337
November	12,439	82	25	3,088	793	636	256	1,271	20,681	39,270
December	10,656	101	20	3,353	813	662	256	1,324	23,732	40,917
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	28,643	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
Year to Date										
2011	97,082	829	761	31,008	7,438	6,056	2,312	12,720	274,942	433,149
2012	114,649	2,802	829	31,244	8,085	6,077	2,203	12,825	234,524	413,238
2013	137,676	6,937	827	32,901	8,178	6,127	2,303	13,795	230,082	438,828
Rolling 12-Month Ending in October										
2012	137,743	2,985	874	37,685	9,691	7,375	2,716	15,421	278,937	493,426
2013	163,849	7,586	874	39,456	9,896	7,370	2,800	16,532	271,798	520,163

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 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.

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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 1.2. Net Generation by Energy Source: Electric Utilities, 2003-October 2013
(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											
2003	1,500,281	62,774	7,156	186,967	243	458,829	249,622	3,421	-7,532	519	2,462,281
2004	1,513,641	62,196	11,498	199,662	374	475,682	245,546	3,692	-7,526	467	2,505,231
2005	1,484,855	58,572	11,150	238,204	10	436,296	245,553	4,945	-5,383	643	2,474,846
2006	1,471,421	31,269	9,634	282,088	30	425,341	261,864	6,588	-5,281	700	2,483,656
2007	1,490,985	33,325	7,395	313,785	141	427,555	226,734	8,953	-5,328	586	2,504,131
2008	1,466,395	22,206	5,918	320,190	46	424,256	229,645	11,308	-5,143	545	2,475,367
2009	1,322,092	18,035	7,182	349,166	96	417,275	247,198	14,617	-3,369	483	2,372,776
2010	1,378,028	17,258	8,807	392,616	52	424,843	236,104	17,927	-4,466	462	2,471,632
2011	1,301,107	11,688	9,428	414,843	29	415,298	291,413	21,933	-5,492	604	2,460,851
2012	1,146,480	9,892	5,664	504,958	0	394,823	252,936	28,017	-4,202	603	2,339,172
2011											
January	126,539	1,210	1,082	29,515	1	37,742	23,602	1,713	-551	46	220,900
February	103,607	888	818	25,456	1	34,119	22,187	1,905	-331	49	188,700
March	102,328	982	922	26,612	1	34,201	28,401	1,930	-277	49	195,148
April	93,647	1,178	600	29,154	1	28,964	28,280	2,098	-403	50	183,567
May	104,296	1,062	655	31,372	7	28,502	29,436	1,975	-366	55	196,994
June	119,780	976	831	38,311	6	34,635	29,631	1,795	-491	60	225,535
July	133,078	1,110	983	49,479	1	38,444	29,180	1,428	-612	51	253,142
August	128,915	924	908	49,617	1	37,435	23,866	1,418	-599	55	242,540
Sept	105,127	819	945	37,391	2	34,639	19,289	1,383	-500	48	199,144
October	94,046	837	618	33,218	1	33,558	17,509	2,041	-517	46	181,359
November	90,103	822	399	30,532	4	34,107	18,732	2,168	-398	45	176,515
December	99,641	879	667	34,186	3	38,952	21,300	2,079	-450	49	197,306
2012											
January	96,773	858	843	36,548	0	38,270	20,835	2,620	-301	53	196,498
February	86,462	699	658	35,281	0	33,117	18,363	2,124	-202	53	176,554
March	80,689	784	256	36,916	0	30,601	23,555	2,697	-209	43	175,331
April	75,146	766	293	38,669	0	27,884	24,174	2,374	-250	41	169,095
May	87,924	816	380	45,633	0	31,384	26,049	2,645	-291	53	194,593
June	100,022	934	473	48,423	0	34,052	24,540	2,448	-429	52	210,514
July	121,051	1,133	467	57,832	0	35,999	24,766	1,828	-530	48	242,595
August	115,044	906	477	53,961	0	36,149	21,575	1,851	-445	59	229,579
Sept	94,983	737	520	44,430	0	33,384	16,308	1,814	-368	62	191,871
October	90,924	787	409	38,288	0	31,289	14,911	2,491	-323	48	178,825
November	96,094	717	454	33,438	0	29,038	16,928	2,474	-355	46	178,834
December	101,368	755	434	35,539	0	33,656	20,933	2,653	-499	45	194,884
2013											
January	103,667	982	700	36,940	0	36,748	22,730	2,908	-401	33	204,308
February	91,563	697	616	33,820	0	31,144	18,273	2,650	-284	31	178,510
March	97,856	731	687	35,996	8	31,426	18,392	2,801	-362	38	187,573
April	84,564	721	574	32,110	7	28,991	22,588	3,011	-228	28	172,366
May	90,169	752	1,035	35,214	3	32,977	25,950	2,801	-281	39	188,659
June	104,841	734	966	42,815	3	34,504	24,744	2,404	-257	34	210,788
July	114,527	955	976	50,367	6	36,733	24,660	2,196	-242	40	230,218
August	114,165	812	952	52,076	6	37,177	19,804	1,978	-407	39	226,603
Sept	99,308	552	905	43,496	9	34,459	15,339	2,520	-297	28	196,318
October	91,919	573	759	37,524	8	31,605	15,678	2,579	-254	27	180,417
Year to Date											
2011	1,111,364	9,987	8,362	350,125	22	342,239	251,382	17,685	-4,645	509	2,087,030
2012	949,018	8,420	4,777	435,981	0	332,129	215,075	22,891	-3,348	513	1,965,455
2013	992,578	7,509	8,170	400,358	49	335,763	208,158	25,848	-3,014	337	1,975,759
Rolling 12 Months Ending in October											
2012	1,138,761	10,122	5,842	500,699	7	405,188	255,107	27,138	-4,195	607	2,339,276
2013	1,190,041	8,982	9,058	469,336	49	398,457	246,020	30,975	-3,868	427	2,349,476

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

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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 1.3. Net Generation by Energy Source: Independent Power Producers, 2003-October 2013
(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											
2003	452,433	35,818	7,949	380,337	2,404	304,904	21,890	46,060	-1,003	8,088	1,258,879
2004	443,547	33,574	7,410	427,510	3,194	312,846	19,518	48,636	-962	7,856	1,303,129
2005	507,199	37,096	9,664	445,625	3,767	345,690	21,486	51,708	-1,174	6,285	1,427,346
2006	498,316	10,396	8,409	452,329	4,223	361,877	24,390	59,345	-1,277	6,412	1,424,421
2007	507,406	13,645	6,942	500,967	3,901	378,869	19,109	65,751	-1,569	6,191	1,501,212
2008	502,442	8,021	6,737	482,182	3,154	381,952	23,451	85,776	-1,145	6,414	1,498,982
2009	419,031	6,306	4,288	491,839	2,962	381,579	24,308	101,860	-1,259	6,146	1,437,061
2010	449,709	5,117	3,497	508,774	2,915	382,126	22,351	120,956	-1,035	6,345	1,500,754
2011	416,783	3,655	3,431	511,447	2,911	374,906	26,117	141,954	-928	7,059	1,487,335
2012	354,076	2,757	1,758	627,833	2,984	374,509	20,923	160,064	-748	7,030	1,551,186
2011											
January	42,852	588	349	37,417	242	35,000	1,785	10,446	-108	530	129,100
February	33,475	252	298	33,924	206	30,670	1,782	11,904	-82	503	112,932
March	31,255	229	393	32,750	251	31,461	2,544	12,260	-72	589	111,660
April	29,625	221	258	34,103	243	25,583	2,728	13,669	-63	584	106,952
May	31,525	242	259	36,802	235	28,511	2,950	13,346	-51	590	114,409
June	36,936	347	284	45,115	253	30,635	2,367	12,911	-76	621	129,393
July	42,051	554	358	62,024	261	33,901	1,993	9,969	-96	645	151,659
August	40,884	320	298	61,922	263	33,903	1,800	9,991	-94	614	149,901
Sept	34,521	246	261	46,908	251	32,210	1,965	9,121	-83	569	125,969
October	31,395	213	225	38,745	239	29,779	2,150	12,071	-84	582	115,317
November	30,220	204	207	37,730	224	30,367	1,801	13,840	-60	593	115,124
December	32,045	238	241	44,007	244	32,885	2,252	12,425	-59	639	124,919
2012											
January	31,101	224	206	46,574	263	34,111	1,995	14,684	-47	577	129,688
February	26,312	147	169	48,027	256	30,730	1,678	12,406	-35	546	120,236
March	23,721	127	138	48,085	261	31,128	2,117	15,075	-71	587	121,167
April	20,138	141	87	49,080	254	27,987	1,940	13,914	-15	561	114,087
May	27,005	210	121	53,993	244	30,697	2,379	13,838	-80	599	129,007
June	30,125	314	119	59,262	253	31,088	1,942	13,609	-78	612	137,247
July	38,127	340	146	72,301	266	33,130	1,586	11,293	-89	620	157,719
August	35,897	235	202	69,198	266	33,453	1,305	10,855	-84	588	151,914
Sept	29,513	186	151	55,837	232	31,126	1,135	11,021	-62	575	129,715
October	29,028	204	156	45,919	225	28,455	1,395	14,180	-55	575	120,080
November	31,554	213	130	39,163	211	27,674	1,590	13,150	-54	580	114,213
December	31,555	415	133	40,394	253	34,928	1,862	16,039	-77	610	126,112
2013											
January	33,501	588	158	42,880	244	34,658	2,064	15,829	-61	548	130,408
February	31,197	344	141	38,670	198	30,340	1,889	15,091	-15	495	118,351
March	31,934	191	157	40,350	213	31,522	1,960	17,319	-47	587	124,185
April	26,657	198	150	37,904	219	27,776	1,914	18,334	-60	555	113,647
May	28,566	240	108	40,265	271	29,871	2,275	17,994	-74	607	120,123
June	32,790	243	146	47,998	281	31,926	2,266	16,025	-97	605	132,182
July	37,467	457	172	60,673	316	33,807	2,265	13,720	-103	621	149,395
August	34,518	222	215	59,278	315	34,167	1,669	12,530	-47	593	143,460
Sept	33,141	266	148	50,078	295	31,340	1,359	13,898	-92	568	131,000
October	28,443	193	157	42,974	287	31,578	1,399	15,876	-66	547	121,388
Year to Date											
2011	354,518	3,212	2,984	429,710	2,443	311,654	22,064	115,689	-809	5,827	1,247,292
2012	290,968	2,129	1,495	548,275	2,520	311,906	17,471	130,874	-617	5,839	1,310,860
2013	318,214	2,943	1,553	461,070	2,638	316,984	19,059	156,617	-664	5,725	1,284,138
Rolling 12 Months Ending in October											
2012	353,233	2,571	1,942	630,013	2,987	375,158	21,524	157,139	-736	7,071	1,550,904
2013	381,322	3,571	1,816	540,627	3,102	379,586	22,511	185,807	-795	6,915	1,524,463

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 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.

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Table 1.4. Net Generation by Energy Source: Commercial Sector, 2003-October 2013
(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											
2003	1,206	416	8	3,899	0	0	72	1,302	0	594	7,496
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
2011											
January	108	20	1	421	0	0	2	194	0	71	817
February	104	10	1	367	0	0	2	180	0	61	725
March	100	6	1	373	0	0	3	200	0	71	753
April	77	4	0	357	0	0	3	195	0	71	706
May	82	5	0	471	0	0	3	218	0	88	867
June	90	3	0	463	0	0	2	218	0	84	860
July	104	7	0	605	0	0	2	220	0	85	1,023
August	94	7	0	571	0	0	2	225	0	87	985
Sept	84	7	0	487	0	0	2	208	0	83	870
October	65	6	0	438	0	0	2	204	0	84	799
November	62	6	0	437	0	0	2	208	0	84	800
December	78	5	1	499	0	0	2	207	0	81	874
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
Year to Date											
2011	909	74	2	4,551	3	0	22	2,061	0	785	8,406
2012	739	161	4	5,632	0	0	23	2,109	0	869	9,537
2013	680	NM	4	5,257	0	0	32	2,411	0	957	9,539
Rolling 12 Months Ending in October											
2012	879	173	5	6,568	1	0	27	2,523	0	1,034	11,210
2013	824	NM	6	6,228	0	0	NM	2,848	0	1,134	11,303

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 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 1.5. Net Generation by Energy Source: Industrial Sector, 2003-October 2013
(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											
2003	19,817	3,726	1,559	78,705	12,953	0	4,222	28,704	0	4,843	154,530
2004	19,773	4,128	1,839	78,959	11,684	0	3,248	29,164	0	5,129	153,925
2005	19,466	3,804	1,564	72,882	9,687	0	3,195	29,003	0	5,137	144,739
2006	19,464	2,567	1,656	77,669	9,923	0	2,899	28,972	0	5,103	148,254
2007	16,694	2,355	1,889	77,580	9,411	0	1,590	28,919	0	4,690	143,128
2008	15,703	1,555	1,664	76,421	8,507	0	1,676	27,462	0	4,125	137,113
2009	13,686	1,474	1,489	75,748	7,574	0	1,868	26,033	0	4,457	132,329
2010	18,441	844	1,414	81,583	8,343	0	1,668	26,576	0	5,214	144,082
2011	14,490	657	1,234	81,911	8,624	0	1,799	27,619	0	5,541	141,875
2012	12,603	563	2,359	86,500	8,913	0	2,353	27,707	0	5,108	146,107
2011											
January	1,304	84	123	6,901	687	0	143	2,389	0	423	12,054
February	1,125	68	100	6,177	600	0	160	2,126	0	414	10,770
March	1,161	59	101	6,212	693	0	187	2,260	0	474	11,149
April	1,139	56	107	6,416	674	0	184	2,164	0	436	11,175
May	1,199	47	109	6,597	633	0	198	2,099	0	477	11,359
June	1,249	48	104	6,802	753	0	150	2,360	0	471	11,938
July	1,353	43	98	7,517	836	0	109	2,384	0	529	12,868
August	1,389	45	94	7,745	823	0	96	2,420	0	474	13,085
Sept	1,209	46	99	6,953	752	0	122	2,336	0	432	11,948
October	1,120	58	104	6,419	700	0	126	2,233	0	463	11,224
November	1,077	49	95	6,742	715	0	146	2,374	0	465	11,663
December	1,165	55	100	7,429	758	0	178	2,474	0	483	12,642
2012											
January	1,135	84	247	7,096	754	0	275	2,405	0	431	12,425
February	1,017	46	167	6,771	788	0	240	2,272	0	396	11,699
March	1,041	49	176	6,713	815	0	234	2,225	0	428	11,681
April	935	41	158	6,571	803	0	178	2,068	0	403	11,158
May	984	41	150	7,186	758	0	212	2,200	0	458	11,988
June	1,035	37	170	7,327	719	0	175	2,210	0	418	12,091
July	1,189	39	195	8,013	776	0	137	2,385	0	454	13,190
August	1,159	43	235	7,956	784	0	152	2,396	0	434	13,160
Sept	1,026	40	210	7,209	672	0	159	2,347	0	406	12,069
October	990	50	179	7,006	670	0	192	2,332	0	422	11,841
November	1,012	41	239	7,080	664	0	213	2,376	0	428	12,052
December	1,079	51	233	7,573	709	0	186	2,490	0	430	12,751
2013											
January	1,020	58	188	7,634	755	0	317	2,495	0	328	12,795
February	986	38	112	6,880	678	0	345	2,313	0	318	11,671
March	1,099	36	192	7,419	769	0	298	2,445	0	330	12,589
April	956	37	190	6,674	700	0	253	2,115	0	295	11,220
May	1,097	43	214	7,093	785	0	320	2,301	0	291	12,143
June	1,142	32	203	7,192	731	0	295	2,389	0	322	12,306
July	1,233	39	212	7,628	827	0	312	2,521	0	349	13,121
August	1,125	40	211	7,539	823	0	235	2,508	0	383	12,864
Sept	1,075	30	190	6,984	734	0	230	2,393	0	367	12,003
October	1,059	29	157	7,052	671	0	228	2,388	0	371	11,955
Year to Date											
2011	12,248	553	1,039	67,740	7,151	0	1,475	22,772	0	4,592	117,570
2012	10,512	472	1,887	71,848	7,540	0	1,955	22,841	0	4,250	121,303
2013	10,791	383	1,869	72,094	7,472	0	2,833	23,869	0	3,355	122,666
Rolling 12 Months Ending in October											
2012	12,755	575	2,082	86,019	9,013	0	2,278	27,688	0	5,198	145,608
2013	12,883	474	2,340	86,746	8,846	0	3,232	28,735	0	4,213	147,469

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 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.

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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.

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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 1.6.A. Net Generation
by State, by Sector, October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	9,226	9,113	1.2%	146	145	8,572	8,431	81	95	427	442
Connecticut	2,870	2,762	3.9%	NM	3	2,822	2,691	25	38	20	29
Maine	1,045	1,226	-14.8%	NM	0	665	864	19	17	360	345
Massachusetts	2,663	2,968	-10.3%	28	38	2,563	2,837	29	31	43	62
New Hampshire	1,442	841	71.4%	42	61	1,393	774	NM	4	NM	2
Rhode Island	598	751	-20.3%	1	1	594	746	NM	5	0	0
Vermont	608	564	7.7%	72	42	534	520	NM	0	NM	2
Middle Atlantic	30,787	32,162	-4.3%	2,518	2,385	27,798	29,301	151	151	320	325
New Jersey	4,750	4,808	-1.2%	-11	-7	4,668	4,708	47	41	47	66
New York	10,367	10,587	-2.1%	2,477	2,340	7,734	8,084	80	86	76	77
Pennsylvania	15,671	16,766	-6.5%	53	52	15,396	16,509	25	24	198	182
East North Central	48,901	46,231	5.8%	24,257	23,065	23,690	22,229	138	147	815	791
Illinois	16,377	15,416	6.2%	724	758	15,424	14,452	32	36	197	169
Indiana	8,732	8,594	1.6%	7,607	7,327	868	1,005	12	16	245	247
Michigan	8,288	8,269	0.2%	6,377	6,338	1,716	1,742	72	87	123	102
Ohio	10,618	9,085	16.9%	6,204	5,539	4,303	3,434	19	4	93	109
Wisconsin	4,885	4,866	0.4%	3,345	3,104	1,381	1,595	NM	3	156	165
West North Central	26,165	25,529	2.5%	22,273	22,368	3,487	2,824	49	41	355	296
Iowa	4,131	4,191	-1.4%	2,862	3,318	1,070	705	16	16	182	151
Kansas	3,878	3,636	6.6%	2,964	3,208	901	427	0	0	NM	2
Minnesota	4,079	4,292	-5.0%	3,236	3,389	719	781	NM	11	109	110
Missouri	7,170	6,695	7.1%	7,044	6,524	106	155	16	12	NM	4
Nebraska	3,139	2,633	19.2%	2,955	2,517	150	95	NM	2	33	19
North Dakota	2,921	2,952	-1.0%	2,566	2,516	343	427	NM	0	NM	8
South Dakota	846	1,130	-25.1%	647	897	199	233	NM	0	0	0
South Atlantic	60,717	58,154	4.4%	49,141	47,212	9,947	9,316	77	53	1,552	1,572
Delaware	662	695	-4.7%	NM	1	601	646	NM	0	60	47
District of Columbia	NM	5	NM	0	0	0	0	NM	5	0	0
Florida	19,106	18,481	3.4%	17,542	16,906	1,132	1,091	NM	5	425	479
Georgia	9,459	9,351	1.2%	8,311	7,779	733	1,151	NM	3	412	418
Maryland	3,015	3,236	-6.8%	NM	0	2,970	3,182	19	15	25	39
North Carolina	10,153	8,168	24.3%	8,801	7,452	1,139	513	5	5	209	199
South Carolina	6,306	7,801	-19.2%	5,976	7,563	160	92	NM	0	170	146
Virginia	5,491	4,843	13.4%	4,664	3,668	613	972	39	20	175	183
West Virginia	6,520	5,573	17.0%	3,845	3,843	2,599	1,670	0	0	77	61
East South Central	27,713	28,028	-1.1%	23,677	24,718	3,176	2,481	NM	14	846	816
Alabama	11,880	11,455	3.7%	9,015	8,988	2,521	2,167	0	0	344	301
Kentucky	6,869	6,975	-1.5%	6,837	6,943	NM	3	0	0	30	29
Mississippi	3,765	4,002	-5.9%	2,903	3,445	645	299	NM	1	215	257
Tennessee	5,199	5,596	-7.1%	4,922	5,342	8	12	NM	12	256	230
West South Central	51,438	51,074	0.7%	18,657	18,382	26,794	26,854	70	54	5,916	5,784
Arkansas	4,616	4,341	6.4%	3,628	2,832	845	1,348	NM	0	143	160
Louisiana	7,777	8,298	-6.3%	4,114	4,210	1,260	1,543	NM	4	2,399	2,542
Oklahoma	5,013	5,280	-5.1%	3,510	3,907	1,423	1,303	NM	0	77	70
Texas	34,032	33,155	2.6%	7,405	7,433	23,267	22,660	63	50	3,297	3,013
Mountain	29,077	30,137	-3.5%	22,449	23,368	6,334	6,469	30	30	263	270
Arizona	8,274	8,608	-3.9%	6,585	7,038	1,680	1,559	10	10	0	0
Colorado	3,998	4,192	-4.6%	3,015	3,407	976	777	NM	2	NM	6
Idaho	1,004	894	12.3%	530	454	424	385	0	0	50	56
Montana	1,890	2,364	-20.0%	434	350	1,455	2,012	0	0	NM	1
Nevada	2,785	3,119	-10.7%	1,821	2,177	934	911	8	9	21	23
New Mexico	2,885	3,028	-4.7%	2,435	2,635	444	387	7	6	NM	0
Utah	3,815	3,523	8.3%	3,548	3,288	166	147	NM	2	98	86
Wyoming	4,424	4,409	0.3%	4,080	4,018	256	291	0	0	88	99
Pacific Contiguous	29,281	29,709	-1.4%	16,358	16,075	11,235	11,861	255	272	1,432	1,501
California	16,278	17,603	-7.5%	6,028	6,661	8,745	9,356	249	263	1,255	1,322
Oregon	4,485	4,529	-1.0%	3,234	3,164	1,198	1,297	NM	8	47	60
Washington	8,518	7,577	12.4%	7,097	6,250	1,292	1,207	NM	1	130	119
Pacific Noncontiguous	1,379	1,514	-8.9%	941	1,106	355	315	56	48	27	44
Alaska	512	628	-18.4%	462	578	21	21	22	23	NM	7
Hawaii	867	886	-2.2%	479	528	334	294	34	25	20	38
U.S. Total	314,683	311,651	1.0%	180,417	178,825	121,388	120,080	923	904	11,955	11,841

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 for 2013 are preliminary. Values for 2012 are final. 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 1.6.B. Net Generation
by State, by Sector, Year-to-Date through October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	97,610	101,967	-4.3%	3,225	2,538	88,866	94,136	1,034	978	4,485	4,316
Connecticut	29,454	30,113	-2.2%	38	31	28,844	29,488	306	323	266	271
Maine	11,596	12,122	-4.3%	NM	0	7,851	8,632	197	173	3,548	3,317
Massachusetts	28,856	31,220	-7.6%	562	501	27,250	29,643	426	393	618	683
New Hampshire	16,423	15,823	3.8%	1,859	1,523	14,476	14,233	58	41	NM	26
Rhode Island	5,636	7,349	-23.3%	9	9	5,584	7,295	44	45	0	0
Vermont	5,646	5,340	5.7%	757	473	4,862	4,845	NM	3	NM	19
Middle Atlantic	357,853	357,329	0.1%	28,432	29,493	324,252	322,901	1,715	1,628	3,453	3,308
New Jersey	54,622	57,059	-4.3%	-98	-67	53,649	56,013	494	460	578	654
New York	112,910	114,152	-1.1%	27,592	28,735	83,615	83,763	924	866	779	788
Pennsylvania	190,320	186,117	2.3%	938	826	186,988	183,124	297	301	2,096	1,866
East North Central	513,286	513,539	0.0%	267,811	256,787	235,172	246,157	1,561	1,762	8,742	8,833
Illinois	168,032	163,915	2.5%	9,704	10,548	155,769	150,743	401	411	2,158	2,212
Indiana	91,149	95,295	-4.4%	79,527	82,692	8,785	9,662	191	194	2,646	2,747
Michigan	86,309	91,981	-6.2%	68,084	67,702	16,315	22,332	704	820	1,206	1,127
Ohio	113,151	108,784	4.0%	71,938	62,162	39,861	45,252	231	274	1,121	1,095
Wisconsin	54,645	53,565	2.0%	38,558	33,683	14,443	18,168	33	63	1,611	1,651
West North Central	275,078	272,588	0.9%	239,021	240,524	32,018	28,302	463	480	3,576	3,283
Iowa	47,341	46,865	1.0%	35,258	35,555	10,091	9,414	176	173	1,815	1,723
Kansas	40,357	36,327	11.1%	33,129	33,114	7,156	3,152	0	0	73	62
Minnesota	42,050	43,263	-2.8%	33,851	35,055	6,902	6,996	132	146	1,165	1,066
Missouri	76,889	76,902	0.0%	74,772	74,136	1,923	2,579	141	145	52	42
Nebraska	30,644	28,759	6.6%	29,059	27,607	1,235	851	13	15	337	286
North Dakota	29,267	30,212	-3.1%	26,113	26,675	3,021	3,432	NM	0	133	104
South Dakota	8,529	10,260	-16.9%	6,840	8,382	1,689	1,879	NM	0	0	0
South Atlantic	634,610	630,565	0.6%	518,574	510,007	99,620	104,321	784	592	15,633	15,646
Delaware	6,554	7,520	-12.8%	NM	11	5,729	6,833	NM	3	812	673
District of Columbia	50	63	-20.0%	0	0	0	9	50	53	0	0
Florida	186,452	188,870	-1.3%	170,069	169,598	11,945	14,718	56	54	4,382	4,500
Georgia	101,334	103,960	-2.5%	88,899	85,436	8,415	14,605	28	23	3,993	3,897
Maryland	29,283	31,154	-6.0%	17	7	28,769	30,457	219	209	278	481
North Carolina	104,242	97,719	6.7%	91,131	90,279	10,986	5,447	52	39	2,073	1,954
South Carolina	80,012	82,211	-2.7%	77,071	78,761	1,426	1,806	NM	0	1,514	1,644
Virginia	64,023	59,756	7.1%	53,243	47,197	8,779	10,718	374	211	1,626	1,631
West Virginia	62,658	59,312	5.6%	38,133	38,718	23,571	19,727	0	0	954	866
East South Central	312,642	314,211	-0.5%	270,711	260,877	32,617	44,598	166	157	9,147	8,580
Alabama	125,595	128,504	-2.3%	95,273	90,113	26,671	34,843	0	0	3,651	3,548
Kentucky	75,151	74,754	0.5%	74,595	74,023	204	322	0	0	351	410
Mississippi	44,488	46,701	-4.7%	36,376	34,835	5,660	9,341	NM	19	2,435	2,506
Tennessee	67,408	64,251	4.9%	64,467	61,906	82	91	149	138	2,710	2,115
West South Central	561,428	577,041	-2.7%	205,983	213,399	294,321	303,505	642	666	60,482	59,471
Arkansas	51,156	55,333	-7.5%	38,201	37,201	11,333	16,536	NM	5	1,618	1,591
Louisiana	84,491	88,010	-4.0%	42,015	44,621	18,170	20,320	36	39	24,270	23,031
Oklahoma	61,514	67,859	-9.4%	44,621	49,474	16,130	17,669	NM	10	749	706
Texas	364,267	365,839	-0.4%	81,146	82,103	248,689	248,979	587	613	33,845	34,143
Mountain	314,099	307,982	2.0%	245,610	242,459	65,576	62,310	313	313	2,601	2,899
Arizona	93,601	95,077	-1.6%	77,548	78,257	15,950	16,516	103	111	0	193
Colorado	44,280	43,941	0.8%	33,810	34,755	10,381	9,105	33	21	56	60
Idaho	13,329	13,524	-1.4%	8,757	9,560	4,149	3,482	0	0	423	482
Montana	23,238	22,248	4.4%	6,309	7,028	16,920	15,213	0	0	9	7
Nevada	30,872	29,439	4.9%	21,293	20,225	9,298	8,912	83	78	198	225
New Mexico	30,344	30,731	-1.3%	25,375	25,719	4,902	4,941	64	71	NM	0
Utah	35,334	32,717	8.0%	32,766	30,120	1,554	1,640	30	32	983	925
Wyoming	43,102	40,304	6.9%	39,751	36,796	2,422	2,500	0	0	929	1,008
Pacific Contiguous	312,245	317,716	-1.7%	187,209	199,111	108,353	101,574	2,435	2,486	14,248	14,545
California	167,689	169,015	-0.8%	67,345	69,877	85,426	83,801	2,383	2,424	12,535	12,912
Oregon	49,635	50,820	-2.3%	36,170	39,324	12,897	10,945	50	56	518	495
Washington	94,922	97,881	-3.0%	83,694	89,910	10,030	6,828	NM	6	1,195	1,138
Pacific Noncontiguous	13,250	14,216	-6.8%	9,183	10,260	3,342	3,057	426	474	299	424
Alaska	5,092	5,708	-10.8%	4,697	5,234	204	175	130	226	62	72
Hawaii	8,158	8,508	-4.1%	4,487	5,026	3,139	2,882	296	248	237	352
U.S. Total	3,392,101	3,407,155	-0.4%	1,975,759	1,965,455	1,284,138	1,310,860	9,539	9,537	122,666	121,303

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 for 2013 are preliminary. Values for 2012 are final. 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 1.7.A. Net Generation from Coal
by State, by Sector, October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	NM	88	NM	0	2	NM	85	0	0	NM	2
Connecticut	-1	42	-103.1%	0	0	-1	42	0	0	0	0
Maine	3	6	-47.7%	0	0	2	5	0	0	1	1
Massachusetts	NM	39	NM	0	0	NM	38	0	0	NM	1
New Hampshire	0	2	-80.0%	0	2	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	5,541	7,443	-25.5%	0	0	5,473	7,383	NM	1	68	59
New Jersey	122	95	28.5%	0	0	122	95	0	0	0	0
New York	201	364	-44.6%	0	0	173	338	0	0	28	26
Pennsylvania	5,217	6,983	-25.3%	0	0	5,177	6,950	NM	1	39	33
East North Central	29,042	25,553	13.7%	20,455	19,015	8,330	6,291	9	11	248	237
Illinois	7,386	6,295	17.3%	717	749	6,526	5,425	4	2	139	120
Indiana	7,378	6,930	6.5%	6,927	6,428	443	490	5	7	NM	4
Michigan	4,570	4,143	10.3%	4,537	4,099	NM	26	0	1	19	18
Ohio	6,734	5,391	24.9%	5,367	5,021	1,348	350	NM	0	18	20
Wisconsin	2,974	2,794	6.4%	2,907	2,718	0	0	NM	0	66	76
West North Central	16,992	16,893	0.6%	16,698	16,656	0	0	19	17	275	220
Iowa	2,212	2,622	-15.6%	2,021	2,465	0	0	13	12	177	144
Kansas	2,146	2,182	-1.6%	2,146	2,182	0	0	0	0	0	0
Minnesota	1,980	1,953	1.4%	1,926	1,903	0	0	0	0	54	50
Missouri	5,873	5,458	7.6%	5,863	5,450	0	0	6	5	NM	4
Nebraska	2,287	2,181	4.8%	2,255	2,166	0	0	0	0	32	15
North Dakota	2,297	2,203	4.3%	2,290	2,196	0	0	0	0	NM	6
South Dakota	197	294	-32.9%	197	294	0	0	0	0	0	0
South Atlantic	21,466	19,736	8.8%	17,027	16,044	4,246	3,495	NM	5	191	192
Delaware	150	137	10.1%	0	0	150	137	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,987	3,822	4.3%	3,844	3,688	123	114	0	0	NM	20
Georgia	2,768	3,066	-9.7%	2,730	3,028	0	0	0	0	38	39
Maryland	1,289	1,503	-14.2%	0	0	1,278	1,483	NM	2	10	18
North Carolina	3,517	3,341	5.3%	3,344	3,177	150	147	0	3	NM	14
South Carolina	1,932	1,863	3.7%	1,916	1,851	0	0	0	0	16	13
Virginia	1,480	632	134.3%	1,398	497	41	78	NM	0	41	57
West Virginia	6,343	5,372	18.1%	3,796	3,803	2,504	1,537	0	0	43	32
East South Central	13,010	13,522	-3.8%	12,650	13,335	245	76	NM	2	113	110
Alabama	4,037	3,818	5.7%	4,018	3,804	0	0	0	0	19	14
Kentucky	6,472	6,542	-1.1%	6,472	6,542	0	0	0	0	0	0
Mississippi	572	257	122.2%	327	181	245	76	0	0	0	0
Tennessee	1,928	2,905	-33.6%	1,833	2,808	0	0	NM	2	94	95
West South Central	17,155	18,466	-7.1%	9,333	9,514	7,780	8,915	0	0	42	37
Arkansas	2,240	1,765	26.9%	1,994	1,553	240	203	0	0	6	9
Louisiana	1,220	1,834	-33.5%	732	1,075	487	759	0	0	0	0
Oklahoma	2,133	2,355	-9.4%	1,914	2,122	183	205	0	0	36	28
Texas	11,563	12,512	-7.6%	4,693	4,764	6,869	7,748	0	0	0	0
Mountain	16,683	17,869	-6.6%	15,337	15,941	1,262	1,834	0	0	84	94
Arizona	3,694	3,595	2.7%	3,694	3,595	0	0	0	0	0	0
Colorado	2,586	3,046	-15.1%	2,573	3,034	NM	11	0	0	NM	1
Idaho	NM	12	NM	0	0	0	0	0	0	NM	12
Montana	1,057	1,635	-35.3%	NM	19	1,034	1,615	0	0	NM	1
Nevada	274	513	-46.5%	159	397	115	116	0	0	0	0
New Mexico	2,000	2,127	-6.0%	2,000	2,127	0	0	0	0	0	0
Utah	3,094	3,022	2.4%	3,009	2,949	NM	29	0	0	43	44
Wyoming	3,971	3,918	1.4%	3,879	3,820	NM	63	0	0	33	35
Pacific Contiguous	1,389	1,243	11.7%	401	402	955	805	0	0	33	36
California	76	98	-21.9%	0	0	48	64	0	0	29	34
Oregon	401	402	-0.3%	401	402	0	0	0	0	0	0
Washington	911	743	22.7%	0	0	907	741	0	0	4	2
Pacific Noncontiguous	175	186	-5.8%	16	16	135	145	21	22	NM	4
Alaska	54	54	0.0%	16	16	17	16	21	22	0	0
Hawaii	121	132	-8.2%	0	0	118	128	0	0	NM	4
U.S. Total	121,474	120,999	0.4%	91,919	90,924	28,443	29,028	54	57	1,059	990

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

Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. 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 1.7.B. Net Generation from Coal
by State, by Sector, Year-to-Date through October 2013 and 2012 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	4,662	3,001	55.3%	1,177	898	3,435	2,073	0	0	50	31
Connecticut	425	530	-19.7%	0	0	425	530	0	0	0	0
Maine	49	35	39.4%	0	0	27	23	0	0	22	12
Massachusetts	3,012	1,539	95.7%	0	0	2,984	1,520	0	0	28	19
New Hampshire	1,177	898	31.1%	1,177	898	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	82,180	77,858	5.6%	NM	36	81,484	77,238	14	9	642	574
New Jersey	1,727	1,653	4.5%	0	0	1,727	1,653	0	0	0	0
New York	4,116	3,680	11.8%	NM	36	3,820	3,375	0	0	256	269
Pennsylvania	76,337	72,525	5.3%	0	0	75,936	72,211	14	9	387	305
East North Central	308,872	284,746	8.5%	225,697	206,123	80,340	75,811	257	266	2,578	2,546
Illinois	72,793	66,181	10.0%	9,058	9,038	62,264	55,669	45	38	1,426	1,435
Indiana	76,786	75,965	1.1%	72,324	70,899	4,308	4,915	111	111	43	40
Michigan	46,937	43,904	6.9%	46,346	43,341	283	286	94	112	215	164
Ohio	78,840	71,754	9.9%	65,145	56,611	13,484	14,941	NM	2	207	200
Wisconsin	33,516	26,943	24.4%	32,824	26,235	0	0	NM	2	688	706
West North Central	183,998	177,120	3.9%	180,980	174,429	0	0	224	189	2,793	2,502
Iowa	28,326	29,001	-2.3%	26,401	27,203	0	0	145	135	1,780	1,663
Kansas	25,084	23,138	8.4%	25,084	23,138	0	0	0	0	0	0
Minnesota	18,950	18,198	4.1%	18,386	17,721	0	0	0	0	564	478
Missouri	63,940	60,407	5.8%	63,812	60,316	0	0	79	54	49	37
Nebraska	22,145	20,557	7.7%	21,821	20,279	0	0	0	0	324	278
North Dakota	23,116	23,452	-1.4%	23,040	23,406	0	0	0	0	76	47
South Dakota	2,437	2,366	3.0%	2,437	2,366	0	0	0	0	0	0
South Atlantic	223,649	222,777	0.4%	182,304	184,821	39,463	35,931	43	38	1,839	1,987
Delaware	1,322	1,153	14.6%	0	0	1,322	1,153	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	39,182	37,964	3.2%	37,759	36,334	1,235	1,445	0	0	188	185
Georgia	33,566	36,028	-6.8%	33,165	35,595	0	0	0	0	401	433
Maryland	12,817	13,028	-1.6%	0	0	12,685	12,878	12	8	119	142
North Carolina	39,393	42,222	-6.7%	37,722	40,546	1,445	1,426	22	22	205	228
South Carolina	20,112	23,966	-16.1%	19,984	23,801	0	26	0	0	128	139
Virginia	17,543	11,727	49.6%	16,147	10,378	929	825	NM	8	458	517
West Virginia	59,715	56,689	5.3%	37,527	38,167	21,847	18,178	0	0	340	344
East South Central	145,009	140,538	3.2%	141,388	137,211	2,411	2,180	20	17	1,189	1,130
Alabama	39,712	37,653	5.5%	39,540	37,464	0	27	0	0	172	162
Kentucky	69,559	68,509	1.5%	69,559	68,509	0	0	0	0	0	0
Mississippi	7,368	6,083	21.1%	4,957	3,930	2,411	2,153	0	0	0	0
Tennessee	28,369	28,293	0.3%	27,332	27,309	0	0	20	17	1,017	968
West South Central	194,369	180,651	7.6%	104,453	99,826	89,473	80,440	0	0	442	385
Arkansas	26,839	23,719	13.2%	23,355	20,012	3,407	3,632	0	0	77	76
Louisiana	17,814	17,277	3.1%	8,485	8,668	9,323	8,609	0	0	NM	0
Oklahoma	24,622	24,774	-0.6%	22,825	23,099	1,437	1,366	0	0	360	309
Texas	125,094	114,881	8.9%	49,788	48,048	75,306	66,833	0	0	0	0
Mountain	168,829	157,157	7.4%	153,420	143,590	14,507	12,574	0	0	902	992
Arizona	36,290	33,030	9.9%	36,290	32,845	0	0	0	0	0	185
Colorado	28,175	28,593	-1.5%	28,058	28,465	111	121	0	0	NM	7
Idaho	64	54	18.4%	0	0	0	0	0	0	64	54
Montana	12,533	10,867	15.3%	227	202	12,297	10,657	0	0	9	7
Nevada	4,422	3,139	40.9%	3,281	2,257	1,141	882	0	0	0	0
New Mexico	20,367	20,750	-1.8%	20,367	20,750	0	0	0	0	0	0
Utah	28,586	25,412	12.5%	27,723	24,666	368	341	0	0	495	405
Wyoming	38,394	35,311	8.7%	37,476	34,405	591	573	0	0	328	334
Pacific Contiguous	9,115	5,550	64.2%	2,962	1,906	5,830	3,308	0	0	323	335
California	993	1,233	-19.5%	0	0	697	926	0	0	295	308
Oregon	2,962	1,906	55.4%	2,962	1,906	0	0	0	0	0	0
Washington	5,160	2,410	114.1%	0	0	5,132	2,382	0	0	27	28
Pacific Noncontiguous	1,581	1,839	-14.0%	157	178	1,271	1,412	121	219	32	30
Alaska	441	563	-21.7%	157	178	163	166	121	219	0	0
Hawaii	1,140	1,276	-10.6%	0	0	1,108	1,246	0	0	32	30
U.S. Total	1,322,263	1,251,237	5.7%	992,578	949,018	318,214	290,968	680	739	10,791	10,512

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 for 2013 are preliminary. Values for 2012 are final. 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.A. Net Generation from Petroleum Liquids
by State, by Sector, October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	16	23	-30.9%	2	1	7	11	NM	5	2	6
Connecticut	NM	9	NM	0	0	NM	8	NM	0	NM	0
Maine	2	2	16.6%	NM	0	1	1	NM	0	1	1
Massachusetts	9	11	-23.6%	1	0	4	3	NM	4	1	4
New Hampshire	NM	0	NM	NM	0	NM	0	NM	0	NM	0
Rhode Island	3	1	223.3%	1	1	2	0	NM	0	0	0
Vermont	NM	0	NM	NM	0	0	0	NM	0	0	0
Middle Atlantic	28	42	-33.1%	5	6	16	29	NM	2	6	5
New Jersey	1	3	-67.1%	NM	0	1	3	NM	0	NM	0
New York	19	24	-21.5%	5	6	8	12	NM	2	5	5
Pennsylvania	8	15	-45.3%	NM	0	8	14	NM	0	NM	0
East North Central	38	55	-29.7%	33	45	3	8	NM	0	2	2
Illinois	6	7	-14.4%	2	2	3	4	NM	0	NM	0
Indiana	11	10	13.5%	10	9	NM	0	NM	0	1	0
Michigan	9	13	-34.7%	8	12	0	0	0	0	1	1
Ohio	11	22	-48.8%	12	18	0	3	NM	0	NM	0
Wisconsin	2	3	-44.3%	1	3	NM	0	NM	0	NM	0
West North Central	20	20	0.2%	20	20	0	0	NM	0	NM	0
Iowa	5	9	-42.4%	5	9	0	0	NM	0	NM	0
Kansas	5	2	169.5%	5	2	0	0	0	0	0	0
Minnesota	4	2	96.4%	4	2	NM	0	NM	0	NM	0
Missouri	3	3	-14.9%	3	3	0	0	NM	0	0	0
Nebraska	1	1	-7.3%	1	1	0	0	0	0	0	0
North Dakota	2	3	-48.2%	2	3	0	0	NM	0	NM	0
South Dakota	1	0	NM	1	0	NM	0	NM	0	0	0
South Atlantic	65	115	-43.3%	46	85	10	19	NM	2	8	10
Delaware	0	1	-70.5%	NM	0	0	1	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	18	52	-65.9%	15	49	NM	0	0	0	NM	2
Georgia	-3	5	-159.3%	-6	2	0	0	0	0	2	4
Maryland	7	8	-7.8%	1	0	5	5	NM	2	0	0
North Carolina	16	14	14.8%	15	12	NM	1	NM	0	NM	1
South Carolina	5	3	53.4%	3	2	0	0	NM	0	1	1
Virginia	13	21	-40.6%	7	7	3	12	0	0	2	2
West Virginia	10	11	-8.5%	10	11	0	0	0	0	0	0
East South Central	20	40	-49.9%	17	31	0	0	NM	0	3	9
Alabama	7	13	-46.3%	4	4	0	0	0	0	NM	9
Kentucky	8	9	-17.0%	8	9	0	0	0	0	0	0
Mississippi	1	1	11.6%	1	1	0	0	0	0	0	0
Tennessee	4	16	-74.9%	4	16	0	0	NM	0	NM	0
West South Central	18	11	57.2%	10	5	7	5	NM	0	1	1
Arkansas	6	3	102.4%	4	1	1	2	0	0	0	0
Louisiana	3	1	240.2%	1	0	1	0	0	0	1	1
Oklahoma	1	0	303.9%	1	0	0	0	NM	0	NM	0
Texas	7	7	2.4%	3	4	4	3	NM	0	NM	0
Mountain	-93	21	-540.9%	-95	19	2	2	NM	0	NM	0
Arizona	-109	5	NM	-109	5	0	0	NM	0	0	0
Colorado	1	2	-55.7%	1	2	0	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	1	1	15.8%	NM	0	1	1	0	0	0	0
Nevada	2	1	22.6%	2	1	0	0	0	0	0	0
New Mexico	6	4	42.7%	6	4	NM	0	0	0	NM	0
Utah	2	4	-35.2%	2	3	NM	0	0	0	NM	0
Wyoming	4	4	-0.2%	3	4	0	0	0	0	NM	0
Pacific Contiguous	NM	17	NM	3	3	NM	4	NM	10	NM	0
California	NM	15	NM	3	3	NM	3	NM	10	0	0
Oregon	0	0	102.5%	0	0	0	0	0	0	0	0
Washington	NM	1	NM	NM	0	0	1	NM	0	NM	0
Pacific Noncontiguous	685	716	-4.4%	532	573	148	126	NM	0	5	18
Alaska	62	67	-7.0%	58	64	0	0	NM	0	4	3
Hawaii	623	650	-4.1%	474	509	148	126	0	0	NM	15
U.S. Total	809	1,061	-23.7%	573	787	193	204	15	19	29	50

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

Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. 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 October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	739	369	100.5%	123	47	517	240	70	42	29	40
Connecticut	219	106	105.7%	3	4	211	99	NM	0	NM	3
Maine	173	67	157.4%	NM	0	158	49	NM	2	12	16
Massachusetts	241	156	54.3%	56	13	130	91	42	32	13	20
New Hampshire	68	20	230.8%	51	19	NM	0	NM	2	NM	0
Rhode Island	34	16	119.1%	9	9	18	0	NM	6	0	0
Vermont	NM	3	NM	3	2	0	0	NM	1	0	0
Middle Atlantic	1,222	752	62.5%	431	304	703	369	NM	19	69	59
New Jersey	94	29	223.3%	NM	4	88	23	NM	1	NM	1
New York	874	521	67.8%	427	301	367	147	NM	17	63	57
Pennsylvania	254	202	25.9%	NM	0	248	199	NM	1	NM	1
East North Central	508	507	0.2%	406	422	89	72	NM	2	11	11
Illinois	66	58	14.2%	24	20	42	37	NM	0	NM	0
Indiana	115	97	19.2%	109	91	NM	0	NM	0	6	5
Michigan	117	120	-2.5%	113	116	0	0	1	1	2	3
Ohio	185	202	-8.7%	137	168	45	32	NM	0	NM	2
Wisconsin	26	31	-16.2%	23	28	2	2	NM	0	NM	1
West North Central	239	247	-3.4%	233	238	2	6	NM	1	3	2
Iowa	64	74	-13.3%	63	72	1	1	NM	0	NM	0
Kansas	46	25	84.9%	46	25	0	0	0	0	0	0
Minnesota	17	29	-39.4%	14	22	1	4	NM	1	NM	1
Missouri	56	66	-15.4%	56	66	0	0	NM	0	0	0
Nebraska	21	21	0.4%	21	21	0	0	0	0	0	0
North Dakota	27	27	-3.3%	25	26	0	0	NM	0	NM	1
South Dakota	8	5	49.1%	8	5	NM	1	NM	0	0	0
South Atlantic	1,331	1,633	-18.5%	1,000	1,256	195	240	NM	16	112	121
Delaware	22	19	14.1%	NM	1	21	19	0	0	0	0
District of Columbia	0	9	-100.0%	0	0	0	9	0	0	0	0
Florida	439	689	-36.2%	404	644	NM	8	0	0	31	37
Georgia	59	87	-31.8%	16	47	NM	1	1	1	41	37
Maryland	133	124	6.6%	7	5	103	99	NM	13	0	7
North Carolina	175	153	14.3%	159	138	8	5	NM	0	8	10
South Carolina	90	93	-3.2%	82	85	0	1	NM	0	8	7
Virginia	293	339	-13.5%	213	219	57	97	1	1	23	23
West Virginia	119	119	0.6%	118	118	1	1	0	0	0	0
East South Central	295	320	-7.9%	252	286	1	1	NM	0	42	33
Alabama	89	90	-0.7%	50	59	1	1	0	0	38	29
Kentucky	93	89	4.4%	93	89	0	0	0	0	0	0
Mississippi	12	16	-24.2%	9	13	0	0	0	0	3	3
Tennessee	101	126	-19.6%	100	125	0	0	NM	0	NM	0
West South Central	157	141	11.2%	61	52	79	79	NM	1	17	10
Arkansas	36	25	44.8%	22	12	13	11	0	0	1	1
Louisiana	43	29	49.5%	10	8	19	13	0	0	14	8
Oklahoma	8	9	-16.1%	7	9	0	0	NM	0	NM	0
Texas	71	79	-10.1%	22	23	47	54	NM	1	NM	1
Mountain	-47	182	-126.0%	-66	159	15	17	NM	0	4	5
Arizona	-187	35	-633.6%	-187	34	0	0	NM	0	0	1
Colorado	7	8	-11.8%	7	8	0	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	11	12	-8.2%	NM	0	11	11	0	0	0	0
Nevada	15	15	-0.5%	12	11	3	5	0	0	0	0
New Mexico	41	34	18.3%	40	34	NM	0	0	0	NM	0
Utah	30	33	-8.4%	29	32	NM	1	0	0	NM	0
Wyoming	36	45	-18.6%	33	41	0	0	0	0	4	4
Pacific Contiguous	NM	143	NM	35	38	11	18	NM	74	17	12
California	NM	116	NM	28	28	3	12	NM	74	7	2
Oregon	5	5	4.9%	5	5	0	0	0	0	0	0
Washington	20	22	-7.6%	NM	5	7	6	NM	0	10	11
Pacific Noncontiguous	6,454	6,888	-6.3%	5,034	5,618	1,332	1,087	8	5	79	178
Alaska	631	855	-26.3%	591	814	0	0	6	4	33	37
Hawaii	5,823	6,032	-3.5%	4,443	4,803	1,332	1,087	2	1	46	141
U.S. Total	11,033	11,181	-1.3%	7,509	8,420	2,943	2,129	NM	161	383	472

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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 1.9.A. Net Generation from Petroleum Coke
by State, by Sector, October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
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	10	NM	0	0	0	0	0	0	NM	10
New Jersey	NM	5	NM	0	0	0	0	0	0	NM	5
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	5	NM	0	0	0	0	0	0	NM	5
East North Central	179	129	38.8%	41	0	104	105	0	0	33	24
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	52	14	274.8%	37	0	2	5	0	0	NM	9
Ohio	103	99	3.9%	0	0	102	99	0	0	NM	0
Wisconsin	24	16	51.2%	4	0	0	0	0	0	19	15
West North Central	1	1	-8.3%	0	0	0	0	1	1	0	0
Iowa	1	1	-8.3%	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	172	24	623.8%	157	0	0	0	0	0	15	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	157	0	--	157	0	0	0	0	0	0	0
Georgia	15	24	-37.0%	0	0	0	0	0	0	15	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	108	110	-1.7%	108	110	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	108	110	-1.7%	108	110	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	536	420	27.7%	452	298	0	0	0	0	84	121
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	491	324	51.7%	452	298	0	0	0	0	NM	25
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	45	96	-53.2%	0	0	0	0	0	0	45	96
Mountain	43	44	-1.6%	0	0	43	44	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	43	44	-1.6%	0	0	43	44	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	1,073	744	44.3%	759	409	157	156	1	1	157	179

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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 1.9.B. Net Generation from Petroleum Coke
by State, by Sector, Year-to-Date through October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 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	242	59	307.9%	0	0	0	0	0	0	242	59
New Jersey	NM	33	NM	0	0	0	0	0	0	NM	33
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	174	26	563.2%	0	0	0	0	0	0	174	26
East North Central	2,527	2,091	20.8%	1,205	886	999	924	0	0	322	281
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1,117	831	34.4%	1,117	831	0	0	0	0	0	0
Michigan	223	158	41.1%	39	0	57	60	0	0	127	98
Ohio	960	866	10.9%	0	0	942	864	0	0	NM	2
Wisconsin	227	236	-4.0%	49	55	0	0	0	0	178	182
West North Central	4	16	-73.8%	0	12	0	0	4	4	0	0
Iowa	4	16	-73.9%	0	12	0	0	4	4	0	0
Kansas	0	0	-100.0%	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	2,134	866	146.5%	1,951	606	0	0	0	0	183	260
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	1,951	606	222.1%	1,951	606	0	0	0	0	0	0
Georgia	183	260	-29.6%	0	0	0	0	0	0	183	260
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	1,111	1,139	-2.5%	1,111	1,139	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	1,111	1,139	-2.5%	1,111	1,139	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	5,122	3,475	47.4%	3,903	2,133	98	55	0	0	1,121	1,286
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	4,288	2,377	80.4%	3,903	2,133	0	0	0	0	385	244
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	835	1,098	-24.0%	0	0	98	55	0	0	737	1,043
Mountain	368	370	-0.6%	0	0	368	370	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	368	370	-0.6%	0	0	368	370	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	88	146	-39.5%	0	0	88	146	0	0	0	0
California	88	146	-39.5%	0	0	88	146	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	11,597	8,163	42.1%	8,170	4,777	1,553	1,495	4	4	1,869	1,887

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Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. 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 1.10.A. Net Generation from Natural Gas
by State, by Sector, October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	4,400	5,512	-20.2%	3	15	4,153	5,218	55	71	189	209
Connecticut	1,184	1,557	-24.0%	1	1	1,138	1,489	25	38	19	29
Maine	358	482	-25.8%	0	0	197	318	NM	2	159	163
Massachusetts	1,978	2,133	-7.3%	2	14	1,943	2,079	25	25	NM	15
New Hampshire	294	600	-50.9%	0	0	291	596	NM	1	NM	2
Rhode Island	586	741	-20.8%	0	0	584	737	NM	4	0	0
Vermont	0	0	146.0%	0	0	0	0	0	0	0	0
Middle Atlantic	9,510	10,728	-11.4%	773	992	8,588	9,548	57	70	92	118
New Jersey	2,072	2,194	-5.5%	NM	4	2,029	2,134	NM	15	30	41
New York	3,558	4,691	-24.2%	772	988	2,732	3,635	38	47	16	21
Pennsylvania	3,880	3,843	1.0%	0	0	3,827	3,778	NM	8	46	56
East North Central	4,529	4,314	5.0%	1,772	1,500	2,581	2,641	99	86	78	87
Illinois	240	319	-24.7%	0	1	194	272	28	34	NM	12
Indiana	762	1,048	-27.3%	606	817	127	188	NM	5	25	39
Michigan	1,001	960	4.3%	136	86	797	815	48	41	NM	18
Ohio	1,892	1,676	12.9%	774	457	1,093	1,206	NM	4	NM	9
Wisconsin	634	311	103.7%	255	140	370	160	NM	1	NM	9
West North Central	850	594	43.1%	723	448	81	112	19	13	27	20
Iowa	NM	65	NM	NM	58	NM	0	NM	1	NM	7
Kansas	146	85	71.9%	133	83	0	0	0	0	NM	2
Minnesota	356	230	54.7%	261	145	78	73	NM	5	NM	7
Missouri	232	195	18.9%	218	149	NM	38	10	8	NM	0
Nebraska	NM	12	NM	NM	7	0	0	NM	0	NM	4
North Dakota	NM	1	NM	NM	0	0	0	0	0	NM	1
South Dakota	NM	6	NM	NM	6	0	0	0	0	0	0
South Atlantic	21,260	20,719	2.6%	17,382	16,752	3,561	3,665	21	16	296	286
Delaware	493	536	-7.9%	0	1	440	501	0	0	53	34
District of Columbia	NM	5	NM	0	0	0	0	NM	5	0	0
Florida	12,415	12,444	-0.2%	11,553	11,624	743	697	NM	2	115	120
Georgia	3,598	3,276	9.8%	2,833	2,061	692	1,131	0	0	73	84
Maryland	228	239	-4.7%	0	0	211	221	NM	8	NM	10
North Carolina	2,136	1,220	75.1%	1,297	994	825	219	0	0	NM	7
South Carolina	840	1,352	-37.9%	677	1,265	154	78	NM	0	NM	9
Virginia	1,540	1,630	-5.5%	1,020	803	490	807	0	0	30	21
West Virginia	5	17	-70.0%	0	4	4	12	0	0	NM	1
East South Central	6,577	6,602	-0.4%	3,464	3,990	2,909	2,377	NM	12	192	223
Alabama	3,730	3,408	9.5%	1,151	1,171	2,508	2,153	0	0	71	83
Kentucky	74	81	-8.5%	57	71	1	3	0	0	NM	7
Mississippi	2,382	2,539	-6.2%	1,878	2,186	400	221	NM	1	103	131
Tennessee	391	574	-31.9%	378	561	0	0	NM	10	2	3
West South Central	22,007	22,529	-2.3%	5,491	5,929	11,403	11,642	66	50	5,046	4,908
Arkansas	750	1,245	-39.8%	137	87	592	1,138	NM	0	21	20
Louisiana	3,994	4,558	-12.4%	1,349	1,672	678	735	NM	4	1,964	2,147
Oklahoma	1,664	2,075	-19.8%	1,371	1,614	281	450	NM	0	NM	12
Texas	15,599	14,651	6.5%	2,634	2,556	9,853	9,320	60	46	3,052	2,729
Mountain	6,017	6,598	-8.8%	3,275	3,896	2,621	2,591	23	23	98	89
Arizona	1,888	2,600	-27.4%	475	1,191	1,404	1,399	9	10	0	0
Colorado	659	464	41.9%	404	194	253	269	0	0	NM	1
Idaho	218	212	2.8%	23	27	192	183	0	0	NM	2
Montana	NM	36	NM	NM	34	NM	2	0	0	0	0
Nevada	1,969	2,214	-11.1%	1,457	1,678	486	508	5	5	21	23
New Mexico	629	658	-4.4%	408	489	215	163	6	6	0	0
Utah	576	372	54.8%	470	278	67	65	NM	2	36	26
Wyoming	41	41	1.5%	NM	3	NM	1	0	0	36	37
Pacific Contiguous	12,661	13,823	-8.4%	4,407	4,462	7,076	8,125	147	172	1,032	1,064
California	10,080	11,409	-11.6%	2,828	3,160	6,095	7,037	143	165	1,015	1,046
Oregon	1,311	1,522	-13.9%	449	588	848	917	NM	6	NM	12
Washington	1,271	892	42.5%	1,130	714	133	171	NM	1	7	6
Pacific Noncontiguous	239	307	-22.3%	235	304	0	0	NM	1	NM	3
Alaska	239	307	-22.3%	235	304	0	0	NM	1	NM	3
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	88,049	91,725	-4.0%	37,524	38,288	42,974	45,919	500	513	7,052	7,006

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 for 2013 are preliminary. Values for 2012 are final. 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 1.10.B. Net Generation from Natural Gas
by State, by Sector, Year-to-Date through October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	45,193	54,219	-16.6%	221	309	42,231	51,083	744	747	1,998	2,078
Connecticut	13,214	13,541	-2.4%	6	5	12,640	12,945	306	323	262	268
Maine	3,958	5,274	-24.9%	0	0	2,342	3,610	NM	23	1,595	1,641
Massachusetts	19,065	21,891	-12.9%	187	247	18,393	21,152	367	348	117	143
New Hampshire	3,439	6,266	-45.1%	24	55	3,378	6,170	NM	14	NM	26
Rhode Island	5,514	7,246	-23.9%	0	0	5,478	7,206	36	39	0	0
Vermont	2	2	26.8%	2	2	0	0	0	0	0	0
Middle Atlantic	109,108	120,889	-9.7%	10,811	11,398	96,395	107,467	748	756	1,155	1,268
New Jersey	22,988	25,435	-9.6%	NM	27	22,449	24,824	156	173	362	411
New York	45,002	50,486	-10.9%	10,787	11,368	33,513	38,420	503	488	198	210
Pennsylvania	41,118	44,967	-8.6%	NM	2	40,433	44,223	89	95	595	647
East North Central	49,083	73,011	-32.8%	18,102	26,075	29,057	44,810	998	1,123	925	1,002
Illinois	5,978	10,409	-42.6%	561	1,437	4,811	8,317	353	371	253	284
Indiana	7,517	12,796	-41.3%	5,302	10,211	1,846	2,174	44	45	325	365
Michigan	10,976	20,160	-45.6%	2,346	4,159	8,087	15,456	360	389	182	155
Ohio	17,465	19,435	-10.1%	6,178	5,029	10,985	14,045	224	272	78	88
Wisconsin	7,146	10,212	-30.0%	3,715	5,238	3,328	4,818	NM	45	87	111
West North Central	13,412	17,233	-22.2%	11,235	14,274	1,829	2,560	138	192	210	207
Iowa	1,312	1,711	-23.3%	1,288	1,652	NM	0	NM	10	NM	49
Kansas	1,916	2,744	-30.2%	1,843	2,682	0	0	0	0	73	62
Minnesota	5,350	6,098	-12.3%	4,317	4,922	877	1,018	71	90	86	68
Missouri	3,929	5,711	-31.2%	2,914	4,076	951	1,543	62	91	NM	1
Nebraska	463	753	-38.6%	449	745	0	0	NM	1	NM	8
North Dakota	NM	20	NM	NM	0	0	0	0	0	NM	20
South Dakota	423	197	114.7%	423	197	0	0	0	0	0	0
South Atlantic	212,227	225,508	-5.9%	170,335	174,678	38,702	47,923	227	239	2,964	2,667
Delaware	4,981	6,004	-17.0%	NM	8	4,288	5,551	0	0	687	444
District of Columbia	50	53	-5.9%	0	0	0	0	50	53	0	0
Florida	116,702	128,628	-9.3%	107,815	117,224	7,702	10,213	27	24	1,158	1,167
Georgia	35,017	35,852	-2.3%	26,298	20,800	8,018	14,429	0	0	700	623
Maryland	2,397	4,506	-46.8%	0	0	2,197	4,247	146	157	55	102
North Carolina	23,081	16,627	38.8%	14,973	13,782	8,010	2,782	2	5	96	59
South Carolina	10,703	11,982	-10.7%	9,279	10,246	1,350	1,660	NM	0	73	77
Virginia	19,034	21,630	-12.0%	11,926	12,587	6,924	8,861	0	0	183	181
West Virginia	262	225	16.5%	37	32	214	180	0	0	NM	14
East South Central	71,321	90,867	-21.5%	39,053	46,241	29,947	42,154	143	138	2,178	2,334
Alabama	38,910	47,622	-18.3%	11,617	12,115	26,501	34,653	0	0	791	855
Kentucky	1,322	2,779	-52.4%	937	2,248	196	315	0	0	189	217
Mississippi	26,881	33,696	-20.2%	22,449	25,263	3,249	7,187	NM	19	1,166	1,227
Tennessee	4,208	6,770	-37.8%	4,050	6,615	0	0	126	119	32	36
West South Central	250,972	287,232	-12.6%	67,345	79,199	131,489	156,425	607	634	51,532	50,974
Arkansas	10,769	15,312	-29.7%	2,762	2,327	7,793	12,801	NM	1	213	182
Louisiana	43,369	50,230	-13.7%	15,815	19,557	7,332	10,800	36	39	20,186	19,835
Oklahoma	25,834	35,371	-27.0%	18,662	24,057	7,071	11,212	NM	10	87	92
Texas	171,001	186,320	-8.2%	30,106	33,258	109,293	121,612	557	585	31,045	30,865
Mountain	69,159	74,926	-7.7%	40,305	44,018	27,651	29,562	231	261	971	1,085
Arizona	23,105	28,249	-18.2%	9,073	12,865	13,947	15,272	86	106	0	7
Colorado	8,953	9,118	-1.8%	4,934	5,091	4,002	4,009	6	4	11	13
Idaho	2,637	1,662	58.7%	1,232	519	1,368	1,104	0	0	36	39
Montana	375	410	-8.7%	349	389	NM	22	0	0	0	0
Nevada	20,843	21,775	-4.3%	15,655	15,861	4,943	5,641	49	51	195	222
New Mexico	7,566	7,660	-1.2%	4,751	4,703	2,751	2,889	60	68	NM	0
Utah	5,250	5,630	-6.8%	4,272	4,565	597	613	30	32	350	420
Wyoming	431	422	2.1%	NM	25	NM	13	0	0	375	384
Pacific Contiguous	115,583	114,865	0.6%	40,260	36,836	63,769	66,290	1,418	1,540	10,135	10,200
California	95,919	100,488	-4.5%	28,990	29,697	55,552	59,247	1,386	1,496	9,991	10,047
Oregon	11,143	9,643	15.6%	3,948	3,397	7,080	6,102	NM	38	84	106
Washington	8,522	4,735	80.0%	7,322	3,742	1,137	941	NM	6	61	47
Pacific Noncontiguous	2,720	2,985	-8.9%	2,692	2,952	0	0	NM	2	NM	31
Alaska	2,720	2,985	-8.9%	2,692	2,952	0	0	NM	2	NM	31
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	938,779	1,061,736	-11.6%	400,358	435,981	461,070	548,275	5,257	5,632	72,094	71,848

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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, October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
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	62	51	21.4%	0	0	0	0	0	0	62	51
New Jersey	NM	12	NM	0	0	0	0	0	0	NM	12
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	52	39	32.9%	0	0	0	0	0	0	52	39
East North Central	289	295	-2.1%	8	0	50	50	0	0	231	245
Illinois	NM	18	NM	0	0	0	2	0	0	NM	15
Indiana	175	179	-2.3%	0	0	0	0	0	0	175	179
Michigan	39	28	39.5%	8	0	31	28	0	0	0	0
Ohio	57	70	-19.5%	0	0	NM	19	0	0	38	51
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	1	NM	0	0	0	0	0	0	NM	1
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	1	NM	0	0	0	0	0	0	NM	1
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	10	16	-39.4%	0	0	0	0	0	0	10	16
Delaware	7	13	-46.7%	0	0	0	0	0	0	7	13
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	17.0%	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	2	3	-11.6%	0	0	0	0	0	0	2	3
East South Central	24	6	338.3%	0	0	0	0	0	0	24	6
Alabama	23	5	415.9%	0	0	0	0	0	0	23	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	-0.6%	0	0	0	0	0	0	1	1
West South Central	403	343	17.5%	0	0	198	142	0	0	205	201
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	182	134	35.6%	0	0	55	22	0	0	127	112
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	221	209	5.8%	0	0	143	120	0	0	78	89
Mountain	19	21	-9.5%	0	0	1	1	0	0	19	20
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	32.7%	0	0	0	0	0	0	0	0
Nevada	1	1	-25.0%	0	0	1	1	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	0	NM	0	0	0	0	0	0	NM	0
Wyoming	18	20	-9.5%	0	0	0	0	0	0	18	20
Pacific Contiguous	152	158	-3.8%	0	0	39	33	0	0	114	125
California	114	125	-9.3%	0	0	0	0	0	0	114	125
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	39	33	16.9%	0	0	39	33	0	0	0	0
Pacific Noncontiguous	NM	4	NM	0	0	0	0	0	0	NM	4
Alaska	NM	0	NM	0	0	0	0	0	0	NM	0
Hawaii	NM	3	NM	0	0	0	0	0	0	NM	3
U.S. Total	966	895	8.0%	8	0	287	225	0	0	671	670

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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 October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 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	707	615	15.0%	0	0	0	0	0	0	707	615
New Jersey	145	116	24.8%	0	0	0	0	0	0	145	116
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	562	498	12.8%	0	0	0	0	0	0	562	498
East North Central	3,384	3,400	-0.5%	49	0	565	577	0	0	2,770	2,823
Illinois	275	240	14.7%	0	0	17	7	0	0	258	233
Indiana	1,975	2,088	-5.4%	0	0	0	0	0	0	1,975	2,088
Michigan	328	277	18.6%	49	0	279	277	0	0	0	0
Ohio	806	795	1.3%	0	0	269	293	0	0	537	502
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	35	33	8.1%	0	0	0	0	0	0	35	33
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	35	33	8.1%	0	0	0	0	0	0	35	33
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	152	373	-59.1%	0	0	0	0	0	0	152	373
Delaware	125	229	-45.3%	0	0	0	0	0	0	125	229
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4	6	-31.4%	0	0	0	0	0	0	4	6
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	112	-100.0%	0	0	0	0	0	0	0	112
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	23	26	-10.9%	0	0	0	0	0	0	23	26
East South Central	104	182	-42.7%	0	0	0	0	0	0	104	182
Alabama	93	170	-45.2%	0	0	0	0	0	0	93	170
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	11	11	-5.0%	0	0	0	0	0	0	11	11
West South Central	3,865	3,520	9.8%	0	0	1,733	1,595	0	0	2,132	1,925
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,763	963	83.2%	0	0	509	223	0	0	1,254	739
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	2,102	2,557	-17.8%	0	0	1,224	1,372	0	0	878	1,185
Mountain	232	240	-3.3%	0	0	5	6	0	0	227	234
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	21.6%	0	0	0	0	0	0	0	0
Nevada	5	6	-17.6%	0	0	5	6	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	3	NM	0	0	0	0	0	0	NM	3
Wyoming	223	230	-3.3%	0	0	0	0	0	0	223	230
Pacific Contiguous	1,638	1,656	-1.0%	0	0	334	341	0	0	1,304	1,314
California	1,304	1,314	-0.8%	0	0	0	0	0	0	1,304	1,314
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	334	341	-2.0%	0	0	334	341	0	0	0	0
Pacific Noncontiguous	41	42	-4.2%	0	0	0	0	0	0	41	42
Alaska	NM	2	NM	0	0	0	0	0	0	NM	2
Hawaii	39	40	-3.9%	0	0	0	0	0	0	39	40
U.S. Total	10,159	10,059	1.0%	49	0	2,638	2,520	0	0	7,472	7,540

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 for 2013 are preliminary. Values for 2012 are final. 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 1.12.A. Net Generation from Nuclear Energy
by State, by Sector, October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	3,321	1,976	68.1%	0	0	3,321	1,976	0	0	0	0
Connecticut	1,552	1,016	52.8%	0	0	1,552	1,016	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	387	505	-23.4%	0	0	387	505	0	0	0	0
New Hampshire	927	17	NM	0	0	927	17	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	455	438	3.9%	0	0	455	438	0	0	0	0
Middle Atlantic	12,239	11,015	11.1%	0	0	12,239	11,015	0	0	0	0
New Jersey	2,372	2,365	0.3%	0	0	2,372	2,365	0	0	0	0
New York	3,992	3,342	19.4%	0	0	3,992	3,342	0	0	0	0
Pennsylvania	5,875	5,308	10.7%	0	0	5,875	5,308	0	0	0	0
East North Central	12,582	13,545	-7.1%	1,584	2,113	10,998	11,432	0	0	0	0
Illinois	7,893	7,923	-0.4%	0	0	7,893	7,923	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,178	2,712	-19.7%	1,584	2,113	594	599	0	0	0	0
Ohio	1,616	1,605	0.7%	0	0	1,616	1,605	0	0	0	0
Wisconsin	895	1,304	-31.4%	0	0	895	1,304	0	0	0	0
West North Central	3,366	3,193	5.4%	2,916	3,136	449	57	0	0	0	0
Iowa	449	57	687.5%	0	0	449	57	0	0	0	0
Kansas	582	900	-35.3%	582	900	0	0	0	0	0	0
Minnesota	835	1,104	-24.3%	835	1,104	0	0	0	0	0	0
Missouri	912	912	0.0%	912	912	0	0	0	0	0	0
Nebraska	586	220	166.7%	586	220	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	15,089	15,050	0.3%	13,783	13,749	1,307	1,302	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	1,935	1,513	27.9%	1,935	1,513	0	0	0	0	0	0
Georgia	2,594	2,514	3.2%	2,594	2,514	0	0	0	0	0	0
Maryland	1,307	1,302	0.4%	0	0	1,307	1,302	0	0	0	0
North Carolina	3,829	2,961	29.3%	3,829	2,961	0	0	0	0	0	0
South Carolina	3,271	4,381	-25.3%	3,271	4,381	0	0	0	0	0	0
Virginia	2,153	2,380	-9.5%	2,153	2,380	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	5,879	5,784	1.6%	5,879	5,784	0	0	0	0	0	0
Alabama	3,218	3,467	-7.2%	3,218	3,467	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	697	1,078	-35.3%	697	1,078	0	0	0	0	0	0
Tennessee	1,964	1,239	58.5%	1,964	1,239	0	0	0	0	0	0
West South Central	6,195	4,966	24.7%	2,930	2,292	3,265	2,674	0	0	0	0
Arkansas	1,351	1,128	19.8%	1,351	1,128	0	0	0	0	0	0
Louisiana	1,579	1,164	35.6%	1,579	1,164	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,265	2,674	22.1%	0	0	3,265	2,674	0	0	0	0
Mountain	2,095	1,861	12.6%	2,095	1,861	0	0	0	0	0	0
Arizona	2,095	1,861	12.6%	2,095	1,861	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	2,418	2,354	2.7%	2,418	2,354	0	0	0	0	0	0
California	1,581	1,521	4.0%	1,581	1,521	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	837	833	0.4%	837	833	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	63,184	59,743	5.8%	31,605	31,289	31,578	28,455	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 for 2013 are preliminary. Values for 2012 are final. 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 1.12.B. Net Generation from Nuclear Energy
by State, by Sector, Year-to-Date through October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	30,515	29,843	2.2%	0	0	30,515	29,843	0	0	0	0
Connecticut	14,079	14,485	-2.8%	0	0	14,079	14,485	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	3,403	4,869	-30.1%	0	0	3,403	4,869	0	0	0	0
New Hampshire	9,099	6,385	42.5%	0	0	9,099	6,385	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	3,934	4,105	-4.2%	0	0	3,934	4,105	0	0	0	0
Middle Atlantic	130,052	124,583	4.4%	0	0	130,052	124,583	0	0	0	0
New Jersey	27,996	28,283	-1.0%	0	0	27,996	28,283	0	0	0	0
New York	37,162	34,145	8.8%	0	0	37,162	34,145	0	0	0	0
Pennsylvania	64,895	62,155	4.4%	0	0	64,895	62,155	0	0	0	0
East North Central	126,715	129,727	-2.3%	18,435	19,611	108,280	110,116	0	0	0	0
Illinois	80,560	79,957	0.8%	0	0	80,560	79,957	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	23,284	23,667	-1.6%	18,435	19,611	4,849	4,056	0	0	0	0
Ohio	12,933	13,949	-7.3%	0	0	12,933	13,949	0	0	0	0
Wisconsin	9,938	12,153	-18.2%	0	0	9,938	12,153	0	0	0	0
West North Central	31,046	34,962	-11.2%	26,622	30,982	4,424	3,980	0	0	0	0
Iowa	4,424	3,980	11.1%	0	0	4,424	3,980	0	0	0	0
Kansas	5,389	6,518	-17.3%	5,389	6,518	0	0	0	0	0	0
Minnesota	9,061	10,307	-12.1%	9,061	10,307	0	0	0	0	0	0
Missouri	6,551	8,908	-26.5%	6,551	8,908	0	0	0	0	0	0
Nebraska	5,621	5,248	7.1%	5,621	5,248	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	163,974	154,205	6.3%	152,317	143,119	11,656	11,086	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	21,739	14,453	50.4%	21,739	14,453	0	0	0	0	0	0
Georgia	26,915	27,856	-3.4%	26,915	27,856	0	0	0	0	0	0
Maryland	11,656	11,086	5.1%	0	0	11,656	11,086	0	0	0	0
North Carolina	33,553	32,944	1.8%	33,553	32,944	0	0	0	0	0	0
South Carolina	45,769	43,832	4.4%	45,769	43,832	0	0	0	0	0	0
Virginia	24,341	24,033	1.3%	24,341	24,033	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	66,458	61,743	7.6%	66,458	61,743	0	0	0	0	0	0
Alabama	33,477	34,376	-2.6%	33,477	34,376	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	8,961	5,629	59.2%	8,961	5,629	0	0	0	0	0	0
Tennessee	24,020	21,738	10.5%	24,020	21,738	0	0	0	0	0	0
West South Central	55,624	59,315	-6.2%	23,567	27,017	32,057	32,298	0	0	0	0
Arkansas	9,766	12,762	-23.5%	9,766	12,762	0	0	0	0	0	0
Louisiana	13,801	14,255	-3.2%	13,801	14,255	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	32,057	32,298	-0.7%	0	0	32,057	32,298	0	0	0	0
Mountain	26,917	26,526	1.5%	26,917	26,526	0	0	0	0	0	0
Arizona	26,917	26,526	1.5%	26,917	26,526	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	21,447	23,130	-7.3%	21,447	23,130	0	0	0	0	0	0
California	14,639	15,442	-5.2%	14,639	15,442	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	6,809	7,688	-11.4%	6,809	7,688	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	652,747	644,035	1.4%	335,763	332,129	316,984	311,906	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 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State, by Sector, October 2013 and 2012 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	547	630	-13.2%	68	83	444	508	NM	0	35	39
Connecticut	25	26	-2.8%	NM	2	NM	24	0	0	0	0
Maine	285	324	-12.0%	0	0	253	287	0	0	32	36
Massachusetts	66	68	-2.4%	NM	17	46	50	NM	0	NM	0
New Hampshire	81	103	-21.4%	16	27	64	76	0	0	NM	0
Rhode Island	NM	0	NM	0	0	NM	0	0	0	0	0
Vermont	89	109	-18.4%	29	36	58	71	0	0	NM	2
Middle Atlantic	2,152	1,792	20.1%	1,760	1,440	387	348	NM	0	NM	4
New Jersey	NM	1	NM	0	0	NM	1	0	0	0	0
New York	2,005	1,668	20.2%	1,707	1,389	293	275	NM	0	NM	4
Pennsylvania	146	124	17.6%	53	52	93	72	0	0	0	0
East North Central	257	306	-16.2%	234	279	NM	14	NM	0	NM	13
Illinois	NM	8	NM	NM	5	NM	3	NM	0	0	0
Indiana	42	44	-5.5%	42	44	0	0	0	0	0	0
Michigan	70	70	0.2%	64	64	NM	5	0	0	NM	2
Ohio	47	41	15.8%	47	41	0	0	0	0	0	0
Wisconsin	88	143	-38.4%	78	125	NM	7	NM	0	NM	11
West North Central	647	904	-28.5%	633	897	NM	5	0	0	NM	2
Iowa	42	61	-31.9%	41	61	NM	0	0	0	0	0
Kansas	NM	1	NM	0	0	NM	1	0	0	0	0
Minnesota	NM	15	NM	NM	9	NM	4	0	0	NM	2
Missouri	38	12	221.9%	38	12	0	0	0	0	0	0
Nebraska	72	100	-27.8%	72	100	0	0	0	0	0	0
North Dakota	117	180	-35.4%	117	180	0	0	0	0	0	0
South Dakota	353	536	-34.1%	353	536	0	0	0	0	0	0
South Atlantic	997	898	11.1%	769	710	128	120	NM	1	99	67
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	11	NM	NM	11	0	0	0	0	0	0
Georgia	209	211	-0.6%	207	208	NM	1	0	0	NM	2
Maryland	84	87	-3.1%	0	0	84	87	0	0	0	0
North Carolina	383	352	9.0%	314	308	NM	NM	NM	1	66	40
South Carolina	140	112	25.0%	135	107	NM	4	0	0	0	0
Virginia	68	55	23.5%	62	51	NM	3	0	0	NM	1
West Virginia	101	71	41.9%	39	24	31	23	0	0	30	24
East South Central	1,626	1,525	6.7%	1,552	1,457	NM	1	0	0	74	67
Alabama	624	541	15.3%	624	541	0	0	0	0	0	0
Kentucky	185	200	-7.6%	184	200	NM	1	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	818	784	4.4%	744	716	0	0	0	0	74	67
West South Central	301	202	48.9%	260	176	40	26	0	0	0	0
Arkansas	145	62	133.1%	141	61	NM	1	0	0	0	0
Louisiana	34	19	75.9%	0	0	34	19	0	0	0	0
Oklahoma	69	32	115.3%	69	32	0	0	0	0	0	0
Texas	53	88	-40.3%	50	83	NM	5	0	0	0	0
Mountain	1,888	1,645	14.8%	1,613	1,394	276	252	0	0	0	0
Arizona	406	352	15.4%	406	352	0	0	0	0	0	0
Colorado	64	183	-64.8%	55	175	NM	8	0	0	0	0
Idaho	531	448	18.4%	499	413	NM	35	0	0	0	0
Montana	598	495	21.0%	369	288	230	206	0	0	0	0
Nevada	206	102	101.6%	203	100	NM	2	0	0	0	0
New Mexico	NM	10	NM	NM	10	0	0	0	0	0	0
Utah	45	35	28.1%	44	34	NM	0	0	0	0	0
Wyoming	25	20	22.2%	24	20	NM	0	0	0	0	0
Pacific Contiguous	8,739	8,401	4.0%	8,641	8,281	98	120	NM	0	NM	0
California	1,469	1,890	-22.3%	1,404	1,800	65	90	NM	0	0	0
Oregon	2,334	2,117	10.3%	2,316	2,098	NM	18	0	0	0	0
Washington	4,936	4,395	12.3%	4,922	4,383	NM	12	0	0	NM	0
Pacific Noncontiguous	152	196	-22.4%	148	195	1	0	0	0	NM	1
Alaska	147	194	-24.5%	147	194	0	0	0	0	0	0
Hawaii	NM	2	NM	NM	0	1	0	0	0	NM	1
U.S. Total	17,307	16,501	4.9%	15,678	14,911	1,399	1,395	NM	2	228	192

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 for 2013 are preliminary. Values for 2012 are final. 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 October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	7,097	6,034	17.6%	997	775	5,668	4,899	NM	4	426	355
Connecticut	343	257	33.3%	NM	22	314	235	0	0	0	0
Maine	3,424	3,065	11.7%	0	0	3,032	2,732	0	0	392	333
Massachusetts	959	740	29.6%	260	186	688	546	NM	4	NM	3
New Hampshire	1,235	1,079	14.5%	316	272	912	807	0	0	NM	0
Rhode Island	NM	4	NM	0	0	NM	4	0	0	0	0
Vermont	1,132	889	27.3%	392	296	717	575	0	0	NM	19
Middle Atlantic	22,766	22,443	1.4%	17,586	18,211	5,117	4,178	NM	3	59	51
New Jersey	NM	9	NM	0	0	NM	9	0	0	0	0
New York	20,584	20,639	-0.3%	16,649	17,388	3,872	3,198	NM	3	59	51
Pennsylvania	2,156	1,794	20.2%	936	823	1,220	971	0	0	0	0
East North Central	2,914	3,090	-5.7%	2,617	2,791	188	176	NM	3	105	119
Illinois	118	94	25.7%	50	41	66	51	NM	2	0	0
Indiana	365	362	0.9%	365	362	0	0	0	0	0	0
Michigan	893	1,032	-13.5%	804	943	69	66	0	0	NM	22
Ohio	447	337	32.5%	447	337	0	0	0	0	0	0
Wisconsin	1,091	1,265	-13.8%	952	1,108	52	59	NM	2	86	97
West North Central	8,071	10,384	-22.3%	7,878	10,160	130	154	0	0	63	71
Iowa	568	673	-15.6%	564	668	NM	5	0	0	0	0
Kansas	NM	9	NM	0	0	NM	9	0	0	0	0
Minnesota	330	531	-37.9%	156	321	112	140	0	0	63	71
Missouri	1,102	681	61.7%	1,102	681	0	0	0	0	0	0
Nebraska	934	1,105	-15.4%	934	1,105	0	0	0	0	0	0
North Dakota	1,639	2,133	-23.2%	1,639	2,133	0	0	0	0	0	0
South Dakota	3,483	5,251	-33.7%	3,483	5,251	0	0	0	0	0	0
South Atlantic	14,760	9,878	49.4%	11,593	7,304	1,855	1,767	NM	10	1,298	797
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	166	127	30.6%	166	127	0	0	0	0	0	0
Georgia	2,858	1,873	52.6%	2,827	1,852	NM	5	0	0	NM	16
Maryland	1,257	1,328	-5.3%	0	0	1,257	1,328	0	0	0	0
North Carolina	5,458	3,189	71.2%	4,719	2,866	NM	25	12	10	686	288
South Carolina	2,341	1,232	90.0%	2,280	1,186	59	46	NM	0	0	0
Virginia	1,228	938	31.0%	1,151	871	65	56	0	0	NM	11
West Virginia	1,452	1,192	21.8%	451	402	422	308	0	0	579	482
East South Central	23,233	14,828	56.7%	22,387	14,310	NM	7	0	0	838	511
Alabama	10,587	6,099	73.6%	10,587	6,099	0	0	0	0	0	0
Kentucky	2,817	1,956	44.0%	2,809	1,949	NM	7	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	9,828	6,773	45.1%	8,990	6,262	0	0	0	0	838	511
West South Central	6,084	4,382	38.8%	5,065	3,684	1,019	699	0	0	0	0
Arkansas	2,313	2,088	10.7%	2,265	2,048	48	41	0	0	0	0
Louisiana	936	625	49.8%	0	0	936	625	0	0	0	0
Oklahoma	1,839	1,123	63.8%	1,839	1,123	0	0	0	0	0	0
Texas	996	547	82.2%	960	513	NM	33	0	0	0	0
Mountain	26,530	30,182	-12.1%	22,949	26,217	3,581	3,965	0	0	0	0
Arizona	5,180	5,762	-10.1%	5,180	5,762	0	0	0	0	0	0
Colorado	1,117	1,395	-19.9%	1,002	1,332	115	63	0	0	0	0
Idaho	8,025	9,886	-18.8%	7,419	9,005	606	882	0	0	0	0
Montana	8,460	9,333	-9.4%	5,659	6,366	2,802	2,968	0	0	0	0
Nevada	2,378	2,122	12.1%	2,333	2,085	NM	36	0	0	0	0
New Mexico	160	192	-16.6%	160	192	0	0	0	0	0	0
Utah	547	646	-15.2%	541	639	NM	7	0	0	0	0
Wyoming	661	846	-21.8%	654	836	NM	10	0	0	0	0
Pacific Contiguous	117,365	131,932	-11.0%	115,881	130,324	1,479	1,603	NM	2	NM	1
California	22,476	23,349	-3.7%	21,414	22,211	1,058	1,135	NM	2	0	0
Oregon	28,190	33,017	-14.6%	27,969	32,768	221	249	0	0	0	0
Washington	66,699	75,566	-11.7%	66,498	75,345	200	220	0	0	NM	1
Pacific Noncontiguous	1,263	1,372	-7.9%	1,206	1,299	14	23	0	0	NM	50
Alaska	1,185	1,274	-7.0%	1,185	1,274	0	0	0	0	0	0
Hawaii	78	98	-19.7%	NM	25	14	23	0	0	NM	50
U.S. Total	230,082	234,524	-1.9%	208,158	215,075	19,059	17,471	32	23	2,833	1,955

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 for 2013 are preliminary. Values for 2012 are final. 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.A. Net Generation from Renewable Sources Excluding Hydroelectric
by State, by Sector, October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	781	725	7.8%	73	44	507	491	13	12	188	178
Connecticut	54	51	5.5%	0	0	54	51	0	0	0	0
Maine	367	381	-3.8%	0	0	198	236	10	8	159	137
Massachusetts	156	153	1.8%	6	7	120	105	NM	1	29	41
New Hampshire	133	114	16.7%	25	32	105	79	NM	3	0	0
Rhode Island	8	9	-4.5%	0	0	8	9	0	0	0	0
Vermont	63	17	280.4%	42	6	21	11	NM	0	0	0
Middle Atlantic	1,089	963	13.1%	6	3	966	849	54	42	63	70
New Jersey	138	99	38.9%	6	3	109	81	22	15	NM	0
New York	513	456	12.7%	0	0	471	416	22	19	21	21
Pennsylvania	438	408	7.3%	0	0	386	351	10	8	42	49
East North Central	1,965	2,007	-2.1%	200	171	1,601	1,676	17	27	147	133
Illinois	804	824	-2.4%	NM	1	803	822	NM	0	0	0
Indiana	324	360	-10.0%	23	28	298	327	NM	2	NM	3
Michigan	417	355	17.5%	74	26	263	252	13	23	66	53
Ohio	157	181	-13.3%	NM	2	125	151	NM	0	28	28
Wisconsin	263	287	-8.4%	98	114	112	123	NM	1	51	49
West North Central	4,239	3,887	9.1%	1,256	1,194	2,935	2,637	7	8	42	48
Iowa	1,367	1,376	-0.7%	740	726	621	648	NM	2	4	0
Kansas	997	466	114.0%	97	40	900	426	0	0	0	0
Minnesota	843	953	-11.5%	182	211	620	691	NM	4	38	47
Missouri	106	119	-11.0%	NM	2	103	117	0	0	NM	0
Nebraska	174	119	46.0%	23	22	150	95	NM	1	0	0
North Dakota	496	559	-11.2%	153	131	343	427	0	0	NM	0
South Dakota	256	295	-13.1%	57	62	199	233	0	0	0	0
South Atlantic	1,515	1,421	6.7%	148	61	539	548	34	21	795	791
Delaware	11	8	36.7%	NM	0	10	8	NM	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	359	384	-6.5%	24	21	168	173	NM	3	164	188
Georgia	315	280	12.5%	0	0	40	19	NM	3	271	258
Maryland	74	74	0.6%	NM	0	58	59	NM	3	11	12
North Carolina	257	246	4.5%	NM	0	146	132	4	1	106	112
South Carolina	171	152	12.2%	28	29	NM	4	0	0	141	119
Virginia	270	178	51.7%	93	10	55	55	20	10	101	102
West Virginia	59	99	-40.4%	0	0	59	99	0	0	0	0
East South Central	468	419	11.6%	8	9	21	26	NM	NM	439	384
Alabama	241	185	29.7%	NM	0	13	13	0	0	228	172
Kentucky	21	31	-30.7%	8	9	0	0	0	0	14	22
Mississippi	112	127	-11.8%	0	0	0	1	0	0	112	126
Tennessee	94	76	24.1%	0	0	8	12	NM	NM	85	63
West South Central	4,740	4,087	16.0%	189	177	4,101	3,450	NM	4	446	456
Arkansas	124	133	-6.7%	0	0	8	4	NM	0	116	128
Louisiana	223	232	-3.5%	0	0	5	7	0	0	219	224
Oklahoma	1,152	828	39.0%	164	151	959	648	0	0	29	29
Texas	3,241	2,894	12.0%	25	26	3,130	2,791	NM	3	83	74
Mountain	2,398	2,009	19.3%	247	256	2,102	1,711	7	7	41	35
Arizona	299	182	64.3%	22	22	276	159	NM	1	0	0
Colorado	710	503	41.1%	7	13	700	488	NM	2	NM	0
Idaho	249	214	16.2%	8	13	200	167	0	0	41	35
Montana	127	121	5.2%	9	9	117	112	0	0	0	0
Nevada	332	287	15.7%	0	0	329	283	NM	4	NM	0
New Mexico	237	229	3.5%	7	4	229	224	NM	0	0	0
Utah	80	74	6.8%	23	23	57	51	0	0	0	0
Wyoming	364	399	-8.7%	170	172	194	227	0	0	0	0
Pacific Contiguous	3,798	3,633	4.5%	444	573	3,036	2,746	101	90	217	224
California	2,853	2,484	14.9%	171	179	2,515	2,143	99	88	68	73
Oregon	435	484	-10.1%	68	75	328	359	NM	2	37	48
Washington	510	666	-23.5%	205	319	193	244	0	0	112	103
Pacific Noncontiguous	105	73	42.9%	10	1	69	44	17	13	9	15
Alaska	NM	6	NM	NM	1	NM	NM	0	0	NM	0
Hawaii	94	68	39.3%	3	0	65	40	17	13	9	15
U.S. Total	21,099	19,225	9.7%	2,579	2,491	15,876	14,180	255	222	2,388	2,332

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 for 2013 are preliminary. Values for 2012 are final. 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 October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	7,884	6,975	13.0%	708	508	5,156	4,644	134	112	1,887	1,711
Connecticut	556	560	-0.7%	0	0	556	560	0	0	0	0
Maine	3,671	3,329	10.3%	0	0	2,128	2,015	93	76	1,450	1,238
Massachusetts	1,653	1,538	7.5%	58	55	1,147	1,002	11	9	437	473
New Hampshire	1,348	1,121	20.2%	291	280	1,030	816	28	25	0	0
Rhode Island	83	85	-2.0%	0	0	83	85	0	0	0	0
Vermont	573	341	67.9%	359	174	212	166	NM	2	0	0
Middle Atlantic	10,514	8,892	18.2%	51	37	9,350	7,811	534	454	580	590
New Jersey	1,312	1,101	19.1%	51	37	1,042	899	217	164	NM	1
New York	4,670	4,231	10.4%	0	0	4,257	3,848	210	183	204	201
Pennsylvania	4,533	3,560	27.3%	0	0	4,051	3,064	107	107	374	389
East North Central	19,094	16,666	14.6%	1,938	1,427	15,528	13,541	164	196	1,463	1,502
Illinois	8,020	6,715	19.4%	12	11	8,009	6,704	NM	0	0	0
Indiana	2,899	2,857	1.5%	235	241	2,631	2,573	20	19	14	24
Michigan	4,029	2,998	34.4%	694	170	2,564	2,001	130	163	642	663
Ohio	1,507	1,436	5.0%	31	17	1,201	1,128	NM	0	272	292
Wisconsin	2,638	2,659	-0.8%	967	987	1,123	1,136	11	13	536	523
West North Central	37,574	32,149	16.9%	11,574	10,176	25,507	21,480	66	70	427	423
Iowa	12,642	11,410	10.8%	6,943	5,948	5,662	5,428	22	24	16	11
Kansas	7,908	3,893	103.1%	766	750	7,141	3,143	0	0	0	0
Minnesota	7,994	7,773	2.8%	1,770	1,626	5,787	5,713	31	31	406	404
Missouri	1,008	1,064	-5.2%	34	23	972	1,037	0	0	NM	4
Nebraska	1,461	1,075	35.9%	213	210	1,235	851	13	14	0	0
North Dakota	4,383	4,494	-2.5%	1,359	1,057	3,021	3,432	0	0	NM	5
South Dakota	2,177	2,440	-10.8%	488	562	1,689	1,878	0	0	0	0
South Atlantic	15,090	14,251	5.9%	1,104	880	5,983	5,547	304	196	7,700	7,628
Delaware	104	115	-9.1%	NM	2	98	110	NM	3	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,845	3,760	2.3%	236	210	1,839	1,864	29	30	1,742	1,656
Georgia	2,986	2,675	11.6%	0	0	387	171	26	22	2,572	2,482
Maryland	765	726	5.4%	NM	2	613	576	37	30	104	118
North Carolina	2,450	2,192	11.7%	NM	3	1,351	1,087	15	2	1,079	1,100
South Carolina	1,619	1,792	-9.6%	348	386	16	33	0	0	1,255	1,373
Virginia	2,234	1,930	15.8%	501	278	592	645	194	108	948	899
West Virginia	1,086	1,061	2.3%	0	0	1,086	1,061	0	0	0	0
East South Central	5,125	4,539	12.9%	80	82	251	255	NM	NM	4,791	4,201
Alabama	2,723	2,305	18.1%	NM	1	169	162	0	0	2,553	2,143
Kentucky	240	275	-12.5%	78	81	0	0	0	0	162	193
Mississippi	1,265	1,277	-1.0%	0	0	0	1	0	0	1,264	1,276
Tennessee	897	682	31.5%	0	0	82	91	NM	NM	811	589
West South Central	44,508	37,791	17.8%	1,638	1,542	38,374	31,914	35	32	4,462	4,303
Arkansas	1,386	1,361	1.8%	0	0	73	51	NM	4	1,309	1,305
Louisiana	2,092	1,946	7.5%	0	0	51	50	0	0	2,042	1,897
Oklahoma	9,272	6,669	39.0%	1,368	1,281	7,622	5,090	0	0	282	298
Texas	31,758	27,814	14.2%	271	262	30,628	26,722	30	27	829	802
Mountain	21,835	17,949	21.7%	2,271	2,063	19,153	15,495	81	53	329	337
Arizona	2,243	1,372	63.5%	225	145	2,000	1,221	18	6	0	0
Colorado	6,231	4,986	25.0%	59	62	6,142	4,904	27	17	NM	3
Idaho	2,604	1,865	39.6%	106	36	2,174	1,497	0	0	323	332
Montana	1,213	971	24.9%	75	71	1,139	900	0	0	0	0
Nevada	3,198	2,372	34.8%	0	0	3,162	2,343	33	27	NM	2
New Mexico	2,210	2,094	5.5%	57	39	2,150	2,052	NM	3	0	0
Utah	780	894	-12.7%	201	220	579	674	0	0	0	0
Wyoming	3,356	3,395	-1.1%	1,549	1,490	1,806	1,905	0	0	0	0
Pacific Contiguous	46,086	38,712	19.0%	6,391	6,139	36,603	29,651	940	869	2,152	2,053
California	31,531	25,546	23.4%	2,050	1,800	27,887	22,212	920	851	673	683
Oregon	7,298	6,208	17.6%	1,285	1,248	5,559	4,560	20	18	434	382
Washington	7,257	6,958	4.3%	3,055	3,091	3,157	2,880	0	0	1,045	988
Pacific Noncontiguous	1,036	790	31.1%	94	35	713	535	150	126	79	94
Alaska	113	27	315.8%	71	16	41	9	0	0	NM	2
Hawaii	923	763	20.9%	23	20	673	526	150	126	78	91
U.S. Total	208,746	178,714	16.8%	25,848	22,891	156,617	130,874	2,411	2,109	23,869	22,841

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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 1.15.A. Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, October 2013 and 2012 (Thousand Megawatthours)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	-28	-22	27.2%	0	0	-28	-22	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	-28	-22	27.4%	0	0	-28	-22	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	-63	-90	-30.1%	-25	-57	-37	-33	0	0	0	0
New Jersey	-18	-14	32.6%	-18	-14	0	0	0	0	0	0
New York	-7	-43	-83.9%	-7	-43	0	0	0	0	0	0
Pennsylvania	-37	-33	12.9%	0	0	-37	-33	0	0	0	0
East North Central	-73	-65	12.0%	-73	-65	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	-73	-65	12.0%	-73	-65	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	5	-5	-197.1%	5	-5	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	5	-5	-197.1%	5	-5	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	-171	-188	-8.6%	-171	-188	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	-48	-34	38.4%	-48	-34	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	-55	-72	-24.0%	-55	-72	0	0	0	0	0	0
Virginia	-69	-81	-14.8%	-69	-81	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-1	1	-158.3%	-1	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	-1	1	-158.3%	-1	1	0	0	0	0	0	0
West South Central	-8	-10	-15.9%	-8	-10	0	0	0	0	0	0
Arkansas	0	2	-90.7%	0	2	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-8	-12	-28.5%	-8	-12	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-24	0	NM	-24	0	0	0	0	0	0	0
Arizona	1	12	-87.1%	1	12	0	0	0	0	0	0
Colorado	-25	-11	124.7%	-25	-11	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	43	-1	NM	43	-1	0	0	0	0	0	0
California	41	-1	NM	41	-1	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	2	1	218.6%	2	1	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	-320	-378	-15.4%	-254	-323	-66	-55	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 for 2013 are preliminary. Values for 2012 are final. 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 October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	-223	-260	-14.1%	0	0	-223	-260	0	0	0	0
Connecticut	-2	1	-310.4%	0	0	-2	1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-221	-261	-15.3%	0	0	-221	-261	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	-926	-851	8.9%	-486	-493	-440	-357	0	0	0	0
New Jersey	-174	-136	28.3%	-174	-136	0	0	0	0	0	0
New York	-312	-357	-12.8%	-312	-357	0	0	0	0	0	0
Pennsylvania	-440	-357	23.2%	0	0	-440	-357	0	0	0	0
East North Central	-749	-661	13.3%	-749	-661	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	-749	-661	13.3%	-749	-661	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	291	48	509.7%	291	48	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	291	48	509.7%	291	48	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	-2,030	-2,659	-23.6%	-2,030	-2,659	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	-323	-715	-54.8%	-323	-715	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	-671	-774	-13.2%	-671	-774	0	0	0	0	0	0
Virginia	-1,036	-1,169	-11.4%	-1,036	-1,169	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-25	-142	-82.4%	-25	-142	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	-25	-142	-82.4%	-25	-142	0	0	0	0	0	0
West South Central	-50	-53	-7.2%	-50	-53	0	0	0	0	0	0
Arkansas	31	41	-24.7%	31	41	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-80	-94	-14.8%	-80	-94	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-199	-124	60.2%	-199	-124	0	0	0	0	0	0
Arizona	50	80	-37.6%	50	80	0	0	0	0	0	0
Colorado	-249	-204	21.9%	-249	-204	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	233	737	-68.4%	233	737	0	0	0	0	0	0
California	225	698	-67.7%	225	698	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	8	39	-79.6%	8	39	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	-3,678	-3,965	-7.3%	-3,014	-3,348	-664	-617	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 for 2013 are preliminary. Values for 2012 are final. 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, October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	167	180	-7.1%	0	0	150	164	8	7	10	9
Connecticut	55	61	-10.4%	0	0	55	61	0	0	0	0
Maine	30	32	-5.3%	0	0	14	18	8	7	8	7
Massachusetts	77	81	-5.3%	0	0	75	79	0	0	1	2
New Hampshire	6	6	-5.7%	0	0	6	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	204	207	-1.9%	0	0	166	163	38	36	0	8
New Jersey	45	48	-7.3%	0	0	33	29	12	11	0	8
New York	85	85	0.1%	0	0	66	67	19	18	0	0
Pennsylvania	74	74	-0.5%	0	0	67	68	7	6	0	0
East North Central	93	93	0.5%	3	6	9	13	13	23	68	51
Illinois	22	22	0.6%	0	0	0	0	0	0	22	22
Indiana	39	23	70.2%	0	0	0	0	NM	1	38	22
Michigan	25	39	-37.4%	1	3	9	13	12	22	2	2
Ohio	1	1	63.0%	0	0	0	0	0	0	1	1
Wisconsin	6	8	-19.4%	2	4	0	0	0	0	5	4
West North Central	43	41	3.4%	23	21	12	13	3	2	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	36	35	3.5%	16	15	12	13	3	2	5	5
Missouri	2	1	80.3%	2	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	313	362	-13.7%	0	0	157	167	18	9	139	187
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	222	256	-13.2%	0	0	98	107	0	0	124	149
Georgia	10	9	14.2%	0	0	0	0	0	0	10	9
Maryland	26	24	6.4%	0	0	26	24	NM	0	0	0
North Carolina	15	35	-57.4%	0	0	15	11	0	0	0	24
South Carolina	4	11	-61.7%	0	0	0	6	0	0	4	5
Virginia	36	28	28.9%	0	0	18	19	18	9	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	1	20	-95.3%	0	1	0	0	0	0	1	18
Alabama	0	18	-98.2%	0	0	0	0	0	0	0	18
Kentucky	0	1	-72.1%	0	1	0	0	0	0	0	0
Mississippi	NM	0	NM	0	0	0	0	0	0	NM	0
Tennessee	0	0	40.6%	0	0	0	0	0	0	0	0
West South Central	93	60	54.4%	0	0	0	0	0	0	93	60
Arkansas	1	3	-74.1%	0	0	0	0	0	0	1	3
Louisiana	50	32	57.6%	0	0	0	0	0	0	50	32
Oklahoma	NM	1	NM	0	0	0	0	0	0	NM	1
Texas	39	25	60.2%	0	0	0	0	0	0	39	25
Mountain	50	68	-26.4%	NM	1	28	34	0	0	21	33
Arizona	0	1	-100.0%	0	0	0	1	0	0	0	0
Colorado	4	5	-23.6%	0	0	NM	1	0	0	NM	4
Idaho	0	7	-100.0%	0	0	0	0	0	0	0	7
Montana	27	32	-15.5%	0	0	27	32	0	0	0	0
Nevada	NM	1	NM	NM	1	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	18	15	18.3%	0	0	NM	0	0	0	18	15
Wyoming	0	7	-100.0%	0	0	0	0	0	0	0	7
Pacific Contiguous	59	73	-19.5%	0	0	22	21	0	0	37	51
California	43	56	-22.1%	0	0	13	12	0	0	31	44
Oregon	NM	4	NM	0	0	NM	3	0	0	0	1
Washington	12	13	-10.8%	0	0	6	6	0	0	6	7
Pacific Noncontiguous	19	31	-38.7%	0	19	3	0	16	12	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	19	31	-38.7%	0	19	3	0	16	12	0	0
U.S. Total	1,041	1,135	-8.3%	27	48	547	575	96	91	371	422

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Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. 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 October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	1,743	1,786	-2.4%	0	0	1,568	1,613	80	72	95	101
Connecticut	620	632	-1.9%	0	0	620	632	0	0	0	0
Maine	322	352	-8.5%	0	0	165	203	80	72	76	77
Massachusetts	745	749	-0.5%	0	0	726	725	0	0	19	24
New Hampshire	57	54	4.5%	0	0	57	54	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	1,988	2,090	-4.9%	0	0	1,592	1,613	396	386	0	91
New Jersey	442	535	-17.5%	0	0	321	322	120	123	0	91
New York	814	807	0.9%	0	0	625	632	189	176	0	0
Pennsylvania	732	747	-2.0%	0	0	646	659	86	88	0	0
East North Central	938	961	-2.4%	110	112	126	129	136	172	566	548
Illinois	220	260	-15.4%	0	0	0	0	0	0	220	260
Indiana	374	300	24.8%	75	57	0	0	16	17	282	225
Michigan	272	328	-17.0%	8	23	126	129	119	154	19	22
Ohio	8	9	-12.1%	0	0	0	0	0	0	8	9
Wisconsin	63	64	-1.2%	27	32	0	0	0	0	36	32
West North Central	407	396	2.7%	207	206	126	121	29	23	45	46
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	347	326	6.2%	147	136	126	121	29	23	45	46
Missouri	12	17	-27.7%	12	17	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	48	53	-9.2%	48	53	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3,323	3,733	-11.0%	0	0	1,767	1,826	172	94	1,384	1,812
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	2,424	2,638	-8.1%	0	0	1,165	1,188	0	0	1,260	1,450
Georgia	74	45	63.5%	0	0	0	0	0	0	74	45
Maryland	258	243	6.1%	0	0	257	243	NM	1	0	0
North Carolina	132	391	-66.3%	0	0	132	122	0	0	0	269
South Carolina	51	87	-42.0%	0	0	0	39	0	0	51	48
Virginia	384	328	16.9%	0	0	212	234	171	94	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	13	197	-93.6%	8	7	0	0	0	0	5	190
Alabama	3	189	-98.5%	0	0	0	0	0	0	3	189
Kentucky	8	7	8.1%	8	7	0	0	0	0	0	0
Mississippi	NM	0	NM	0	0	0	0	0	0	NM	0
Tennessee	0	0	13.9%	0	0	0	0	0	0	0	0
West South Central	777	587	32.2%	0	0	0	0	0	0	777	587
Arkansas	18	25	-29.0%	0	0	0	0	0	0	18	25
Louisiana	385	308	24.8%	0	0	0	0	0	0	385	308
Oklahoma	19	8	153.5%	0	0	0	0	0	0	19	8
Texas	355	246	44.1%	0	0	0	0	0	0	355	246
Mountain	476	575	-17.2%	12	10	297	321	0	0	168	245
Arizona	3	23	-85.5%	0	0	3	23	0	0	0	0
Colorado	45	45	-1.0%	0	0	11	9	0	0	34	37
Idaho	0	57	-100.0%	0	0	0	0	0	0	0	57
Montana	279	285	-2.1%	0	0	279	285	0	0	0	0
Nevada	12	10	20.6%	12	10	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	137	100	37.5%	0	0	NM	4	0	0	133	96
Wyoming	0	55	-100.0%	0	0	0	0	0	0	0	55
Pacific Contiguous	555	846	-34.4%	0	0	239	216	0	0	316	630
California	405	683	-40.6%	0	0	140	124	0	0	265	559
Oregon	36	42	-12.3%	0	0	36	35	0	0	0	7
Washington	113	122	-7.2%	0	0	62	58	0	0	51	64
Pacific Noncontiguous	155	299	-48.1%	0	178	11	0	144	121	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	155	299	-48.1%	0	178	11	0	144	121	0	0
U.S. Total	10,374	11,471	-9.6%	337	513	5,725	5,839	957	869	3,355	4,250

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 for 2013 are preliminary. Values for 2012 are final. 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, October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	157	131	20.0%	19	10	137	120	NM	1	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	87	96	-9.8%	0	0	87	96	0	0	0	0
Massachusetts	15	8	86.8%	NM	6	10	2	NM	1	0	0
New Hampshire	32	14	120.1%	0	0	32	14	0	0	0	0
Rhode Island	NM	0	NM	0	0	NM	0	0	0	0	0
Vermont	23	12	96.0%	15	4	8	8	0	0	0	0
Middle Atlantic	539	478	12.8%	0	0	539	478	0	0	NM	0
New Jersey	NM	1	NM	0	0	NM	1	0	0	0	0
New York	300	271	10.6%	0	0	299	271	0	0	NM	0
Pennsylvania	239	206	15.9%	0	0	239	206	0	0	0	0
East North Central	1,467	1,491	-1.6%	153	120	1,312	1,369	NM	0	NM	1
Illinois	747	771	-3.2%	NM	1	746	770	0	0	0	0
Indiana	297	328	-9.2%	0	0	297	327	NM	0	0	0
Michigan	204	121	69.2%	74	26	130	95	0	0	0	0
Ohio	91	119	-23.5%	NM	2	88	116	0	0	NM	1
Wisconsin	127	152	-16.7%	77	91	50	61	0	0	0	0
West North Central	4,059	3,702	9.6%	1,213	1,149	2,843	2,550	NM	3	0	0
Iowa	1,352	1,366	-1.0%	738	724	614	642	NM	0	0	0
Kansas	993	461	115.4%	97	40	895	421	0	0	0	0
Minnesota	692	793	-12.8%	149	174	541	616	NM	3	0	0
Missouri	101	115	-12.3%	0	0	101	115	0	0	0	0
Nebraska	169	113	48.6%	19	18	150	95	0	0	0	0
North Dakota	496	558	-11.2%	153	131	343	427	0	0	0	0
South Dakota	256	295	-13.1%	57	62	199	233	0	0	0	0
South Atlantic	77	123	-37.1%	0	0	77	123	NM	0	0	0
Delaware	NM	0	NM	0	0	0	0	NM	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	19	24	-22.7%	0	0	19	24	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	58	98	-40.8%	0	0	58	98	0	0	0	0
East South Central	3	4	-21.9%	0	0	3	4	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	3	4	-21.9%	0	0	3	4	0	0	0	0
West South Central	4,216	3,541	19.1%	189	177	4,027	3,364	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	1,123	799	40.5%	164	151	959	648	0	0	0	0
Texas	3,093	2,742	12.8%	25	26	3,068	2,716	0	0	0	0
Mountain	1,665	1,457	14.3%	195	206	1,470	1,250	NM	1	NM	0
Arizona	41	41	1.9%	0	0	41	41	0	0	0	0
Colorado	686	478	43.6%	7	13	679	464	0	0	NM	0
Idaho	187	160	16.7%	8	12	179	148	0	0	0	0
Montana	127	121	5.2%	9	9	117	112	0	0	0	0
Nevada	17	20	-12.6%	0	0	17	20	0	0	0	0
New Mexico	197	198	-0.3%	0	0	197	197	NM	0	0	0
Utah	45	40	10.4%	0	0	45	40	0	0	0	0
Wyoming	364	399	-8.7%	170	172	194	227	0	0	0	0
Pacific Contiguous	1,489	1,688	-11.8%	277	416	1,212	1,273	NM	0	NM	0
California	787	776	1.4%	50	66	737	710	NM	0	NM	0
Oregon	351	397	-11.4%	62	70	290	327	0	0	0	0
Washington	351	516	-31.9%	166	279	185	236	0	0	0	0
Pacific Noncontiguous	48	21	133.1%	NM	1	42	20	0	0	0	0
Alaska	NM	NM	NM	NM	1	NM	NM	0	0	0	0
Hawaii	38	15	148.1%	0	0	38	15	0	0	0	0
U.S. Total	13,720	12,636	8.6%	2,053	2,078	11,660	10,550	NM	5	NM	2

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 for 2013 are preliminary. Values for 2012 are final. 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 October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	1,473	1,032	42.8%	151	60	1,313	965	9	7	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	819	725	12.9%	0	0	819	725	0	0	0	0
Massachusetts	147	67	119.5%	46	47	91	13	9	7	0	0
New Hampshire	315	158	99.1%	0	0	315	158	0	0	0	0
Rhode Island	NM	1	NM	0	0	NM	1	0	0	0	0
Vermont	191	80	137.2%	105	13	86	68	0	0	0	0
Middle Atlantic	5,349	4,035	32.6%	0	0	5,342	4,032	0	0	NM	3
New Jersey	11	9	15.7%	0	0	11	9	0	0	0	0
New York	2,754	2,397	14.9%	0	0	2,747	2,394	0	0	NM	3
Pennsylvania	2,584	1,628	58.7%	0	0	2,584	1,628	0	0	0	0
East North Central	14,076	11,611	21.2%	1,458	968	12,603	10,633	NM	1	14	10
Illinois	7,440	6,161	20.8%	12	11	7,429	6,150	0	0	0	0
Indiana	2,628	2,574	2.1%	0	0	2,627	2,573	NM	1	0	0
Michigan	1,913	793	141.3%	694	170	1,219	622	0	0	0	0
Ohio	860	801	7.3%	12	12	834	780	0	0	14	10
Wisconsin	1,234	1,282	-3.8%	740	774	494	508	0	0	0	0
West North Central	35,737	30,351	17.7%	11,142	9,752	24,571	20,573	24	25	0	0
Iowa	12,512	11,281	10.9%	6,918	5,925	5,592	5,354	NM	2	0	0
Kansas	7,861	3,845	104.4%	766	750	7,094	3,094	0	0	0	0
Minnesota	6,442	6,255	3.0%	1,434	1,286	4,986	4,946	22	23	0	0
Missouri	954	1,019	-6.3%	0	0	954	1,019	0	0	0	0
Nebraska	1,410	1,022	38.0%	175	171	1,235	851	0	0	0	0
North Dakota	4,381	4,489	-2.4%	1,359	1,057	3,021	3,432	0	0	0	0
South Dakota	2,177	2,440	-10.8%	488	562	1,689	1,878	0	0	0	0
South Atlantic	1,328	1,310	1.3%	0	0	1,324	1,307	NM	3	0	0
Delaware	NM	3	NM	0	0	0	0	NM	3	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	247	254	-2.9%	0	0	247	254	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	1,077	1,053	2.4%	0	0	1,077	1,053	0	0	0	0
East South Central	35	37	-6.0%	0	0	35	37	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	35	37	-6.0%	0	0	35	37	0	0	0	0
West South Central	39,200	32,697	19.9%	1,638	1,542	37,562	31,154	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	8,990	6,371	41.1%	1,368	1,281	7,622	5,090	0	0	0	0
Texas	30,210	26,326	14.8%	271	262	29,939	26,064	0	0	0	0
Mountain	15,553	13,406	16.0%	1,787	1,651	13,751	11,745	12	7	NM	3
Arizona	400	452	-11.5%	0	0	400	452	0	0	0	0
Colorado	6,003	4,802	25.0%	57	62	5,934	4,733	9	4	NM	3
Idaho	2,080	1,345	54.6%	106	28	1,975	1,317	0	0	0	0
Montana	1,213	971	24.9%	75	71	1,139	900	0	0	0	0
Nevada	212	61	245.3%	0	0	212	61	0	0	0	0
New Mexico	1,828	1,810	1.0%	0	0	1,825	1,807	NM	3	0	0
Utah	461	569	-19.1%	0	0	461	569	0	0	0	0
Wyoming	3,356	3,395	-1.1%	1,549	1,490	1,806	1,905	0	0	0	0
Pacific Contiguous	24,391	19,839	22.9%	4,797	4,705	19,588	15,134	NM	0	NM	0
California	12,153	8,691	39.8%	831	707	11,316	7,984	NM	0	NM	0
Oregon	6,413	5,531	16.0%	1,224	1,190	5,189	4,341	0	0	0	0
Washington	5,825	5,617	3.7%	2,742	2,808	3,083	2,809	0	0	0	0
Pacific Noncontiguous	535	331	61.4%	71	16	463	316	0	0	0	0
Alaska	112	25	347.0%	71	16	41	9	0	0	0	0
Hawaii	423	306	38.0%	0	0	423	306	0	0	0	0
U.S. Total	137,676	114,649	20.1%	21,045	18,694	116,553	95,895	52	44	27	15

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Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. 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.A. Net Generation from Biomass
by State, by Sector, October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	611	590	3.6%	52	34	358	368	13	11	188	178
Connecticut	54	51	5.5%	0	0	54	51	0	0	0	0
Maine	280	285	-1.7%	0	0	111	140	10	8	159	137
Massachusetts	130	142	-8.7%	0	0	100	101	0	0	29	41
New Hampshire	101	99	1.6%	25	32	73	65	NM	3	0	0
Rhode Island	8	8	-8.5%	0	0	8	8	0	0	0	0
Vermont	39	4	806.6%	28	2	11	2	NM	0	0	0
Middle Atlantic	483	459	5.3%	0	0	378	351	43	39	61	69
New Jersey	83	77	7.6%	0	0	71	65	12	12	0	0
New York	210	181	15.6%	0	0	168	142	22	19	20	20
Pennsylvania	190	200	-5.0%	0	0	140	144	9	8	41	48
East North Central	485	509	-4.7%	45	51	278	300	16	26	146	131
Illinois	51	49	2.9%	0	0	51	49	NM	0	0	0
Indiana	26	33	-19.7%	23	28	0	0	NM	2	NM	3
Michigan	213	234	-9.1%	0	0	133	158	13	23	66	53
Ohio	59	58	2.4%	NM	0	32	31	0	0	26	26
Wisconsin	136	135	1.0%	22	23	62	62	NM	1	51	49
West North Central	180	185	-2.5%	42	45	91	87	5	4	42	48
Iowa	15	10	42.6%	NM	2	7	6	NM	2	4	0
Kansas	5	5	-10.3%	0	0	5	5	0	0	0	0
Minnesota	150	159	-5.5%	33	37	78	75	NM	1	38	47
Missouri	5	4	23.0%	NM	2	NM	2	0	0	NM	0
Nebraska	5	6	-8.3%	NM	4	0	0	NM	1	0	0
North Dakota	NM	0	NM	0	0	0	0	0	0	NM	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,357	1,260	7.7%	130	48	404	401	29	20	795	791
Delaware	5	6	-18.9%	0	0	5	6	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	337	369	-8.7%	8	8	161	170	NM	3	164	188
Georgia	314	279	12.4%	0	0	40	19	NM	3	271	258
Maryland	46	47	-1.0%	0	0	31	32	NM	3	11	12
North Carolina	214	229	-6.2%	0	0	108	115	0	1	106	112
South Carolina	171	152	12.2%	28	29	NM	4	0	0	141	119
Virginia	270	178	51.7%	93	10	55	55	20	10	101	102
West Virginia	NM	1	NM	0	0	NM	1	0	0	0	0
East South Central	461	414	11.5%	8	9	15	21	0	0	439	384
Alabama	241	185	29.7%	NM	0	13	13	0	0	228	172
Kentucky	21	31	-30.7%	8	9	0	0	0	0	14	22
Mississippi	112	127	-11.8%	0	0	0	1	0	0	112	126
Tennessee	87	70	24.0%	0	0	NM	7	0	0	85	63
West South Central	508	537	-5.4%	0	0	58	77	NM	4	446	456
Arkansas	124	133	-6.7%	0	0	8	4	NM	0	116	128
Louisiana	223	232	-3.5%	0	0	5	7	0	0	219	224
Oklahoma	29	29	-1.6%	0	0	0	0	0	0	29	29
Texas	131	143	-8.0%	0	0	45	65	NM	3	83	74
Mountain	83	76	8.2%	NM	3	40	38	0	0	41	35
Arizona	19	16	17.0%	NM	2	17	14	0	0	0	0
Colorado	5	5	1.2%	0	0	5	5	0	0	0	0
Idaho	53	47	12.3%	0	1	12	12	0	0	41	35
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	2	-100.0%	0	0	0	2	0	0	0	0
New Mexico	NM	1	NM	0	0	NM	1	0	0	0	0
Utah	5	5	-9.7%	0	0	5	5	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	789	771	2.3%	62	65	418	398	93	84	216	224
California	564	534	5.6%	17	20	389	359	91	83	67	72
Oregon	66	86	-23.1%	5	5	22	32	NM	2	37	48
Washington	158	150	5.4%	39	39	7	8	0	0	112	103
Pacific Noncontiguous	30	28	4.9%	3	0	0	0	17	13	9	15
Alaska	NM	0	NM	0	0	0	0	0	0	NM	0
Hawaii	29	28	5.2%	3	0	0	0	17	13	9	15
U.S. Total	4,987	4,829	3.3%	344	255	2,040	2,043	220	202	2,383	2,329

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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.B. Net Generation from Biomass
by State, by Sector, Year-to-Date through October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	6,299	5,914	6.5%	545	440	3,744	3,659	124	103	1,887	1,711
Connecticut	556	560	-0.7%	0	0	556	560	0	0	0	0
Maine	2,852	2,604	9.5%	0	0	1,309	1,290	93	76	1,450	1,238
Massachusetts	1,412	1,446	-2.4%	0	0	974	973	NM	1	437	473
New Hampshire	1,033	963	7.2%	291	280	714	658	28	25	0	0
Rhode Island	79	84	-5.5%	0	0	79	84	0	0	0	0
Vermont	368	257	43.0%	254	161	111	95	NM	2	0	0
Middle Atlantic	4,566	4,514	1.1%	0	0	3,561	3,513	442	421	563	580
New Jersey	819	825	-0.8%	0	0	692	694	127	131	0	0
New York	1,869	1,786	4.6%	0	0	1,463	1,406	210	183	196	198
Pennsylvania	1,879	1,903	-1.3%	0	0	1,406	1,413	106	107	366	383
East North Central	4,903	4,997	-1.9%	468	454	2,827	2,856	159	195	1,449	1,492
Illinois	524	528	-0.7%	0	0	524	528	NM	0	0	0
Indiana	267	284	-5.9%	235	241	0	0	18	18	14	24
Michigan	2,116	2,206	-4.1%	0	0	1,344	1,379	130	163	642	663
Ohio	593	603	-1.7%	6	0	329	321	0	0	258	282
Wisconsin	1,403	1,377	1.9%	227	213	629	628	11	13	536	523
West North Central	1,833	1,798	2.0%	432	424	932	907	42	45	427	423
Iowa	130	129	1.1%	25	23	70	74	20	22	16	11
Kansas	47	48	-2.8%	0	0	47	48	0	0	0	0
Minnesota	1,549	1,519	2.0%	336	339	797	767	10	9	406	404
Missouri	54	45	19.8%	34	23	17	18	0	0	NM	4
Nebraska	51	53	-4.7%	38	39	0	0	13	14	0	0
North Dakota	NM	5	NM	0	0	0	0	0	0	NM	5
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	13,110	12,660	3.5%	929	732	4,207	4,112	274	189	7,700	7,628
Delaware	51	92	-44.8%	0	0	51	92	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,628	3,587	1.1%	79	68	1,780	1,834	27	29	1,742	1,656
Georgia	2,980	2,672	11.5%	0	0	385	170	22	20	2,572	2,482
Maryland	450	455	-1.1%	0	0	314	308	31	29	104	118
North Carolina	2,139	2,124	0.7%	0	0	1,060	1,023	0	1	1,079	1,100
South Carolina	1,619	1,792	-9.6%	348	386	16	33	0	0	1,255	1,373
Virginia	2,234	1,930	15.8%	501	278	592	645	194	108	948	899
West Virginia	9	9	1.3%	0	0	9	9	0	0	0	0
East South Central	5,060	4,494	12.6%	80	82	190	211	0	0	4,791	4,201
Alabama	2,723	2,305	18.1%	NM	1	169	162	0	0	2,553	2,143
Kentucky	240	275	-12.5%	78	81	0	0	0	0	162	193
Mississippi	1,265	1,277	-1.0%	0	0	0	1	0	0	1,264	1,276
Tennessee	832	636	30.8%	0	0	21	48	0	0	811	589
West South Central	5,155	4,999	3.1%	0	0	662	665	32	31	4,462	4,303
Arkansas	1,386	1,361	1.8%	0	0	73	51	NM	4	1,309	1,305
Louisiana	2,092	1,946	7.5%	0	0	51	50	0	0	2,042	1,897
Oklahoma	282	298	-5.4%	0	0	0	0	0	0	282	298
Texas	1,395	1,393	0.1%	0	0	538	564	27	27	829	802
Mountain	658	758	-13.2%	22	29	311	393	NM	3	323	332
Arizona	111	175	-36.4%	20	21	90	151	NM	3	0	0
Colorado	50	48	4.9%	2	0	49	48	0	0	0	0
Idaho	437	459	-4.7%	0	8	114	119	0	0	323	332
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	15	-100.0%	0	0	0	15	0	0	0	0
New Mexico	11	12	-4.4%	0	0	11	12	0	0	0	0
Utah	48	49	-2.4%	0	0	48	49	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	7,674	7,236	6.1%	552	532	4,117	3,830	862	824	2,143	2,049
California	5,503	5,224	5.3%	185	194	3,812	3,544	842	806	665	680
Oregon	739	671	10.0%	54	55	230	216	20	18	434	382
Washington	1,432	1,341	6.8%	313	283	74	70	0	0	1,045	988
Pacific Noncontiguous	251	239	5.0%	23	20	0	0	150	126	79	94
Alaska	NM	2	NM	0	0	0	0	0	0	NM	2
Hawaii	250	237	5.5%	23	20	0	0	150	126	78	91
U.S. Total	49,510	47,610	4.0%	3,049	2,714	20,550	20,146	2,086	1,937	23,824	22,813

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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.A. Net Generation from Geothermal
by State, by Sector, October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
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	283	247	14.6%	23	23	260	224	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	9	7	31.8%	0	0	9	7	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	244	211	15.4%	0	0	244	211	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	30	29	4.8%	23	23	7	6	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,117	1,058	5.6%	63	76	1,054	983	0	0	0	0
California	1,102	1,058	4.1%	63	76	1,039	983	0	0	0	0
Oregon	15	0	--	0	0	15	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	25	24	1.8%	0	0	25	24	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	25	24	1.8%	0	0	25	24	0	0	0	0
U.S. Total	1,425	1,329	7.2%	86	99	1,339	1,231	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 for 2013 are preliminary. Values for 2012 are final. 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.B. Net Generation from Geothermal
by State, by Sector, Year-to-Date through October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 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	2,684	2,235	20.1%	201	220	2,483	2,015	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	86	61	41.3%	0	0	86	61	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	2,329	1,901	22.6%	0	0	2,329	1,901	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	269	274	-1.8%	201	220	68	54	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	10,887	10,374	4.9%	680	728	10,207	9,646	0	0	0	0
California	10,760	10,374	3.7%	680	728	10,081	9,646	0	0	0	0
Oregon	126	0	--	0	0	126	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	224	216	3.8%	0	0	224	216	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	224	216	3.8%	0	0	224	216	0	0	0	0
U.S. Total	13,795	12,825	7.6%	881	947	12,915	11,878	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 for 2013 are preliminary. Values for 2012 are final. 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.A. Net Generation from Solar
by State, by Sector, October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	14	4	228.6%	NM	1	12	3	NM	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	12	3	234.3%	NM	1	10	2	NM	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	NM	0	--	0	0	NM	0	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	67	27	153.1%	6	3	50	21	10	3	NM	0
New Jersey	54	21	157.2%	6	3	38	15	10	3	NM	0
New York	4	3	22.8%	0	0	4	3	0	0	0	0
Pennsylvania	9	2	316.5%	0	0	8	2	NM	0	NM	0
East North Central	13	7	88.6%	NM	NM	11	6	NM	0	0	0
Illinois	6	3	92.2%	0	0	6	3	0	0	0	0
Indiana	NM	0	NM	0	0	NM	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	6	4	68.3%	NM	NM	5	3	NM	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	0	--	0	0	NM	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	NM	0	--	0	0	NM	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	81	37	115.6%	18	13	58	24	5	1	0	0
Delaware	6	2	235.7%	NM	0	5	2	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	22	15	46.8%	15	12	7	3	NM	0	0	0
Georgia	NM	NM	NM	0	0	NM	NM	NM	0	0	0
Maryland	9	3	222.2%	NM	0	8	3	NM	0	0	0
North Carolina	43	17	147.4%	NM	0	38	17	4	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	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	16	10	70.5%	0	0	16	9	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	0	0	--	0	0	0	0	0	0	0	0
Texas	16	10	70.5%	0	0	16	9	NM	0	0	0
Mountain	367	230	59.9%	27	24	333	199	7	6	NM	0
Arizona	239	125	90.6%	20	20	218	105	NM	0	0	0
Colorado	19	20	-8.0%	0	0	16	18	NM	2	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	71	54	31.3%	0	0	68	50	NM	4	NM	0
New Mexico	38	30	29.0%	7	4	31	25	0	0	0	0
Utah	NM	0	NM	0	0	NM	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	403	116	247.9%	43	17	352	93	8	6	NM	NM
California	401	115	248.6%	42	17	350	92	8	6	NM	NM
Oregon	NM	1	NM	NM	0	NM	1	0	0	0	0
Washington	0	0	21.3%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	NM	0	NM	0	0	NM	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	0	NM	0	0	NM	0	0	0	0	0
U.S. Total	967	431	124.2%	96	59	837	356	32	15	NM	1

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

Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. 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 October 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	112	29	287.7%	12	8	99	20	NM	1	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	94	25	279.5%	12	8	82	16	NM	1	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	NM	0	--	0	0	NM	0	0	0	0	0
Vermont	15	4	276.0%	0	0	15	4	0	0	0	0
Middle Atlantic	599	343	74.7%	51	37	448	266	91	33	NM	7
New Jersey	483	267	80.6%	51	37	340	196	90	33	NM	1
New York	47	47	-1.4%	0	0	47	47	0	0	0	0
Pennsylvania	70	29	145.3%	0	0	61	23	NM	0	NM	6
East North Central	115	58	99.1%	13	5	98	53	NM	0	0	0
Illinois	56	26	110.6%	0	0	56	26	0	0	0	0
Indiana	NM	0	NM	0	0	NM	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	55	31	76.0%	13	5	39	26	NM	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	0	--	0	0	NM	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	NM	0	--	0	0	NM	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	653	280	132.7%	175	149	451	128	26	4	0	0
Delaware	50	20	153.9%	NM	2	48	18	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	217	173	26.0%	156	142	59	30	NM	0	0	0
Georgia	NM	2	NM	0	0	NM	NM	NM	1	0	0
Maryland	68	17	301.4%	NM	2	52	14	NM	1	0	0
North Carolina	310	69	352.8%	NM	3	290	64	15	1	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	29	8	247.0%	0	0	26	7	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	29	8	247.0%	0	0	26	7	NM	NM	0	0
West South Central	153	95	61.7%	0	0	151	95	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	0	0	--	0	0	0	0	0	0	0	0
Texas	153	95	61.7%	0	0	151	95	NM	0	0	0
Mountain	2,939	1,550	89.7%	262	163	2,607	1,342	69	43	NM	2
Arizona	1,732	745	132.3%	205	124	1,510	619	17	3	0	0
Colorado	178	136	31.4%	0	0	160	123	19	13	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	656	395	66.1%	0	0	620	366	33	27	NM	2
New Mexico	371	273	36.1%	57	39	314	233	0	0	0	0
Utah	NM	1	NM	0	0	NM	1	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	3,135	1,264	148.1%	362	174	2,690	1,041	76	45	NM	3
California	3,115	1,257	147.7%	354	171	2,678	1,037	76	45	NM	3
Oregon	20	6	243.6%	NM	2	13	3	0	0	0	0
Washington	1	1	-7.7%	1	1	0	0	0	0	0	0
Pacific Noncontiguous	26	4	577.1%	0	0	26	4	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	26	4	577.1%	0	0	26	4	0	0	0	0
U.S. Total	7,764	3,631	113.9%	874	536	6,600	2,955	273	128	18	12

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

Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. 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, 2003-October 2013 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	1,014,058	757,384	245,652	582	10,440
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
2011					
January	90,208	66,083	23,598	40	487
February	73,614	54,434	18,733	39	409
March	72,645	54,115	18,034	37	460
April	67,128	49,443	17,200	25	460
May	73,522	54,959	18,051	25	487
June	84,156	62,690	20,931	27	507
July	94,304	69,942	23,782	32	548
August	92,297	68,137	23,570	29	562
Sept	76,790	55,844	20,442	26	479
October	69,605	50,644	18,520	21	419
November	67,059	48,879	17,762	21	397
December	73,610	54,146	18,917	26	521
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
Year to Date					
2011	794,269	586,291	202,861	301	4,817
2012	682,604	509,675	168,774	254	3,901
2013	717,605	532,817	180,674	261	3,853
Rolling 12 Months Ending in October					
2012	823,273	612,700	205,454	301	4,819
2013	860,734	638,609	217,195	314	4,617

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 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, 2003-October 2013 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	17,720	0	2,080	1,234	14,406
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
2011					
January	2,084	0	340	149	1,595
February	1,833	0	307	135	1,391
March	1,869	0	310	127	1,431
April	1,713	0	287	98	1,327
May	1,776	0	328	99	1,349
June	1,726	0	287	103	1,336
July	1,824	0	313	113	1,397
August	1,807	0	305	101	1,400
Sept	1,689	0	283	96	1,309
October	1,712	0	294	89	1,329
November	1,689	0	277	96	1,315
December	1,812	0	296	113	1,403
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
Year to Date					
2011	18,031	0	3,054	1,111	13,866
2012	16,048	0	2,354	931	12,764
2013	15,348	0	2,129	897	12,321
Rolling 12 Months Ending in October					
2012	19,550	0	2,927	1,141	15,482
2013	18,632	0	2,565	1,109	14,958

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 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, 2003-October 2013 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	1,031,778	757,384	247,732	1,816	24,846
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
2011					
January	92,292	66,083	23,939	189	2,082
February	75,447	54,434	19,040	173	1,800
March	74,514	54,115	18,343	164	1,891
April	68,841	49,443	17,487	124	1,787
May	75,298	54,959	18,379	124	1,836
June	85,881	62,690	21,218	130	1,843
July	96,128	69,942	24,095	145	1,946
August	94,103	68,137	23,875	129	1,962
Sept	78,479	55,844	20,724	122	1,788
October	71,317	50,644	18,814	110	1,748
November	68,748	48,879	18,039	117	1,712
December	75,422	54,146	19,213	139	1,923
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
Year to Date					
2011	812,300	586,291	205,915	1,411	18,683
2012	698,653	509,675	171,128	1,186	16,664
2013	732,952	532,817	182,803	1,158	16,174
Rolling 12 Months Ending in October					
2012	842,823	612,700	208,381	1,442	20,300
2013	879,366	638,609	219,760	1,423	19,575

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 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, 2003-October 2013 (Thousand Barrels)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	175,136	105,319	61,420	882	7,514
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
2011					
January	3,325	2,207	1,005	26	87
February	2,077	1,590	400	16	72
March	2,160	1,737	351	10	63
April	2,450	2,091	296	5	57
May	2,291	1,886	347	5	52
June	2,355	1,745	553	5	53
July	2,926	1,906	958	14	49
August	2,290	1,749	480	12	49
Sept	1,834	1,427	342	13	52
October	1,835	1,481	280	10	64
November	1,832	1,488	278	10	55
December	1,952	1,539	343	8	62
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
Year to Date					
2011	23,543	17,817	5,012	115	599
2012	18,912	14,894	3,200	225	593
2013	18,815	13,763	4,381	248	422
Rolling 12 Months Ending in October					
2012	22,695	17,921	3,821	243	710
2013	22,507	16,389	5,292	NM	531

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 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, 2003-October 2013 (Thousand Barrels)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	14,124	0	1,197	512	12,414
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
2011					
January	538	0	94	69	375
February	370	0	72	26	272
March	333	0	75	9	249
April	287	0	83	3	201
May	287	0	82	7	198
June	286	0	82	4	200
July	272	0	87	8	176
August	284	0	92	8	184
Sept	280	0	89	11	180
October	311	0	87	5	219
November	293	0	83	14	195
December	286	0	76	3	207
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
Year to Date					
2011	3,247	0	845	150	2,252
2012	2,627	0	822	106	1,700
2013	2,460	0	863	119	1,477
Rolling 12 Months Ending in October					
2012	3,206	0	981	123	2,101
2013	2,930	0	1,033	NM	1,761

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 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.C. Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-October 2013 (Thousand Barrels)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	189,260	105,319	62,617	1,394	19,929
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
2011					
January	3,863	2,207	1,099	95	462
February	2,447	1,590	472	42	343
March	2,493	1,737	425	19	312
April	2,736	2,091	380	8	258
May	2,578	1,886	430	12	250
June	2,642	1,745	636	9	253
July	3,198	1,906	1,045	23	225
August	2,573	1,749	572	20	233
Sept	2,114	1,427	431	23	232
October	2,145	1,481	367	14	283
November	2,124	1,488	361	24	251
December	2,238	1,539	419	11	269
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
Year to Date					
2011	26,790	17,817	5,857	265	2,850
2012	21,539	14,894	4,022	331	2,292
2013	21,274	13,763	5,245	368	1,899
Rolling 12 Months Ending in October					
2012	25,901	17,921	4,802	366	2,812
2013	25,437	16,389	6,325	NM	2,292

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 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, 2003-October 2013 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	6,303	2,554	3,166	2	582
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
2011					
January	552	400	124	0	28
February	431	295	114	0	22
March	517	344	151	0	22
April	336	218	94	0	24
May	357	232	101	0	24
June	432	302	107	0	22
July	510	359	131	0	19
August	464	330	110	0	24
Sept	454	333	95	0	26
October	338	229	83	0	25
November	257	155	77	0	25
December	365	252	88	0	25
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
Year to Date					
2011	4,391	3,042	1,112	1	236
2012	3,053	1,760	646	1	646
2013	4,206	2,919	667	1	618
Rolling 12 Months Ending in October					
2012	3,674	2,167	811	1	696
2013	4,827	3,264	778	1	784

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 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, 2003-October 2013 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	763	0	80	9	675
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
2011					
January	93	0	5	1	86
February	90	0	9	1	81
March	85	0	11	1	73
April	92	0	9	0	83
May	95	0	11	0	84
June	89	0	9	0	80
July	89	0	11	0	79
August	81	0	11	0	70
Sept	90	0	10	0	80
October	91	0	7	0	84
November	88	0	9	1	79
December	95	0	10	1	84
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
Year to Date					
2011	896	0	93	4	800
2012	1,107	0	95	9	1,003
2013	901	0	91	8	802
Rolling 12 Months Ending in October					
2012	1,290	0	114	11	1,165
2013	1,140	0	109	11	1,020

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 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.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-October 2013 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	7,067	2,554	3,245	11	1,257
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
2011					
January	645	400	129	1	114
February	521	295	122	1	102
March	603	344	162	1	95
April	428	218	103	0	107
May	452	232	112	0	108
June	521	302	117	0	102
July	599	359	142	0	98
August	545	330	121	0	94
Sept	545	333	105	0	106
October	429	229	90	0	109
November	345	155	86	1	103
December	460	252	98	2	109
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
Year to Date					
2011	5,287	3,042	1,204	4	1,036
2012	4,160	1,760	740	10	1,649
2013	5,106	2,919	758	9	1,419
Rolling 12 Months Ending in October					
2012	4,964	2,167	924	12	1,861
2013	5,967	3,264	887	12	1,803

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 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 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2003-October 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	5,616,135	1,763,764	3,145,485	38,480	668,407
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
2011					
January	563,712	238,731	273,552	3,518	47,910
February	505,126	208,813	250,551	3,069	42,692
March	503,090	217,538	239,429	3,169	42,953
April	545,924	243,866	253,900	3,062	45,096
May	598,689	268,818	279,002	4,043	46,826
June	727,189	330,305	344,944	3,957	47,982
July	967,125	430,187	478,936	5,316	52,686
August	951,425	421,042	471,544	5,001	53,838
Sept	711,980	306,699	352,213	4,290	48,779
October	599,544	266,740	284,312	3,727	44,764
November	568,007	242,306	275,414	3,709	46,579
December	642,055	271,041	315,311	4,309	51,394
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
Year to Date					
2011	6,673,803	2,932,739	3,228,383	39,152	473,528
2012	8,242,857	3,559,779	4,101,669	54,165	527,243
2013	7,189,213	3,200,930	3,420,118	49,176	518,989
Rolling 12 Months Ending in October					
2012	9,452,919	4,073,126	4,692,394	62,183	625,216
2013	8,431,066	3,743,078	4,004,709	58,127	625,153

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 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.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2003-October 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	721,267	0	225,967	19,973	475,327
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
2011					
January	72,765	0	27,509	3,590	41,667
February	65,092	0	24,322	2,962	37,808
March	66,500	0	24,958	2,875	38,666
April	64,265	0	23,687	2,685	37,894
May	67,344	0	24,178	3,047	40,119
June	66,791	0	24,165	2,912	39,714
July	77,883	0	29,452	3,910	44,520
August	78,356	0	28,864	3,877	45,616
Sept	70,438	0	25,286	3,339	41,812
October	66,780	0	23,880	3,155	39,744
November	67,698	0	24,826	3,422	39,450
December	75,769	0	27,542	4,083	44,145
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
Year to Date					
2011	696,214	0	256,301	32,352	407,561
2012	741,325	0	270,098	40,265	430,963
2013	736,871	0	272,230	37,833	426,809
Rolling 12 Months Ending in October					
2012	884,792	0	322,466	47,769	514,558
2013	881,649	0	324,739	45,452	511,458

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 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, 2003-October 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	6,337,402	1,763,764	3,371,452	58,453	1,143,734
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
2011					
January	636,477	238,731	301,061	7,108	89,577
February	570,218	208,813	274,873	6,032	80,500
March	569,590	217,538	264,388	6,044	81,620
April	610,190	243,866	277,587	5,747	82,990
May	666,033	268,818	303,180	7,090	86,945
June	793,979	330,305	369,109	6,869	87,696
July	1,045,008	430,187	508,388	9,226	97,207
August	1,029,781	421,042	500,407	8,878	99,454
Sept	782,418	306,699	377,499	7,629	90,591
October	666,323	266,740	308,192	6,882	84,509
November	635,705	242,306	300,240	7,130	86,029
December	717,824	271,041	342,852	8,392	95,539
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
Year to Date					
2011	7,370,017	2,932,739	3,484,684	71,504	881,089
2012	8,984,182	3,559,779	4,371,767	94,430	958,206
2013	7,926,084	3,200,930	3,692,348	87,009	945,797
Rolling 12 Months Ending in October					
2012	10,337,711	4,073,126	5,014,860	109,952	1,139,774
2013	9,312,715	3,743,078	4,329,448	103,578	1,136,611

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 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, 2003-October 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	136,421	9,168	121,984	3,280	1,989
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
2011					
January	18,885	1,725	14,677	2,454	30
February	17,636	1,598	13,612	2,400	26
March	19,016	1,703	14,660	2,626	28
April	17,861	1,677	13,752	2,402	30
May	18,908	1,728	14,628	2,518	33
June	19,707	1,755	15,382	2,535	35
July	20,419	1,841	15,878	2,667	33
August	20,779	1,965	16,090	2,687	37
Sept	19,319	1,730	15,116	2,440	33
October	19,291	2,137	14,995	2,126	32
November	20,227	2,107	15,817	2,267	36
December	20,747	2,120	16,249	2,347	32
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
Year to Date					
2011	191,821	17,859	148,791	24,855	316
2012	211,791	20,976	166,590	22,142	2,083
2013	246,459	25,727	195,234	22,850	2,648
Rolling 12 Months Ending in October					
2012	252,766	25,203	198,656	26,757	2,150
2013	291,043	29,944	230,608	27,380	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 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, 2003-October 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	993	0	116	0	876
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
2011					
January	312	0	276	29	7
February	280	0	246	28	6
March	274	0	237	31	6
April	239	0	203	29	7
May	238	0	200	30	8
June	246	0	209	29	8
July	252	0	217	28	8
August	282	0	245	28	9
Sept	281	0	244	30	8
October	307	0	266	33	8
November	171	0	132	30	8
December	313	0	279	26	7
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
Year to Date					
2011	2,711	0	2,343	294	75
2012	2,712	0	2,379	281	52
2013	3,941	0	3,436	396	108
Rolling 12 Months Ending in October					
2012	3,195	0	2,790	338	67
2013	4,418	0	3,845	455	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 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, 2003-October 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	137,414	9,168	122,100	3,280	2,865
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
2011					
January	19,197	1,725	14,952	2,483	37
February	17,916	1,598	13,858	2,428	32
March	19,290	1,703	14,897	2,656	34
April	18,100	1,677	13,954	2,431	37
May	19,146	1,728	14,829	2,548	41
June	19,954	1,755	15,592	2,564	43
July	20,672	1,841	16,095	2,695	40
August	21,061	1,965	16,335	2,715	46
Sept	19,600	1,730	15,360	2,470	41
October	19,597	2,137	15,261	2,159	40
November	20,398	2,107	15,949	2,298	45
December	21,060	2,120	16,527	2,374	39
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
Year to Date					
2011	194,532	17,859	151,133	25,149	391
2012	214,503	20,976	168,970	22,423	2,134
2013	250,400	25,727	198,670	23,246	2,757
Rolling 12 Months Ending in October					
2012	255,961	25,203	201,446	27,094	2,218
2013	295,461	29,944	234,453	27,835	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 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.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2003-October 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	21,196	695	18,300	2,087	115
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
2011					
January	1,282	26	1,100	156	0
February	1,206	23	1,046	136	0
March	1,412	29	1,229	154	0
April	1,387	31	1,201	156	0
May	1,440	36	1,227	177	0
June	1,482	38	1,274	170	0
July	1,514	36	1,305	173	1
August	1,481	37	1,274	170	1
Sept	1,429	36	1,226	166	1
October	1,445	34	1,241	169	1
November	1,422	30	1,226	165	1
December	1,472	31	1,275	164	1
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
Year to Date					
2011	14,079	327	12,123	1,626	3
2012	14,117	352	11,824	1,931	10
2013	13,145	382	10,921	1,835	7
Rolling 12 Months Ending in October					
2012	17,011	414	14,325	2,261	11
2013	15,996	447	13,332	2,207	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.

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Table 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2003-October 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	1,358	0	311	865	182
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
2011					
January	158	0	73	79	6
February	146	0	62	78	6
March	167	0	68	86	12
April	146	0	48	86	12
May	175	0	69	92	13
June	177	0	63	101	12
July	167	0	60	95	12
August	185	0	58	110	17
Sept	180	0	62	102	16
October	174	0	61	96	18
November	187	0	56	114	17
December	181	0	61	107	13
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
Year to Date					
2011	1,676	0	625	926	124
2012	1,660	0	438	1,061	161
2013	1,655	0	506	1,009	140
Rolling 12 Months Ending in October					
2012	2,028	0	554	1,283	191
2013	1,981	0	591	1,221	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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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, 2003-October 2013 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	22,554	695	18,611	2,952	296
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
2011					
January	1,441	26	1,173	235	6
February	1,352	23	1,108	214	6
March	1,579	29	1,298	240	12
April	1,534	31	1,248	242	12
May	1,615	36	1,296	270	13
June	1,659	38	1,338	271	12
July	1,681	36	1,365	268	13
August	1,667	37	1,332	279	18
Sept	1,609	36	1,288	268	16
October	1,619	34	1,302	265	18
November	1,609	30	1,283	279	17
December	1,653	31	1,336	272	14
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
Year to Date					
2011	15,755	327	12,748	2,553	127
2012	15,778	352	12,261	2,993	171
2013	14,800	382	11,427	2,844	146
Rolling 12 Months Ending in October					
2012	19,039	414	14,880	3,543	203
2013	17,976	447	13,923	3,429	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 2.7.A. Consumption of Coal for Electricity Generation by State, by Sector, October 2013 and October 2012 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	NM	39	NM	0	1	NM	38	0	0	1	0
Connecticut	0	18	-100.0%	0	0	0	18	0	0	0	0
Maine	1	1	-44.0%	0	0	0	1	0	0	0	0
Massachusetts	NM	19	NM	0	0	NM	19	0	0	NM	0
New Hampshire	0	1	-82.0%	0	1	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	2,557	3,416	-25.0%	0	0	2,537	3,393	NM	0	20	22
New Jersey	51	41	26.0%	0	0	51	41	0	0	0	0
New York	106	166	-36.0%	0	0	99	160	0	0	6	6
Pennsylvania	2,400	3,209	-25.0%	0	0	2,386	3,192	NM	0	13	17
East North Central	15,413	13,668	13.0%	10,550	9,834	4,775	3,747	3	4	85	83
Illinois	4,405	3,817	15.0%	410	435	3,943	3,335	1	2	50	46
Indiana	3,699	3,497	5.8%	3,472	3,245	224	250	1	2	1	1
Michigan	2,608	2,345	11.0%	2,587	2,320	NM	16	0	0	13	10
Ohio	2,902	2,303	26.0%	2,297	2,148	599	147	NM	0	6	8
Wisconsin	1,799	1,706	5.5%	1,783	1,687	0	0	NM	0	16	19
West North Central	10,720	10,598	1.2%	10,587	10,475	0	0	6	5	128	118
Iowa	1,358	1,596	-15.0%	1,282	1,534	0	0	4	3	72	59
Kansas	1,368	1,389	-1.5%	1,368	1,389	0	0	0	0	0	0
Minnesota	1,186	1,165	1.8%	1,160	1,139	0	0	0	0	26	25
Missouri	3,420	3,139	9.0%	3,416	3,135	0	0	2	2	2	2
Nebraska	1,384	1,319	4.9%	1,364	1,295	0	0	0	0	21	24
North Dakota	1,875	1,799	4.2%	1,869	1,792	0	0	0	0	7	7
South Dakota	129	192	-33.0%	129	192	0	0	0	0	0	0
South Atlantic	9,297	8,705	6.8%	7,442	7,158	1,802	1,496	2	3	52	48
Delaware	69	64	7.1%	0	0	69	64	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,748	1,699	2.9%	1,695	1,649	48	46	0	0	4	4
Georgia	1,459	1,643	-11.0%	1,451	1,632	0	0	0	0	9	11
Maryland	561	626	-10.0%	0	0	557	620	NM	2	3	4
North Carolina	1,404	1,370	2.5%	1,341	1,309	58	57	0	1	5	3
South Carolina	776	766	1.3%	770	760	0	0	0	0	6	6
Virginia	643	300	114.0%	614	254	20	35	NM	0	8	11
West Virginia	2,637	2,236	18.0%	1,570	1,555	1,049	674	0	0	18	8
East South Central	6,598	6,689	-1.4%	6,308	6,573	266	93	NM	0	24	23
Alabama	2,100	1,960	7.1%	2,095	1,957	0	0	0	0	5	3
Kentucky	3,075	3,059	0.5%	3,075	3,059	0	0	0	0	0	0
Mississippi	417	181	130.0%	151	88	266	93	0	0	0	0
Tennessee	1,007	1,489	-32.0%	987	1,469	0	0	NM	0	19	19
West South Central	11,532	12,582	-8.3%	5,982	6,050	5,534	6,516	0	0	17	15
Arkansas	1,310	1,077	22.0%	1,169	957	140	118	0	0	1	2
Louisiana	798	1,219	-35.0%	498	729	299	489	0	0	0	0
Oklahoma	1,392	1,474	-5.5%	1,259	1,328	118	133	0	0	15	13
Texas	8,032	8,813	-8.9%	3,055	3,036	4,977	5,776	0	0	0	0
Mountain	9,286	9,916	-6.4%	8,444	8,714	805	1,160	0	0	37	42
Arizona	1,968	1,926	2.2%	1,968	1,926	0	0	0	0	0	0
Colorado	1,451	1,675	-13.0%	1,448	1,672	NM	3	0	0	NM	0
Idaho	1	3	-52.0%	0	0	0	0	0	0	1	3
Montana	690	1,034	-33.0%	NM	19	668	1,014	0	0	NM	1
Nevada	158	267	-41.0%	95	203	62	65	0	0	0	0
New Mexico	1,185	1,245	-4.8%	1,185	1,245	0	0	0	0	0	0
Utah	1,451	1,373	5.7%	1,398	1,318	NM	32	0	0	19	23
Wyoming	2,381	2,393	-0.5%	2,328	2,332	NM	46	0	0	15	15
Pacific Contiguous	843	764	10.0%	228	239	608	518	0	0	7	7
California	26	36	-26.0%	0	0	21	29	0	0	6	7
Oregon	228	239	-4.5%	228	239	0	0	0	0	0	0
Washington	588	490	20.0%	0	0	587	489	0	0	1	1
Pacific Noncontiguous	102	108	-5.9%	16	15	76	83	8	9	NM	2
Alaska	42	41	3.3%	16	15	18	17	8	9	0	0
Hawaii	60	68	-11.0%	0	0	58	66	0	0	NM	2
U.S. Total	66,359	66,486	-0.2%	49,556	49,060	16,412	17,044	20	21	371	361

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 for 2013 are preliminary. Values for 2012 are final. 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 October 2013 and October 2012 (Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	2,076	1,322	57.0%	492	366	1,573	948	0	0	11	8
Connecticut	268	240	12.0%	0	0	268	240	0	0	0	0
Maine	12	9	32.0%	0	0	5	5	0	0	6	4
Massachusetts	1,305	708	84.0%	0	0	1,299	704	0	0	5	4
New Hampshire	492	366	34.0%	492	366	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	37,407	36,601	2.2%	NM	6	37,191	36,377	5	4	201	215
New Jersey	731	730	0.2%	0	0	731	730	0	0	0	0
New York	1,968	1,785	10.0%	NM	6	1,900	1,719	0	0	58	60
Pennsylvania	34,708	34,087	1.8%	0	0	34,559	33,928	5	4	144	155
East North Central	162,263	150,502	7.8%	115,022	105,443	46,277	44,085	75	83	890	891
Illinois	43,633	40,350	8.1%	5,217	5,288	37,879	34,522	20	24	517	516
Indiana	38,498	38,370	0.3%	36,224	35,701	2,232	2,628	31	30	12	11
Michigan	26,517	24,525	8.1%	26,191	24,240	172	175	22	26	132	85
Ohio	33,905	31,237	8.5%	27,847	24,371	5,994	6,761	1	2	63	103
Wisconsin	19,709	16,019	23.0%	19,543	15,843	0	0	1	1	166	176
West North Central	115,475	111,912	3.2%	114,110	110,503	0	0	67	53	1,297	1,357
Iowa	17,276	17,779	-2.8%	16,508	17,032	0	0	43	36	726	711
Kansas	15,922	14,691	8.4%	15,922	14,691	0	0	0	0	0	0
Minnesota	11,334	10,994	3.1%	11,065	10,746	0	0	0	0	268	249
Missouri	37,298	35,332	5.6%	37,245	35,295	0	0	24	17	28	21
Nebraska	13,238	12,576	5.3%	13,030	12,253	0	0	0	0	208	324
North Dakota	18,827	18,952	-0.7%	18,760	18,899	0	0	0	0	67	53
South Dakota	1,580	1,587	-0.4%	1,580	1,587	0	0	0	0	0	0
South Atlantic	98,080	97,605	0.5%	80,718	81,566	16,836	15,521	28	26	499	492
Delaware	609	552	10.0%	0	0	609	552	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	17,480	16,900	3.4%	16,957	16,294	484	564	0	0	39	42
Georgia	17,247	18,303	-5.8%	17,157	18,177	0	0	0	0	90	126
Maryland	5,631	5,650	-0.3%	0	0	5,583	5,598	17	16	31	36
North Carolina	16,056	17,303	-7.2%	15,438	16,716	570	537	6	6	42	44
South Carolina	8,272	9,898	-16.0%	8,220	9,824	0	17	0	0	51	58
Virginia	7,903	5,085	55.0%	7,390	4,591	415	389	4	3	94	102
West Virginia	24,883	23,914	4.1%	15,555	15,964	9,176	7,864	0	0	152	86
East South Central	73,143	69,794	4.8%	70,267	67,140	2,621	2,414	5	4	251	236
Alabama	20,579	19,013	8.2%	20,536	18,961	0	13	0	0	44	39
Kentucky	33,013	32,213	2.5%	33,013	32,213	0	0	0	0	0	0
Mississippi	4,925	4,314	14.0%	2,304	1,912	2,621	2,401	0	0	0	0
Tennessee	14,626	14,254	2.6%	14,414	14,054	0	0	5	4	207	197
West South Central	128,986	122,984	4.9%	66,131	64,339	62,685	58,475	0	0	170	169
Arkansas	15,796	14,320	10.0%	13,808	12,266	1,968	2,035	0	0	19	19
Louisiana	11,848	11,939	-0.8%	5,881	6,356	5,965	5,583	0	0	NM	0
Oklahoma	15,575	15,639	-0.4%	14,499	14,554	927	935	0	0	149	150
Texas	85,766	81,086	5.8%	31,942	31,164	53,824	49,922	0	0	0	0
Mountain	93,724	87,626	7.0%	84,180	78,994	9,095	8,181	0	0	449	450
Arizona	19,432	17,734	9.6%	19,432	17,676	0	0	0	0	0	58
Colorado	15,583	15,740	-1.0%	15,550	15,705	29	31	0	0	4	5
Idaho	14	12	14.0%	0	0	0	0	0	0	14	12
Montana	7,991	7,074	13.0%	210	197	7,774	6,871	0	0	8	6
Nevada	2,469	1,725	43.0%	1,861	1,229	608	496	0	0	0	0
New Mexico	12,026	11,965	0.5%	12,026	11,965	0	0	0	0	0	0
Utah	13,093	11,822	11.0%	12,517	11,238	307	364	0	0	269	220
Wyoming	23,115	21,553	7.2%	22,584	20,983	377	420	0	0	154	150
Pacific Contiguous	5,476	3,197	71.0%	1,735	1,148	3,673	1,981	0	0	68	69
California	360	457	-21.0%	0	0	299	396	0	0	61	62
Oregon	1,735	1,148	51.0%	1,735	1,148	0	0	0	0	0	0
Washington	3,381	1,593	112.0%	0	0	3,374	1,585	0	0	7	7
Pacific Noncontiguous	973	1,062	-8.3%	152	171	725	792	81	86	16	13
Alaska	404	435	-7.2%	152	171	171	178	81	86	0	0
Hawaii	569	626	-9.1%	0	0	553	613	0	0	16	13
U.S. Total	717,605	682,604	5.1%	532,817	509,675	180,674	168,774	261	254	3,853	3,901

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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 2.8.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector,
October 2013 and October 2012 (Thousand Barrels)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	34	48	-28.0%	5	3	21	32	NM	7	3	5
Connecticut	NM	19	NM	1	0	NM	18	NM	0	NM	0
Maine	7	5	34.0%	NM	0	5	4	NM	1	2	1
Massachusetts	17	20	-15.0%	2	0	NM	10	3	6	1	4
New Hampshire	NM	0	NM	0	0	NM	0	NM	0	NM	0
Rhode Island	5	2	193.0%	2	2	3	0	NM	0	0	0
Vermont	NM	1	NM	NM	0	0	0	NM	1	0	0
Middle Atlantic	56	82	-32.0%	11	13	39	62	NM	2	5	5
New Jersey	3	6	-54.0%	NM	1	2	5	NM	0	NM	0
New York	32	44	-26.0%	11	12	16	25	NM	2	5	4
Pennsylvania	21	33	-35.0%	NM	0	20	32	NM	0	NM	0
East North Central	77	106	-27.0%	63	87	12	16	NM	0	3	3
Illinois	10	13	-18.0%	4	5	6	8	NM	0	NM	0
Indiana	20	19	11.0%	19	18	NM	0	NM	0	1	1
Michigan	17	26	-36.0%	15	24	0	0	0	0	1	2
Ohio	26	41	-36.0%	21	33	5	7	NM	0	NM	0
Wisconsin	4	8	-53.0%	4	7	NM	0	NM	0	NM	0
West North Central	39	45	-12.0%	38	44	NM	1	NM	0	NM	0
Iowa	10	21	-51.0%	10	20	NM	0	NM	0	NM	0
Kansas	10	4	116.0%	10	4	0	0	0	0	0	0
Minnesota	7	4	75.0%	7	4	NM	0	NM	0	NM	0
Missouri	6	7	-13.0%	6	7	NM	0	NM	0	0	0
Nebraska	2	2	-14.0%	2	2	0	0	0	0	0	0
North Dakota	3	7	-52.0%	3	6	0	0	NM	0	NM	0
South Dakota	2	0	NM	2	0	NM	0	NM	0	0	0
South Atlantic	141	217	-35.0%	106	159	20	36	NM	11	9	12
Delaware	NM	2	NM	NM	0	NM	2	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	34	89	-62.0%	32	86	NM	1	0	0	2	2
Georgia	6	14	-56.0%	4	8	NM	0	NM	0	2	6
Maryland	20	22	-8.5%	1	1	12	11	NM	10	0	0
North Carolina	31	28	10.0%	30	26	NM	1	NM	0	1	1
South Carolina	10	7	50.0%	8	5	0	0	NM	0	2	1
Virginia	22	35	-39.0%	14	13	6	20	0	0	2	2
West Virginia	18	19	-6.6%	18	19	0	0	0	0	0	0
East South Central	36	78	-54.0%	32	60	1	1	NM	0	4	17
Alabama	12	26	-54.0%	8	8	1	1	0	0	3	17
Kentucky	14	20	-30.0%	14	20	0	0	0	0	0	0
Mississippi	2	2	6.3%	2	2	0	0	0	0	0	0
Tennessee	8	30	-73.0%	8	30	0	0	NM	0	NM	0
West South Central	31	21	47.0%	18	10	12	10	NM	0	1	2
Arkansas	10	5	99.0%	8	1	2	4	0	0	0	0
Louisiana	6	2	181.0%	2	0	3	0	0	0	1	1
Oklahoma	3	1	192.0%	3	1	0	0	NM	0	NM	0
Texas	14	14	-0.9%	5	7	8	6	NM	0	NM	0
Mountain	34	42	-17.0%	31	38	3	4	NM	0	NM	0
Arizona	5	10	-54.0%	5	10	0	0	NM	0	0	0
Colorado	2	5	-58.0%	2	5	0	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	3	2	11.0%	NM	0	3	2	0	0	0	0
Nevada	3	3	24.0%	3	2	0	1	0	0	0	0
New Mexico	12	8	40.0%	11	8	NM	0	0	0	NM	0
Utah	4	6	-39.0%	4	6	NM	0	0	0	NM	0
Wyoming	6	7	-10.0%	6	7	0	0	0	0	NM	0
Pacific Contiguous	8	14	-44.0%	5	5	NM	8	NM	0	2	1
California	5	12	-54.0%	5	4	NM	7	NM	0	NM	0
Oregon	NM	0	NM	1	0	0	0	NM	0	0	0
Washington	2	2	-12.0%	NM	0	1	2	NM	0	1	1
Pacific Noncontiguous	1,036	1,070	-3.2%	894	954	133	95	NM	0	8	20
Alaska	97	111	-13.0%	90	105	0	0	NM	0	7	6
Hawaii	939	959	-2.1%	804	849	133	95	0	0	NM	14
U.S. Total	1,494	1,722	-13.0%	1,202	1,372	243	265	14	21	34	64

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Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. 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 October 2013 and October 2012 (Thousand Barrels)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	1,364	778	75.0%	239	108	1,026	563	68	71	30	36
Connecticut	413	239	72.0%	5	7	402	228	NM	0	NM	4
Maine	350	147	138.0%	NM	0	331	128	NM	5	12	13
Massachusetts	408	292	40.0%	98	26	266	207	32	41	12	18
New Hampshire	121	54	124.0%	109	43	NM	0	12	11	NM	0
Rhode Island	47	27	75.0%	19	26	26	0	NM	1	0	0
Vermont	NM	19	NM	9	6	0	0	NM	13	0	0
Middle Atlantic	2,264	1,513	50.0%	823	598	1,362	840	NM	17	64	58
New Jersey	156	73	113.0%	NM	8	147	63	NM	1	NM	1
New York	1,569	945	66.0%	816	590	683	290	NM	13	58	53
Pennsylvania	539	494	9.2%	NM	0	531	487	NM	3	4	4
East North Central	999	1,041	-4.1%	796	878	184	145	NM	3	16	16
Illinois	123	111	11.0%	45	40	77	70	NM	0	NM	0
Indiana	212	183	16.0%	204	176	NM	0	NM	0	8	7
Michigan	223	243	-7.9%	216	235	0	0	2	2	5	5
Ohio	378	422	-10.0%	273	349	103	71	NM	0	NM	2
Wisconsin	62	82	-24.0%	57	78	4	4	NM	0	1	1
West North Central	502	538	-6.7%	493	522	5	10	NM	2	3	3
Iowa	139	171	-18.0%	136	166	3	4	NM	0	NM	0
Kansas	89	58	55.0%	89	58	0	0	0	0	0	0
Minnesota	50	59	-15.0%	46	50	1	6	NM	2	1	1
Missouri	115	140	-18.0%	114	140	NM	0	NM	0	0	0
Nebraska	40	40	0.5%	40	40	0	0	0	0	0	0
North Dakota	50	54	-6.8%	49	53	0	0	NM	0	1	1
South Dakota	18	17	8.3%	17	16	NM	1	NM	0	0	0
South Atlantic	2,545	3,118	-18.0%	1,906	2,331	386	498	146	121	106	169
Delaware	41	41	0.1%	NM	1	39	40	0	0	0	0
District of Columbia	0	26	-100.0%	0	0	0	26	0	0	0	0
Florida	775	1,206	-36.0%	739	1,157	NM	17	0	0	27	32
Georgia	141	201	-30.0%	102	109	NM	2	2	3	36	88
Maryland	376	360	4.3%	10	13	222	224	143	116	0	7
North Carolina	313	303	3.4%	294	285	11	8	NM	0	8	10
South Carolina	175	187	-6.4%	159	170	0	4	NM	0	16	14
Virginia	507	586	-14.0%	385	390	102	176	1	2	18	18
West Virginia	217	208	4.2%	214	206	2	2	0	0	0	0
East South Central	531	638	-17.0%	479	582	2	3	NM	0	50	53
Alabama	140	161	-13.0%	92	109	2	3	0	0	47	49
Kentucky	176	190	-7.1%	176	190	0	0	0	0	0	0
Mississippi	21	27	-23.0%	18	24	0	0	0	0	3	3
Tennessee	193	261	-26.0%	193	259	0	0	NM	0	NM	2
West South Central	401	356	13.0%	230	100	148	238	NM	1	22	18
Arkansas	178	42	320.0%	155	22	22	19	0	0	1	2
Louisiana	74	56	32.0%	21	17	35	25	0	0	18	14
Oklahoma	14	18	-22.0%	14	18	0	0	NM	0	NM	1
Texas	135	240	-44.0%	40	43	92	194	NM	1	NM	2
Mountain	323	354	-8.6%	289	308	31	40	0	0	3	6
Arizona	63	64	-2.6%	63	63	0	0	NM	0	0	1
Colorado	18	23	-20.0%	18	23	1	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	24	28	-17.0%	NM	0	24	28	0	0	0	0
Nevada	28	34	-18.0%	23	25	5	9	0	0	0	0
New Mexico	78	65	19.0%	77	64	NM	1	0	0	NM	0
Utah	50	58	-13.0%	49	55	NM	2	0	0	NM	1
Wyoming	63	81	-22.0%	60	77	0	0	0	0	3	3
Pacific Contiguous	124	143	-14.0%	65	73	26	41	NM	1	31	28
California	72	85	-15.0%	50	52	NM	30	NM	1	8	2
Oregon	NM	11	NM	9	11	0	0	NM	0	0	0
Washington	42	47	-11.0%	NM	10	13	11	NM	0	23	26
Pacific Noncontiguous	9,763	10,433	-6.4%	8,442	9,396	1,211	822	12	9	98	207
Alaska	1,002	1,400	-28.0%	936	1,324	0	0	8	5	58	71
Hawaii	8,761	9,032	-3.0%	7,506	8,072	1,211	822	4	3	40	135
U.S. Total	18,815	18,912	-0.5%	13,763	14,894	4,381	3,200	248	225	422	593

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Table 2.9.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, October 2013 and October 2012 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
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	6	NM	0	0	0	0	0	0	NM	6
New Jersey	NM	1	NM	0	0	0	0	0	0	NM	1
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	5	NM	0	0	0	0	0	0	NM	5
East North Central	77	50	54.0%	22	0	48	45	0	0	8	5
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	24	4	515.0%	20	0	1	3	0	0	NM	1
Ohio	47	43	8.7%	0	0	47	43	0	0	0	0
Wisconsin	6	3	95.0%	2	0	0	0	0	0	4	3
West North Central	0	0	-9.0%	0	0	0	0	0	0	0	0
Iowa	0	0	-9.0%	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	58	4	NM	56	0	0	0	0	0	3	4
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	56	0	--	56	0	0	0	0	0	0	0
Georgia	3	4	-36.0%	0	0	0	0	0	0	3	4
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	42	42	1.6%	42	42	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	42	42	1.6%	42	42	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	205	159	28.0%	169	114	0	0	0	0	35	45
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	182	119	53.0%	169	114	0	0	0	0	13	5
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	23	40	-44.0%	0	0	0	0	0	0	23	40
Mountain	16	16	-0.7%	0	0	16	16	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	16	16	-0.7%	0	0	16	16	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	408	280	46.0%	289	156	67	64	0	0	52	60

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 for 2013 are preliminary. Values for 2012 are final. 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 October 2013 and October 2012 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 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	67	46	46.0%	0	0	0	0	0	0	67	46
New Jersey	NM	9	NM	0	0	0	0	0	0	NM	9
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	43	37	16.0%	0	0	0	0	0	0	43	37
East North Central	831	714	16.0%	312	235	455	426	0	0	63	52
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	267	204	31.0%	267	204	0	0	0	0	0	0
Michigan	70	44	58.0%	20	0	25	28	0	0	24	16
Ohio	433	398	8.8%	0	0	430	397	0	0	3	0
Wisconsin	61	67	-9.3%	25	31	0	0	0	0	36	36
West North Central	1	6	-82.0%	0	5	0	0	1	1	0	0
Iowa	1	6	-82.0%	0	5	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	745	272	174.0%	714	227	0	0	0	0	32	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	227	215.0%	714	227	0	0	0	0	0	0
Georgia	32	45	-30.0%	0	0	0	0	0	0	32	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	425	432	-1.5%	425	432	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	425	432	-1.5%	425	432	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	1,969	1,389	42.0%	1,468	861	45	25	0	0	457	503
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,581	926	71.0%	1,468	861	0	0	0	0	113	64
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	389	464	-16.0%	0	0	45	25	0	0	344	438
Mountain	141	140	1.1%	0	0	141	140	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	141	140	1.1%	0	0	141	140	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	26	55	-53.0%	0	0	26	55	0	0	0	0
California	26	55	-53.0%	0	0	26	55	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	4,206	3,053	38.0%	2,919	1,760	667	646	1	1	618	646

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**Table 2.10.A. Consumption of Natural Gas for Electricity Generation by State, by Sector,
October 2013 and October 2012 (Million Cubic Feet)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	31,998	40,281	-21.0%	35	156	29,904	37,774	494	672	1,565	1,680
Connecticut	8,443	11,215	-25.0%	11	8	8,007	10,579	261	378	165	250
Maine	2,722	3,532	-23.0%	0	0	1,384	2,205	NM	24	1,317	1,303
Massachusetts	14,269	15,720	-9.2%	21	146	13,994	15,247	180	212	NM	115
New Hampshire	2,114	4,268	-50.0%	0	0	2,096	4,245	NM	12	NM	11
Rhode Island	4,448	5,545	-20.0%	0	0	4,423	5,498	NM	46	0	0
Vermont	4	2	132.0%	4	2	0	0	0	0	0	0
Middle Atlantic	71,593	82,053	-13.0%	7,428	9,186	63,010	71,429	543	612	613	826
New Jersey	15,494	16,518	-6.2%	NM	40	15,152	16,027	NM	107	242	343
New York	28,524	38,075	-25.0%	7,418	9,144	20,608	28,361	381	420	117	150
Pennsylvania	27,575	27,459	0.4%	0	2	27,250	27,041	NM	85	254	332
East North Central	34,372	33,142	3.7%	13,092	11,532	19,423	19,839	1,041	746	815	1,025
Illinois	2,182	2,623	-17.0%	25	27	1,495	2,080	538	422	124	95
Indiana	5,975	7,975	-25.0%	4,552	5,955	1,232	1,711	NM	27	172	282
Michigan	7,322	7,289	0.5%	1,281	923	5,336	5,608	282	238	423	521
Ohio	14,226	12,758	12.0%	5,234	3,310	8,741	9,319	NM	51	NM	78
Wisconsin	4,667	2,497	87.0%	2,000	1,318	2,619	1,121	NM	9	39	49
West North Central	7,652	5,700	34.0%	6,668	4,431	639	845	167	216	177	209
Iowa	NM	755	NM	NM	675	NM	0	NM	4	NM	76
Kansas	1,694	980	73.0%	1,604	957	0	0	0	0	NM	23
Minnesota	2,839	2,042	39.0%	2,116	1,329	622	559	NM	116	49	38
Missouri	1,963	1,695	16.0%	1,832	1,312	NM	286	112	96	NM	0
Nebraska	NM	159	NM	NM	90	0	0	NM	0	NM	69
North Dakota	NM	3	NM	NM	0	0	0	0	0	NM	3
South Dakota	NM	67	NM	NM	67	0	0	0	0	0	0
South Atlantic	158,317	157,753	0.4%	128,714	126,662	27,324	28,883	225	195	2,054	2,013
Delaware	4,104	4,703	-13.0%	0	7	3,483	4,239	0	0	621	457
District of Columbia	NM	80	NM	0	0	0	0	NM	80	0	0
Florida	93,527	95,088	-1.6%	86,905	88,613	5,851	5,644	NM	14	753	817
Georgia	25,175	23,152	8.7%	19,610	14,472	5,182	8,228	0	0	383	452
Maryland	2,230	2,464	-9.5%	0	0	2,076	2,313	NM	99	NM	52
North Carolina	15,157	9,149	66.0%	9,280	7,517	5,808	1,590	4	2	64	41
South Carolina	6,155	10,477	-41.0%	4,938	9,678	1,148	717	NM	0	69	82
Virginia	11,856	12,465	-4.9%	7,982	6,323	3,735	6,034	0	0	139	108
West Virginia	NM	174	NM	0	52	42	117	0	0	NM	4
East South Central	49,401	49,728	-0.7%	26,836	30,482	20,621	16,985	NM	104	1,844	2,157
Alabama	27,310	25,175	8.5%	8,782	9,111	17,891	15,361	0	0	637	703
Kentucky	841	978	-14.0%	702	892	15	31	0	0	124	54
Mississippi	18,430	19,491	-5.4%	14,634	16,506	2,715	1,592	NM	7	1,073	1,386
Tennessee	2,821	4,084	-31.0%	2,718	3,973	0	0	NM	97	10	14
West South Central	172,453	175,536	-1.8%	51,988	54,968	83,692	83,934	538	404	36,236	36,230
Arkansas	5,703	8,847	-36.0%	1,539	1,007	4,039	7,722	NM	1	125	117
Louisiana	35,425	39,879	-11.0%	14,482	17,473	5,463	4,810	NM	20	15,461	17,576
Oklahoma	14,316	16,909	-15.0%	12,232	13,574	2,012	3,262	NM	1	NM	73
Texas	117,009	109,902	6.5%	23,734	22,915	72,177	68,140	499	383	20,598	18,465
Mountain	46,933	50,758	-7.5%	25,880	30,439	19,720	19,155	255	239	1,078	925
Arizona	15,224	19,537	-22.0%	4,744	9,386	10,390	10,056	90	95	0	0
Colorado	5,359	4,038	33.0%	3,188	1,913	2,153	2,115	0	0	NM	9
Idaho	1,579	1,510	4.6%	219	222	1,332	1,264	0	0	NM	23
Montana	NM	421	NM	NM	402	NM	18	0	0	0	0
Nevada	14,076	16,222	-13.0%	10,345	12,194	3,498	3,774	56	54	177	200
New Mexico	5,019	5,408	-7.2%	3,425	4,176	1,525	1,169	69	63	0	0
Utah	5,028	3,339	51.0%	3,568	2,114	787	744	NM	27	634	455
Wyoming	267	283	-5.7%	NM	31	NM	14	0	0	223	238
Pacific Contiguous	90,104	102,034	-12.0%	32,708	33,648	50,168	60,429	1,169	1,430	6,059	6,528
California	71,872	85,123	-16.0%	21,531	24,497	43,259	52,854	1,123	1,358	5,958	6,414
Oregon	9,173	10,627	-14.0%	3,092	4,044	5,982	6,440	NM	67	54	76
Washington	9,060	6,284	44.0%	8,085	5,107	927	1,134	NM	5	46	38
Pacific Noncontiguous	2,487	3,362	-26.0%	2,440	3,307	0	0	NM	4	NM	52
Alaska	2,487	3,362	-26.0%	2,440	3,307	0	0	NM	4	NM	52
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	665,310	700,348	-5.0%	295,788	304,811	314,502	339,272	4,534	4,621	50,486	51,645

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Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. 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 October 2013 and October 2012 (Million Cubic Feet)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	335,040	400,080	-16.0%	2,347	3,266	309,575	373,161	7,041	7,137	16,077	16,516
Connecticut	95,476	98,830	-3.4%	78	59	90,048	93,313	3,192	3,215	2,158	2,243
Maine	29,879	38,606	-23.0%	0	0	16,821	25,300	NM	268	12,817	13,038
Massachusetts	142,750	163,665	-13.0%	1,887	2,462	136,751	156,969	3,116	3,117	996	1,118
New Hampshire	25,049	44,891	-44.0%	347	717	24,489	43,935	NM	123	NM	116
Rhode Island	41,850	54,059	-23.0%	0	0	41,467	53,645	383	414	0	0
Vermont	35	29	22.0%	35	29	0	0	0	0	0	0
Middle Atlantic	843,480	940,928	-10.0%	104,204	111,574	725,142	813,981	6,582	6,643	7,552	8,730
New Jersey	177,483	196,128	-9.5%	NM	268	173,271	191,243	1,104	1,241	2,907	3,377
New York	372,207	417,785	-11.0%	103,985	111,286	262,215	300,556	4,576	4,402	1,431	1,542
Pennsylvania	293,790	327,015	-10.0%	NM	20	289,655	322,182	903	1,000	3,214	3,812
East North Central	389,979	572,872	-32.0%	145,181	207,654	224,589	340,910	11,428	12,875	8,782	11,434
Illinois	52,492	88,711	-41.0%	5,048	12,479	39,223	67,344	6,518	6,843	1,703	2,046
Indiana	63,630	100,039	-36.0%	43,345	76,513	17,758	20,578	247	257	2,278	2,690
Michigan	85,222	157,118	-46.0%	23,299	38,534	56,147	110,817	2,123	2,432	3,653	5,336
Ohio	134,824	149,806	-10.0%	44,435	38,368	87,242	107,601	2,434	3,064	712	773
Wisconsin	53,812	77,198	-30.0%	29,054	41,760	24,218	34,570	105	279	435	588
West North Central	117,734	154,814	-24.0%	100,161	131,121	14,463	19,210	1,568	2,651	1,543	1,832
Iowa	11,578	15,013	-23.0%	11,372	14,487	NM	0	26	49	NM	477
Kansas	22,304	31,767	-30.0%	21,693	31,057	0	0	0	0	612	710
Minnesota	43,319	50,698	-15.0%	34,806	40,821	7,211	7,941	792	1,514	510	423
Missouri	32,458	47,303	-31.0%	24,453	34,940	7,251	11,269	746	1,084	NM	11
Nebraska	4,602	7,655	-40.0%	4,443	7,527	0	0	NM	4	NM	125
North Dakota	84	88	-4.7%	NM	1	0	0	0	0	78	87
South Dakota	3,390	2,290	48.0%	3,390	2,290	0	0	0	0	0	0
South Atlantic	1,597,450	1,747,982	-8.6%	1,272,721	1,334,851	299,943	390,953	2,563	2,891	22,224	19,287
Delaware	43,587	53,270	-18.0%	NM	77	34,856	47,465	0	0	8,673	5,729
District of Columbia	820	874	-6.2%	0	0	0	0	820	874	0	0
Florida	887,040	984,090	-9.9%	818,042	894,311	61,254	81,824	NM	142	7,598	7,813
Georgia	245,614	264,938	-7.3%	183,177	150,474	58,953	111,503	0	0	3,484	2,961
Maryland	22,763	46,827	-51.0%	0	0	20,883	44,196	1,574	1,841	306	789
North Carolina	166,921	131,753	27.0%	109,272	111,397	57,109	19,996	19	33	521	327
South Carolina	82,550	98,847	-16.0%	70,370	81,852	11,485	16,334	NM	0	691	660
Virginia	145,448	165,130	-12.0%	91,356	96,328	53,198	67,852	0	0	894	951
West Virginia	2,707	2,253	20.0%	445	412	2,205	1,784	0	0	57	57
East South Central	545,529	704,941	-23.0%	307,451	377,146	215,424	304,849	1,201	1,222	21,452	21,723
Alabama	285,974	349,657	-18.0%	88,701	94,179	189,963	248,122	0	0	7,310	7,357
Kentucky	14,934	31,019	-52.0%	11,335	25,803	2,137	3,453	0	0	1,462	1,762
Mississippi	212,159	269,389	-21.0%	176,229	203,628	23,324	53,274	NM	90	12,523	12,396
Tennessee	32,462	54,876	-41.0%	31,186	53,536	0	0	1,117	1,132	158	208
West South Central	1,958,995	2,255,609	-13.0%	621,354	733,363	961,670	1,144,198	4,991	5,307	370,980	372,741
Arkansas	78,463	111,704	-30.0%	23,789	22,982	53,387	87,604	NM	6	1,281	1,112
Louisiana	376,985	427,433	-12.0%	161,883	195,530	55,428	71,550	202	219	159,472	160,133
Oklahoma	212,603	288,737	-26.0%	161,212	208,105	50,813	80,031	86	60	493	542
Texas	1,290,943	1,427,735	-9.6%	274,470	306,745	802,042	905,013	4,697	5,022	209,734	210,954
Mountain	537,710	578,853	-7.1%	317,811	345,507	206,645	218,569	2,516	2,739	10,737	12,038
Arizona	178,161	214,147	-17.0%	75,944	102,951	101,340	110,119	877	1,040	0	38
Colorado	73,102	73,262	-0.2%	40,266	41,776	32,637	31,276	42	28	158	182
Idaho	19,410	12,007	62.0%	9,606	4,090	9,452	7,562	0	0	352	355
Montana	4,017	4,750	-15.0%	3,806	4,554	NM	197	0	0	0	0
Nevada	152,758	160,755	-5.0%	113,920	115,860	36,570	42,387	542	534	1,727	1,973
New Mexico	61,673	63,279	-2.5%	41,373	41,951	19,632	20,594	667	730	2	4
Utah	45,778	47,894	-4.4%	32,553	34,058	6,635	6,286	389	406	6,200	7,144
Wyoming	2,810	2,759	1.9%	NM	267	NM	148	0	0	2,299	2,344
Pacific Contiguous	835,324	853,063	-2.1%	302,117	282,102	462,668	495,838	11,271	12,684	59,269	62,440
California	694,758	751,038	-7.5%	220,618	230,825	404,802	446,512	10,916	12,233	58,422	61,470
Oregon	78,878	67,864	16.0%	27,855	23,565	50,191	43,234	346	424	487	641
Washington	61,688	34,161	81.0%	53,643	27,712	7,675	6,093	10	27	360	329
Pacific Noncontiguous	27,972	33,714	-17.0%	27,584	33,196	0	0	NM	16	373	502
Alaska	27,972	33,714	-17.0%	27,584	33,196	0	0	NM	16	373	502
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	7,189,213	8,242,857	-13.0%	3,200,930	3,559,779	3,420,118	4,101,669	49,176	54,165	518,989	527,243

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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 2.11.A. Consumption of Landfill Gas for Electricity Generation by State, by Sector, October 2013 and October 2012 (Million Cubic Feet)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	991	826	20.0%	0	0	932	780	NM	46	0	0
Connecticut	NM	46	NM	0	0	NM	46	0	0	0	0
Maine	NM	42	NM	0	0	NM	42	0	0	0	0
Massachusetts	369	319	16.0%	0	0	369	319	0	0	0	0
New Hampshire	194	159	22.0%	0	0	135	113	NM	46	0	0
Rhode Island	247	203	22.0%	0	0	247	203	0	0	0	0
Vermont	NM	57	NM	0	0	NM	57	0	0	0	0
Middle Atlantic	4,724	4,333	9.0%	0	0	4,694	4,309	NM	25	0	0
New Jersey	1,029	817	26.0%	0	0	1,029	817	0	0	0	0
New York	1,643	1,426	15.0%	0	0	1,643	1,426	0	0	0	0
Pennsylvania	2,052	2,091	-1.9%	0	0	2,023	2,066	NM	25	0	0
East North Central	6,533	5,736	14.0%	756	626	5,719	5,063	NM	18	NM	29
Illinois	1,624	1,282	27.0%	0	0	1,624	1,282	0	0	0	0
Indiana	750	639	17.0%	716	609	0	0	0	0	NM	29
Michigan	1,744	1,910	-8.7%	0	0	1,744	1,910	0	0	0	0
Ohio	1,059	817	30.0%	NM	0	1,039	817	0	0	0	0
Wisconsin	1,357	1,089	25.0%	NM	17	1,313	1,054	NM	18	0	0
West North Central	987	778	27.0%	296	255	692	523	0	0	0	0
Iowa	217	139	56.0%	0	0	217	139	0	0	0	0
Kansas	NM	106	NM	0	0	NM	106	0	0	0	0
Minnesota	364	314	16.0%	NM	73	293	241	0	0	0	0
Missouri	156	123	27.0%	NM	86	NM	37	0	0	0	0
Nebraska	NM	96	NM	NM	96	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	3,820	3,668	4.2%	471	407	2,830	2,872	262	208	256	181
Delaware	143	140	2.0%	0	0	143	140	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	620	661	-6.2%	168	161	452	500	0	0	0	0
Georgia	297	295	0.7%	0	0	243	247	NM	48	0	0
Maryland	331	306	8.4%	0	0	151	175	181	130	0	0
North Carolina	591	883	-33.0%	0	0	591	873	0	11	0	0
South Carolina	593	444	34.0%	303	239	NM	24	0	0	256	181
Virginia	1,219	917	33.0%	0	7	1,191	892	NM	19	0	0
West Virginia	NM	21	NM	0	0	NM	21	0	0	0	0
East South Central	338	416	-19.0%	249	228	NM	188	0	0	0	0
Alabama	NM	19	NM	0	0	NM	19	0	0	0	0
Kentucky	249	228	9.0%	249	228	0	0	0	0	0	0
Mississippi	0	20	-100.0%	0	0	0	20	0	0	0	0
Tennessee	NM	149	NM	0	0	NM	149	0	0	0	0
West South Central	1,581	1,369	15.0%	0	0	1,509	1,308	NM	61	0	0
Arkansas	NM	80	NM	0	0	NM	80	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	1,450	1,288	13.0%	0	0	1,379	1,227	NM	61	0	0
Mountain	353	395	-11.0%	NM	84	276	312	0	0	0	0
Arizona	NM	135	NM	NM	61	NM	74	0	0	0	0
Colorado	NM	48	NM	0	0	NM	48	0	0	0	0
Idaho	NM	66	NM	0	22	NM	44	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	40	-100.0%	0	0	0	40	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	106	NM	0	0	NM	106	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,994	4,870	23.0%	783	664	3,145	2,271	2,067	1,934	0	0
California	5,168	4,276	21.0%	289	312	2,868	2,069	2,012	1,895	0	0
Oregon	454	331	37.0%	145	108	253	184	NM	39	0	0
Washington	372	263	42.0%	348	244	NM	19	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	25,321	22,392	13.0%	2,631	2,264	19,887	17,625	2,513	2,292	290	211

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**Table 2.11.B. Consumption of Landfill Gas for Electricity Generation by State, by Sector,
Year-to-Date through October 2013 and October 2012 (Million Cubic Feet)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	9,707	7,989	22.0%	0	0	9,176	7,559	531	430	0	0
Connecticut	641	499	28.0%	0	0	641	499	0	0	0	0
Maine	559	431	30.0%	0	0	559	431	0	0	0	0
Massachusetts	3,651	3,008	21.0%	0	0	3,651	3,008	0	0	0	0
New Hampshire	1,853	1,479	25.0%	0	0	1,322	1,049	531	430	0	0
Rhode Island	2,412	2,006	20.0%	0	0	2,412	2,006	0	0	0	0
Vermont	590	565	4.4%	0	0	590	565	0	0	0	0
Middle Atlantic	46,885	42,877	9.3%	0	0	46,606	42,624	NM	252	0	0
New Jersey	9,944	8,390	19.0%	0	0	9,944	8,390	0	0	0	0
New York	16,202	13,643	19.0%	0	0	16,202	13,643	0	0	0	0
Pennsylvania	20,739	20,844	-0.5%	0	0	20,460	20,591	NM	252	0	0
East North Central	64,360	54,038	19.0%	7,444	5,484	56,409	48,123	NM	175	NM	256
Illinois	16,042	13,956	15.0%	0	0	16,042	13,956	0	0	0	0
Indiana	7,356	5,574	32.0%	7,068	5,317	0	0	0	0	NM	256
Michigan	17,224	15,499	11.0%	0	0	17,224	15,499	0	0	0	0
Ohio	10,442	8,361	25.0%	190	0	10,252	8,361	0	0	0	0
Wisconsin	13,296	10,649	25.0%	186	167	12,891	10,307	NM	175	0	0
West North Central	9,704	7,823	24.0%	2,853	2,424	6,851	5,399	0	0	0	0
Iowa	2,153	1,726	25.0%	0	0	2,153	1,726	0	0	0	0
Kansas	1,303	1,012	29.0%	0	0	1,303	1,012	0	0	0	0
Minnesota	3,568	2,919	22.0%	669	636	2,899	2,283	0	0	0	0
Missouri	1,492	1,243	20.0%	997	866	495	377	0	0	0	0
Nebraska	1,188	923	29.0%	1,188	923	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	37,157	33,477	11.0%	4,587	3,861	27,797	25,914	2,413	1,876	2,360	1,827
Delaware	1,414	2,128	-34.0%	0	0	1,414	2,128	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	6,089	6,348	-4.1%	1,611	1,379	4,478	4,969	0	0	0	0
Georgia	2,890	2,126	36.0%	0	0	2,399	1,783	491	343	0	0
Maryland	3,140	2,712	16.0%	0	0	1,472	1,417	1,668	1,295	0	0
North Carolina	5,827	4,942	18.0%	0	0	5,827	4,925	0	17	0	0
South Carolina	5,671	4,473	27.0%	2,975	2,406	336	240	0	0	2,360	1,827
Virginia	11,884	10,535	13.0%	0	76	11,629	10,239	NM	220	0	0
West Virginia	242	214	13.0%	0	0	242	214	0	0	0	0
East South Central	3,329	3,288	1.3%	2,453	2,049	877	1,239	0	0	0	0
Alabama	231	190	22.0%	0	0	231	190	0	0	0	0
Kentucky	2,453	2,049	20.0%	2,453	2,049	0	0	0	0	0	0
Mississippi	0	20	-100.0%	0	0	0	20	0	0	0	0
Tennessee	645	1,029	-37.0%	0	0	645	1,029	0	0	0	0
West South Central	15,521	11,708	33.0%	0	0	14,886	11,199	635	509	0	0
Arkansas	1,290	941	37.0%	0	0	1,290	941	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	14,231	10,766	32.0%	0	0	13,596	10,257	635	509	0	0
Mountain	3,489	3,521	-0.9%	759	777	2,730	2,744	0	0	0	0
Arizona	1,162	1,091	6.5%	759	602	403	488	0	0	0	0
Colorado	579	468	24.0%	0	0	579	468	0	0	0	0
Idaho	468	606	-23.0%	0	175	468	431	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	320	-100.0%	0	0	0	320	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	1,280	1,037	23.0%	0	0	1,280	1,037	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	56,308	47,071	20.0%	7,632	6,381	29,902	21,790	18,774	18,900	0	0
California	48,213	41,120	17.0%	2,777	2,930	27,168	19,700	18,268	18,490	0	0
Oregon	4,454	3,444	29.0%	1,437	1,125	2,510	1,909	506	410	0	0
Washington	3,641	2,507	45.0%	3,417	2,327	224	181	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	246,459	211,791	16.0%	25,727	20,976	195,234	166,590	22,850	22,142	2,648	2,083

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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 2.12.A. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, October 2013 and October 2012 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	307	346	-11.0%	0	0	291	329	16	17	0	0
Connecticut	108	115	-5.8%	0	0	108	115	0	0	0	0
Maine	23	36	-36.0%	0	0	8	19	16	17	0	0
Massachusetts	163	179	-9.0%	0	0	163	179	0	0	0	0
New Hampshire	12	15	-21.0%	0	0	12	15	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	428	456	-6.1%	0	0	341	360	87	96	0	0
New Jersey	108	104	4.5%	0	0	81	76	28	27	0	0
New York	167	181	-7.7%	0	0	127	130	40	51	0	0
Pennsylvania	153	171	-11.0%	0	0	133	154	20	18	0	0
East North Central	21	27	-23.0%	3	3	0	0	18	23	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	1	-22.0%	0	0	0	0	1	1	0	0
Michigan	17	22	-25.0%	0	0	0	0	17	22	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	3	-7.8%	3	3	0	0	0	0	0	0
West North Central	56	56	0.8%	38	34	16	20	NM	2	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	56	56	0.8%	38	34	16	20	NM	2	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	401	433	-7.4%	0	0	368	400	33	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	254	290	-12.0%	0	0	254	290	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	67	62	8.1%	0	0	67	62	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	80	81	-0.9%	0	0	47	48	33	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	1	-21.0%	0	0	0	0	0	0	1	1
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1	1	-21.0%	0	0	0	0	0	0	1	1
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	0	0	-4.4%	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	-4.4%	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	59	65	-8.8%	0	0	59	65	0	0	0	0
California	39	40	-2.2%	0	0	39	40	0	0	0	0
Oregon	8	9	-17.0%	0	0	8	9	0	0	0	0
Washington	12	16	-21.0%	0	0	12	16	0	0	0	0
Pacific Noncontiguous	33	23	45.0%	0	0	0	0	33	23	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	33	23	45.0%	0	0	0	0	33	23	0	0
U.S. Total	1,307	1,407	-7.1%	41	38	1,076	1,174	189	194	1	1

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Table 2.12.B. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, Year-to-Date through October 2013 and October 2012 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	3,051	3,356	-9.1%	0	0	2,903	3,186	148	170	0	0
Connecticut	1,111	1,179	-5.8%	0	0	1,111	1,179	0	0	0	0
Maine	225	368	-39.0%	0	0	77	198	148	170	0	0
Massachusetts	1,594	1,669	-4.5%	0	0	1,594	1,669	0	0	0	0
New Hampshire	121	140	-14.0%	0	0	121	140	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	4,169	4,590	-9.2%	0	0	3,287	3,595	883	995	0	0
New Jersey	1,076	1,151	-6.6%	0	0	789	857	287	294	0	0
New York	1,550	1,713	-9.5%	0	0	1,178	1,238	372	475	0	0
Pennsylvania	1,543	1,725	-11.0%	0	0	1,320	1,499	224	226	0	0
East North Central	199	229	-13.0%	29	31	0	0	170	197	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	9	10	-14.0%	0	0	0	0	9	10	0	0
Michigan	161	187	-14.0%	0	0	0	0	161	187	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	29	31	-7.2%	29	31	0	0	0	0	0	0
West North Central	531	525	1.1%	353	321	166	186	12	18	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	531	525	1.1%	353	321	166	186	12	18	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	4,266	4,511	-5.4%	0	0	3,954	4,188	312	323	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	2,788	3,045	-8.4%	0	0	2,788	3,045	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	647	602	7.4%	0	0	647	602	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	831	863	-3.8%	0	0	519	540	312	322	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	7	10	-33.0%	0	0	0	0	0	0	7	10
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	7	10	-33.0%	0	0	0	0	0	0	7	10
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	2	2	-6.5%	0	0	2	2	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	2	2	-6.5%	0	0	2	2	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	610	667	-8.5%	0	0	610	667	0	0	0	0
California	408	422	-3.2%	0	0	408	422	0	0	0	0
Oregon	76	98	-22.0%	0	0	76	98	0	0	0	0
Washington	125	147	-15.0%	0	0	125	147	0	0	0	0
Pacific Noncontiguous	311	229	36.0%	0	0	0	0	311	229	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	311	229	36.0%	0	0	0	0	311	229	0	0
U.S. Total	13,145	14,117	-6.9%	382	352	10,921	11,824	1,835	1,931	7	10

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 for 2013 are preliminary. Values for 2012 are final. 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, 2003 - October 2013

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									
2003	121,567	45,752	1,484	97,831	28,062	378	23,736	17,691	1,105
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
2011, End of Month Stocks									
January	164,575	35,116	799	134,983	24,759	657	29,591	10,357	142
February	161,064	34,662	707	131,893	24,552	594	29,171	10,110	113
March	166,255	34,318	495	135,359	24,448	437	30,896	9,870	59
April	173,427	33,895	526	141,094	24,222	463	32,334	9,672	63
May	174,093	33,745	563	140,536	24,187	490	33,557	9,557	73
June	165,149	35,339	496	133,988	25,847	433	31,161	9,492	64
July	147,296	34,903	463	120,226	25,535	411	27,070	9,368	52
August	138,527	34,637	437	113,210	25,297	379	25,317	9,339	58
Sept	143,711	34,666	385	118,038	25,313	332	25,673	9,353	53
October	156,196	35,293	440	128,170	25,756	346	28,026	9,536	94
November	167,754	35,437	494	137,122	25,967	391	30,632	9,470	102
December	172,387	34,847	508	142,103	25,648	404	30,284	9,198	104
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

Notes: See Glossary for definitions. Values for 2012 and prior years are final. Values for 2013 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, October 2013 and 2012**

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	October 2013	October 2012	Percentage Change	October 2013	October 2012	Percentage Change	October 2013	October 2012	Percentage Change
New England	1,283	1,058	21.0%	3,495	2,064	69.0%	0	0	--
Connecticut	W	W	W	1,221	903	35.0%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	W	W	W	1,466	769	91.0%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	0	0	--	W	W	W	0	0	--
Vermont	0	0	--	39	47	-17.0%	0	0	--
Middle Atlantic	6,162	7,195	-14.0%	4,656	5,526	-16.0%	W	W	W
New Jersey	998	885	13.0%	819	1,062	-23.0%	0	0	--
New York	490	484	1.3%	3,134	3,520	-11.0%	0	0	--
Pennsylvania	4,674	5,826	-20.0%	702	943	-26.0%	W	W	W
East North Central	29,814	39,108	-24.0%	1,102	1,320	-17.0%	77	W	W
Illinois	6,288	9,829	-36.0%	95	117	-19.0%	0	0	--
Indiana	8,316	9,576	-13.0%	104	111	-5.8%	0	0	--
Michigan	6,148	6,822	-9.9%	416	529	-21.0%	W	W	W
Ohio	5,051	7,395	-32.0%	267	329	-19.0%	W	0	W
Wisconsin	4,010	5,485	-27.0%	220	235	-6.4%	W	W	W
West North Central	24,314	31,403	-23.0%	964	1,076	-10.0%	0	0	--
Iowa	7,114	8,587	-17.0%	135	145	-7.0%	0	0	--
Kansas	3,055	4,276	-29.0%	151	182	-17.0%	0	0	--
Minnesota	W	2,885	W	149	186	-20.0%	0	0	--
Missouri	7,618	10,117	-25.0%	296	316	-6.2%	0	0	--
Nebraska	2,826	3,596	-21.0%	119	129	-7.4%	0	0	--
North Dakota	1,134	W	W	42	34	22.0%	0	0	--
South Dakota	W	W	W	71	83	-15.0%	0	0	--
South Atlantic	32,692	37,274	-12.0%	12,680	13,393	-5.3%	W	W	W
Delaware	W	W	W	369	389	-5.1%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	5,092	5,196	-2.0%	6,476	6,883	-5.9%	W	W	W
Georgia	8,474	9,079	-6.7%	902	918	-1.7%	0	0	--
Maryland	1,507	1,290	17.0%	757	795	-4.8%	0	0	--
North Carolina	5,433	7,111	-24.0%	1,077	1,140	-5.5%	0	0	--
South Carolina	5,279	W	W	596	641	-7.0%	0	W	W
Virginia	W	W	W	2,335	2,464	-5.2%	0	0	--
West Virginia	5,366	5,922	-9.4%	168	164	2.3%	W	W	W
East South Central	16,376	19,736	-17.0%	1,988	1,919	3.6%	W	W	W
Alabama	3,954	6,312	-37.0%	305	290	5.0%	0	0	--
Kentucky	7,681	8,481	-9.4%	257	258	-0.4%	W	W	W
Mississippi	1,527	1,844	-17.0%	567	559	1.4%	0	0	--
Tennessee	3,214	3,099	3.7%	860	811	6.0%	0	0	--
West South Central	24,332	27,094	-10.0%	2,319	2,500	-7.2%	W	W	W
Arkansas	2,914	3,677	-21.0%	W	168	W	0	0	--
Louisiana	3,786	3,404	11.0%	644	674	-4.4%	W	W	W
Oklahoma	3,228	4,386	-26.0%	W	212	W	0	0	--
Texas	14,403	15,628	-7.8%	1,352	1,446	-6.5%	W	W	W
Mountain	17,039	21,218	-20.0%	639	679	-5.9%	W	W	W
Arizona	2,902	4,268	-32.0%	207	218	-4.7%	0	0	--
Colorado	3,727	4,240	-12.0%	120	144	-17.0%	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	815	W	W	179	180	-0.3%	0	0	--
New Mexico	W	W	W	42	44	-4.9%	0	0	--
Utah	4,497	4,997	-10.0%	44	46	-4.0%	0	0	--
Wyoming	3,143	4,061	-23.0%	31	30	2.5%	0	0	--
Pacific Contiguous	W	W	W	378	385	-1.8%	W	10	W
California	W	W	W	185	206	-10.0%	W	10	W
Oregon	W	W	W	W	W	W	0	0	--
Washington	W	W	W	W	W	W	0	0	--
Pacific Noncontiguous	W	W	W	2,266	3,319	-32.0%	0	0	--
Alaska	W	W	W	65	290	-78.0%	0	0	--
Hawaii	W	W	W	2,201	3,029	-27.0%	0	0	--
U.S. Total	153,352	186,396	-18.0%	30,487	32,182	-5.3%	291	406	-28.0%

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 for 2013 are preliminary. Values for 2012 are final. 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, October 2013 and 2012**

Census Division	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012
Coal (Thousand Tons)							
New England	1,283	1,058	21.3%	W	W	W	W
Middle Atlantic	6,162	7,195	-14.4%	0	W	6,162	W
East North Central	29,814	39,108	-23.8%	23,538	28,133	6,276	10,975
West North Central	24,314	31,403	-22.6%	24,314	31,403	0	0
South Atlantic	32,692	37,274	-12.3%	29,679	34,112	3,013	3,162
East South Central	16,376	19,736	-17.0%	16,376	W	0	W
West South Central	24,332	27,094	-10.2%	14,005	16,257	10,327	10,837
Mountain	17,039	21,218	-19.7%	15,893	20,048	1,146	1,170
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	153,352	186,396	-17.7%	125,321	151,418	28,031	34,978
Petroleum Liquids (Thousand Barrels)							
New England	3,495	2,064	69.3%	593	W	2,901	W
Middle Atlantic	4,656	5,526	-15.7%	2,043	2,498	2,613	3,028
East North Central	1,102	1,320	-16.5%	883	1,091	219	230
West North Central	964	1,076	-10.4%	938	1,045	26	31
South Atlantic	12,680	13,393	-5.3%	10,444	W	2,235	W
East South Central	1,988	1,919	3.6%	W	W	W	W
West South Central	2,319	2,500	-7.2%	1,730	W	589	W
Mountain	639	679	-5.9%	W	607	W	71
Pacific Contiguous	378	385	-1.8%	W	327	W	58
Pacific Noncontiguous	2,266	3,319	-31.7%	W	W	W	W
U.S. Total	30,487	32,182	-5.3%	21,734	24,078	8,752	8,104
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	77	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	W	W
Mountain	W	W	W	0	0	W	W
Pacific Contiguous	W	10	W	0	0	W	10
Pacific Noncontiguous	0	0	--	0	0	0	0
U.S. Total	291	406	-28.4%	214	339	77	67

W = Withheld to avoid disclosure of individual company data.

Notes: See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. 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, 2003 - October 2013

Period	Electric Power Sector			Total
	Bituminous Coal	Subbituminous Coal	Lignite Coal	
End of Year Stocks				
2003	57,716	59,884	3,967	121,567
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
2011, End of Month Stocks				
January	76,100	82,111	6,364	164,575
February	75,549	79,101	6,414	161,064
March	77,414	82,337	6,504	166,255
April	79,734	86,900	6,793	173,427
May	79,250	88,099	6,744	174,093
June	75,011	83,599	6,539	165,149
July	66,549	74,518	6,229	147,296
August	64,584	67,775	6,168	138,527
Sept	66,763	70,804	6,144	143,711
October	74,236	75,766	6,193	156,196
November	79,726	81,302	6,726	167,754
December	82,056	85,151	5,179	172,387
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

Notes: See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 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), 2003 - October 2013

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												
2003	19,989,772	986,026	1.28	26.00	0.97	95.6	980,983	156,338	4.94	31.02	0.83	82.6
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
2011												
January	1,608,143	82,379	2.32	45.39	1.17	89.3	22,658	3,777	16.79	100.70	0.66	97.8
February	1,454,404	73,875	2.35	46.29	1.23	97.9	15,830	2,657	17.98	107.13	0.65	108.6
March	1,568,826	80,619	2.34	45.54	1.14	108.2	18,710	3,111	19.48	117.17	0.61	124.8
April	1,466,038	75,032	2.38	46.45	1.16	109.0	17,501	2,907	20.17	121.42	0.44	106.2
May	1,488,896	75,680	2.43	47.81	1.21	100.5	22,348	3,663	19.03	116.10	0.79	142.1
June	1,496,612	76,186	2.40	47.12	1.21	88.7	21,398	3,546	21.43	129.32	0.67	134.2
July	1,529,732	78,057	2.44	47.87	1.20	81.2	17,161	2,880	21.34	127.15	0.50	90.1
August	1,686,433	85,712	2.47	48.56	1.21	91.1	14,448	2,409	19.26	115.53	0.53	93.6
Sept	1,638,224	84,092	2.44	47.44	1.19	107.2	14,745	2,463	20.87	124.97	0.57	116.5
October	1,621,860	83,268	2.39	46.52	1.18	116.8	19,618	3,265	20.99	126.11	0.53	152.2
November	1,545,153	79,934	2.37	45.76	1.18	116.3	17,081	2,898	21.12	124.45	0.54	136.5
December	1,571,522	81,704	2.34	45.06	1.17	108.3	15,253	2,582	21.73	128.38	0.57	115.4
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
Sept	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
Sept	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
Year to Date												
2011	15,559,168	794,900	2.40	46.91	1.19	97.9	184,418	30,678	19.69	118.34	0.60	114.5
2012	13,507,308	698,297	2.39	46.19	1.24	100.0	97,541	16,199	21.94	132.14	0.51	75.2
2013	12,991,168	669,998	2.35	45.55	1.30	91.4	99,797	16,431	20.58	125.03	0.46	77.2
Rolling 12 Months Ending in October												
2012	16,623,983	859,935	2.38	46.04	1.23	102.0	129,875	21,679	21.81	130.66	0.52	83.7
2013	15,749,438	812,885	2.35	45.56	1.29	92.4	119,193	19,696	20.71	125.37	0.47	77.4

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

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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 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), 2003 - October 2013 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			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	(Dollars per MMBtu)
Annual Totals												
2003	165,378	5,846	0.72	20.39	5.31	82.7	5,663,023	5,500,704	5.39	5.55	86.8	2.28
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
2011												
January	12,896	454	3.13	88.98	5.00	70.4	680,054	665,974	5.39	5.50	104.6	3.37
February	11,527	403	2.84	81.35	5.04	77.4	609,064	595,778	5.09	5.20	104.5	3.27
March	12,293	426	3.09	89.22	4.93	70.8	606,123	593,446	4.64	4.73	104.2	3.12
April	12,668	442	3.20	91.85	4.64	103.3	650,493	637,322	4.86	4.96	104.5	3.28
May	13,128	459	3.31	94.62	4.73	101.5	706,626	692,561	4.89	4.98	104.0	3.38
June	13,265	461	2.78	79.94	5.01	88.6	837,715	820,788	5.04	5.15	103.4	3.51
July	17,899	622	3.30	94.84	4.84	103.9	1,093,652	1,070,256	4.98	5.08	102.4	3.61
August	16,950	592	3.08	88.16	5.15	108.6	1,085,691	1,062,490	4.73	4.83	103.2	3.43
Sept	16,087	562	2.93	83.88	5.13	103.2	833,540	814,910	4.56	4.66	104.2	3.25
October	15,481	541	3.32	94.90	5.12	126.3	710,451	695,275	4.33	4.43	104.4	3.13
November	13,235	464	2.58	73.69	5.26	134.6	676,984	662,933	4.10	4.19	104.3	3.03
December	15,672	554	2.74	77.61	5.14	120.4	760,258	744,430	4.04	4.12	103.7	3.02
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
Year to Date												
2011	142,193	4,963	3.11	89.02	4.97	93.9	7,813,410	7,648,801	4.84	4.95	103.8	3.34
2012	95,675	3,338	2.28	65.56	5.53	80.2	8,462,825	8,276,340	3.30	3.37	92.1	2.80
2013	108,026	3,790	2.19	62.69	5.40	74.2	7,326,302	7,146,692	4.28	4.39	90.2	3.09
Rolling 12 Months Ending in October												
2012	124,582	4,355	2.37	67.96	5.45	87.7	9,900,067	9,683,703	3.41	3.49	93.7	--
2013	132,019	4,632	W	W	5.44	77.6	8,610,168	8,401,741	4.27	4.38	90.2	W

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W = Withheld to avoid disclosure of individual company data.

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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 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2003 - October 2013

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												
2003	15,292,394	746,594	1.26	25.82	0.91	98.6	605,651	95,534	4.68	29.66	0.95	90.7
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
2011												
January	1,181,833	59,577	2.34	46.34	1.15	90.2	14,279	2,372	16.98	102.20	0.53	107.5
February	1,078,032	54,003	2.36	47.10	1.20	99.2	9,943	1,659	18.27	109.47	0.47	104.4
March	1,163,288	58,858	2.35	46.35	1.12	108.8	13,842	2,284	19.55	118.45	0.52	131.5
April	1,093,579	55,135	2.39	47.33	1.14	111.5	11,543	1,898	20.30	123.47	0.40	90.8
May	1,100,898	55,254	2.44	48.70	1.16	100.5	16,158	2,618	19.03	117.46	0.75	138.8
June	1,123,670	56,315	2.39	47.78	1.20	89.8	15,427	2,528	21.88	133.55	0.66	144.9
July	1,135,869	56,951	2.45	48.91	1.18	81.4	9,455	1,569	21.86	131.77	0.47	82.3
August	1,252,336	62,531	2.49	49.81	1.18	91.8	9,575	1,579	20.63	125.10	0.43	90.3
Sept	1,217,947	61,325	2.46	48.78	1.17	109.8	10,186	1,683	20.94	126.69	0.49	118.0
October	1,200,982	60,696	2.41	47.77	1.14	119.9	13,068	2,171	21.63	130.21	0.48	146.6
November	1,145,469	58,329	2.39	46.88	1.15	119.3	11,052	1,853	21.75	129.72	0.48	124.5
December	1,177,657	60,381	2.37	46.18	1.14	111.5	9,729	1,645	21.94	129.73	0.48	106.9
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	9,357	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	75.6
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	95.1
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
Year to Date												
2011	11,548,433	580,643	2.41	47.90	1.16	99.0	123,474	20,361	20.04	121.52	0.54	114.3
2012	9,942,618	507,149	2.43	47.67	1.19	99.5	72,977	12,071	22.15	133.93	0.41	81.0
2013	9,580,525	489,354	2.38	46.63	1.23	91.8	64,592	10,586	20.99	128.04	0.43	76.9
Rolling 12 Months Ending in October												
2012	12,265,743	625,859	2.42	47.45	1.18	102.1	93,758	15,569	22.08	132.98	0.43	86.9
2013	11,577,451	591,650	2.38	46.65	1.22	92.6	77,644	12,768	21.13	128.51	0.42	77.9

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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, 2003 - October 2013 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			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	(Dollars per MMBtu)
Annual Totals												
2003	89,618	3,165	0.74	20.94	5.51	124.0	1,486,088	1,439,513	5.59	5.77	81.6	1.74
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
2011												
January	8,049	282	3.35	95.62	5.29	70.5	250,362	245,767	5.49	5.59	103.0	3.03
February	7,252	252	3.02	87.15	5.43	85.3	219,131	214,884	5.34	5.45	102.9	2.98
March	7,009	241	3.32	96.60	5.70	70.2	224,855	220,793	4.95	5.04	101.5	2.93
April	7,274	252	3.52	101.68	5.20	115.4	255,479	251,362	5.19	5.27	103.1	3.07
May	7,519	261	3.57	102.83	5.01	112.7	278,209	273,629	5.17	5.25	101.8	3.18
June	8,072	278	2.85	82.53	5.08	92.2	341,274	335,202	5.28	5.37	101.5	3.26
July	10,742	374	3.41	98.06	4.79	104.0	443,001	434,122	5.11	5.22	100.9	3.31
August	10,040	349	3.18	91.43	5.26	105.9	434,451	425,557	4.97	5.07	101.1	3.22
Sept	9,822	341	2.94	84.64	5.14	102.3	316,215	311,382	4.89	4.97	101.5	3.08
October	8,352	289	3.23	93.48	5.11	126.2	275,463	270,541	4.71	4.80	101.4	3.01
November	7,303	253	2.11	60.87	5.15	163.4	250,718	246,675	4.50	4.57	101.8	2.91
December	7,774	273	2.34	66.68	5.09	108.4	282,188	277,700	4.40	4.47	102.5	2.88
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
Year to Date												
2011	84,131	2,919	3.23	93.21	5.17	96.0	3,038,442	2,983,238	5.10	5.19	101.7	3.11
2012	58,587	2,024	2.37	68.49	5.44	115.0	3,543,113	3,472,762	3.62	3.70	97.6	2.84
2013	81,818	2,858	2.15	61.59	5.28	97.9	3,173,397	3,104,178	4.46	4.56	97.0	2.98
Rolling 12 Months Ending in October												
2012	73,664	2,550	2.34	67.54	5.37	117.7	4,076,019	3,997,137	3.73	3.81	98.1	--
2013	96,013	3,355	2.13	61.04	5.32	102.8	3,713,863	3,634,873	4.46	4.56	97.1	--

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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 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2003 - October 2013

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												
2003	4,365,996	223,984	1.34	26.20	1.15	90.4	347,546	56,138	5.41	33.50	0.58	89.7
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
2011												
January	381,239	20,717	2.23	40.96	1.20	86.5	4,653	783	17.44	103.58	0.56	71.2
February	336,384	18,030	2.26	42.18	1.29	94.7	3,276	560	18.64	108.99	0.77	118.7
March	363,257	19,787	2.26	41.58	1.19	107.9	2,270	392	21.18	122.73	0.55	92.1
April	330,831	17,944	2.28	42.03	1.21	102.6	3,235	550	21.43	126.18	0.27	144.8
May	348,283	18,569	2.32	43.58	1.33	101.0	2,752	466	21.66	127.89	0.59	108.5
June	330,390	17,898	2.34	43.25	1.23	84.4	3,232	553	20.81	121.69	0.48	87.0
July	351,423	19,120	2.35	43.14	1.24	79.4	5,604	955	21.18	124.33	0.40	91.4
August	386,958	20,994	2.34	43.11	1.26	87.9	2,883	497	16.66	96.71	0.49	86.7
Sept	377,183	20,755	2.31	42.04	1.25	100.2	2,674	462	22.29	129.10	0.53	107.1
October	379,229	20,611	2.25	41.35	1.27	109.6	3,946	655	20.28	122.12	0.52	178.5
November	357,960	19,649	2.24	40.77	1.24	108.9	3,617	635	20.57	117.22	0.44	175.8
December	349,148	19,221	2.18	39.64	1.23	100.0	3,457	589	22.35	131.11	0.47	140.6
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	193.9
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
Year to Date												
2011	3,585,176	194,424	2.29	42.30	1.25	94.4	34,525	5,872	20.07	117.99	0.51	100.3
2012	3,323,066	179,963	2.21	40.81	1.40	105.2	18,539	3,145	22.72	134.03	0.43	78.2
2013	3,245,174	173,338	2.21	41.42	1.49	94.8	33,373	5,548	19.90	119.82	0.44	105.8
Rolling 12 Months Ending in October												
2012	4,030,174	218,834	2.21	40.71	1.37	105.0	25,613	4,369	W	W	0.44	91.0
2013	3,958,544	211,715	2.21	41.42	1.48	96.3	38,756	6,476	W	W	0.45	102.4

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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.

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Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2003 - October 2013 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			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	(Dollars per MMBtu)
Annual Totals												
2003	59,377	2,086	0.60	17.16	4.88	64.3	3,335,086	3,244,368	5.33	5.48	96.2	3.15
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
2011												
January	1,730	60	W	W	4.24	46.8	309,865	303,301	5.59	5.71	100.7	W
February	1,809	64	W	W	4.21	52.2	283,811	277,469	5.06	5.17	100.9	W
March	2,563	89	W	W	3.37	54.8	271,713	265,931	4.57	4.67	100.6	W
April	3,046	106	2.36	67.43	3.57	103.0	284,857	278,599	4.71	4.82	100.4	3.49
May	3,339	116	2.44	70.04	4.01	103.9	312,436	305,861	4.75	4.85	100.9	3.54
June	2,623	92	1.99	56.95	4.81	78.6	379,462	371,553	4.95	5.05	100.7	3.80
July	3,119	107	2.39	69.60	4.60	75.3	520,203	508,834	4.94	5.05	100.1	4.00
August	3,166	110	W	W	4.84	90.6	515,581	504,743	4.57	4.67	100.9	W
Sept	2,511	88	W	W	4.87	83.4	391,415	382,298	4.39	4.49	101.3	W
October	3,603	126	W	W	5.08	139.5	320,549	313,229	4.12	4.22	101.6	W
November	2,652	94	W	W	5.52	108.9	308,988	301,865	3.92	4.01	100.5	W
December	3,483	123	W	W	5.08	125.6	353,160	344,934	3.86	3.95	100.6	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
Year to Date												
2011	27,508	958	2.39	68.63	4.39	79.6	3,589,892	3,511,818	4.76	4.86	100.8	3.60
2012	18,465	643	0.87	25.26	5.50	86.8	4,213,059	4,114,613	3.04	3.12	94.1	2.68
2013	13,122	467	W	W	5.39	61.6	3,533,738	3,441,370	4.19	4.30	93.2	W
Rolling 12 Months Ending in October												
2012	24,601	859	W	W	5.44	92.9	4,875,207	4,761,411	3.16	3.23	94.9	W
2013	17,680	625	W	W	5.41	70.5	4,131,232	4,023,393	4.17	4.28	92.9	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, 2003 - October 2013

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												
2003	8,835	372	1.99	47.24	2.43	20.5	248	43	7.00	40.82	0.04	3.1
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
2011												
January	3,297	155	2.80	59.41	1.84	82.3	NM	NM	NM	NM	0.62	49.1
February	3,289	154	2.88	61.47	1.79	88.9	NM	NM	NM	NM	0.63	104.3
March	3,388	161	2.79	58.87	1.74	97.7	NM	NM	NM	NM	0.55	165.7
April	2,649	126	2.79	58.65	1.92	101.9	NM	NM	NM	NM	0.30	160.4
May	2,730	127	3.08	66.22	1.75	102.4	NM	NM	NM	NM	0.72	127.4
June	3,222	147	3.16	68.99	1.79	113.1	NM	NM	NM	NM	0.65	215.3
July	2,954	137	3.04	65.63	1.90	94.3	NM	NM	NM	NM	0.43	171.7
August	2,881	132	3.12	68.18	1.88	101.9	NM	NM	NM	NM	0.51	126.1
Sept	2,710	126	3.01	64.84	1.80	102.8	NM	NM	NM	NM	0.53	71.7
October	2,789	136	2.74	56.21	1.56	123.7	NM	NM	NM	NM	0.52	225.0
November	2,922	140	2.82	58.95	1.72	119.0	NM	NM	NM	NM	0.52	101.0
December	3,061	145	2.87	60.55	1.71	104.4	NM	NM	NM	NM	0.51	163.2
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
Year to Date												
2011	29,910	1,401	2.94	62.74	1.80	99.3	1,701	282	19.38	117.08	0.56	106.2
2012	3,536	153	3.54	81.82	2.64	12.9	210	37	W	W	0.00	11.2
2013	3,050	131	W	W	2.99	11.3	0	0	--	--	--	0.0
Rolling 12 Months Ending in October												
2012	9,518	438	W	W	2.04	30.4	NM	NM	W	W	0.28	21.8
2013	3,941	170	W	W	3.03	12.0	36	6	W	W	0.00	1.5

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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 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2003 - October 2013 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			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	(Dollars per MMBtu)
Annual Totals												
2003	0	0	--	--	--	0.0	18,169	17,827	4.96	5.06	30.5	4.02
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
2011												
January	42	1	W	W	5.16	98.3	NM	NM	6.00	6.13	107.7	W
February	36	1	W	W	5.29	105.1	NM	NM	5.76	5.88	108.6	W
March	34	1	W	W	5.54	81.8	NM	NM	5.46	5.58	107.0	W
April	NM	NM	W	W	5.45	0.0	NM	NM	5.40	5.52	106.3	W
May	NM	NM	W	W	5.83	0.0	NM	NM	5.28	5.39	105.7	W
June	NM	NM	W	W	5.83	0.0	NM	NM	5.40	5.51	106.3	W
July	NM	NM	W	W	5.83	0.0	NM	NM	5.24	5.35	104.5	W
August	NM	NM	W	W	5.83	0.0	NM	NM	5.09	5.20	106.4	W
Sept	NM	NM	W	W	5.83	0.0	NM	NM	4.92	5.04	108.2	W
October	NM	NM	W	W	5.27	0.0	NM	NM	4.87	4.98	107.5	W
November	NM	NM	W	W	5.34	62.8	NM	NM	4.68	4.77	110.3	W
December	44	2	W	W	5.29	98.8	NM	NM	4.61	4.70	109.0	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
Year to Date												
2011	212	7	W	W	5.50	179.9	77,931	76,297	5.32	5.44	106.7	W
2012	0	0	--	--	--	0.0	15,024	14,777	5.79	5.89	15.7	W
2013	0	0	--	--	--	0.0	4,369	4,334	W	W	5.0	W
Rolling 12 Months Ending in October												
2012	NM	NM	W	W	5.30	16.3	NM	NM	5.18	5.27	28.9	W
2013	0	0	--	--	--	0.0	7,660	7,564	W	W	7.3	W

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Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2003 - October 2013

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												
2003	322,547	15,076	1.45	31.01	1.37	60.7	27,538	4,624	4.85	28.86	1.25	23.2
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
2011												
January	41,774	1,929	2.88	62.38	1.31	92.7	3,443	575	15.11	90.47	1.33	124.6
February	36,699	1,689	2.89	62.91	1.34	93.8	2,346	394	15.91	94.86	1.27	114.7
March	38,893	1,813	2.86	61.26	1.36	95.8	2,408	404	17.46	104.16	1.17	129.5
April	38,978	1,827	2.93	62.47	1.28	102.3	2,648	446	17.97	106.58	0.86	173.1
May	36,984	1,731	2.97	63.47	1.27	94.3	NM	NM	NM	NM	1.16	225.1
June	39,329	1,826	2.93	63.01	1.34	99.1	2,628	447	19.51	114.66	0.94	176.7
July	39,487	1,850	2.96	63.18	1.32	95.1	1,869	318	19.19	112.81	0.99	141.5
August	44,259	2,057	3.01	64.88	1.36	104.8	1,840	308	16.33	97.49	1.08	132.6
Sept	40,384	1,886	2.91	62.21	1.35	105.5	1,785	301	18.39	109.02	1.02	129.7
October	38,861	1,824	2.94	62.68	1.30	104.4	2,410	407	18.70	110.71	0.87	143.6
November	38,803	1,816	2.94	62.81	1.39	106.1	NM	NM	18.91	110.85	0.99	154.1
December	41,657	1,957	2.96	62.90	1.33	101.7	1,957	329	19.58	116.55	1.15	122.4
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
Year to Date												
2011	395,648	18,432	2.93	62.86	1.32	98.7	24,718	4,163	17.41	103.35	1.08	146.0
2012	238,088	11,032	3.02	65.11	1.34	66.2	5,815	947	W	W	1.50	41.3
2013	162,418	7,175	W	W	1.49	44.4	1,832	297	18.29	112.85	1.68	15.6
Rolling 12 Months Ending in October												
2012	318,547	14,805	W	W	1.34	72.9	NM	NM	W	W	1.31	59.1
2013	209,503	9,349	W	W	1.45	47.8	2,756	445	W	W	1.65	19.4

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See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 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, 2003 - October 2013 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average Cost			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	(Dollars per MMBtu)
Annual Totals												
2003	16,383	594	1.04	28.74	5.73	47.3	823,681	798,996	5.32	5.48	69.9	4.20
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
2011												
January	3,075	110	3.16	88.56	4.70	96.3	112,015	109,254	4.54	4.65	122.0	4.31
February	2,430	86	2.99	83.98	4.66	84.3	99,431	96,876	4.55	4.67	120.3	4.28
March	2,687	95	3.24	91.51	4.75	100.0	102,958	100,259	4.08	4.19	122.8	3.96
April	2,336	83	W	W	4.46	78.3	103,922	101,255	4.43	4.55	122.0	W
May	2,259	81	W	W	4.97	74.5	108,328	105,579	4.53	4.65	121.4	W
June	2,558	91	W	W	5.03	88.9	109,529	106,731	4.61	4.74	121.7	W
July	4,019	141	W	W	5.13	144.0	120,609	117,663	4.62	4.73	121.0	W
August	3,728	132	W	W	5.17	140.7	126,012	122,745	4.48	4.60	123.4	W
Sept	3,738	132	W	W	5.27	125.0	117,462	112,976	4.19	4.36	124.7	W
October	3,512	126	W	W	5.17	114.9	106,879	104,110	3.96	4.06	123.2	W
November	3,267	117	W	W	5.29	113.3	109,257	106,529	3.69	3.78	123.8	W
December	4,372	156	W	W	5.25	143.8	115,575	112,652	3.67	3.76	117.9	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
Year to Date												
2011	30,342	1,078	W	W	4.97	104.0	1,107,145	1,077,447	4.40	4.52	122.3	W
2012	18,622	671	2.65	73.50	5.82	40.7	691,629	674,188	2.82	2.89	70.4	W
2013	13,087	465	W	W	6.13	32.8	614,797	596,810	W	W	63.1	W
Rolling 12 Months Ending in October												
2012	26,261	944	W	W	5.66	50.7	916,461	893,369	3.03	3.11	78.4	W
2013	18,326	652	W	W	6.10	36.2	757,413	735,910	W	W	64.7	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 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, October 2013 and 2012
(Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	149	104	43.0%	8	18	139	85	0	0	1	1
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	3	6	-49.0%	0	0	2	5	0	0	1	1
Massachusetts	137	80	72.0%	0	0	137	80	0	0	0	0
New Hampshire	8	18	-54.0%	8	18	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	2,592	4,011	-35.0%	0	0	2,544	3,928	0	0	48	83
New Jersey	108	97	11.0%	0	0	108	97	0	0	0	0
New York	123	231	-47.0%	0	0	82	199	0	0	41	31
Pennsylvania	2,361	3,684	-36.0%	0	0	2,354	3,631	0	0	8	52
East North Central	15,680	15,575	0.7%	10,176	10,245	5,286	5,014	0	1	218	316
Illinois	4,977	5,413	-8.0%	526	627	4,311	4,589	0	1	140	196
Indiana	2,976	3,226	-7.8%	2,729	3,003	246	224	0	0	0	0
Michigan	2,636	2,682	-1.7%	2,617	2,665	12	10	0	0	7	8
Ohio	3,123	2,377	31.0%	2,388	2,165	717	192	0	0	17	20
Wisconsin	1,968	1,877	4.8%	1,915	1,786	0	0	0	0	53	92
West North Central	9,628	11,026	-13.0%	9,511	10,746	0	0	3	6	114	273
Iowa	1,320	1,841	-28.0%	1,205	1,665	0	0	0	0	114	176
Kansas	1,262	1,417	-11.0%	1,262	1,417	0	0	0	0	0	0
Minnesota	1,025	1,166	-12.0%	1,025	1,130	0	0	0	0	0	35
Missouri	3,036	3,311	-8.3%	3,033	3,305	0	0	3	6	0	0
Nebraska	1,106	1,271	-13.0%	1,106	1,208	0	0	0	0	0	62
North Dakota	1,766	1,853	-4.7%	1,766	1,853	0	0	0	0	0	0
South Dakota	113	167	-32.0%	113	167	0	0	0	0	0	0
South Atlantic	9,701	10,138	-4.3%	7,445	8,006	2,108	1,934	0	0	148	199
Delaware	46	89	-48.0%	0	0	46	89	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,629	1,673	-2.7%	1,577	1,573	52	78	0	0	0	22
Georgia	1,783	1,894	-5.9%	1,750	1,859	0	0	0	0	32	35
Maryland	709	581	22.0%	0	0	683	545	0	0	27	35
North Carolina	1,148	1,895	-39.0%	1,148	1,792	0	67	0	0	0	37
South Carolina	737	804	-8.4%	717	795	0	0	0	0	20	9
Virginia	739	449	65.0%	645	388	54	22	0	0	39	39
West Virginia	2,910	2,753	5.7%	1,607	1,599	1,273	1,133	0	0	30	22
East South Central	7,327	7,427	-1.3%	6,923	7,124	266	167	0	0	138	136
Alabama	2,181	2,308	-5.5%	2,181	2,301	0	0	0	0	0	7
Kentucky	3,474	3,348	3.8%	3,474	3,348	0	0	0	0	0	0
Mississippi	428	352	21.0%	162	185	266	167	0	0	0	0
Tennessee	1,244	1,418	-12.0%	1,106	1,290	0	0	0	0	138	129
West South Central	11,188	13,102	-15.0%	5,711	6,260	5,478	6,800	0	0	0	42
Arkansas	1,671	1,265	32.0%	1,457	1,035	214	231	0	0	0	0
Louisiana	1,015	1,480	-31.0%	394	690	621	790	0	0	0	0
Oklahoma	994	1,659	-40.0%	894	1,488	99	129	0	0	0	42
Texas	7,509	8,698	-14.0%	2,965	3,047	4,544	5,651	0	0	0	0
Mountain	8,981	10,296	-13.0%	8,299	9,103	669	1,177	0	0	13	15
Arizona	1,949	2,058	-5.3%	1,949	2,058	0	0	0	0	0	0
Colorado	1,511	1,741	-13.0%	1,511	1,741	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	592	1,033	-43.0%	0	29	592	1,004	0	0	0	0
Nevada	246	123	99.0%	169	48	77	76	0	0	0	0
New Mexico	1,177	1,260	-6.6%	1,177	1,260	0	0	0	0	0	0
Utah	1,374	1,574	-13.0%	1,360	1,508	0	51	0	0	13	15
Wyoming	2,131	2,506	-15.0%	2,131	2,459	0	47	0	0	0	0
Pacific Contiguous	700	687	1.9%	148	250	496	385	0	0	55	51
California	55	66	-17.0%	0	0	0	22	0	0	55	44
Oregon	148	250	-41.0%	148	250	0	0	0	0	0	0
Washington	496	370	34.0%	0	0	496	364	0	0	0	7
Pacific Noncontiguous	59	59	0.9%	0	0	59	59	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	59	59	0.9%	0	0	59	59	0	0	0	0
U.S. Total	66,005	72,425	-8.9%	48,221	51,751	17,045	19,549	3	7	736	1,117

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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) October 2013 and 2012
(Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	2,347	795	195.0%	620	270	1,706	509	0	0	22	15
Connecticut	237	27	771.0%	0	0	237	27	0	0	0	0
Maine	50	40	26.0%	0	0	28	25	0	0	22	15
Massachusetts	1,440	458	215.0%	0	0	1,440	458	0	0	0	0
New Hampshire	620	270	130.0%	620	270	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	30,628	35,977	-15.0%	0	0	30,267	35,220	0	0	361	756
New Jersey	933	883	5.7%	0	0	933	883	0	0	0	0
New York	2,177	1,664	31.0%	0	0	1,886	1,388	0	0	292	277
Pennsylvania	27,518	33,430	-18.0%	0	0	27,449	32,950	0	0	69	480
East North Central	153,418	152,393	0.7%	101,109	97,173	49,942	52,451	58	93	2,310	2,676
Illinois	49,005	51,416	-4.7%	5,323	5,127	42,140	44,421	0	26	1,542	1,842
Indiana	30,023	30,491	-1.5%	27,966	28,169	2,057	2,322	0	0	0	0
Michigan	23,766	24,590	-3.4%	23,480	24,325	138	172	58	67	90	27
Ohio	31,709	29,552	7.3%	25,902	23,797	5,607	5,536	0	0	200	219
Wisconsin	18,915	16,343	16.0%	18,437	15,756	0	0	0	0	478	587
West North Central	107,164	116,321	-7.9%	106,020	113,508	0	0	74	60	1,070	2,753
Iowa	15,890	20,316	-22.0%	14,821	18,513	0	0	0	0	1,070	1,803
Kansas	15,261	15,315	-0.4%	15,261	15,315	0	0	0	0	0	0
Minnesota	9,904	10,564	-6.3%	9,904	10,246	0	0	0	0	0	319
Missouri	34,308	37,007	-7.3%	34,234	36,948	0	0	74	60	0	0
Nebraska	12,294	12,851	-4.3%	12,294	12,219	0	0	0	0	0	632
North Dakota	18,055	18,836	-4.1%	18,055	18,836	0	0	0	0	0	0
South Dakota	1,452	1,432	1.4%	1,452	1,432	0	0	0	0	0	0
South Atlantic	90,947	98,125	-7.3%	72,622	79,299	16,998	16,848	0	0	1,326	1,978
Delaware	488	489	-0.2%	0	0	488	489	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	16,127	15,063	7.1%	15,474	14,121	654	744	0	0	0	198
Georgia	15,956	19,636	-19.0%	15,656	19,313	0	0	0	0	300	324
Maryland	5,744	5,377	6.8%	0	0	5,468	5,053	0	0	276	324
North Carolina	12,574	16,692	-25.0%	12,574	15,778	0	589	0	0	0	325
South Carolina	7,519	9,836	-24.0%	7,400	9,662	0	27	0	0	119	147
Virginia	7,646	5,266	45.0%	6,771	4,372	491	514	0	0	384	380
West Virginia	24,891	25,767	-3.4%	14,746	16,054	9,897	9,431	0	0	248	281
East South Central	71,174	73,976	-3.8%	66,715	69,424	3,137	3,149	0	0	1,322	1,403
Alabama	18,416	20,767	-11.0%	18,416	20,689	0	0	0	0	0	78
Kentucky	32,143	32,931	-2.4%	32,143	32,931	0	0	0	0	0	0
Mississippi	4,970	5,416	-8.2%	1,833	2,266	3,137	3,149	0	0	0	0
Tennessee	15,645	14,863	5.3%	14,323	13,538	0	0	0	0	1,322	1,325
West South Central	122,609	126,521	-3.1%	62,406	64,994	60,202	61,109	0	0	0	417
Arkansas	14,337	14,005	2.4%	12,678	12,066	1,658	1,939	0	0	0	0
Louisiana	12,030	13,014	-7.6%	6,335	6,606	5,695	6,408	0	0	0	0
Oklahoma	13,831	16,352	-15.0%	12,917	14,914	913	1,022	0	0	0	417
Texas	82,411	83,149	-0.9%	30,475	31,408	51,936	51,741	0	0	0	0
Mountain	86,279	89,604	-3.7%	78,590	81,164	7,462	8,012	0	0	227	428
Arizona	17,971	19,470	-7.7%	17,971	19,262	0	0	0	0	0	208
Colorado	14,984	15,512	-3.4%	14,984	15,512	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	6,827	6,909	-1.2%	0	194	6,827	6,714	0	0	0	0
Nevada	1,987	2,008	-1.1%	1,352	1,496	635	512	0	0	0	0
New Mexico	11,945	12,069	-1.0%	11,945	12,069	0	0	0	0	0	0
Utah	11,872	11,610	2.3%	11,645	11,017	0	374	0	0	227	219
Wyoming	20,693	22,026	-6.1%	20,693	21,614	0	412	0	0	0	0
Pacific Contiguous	4,827	3,978	21.0%	1,273	1,316	3,017	2,056	0	0	538	606
California	685	786	-13.0%	0	0	148	261	0	0	538	525
Oregon	1,273	1,316	-3.3%	1,273	1,316	0	0	0	0	0	0
Washington	2,870	1,876	53.0%	0	0	2,870	1,795	0	0	0	81
Pacific Noncontiguous	606	608	-0.4%	0	0	606	608	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	606	608	-0.4%	0	0	606	608	0	0	0	0
U.S. Total	669,998	698,297	-4.1%	489,354	507,149	173,338	179,963	131	153	7,175	11,032

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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, October 2013 and 2012
(Thousand Barrels)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	449	25	NM	107	0	336	15	0	7	6	3
Connecticut	61	14	330.0%	0	0	61	14	0	0	0	0
Maine	115	3	NM	0	0	109	0	0	0	6	3
Massachusetts	250	7	NM	107	0	142	0	0	7	0	0
New Hampshire	23	0	NM	0	0	23	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	112	119	-5.7%	13	87	99	31	0	0	1	2
New Jersey	1	4	-69.0%	0	0	1	4	0	0	0	0
New York	87	92	-5.4%	13	87	73	4	0	0	1	1
Pennsylvania	24	23	4.5%	0	0	24	23	0	0	0	0
East North Central	78	93	-17.0%	59	74	14	13	0	0	4	7
Illinois	12	12	-6.3%	3	4	8	9	0	0	0	0
Indiana	22	20	8.7%	22	19	0	0	0	0	0	1
Michigan	21	15	41.0%	19	11	0	0	0	0	3	4
Ohio	18	42	-59.0%	10	37	6	4	0	0	2	1
Wisconsin	5	3	60.0%	5	3	0	0	0	0	0	0
West North Central	33	29	12.0%	33	29	0	0	0	0	0	0
Iowa	10	11	-7.1%	10	11	0	0	0	0	0	0
Kansas	4	7	-49.0%	4	7	0	0	0	0	0	0
Minnesota	5	4	41.0%	5	3	0	0	0	0	0	0
Missouri	4	6	-39.0%	4	6	0	0	0	0	0	0
Nebraska	3	1	189.0%	3	1	0	0	0	0	0	0
North Dakota	7	0	NM	7	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	110	190	-42.0%	102	99	5	39	0	0	3	51
Delaware	0	2	-100.0%	0	0	0	2	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	29	26	13.0%	29	19	0	1	0	0	0	5
Georgia	7	28	-75.0%	6	10	0	5	0	0	1	14
Maryland	4	5	-27.0%	0	0	4	3	0	0	0	2
North Carolina	11	29	-63.0%	11	18	0	0	0	0	0	11
South Carolina	8	24	-66.0%	7	7	0	0	0	0	1	17
Virginia	9	42	-79.0%	6	12	1	27	0	0	1	2
West Virginia	42	34	23.0%	42	34	0	0	0	0	0	0
East South Central	18	42	-58.0%	17	42	1	0	0	0	0	0
Alabama	5	7	-27.0%	4	7	1	0	0	0	0	0
Kentucky	9	21	-56.0%	9	21	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	4	14	-75.0%	4	14	0	0	0	0	0	0
West South Central	30	24	29.0%	14	8	16	16	0	0	0	0
Arkansas	7	7	2.9%	5	3	2	4	0	0	0	0
Louisiana	3	3	-13.0%	0	3	3	0	0	0	0	0
Oklahoma	1	1	-1.2%	1	1	0	0	0	0	0	0
Texas	20	13	56.0%	8	1	12	11	0	0	0	0
Mountain	27	28	-3.5%	26	23	2	5	0	0	0	0
Arizona	8	3	175.0%	8	3	0	0	0	0	0	0
Colorado	1	3	-81.0%	1	3	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	5	-73.0%	0	0	1	5	0	0	0	0
Nevada	4	2	77.0%	3	1	0	1	0	0	0	0
New Mexico	6	5	16.0%	6	5	0	0	0	0	0	0
Utah	2	4	-50.0%	2	4	0	0	0	0	0	0
Wyoming	5	6	-12.0%	5	6	0	0	0	0	0	0
Pacific Contiguous	1	17	-95.0%	0	9	1	8	0	0	0	0
California	0	11	-100.0%	0	6	0	5	0	0	0	0
Oregon	0	3	-100.0%	0	3	0	0	0	0	0	0
Washington	1	3	-65.0%	0	0	1	3	0	0	0	0
Pacific Noncontiguous	807	883	-8.7%	636	704	171	180	0	0	0	0
Alaska	0	61	-100.0%	0	61	0	0	0	0	0	0
Hawaii	807	822	-1.9%	636	642	171	180	0	0	0	0
U.S. Total	1,665	1,451	15.0%	1,008	1,074	644	306	0	7	14	64

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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) October 2013 and 2012
(Thousand Barrels)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	2,138	399	436.0%	341	14	1,775	223	0	32	22	129
Connecticut	208	133	56.0%	0	0	208	133	0	0	0	0
Maine	708	140	405.0%	0	0	686	11	0	0	22	129
Massachusetts	965	116	729.0%	127	5	837	79	0	32	0	0
New Hampshire	238	8	NM	214	8	23	0	0	0	0	0
Rhode Island	20	0	--	0	0	20	0	0	0	0	0
Vermont	0	1	-100.0%	0	1	0	0	0	0	0	0
Middle Atlantic	1,867	1,177	59.0%	439	483	1,408	683	0	0	19	10
New Jersey	49	37	32.0%	0	0	49	37	0	0	0	0
New York	1,431	784	82.0%	439	483	974	297	0	0	18	4
Pennsylvania	387	356	8.7%	0	0	386	349	0	0	1	7
East North Central	907	931	-2.6%	697	752	186	136	0	0	24	43
Illinois	109	105	3.9%	34	30	75	75	0	0	0	0
Indiana	197	187	5.7%	197	167	0	0	0	0	0	19
Michigan	191	181	5.3%	179	170	0	0	0	0	12	12
Ohio	348	413	-16.0%	229	344	109	59	0	0	10	10
Wisconsin	61	45	37.0%	58	41	2	3	0	0	2	1
West North Central	370	449	-18.0%	370	448	0	0	0	0	0	1
Iowa	91	147	-38.0%	91	147	0	0	0	0	0	0
Kansas	70	63	11.0%	70	63	0	0	0	0	0	0
Minnesota	33	21	57.0%	33	20	0	0	0	0	0	1
Missouri	82	140	-41.0%	82	140	0	0	0	0	0	0
Nebraska	27	25	7.6%	27	25	0	0	0	0	0	0
North Dakota	59	48	24.0%	59	48	0	0	0	0	0	0
South Dakota	7	5	52.0%	7	5	0	0	0	0	0	0
South Atlantic	2,227	2,698	-17.0%	1,678	1,628	317	316	0	4	232	751
Delaware	20	31	-33.0%	0	0	20	31	0	0	0	0
District of Columbia	0	7	-100.0%	0	0	0	7	0	0	0	0
Florida	757	674	12.0%	751	491	6	11	0	0	0	171
Georgia	205	356	-43.0%	120	204	4	5	0	0	81	146
Maryland	152	172	-12.0%	0	0	152	101	0	0	0	71
North Carolina	239	400	-40.0%	190	247	49	7	0	0	0	146
South Carolina	215	397	-46.0%	93	210	0	0	0	0	122	187
Virginia	401	434	-7.7%	285	257	86	144	0	4	29	29
West Virginia	239	228	4.9%	239	218	0	10	0	0	0	0
East South Central	517	353	46.0%	516	349	1	1	0	0	0	4
Alabama	120	89	35.0%	119	84	1	1	0	0	0	4
Kentucky	139	173	-19.0%	139	173	0	0	0	0	0	0
Mississippi	13	19	-31.0%	13	19	0	0	0	0	0	0
Tennessee	244	73	236.0%	244	73	0	0	0	0	0	0
West South Central	229	243	-6.0%	81	100	148	143	0	0	0	0
Arkansas	41	56	-26.0%	16	35	25	21	0	0	0	0
Louisiana	48	42	13.0%	11	17	37	25	0	0	0	0
Oklahoma	13	14	-4.5%	13	14	0	0	0	0	0	0
Texas	127	132	-3.7%	41	35	86	97	0	0	0	0
Mountain	295	322	-8.4%	278	278	17	42	0	0	0	2
Arizona	78	63	25.0%	78	61	0	0	0	0	0	2
Colorado	3	8	-58.0%	3	8	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	12	32	-63.0%	0	0	12	32	0	0	0	0
Nevada	27	33	-18.0%	22	25	5	9	0	0	0	0
New Mexico	74	65	14.0%	74	65	0	0	0	0	0	0
Utah	41	48	-14.0%	41	47	0	1	0	0	0	0
Wyoming	59	73	-19.0%	59	73	0	0	0	0	0	0
Pacific Contiguous	33	76	-56.0%	21	28	12	42	0	0	0	7
California	0	47	-100.0%	0	15	0	30	0	0	0	2
Oregon	6	14	-55.0%	6	14	0	0	0	0	0	0
Washington	27	16	70.0%	15	0	12	11	0	0	0	5
Pacific Noncontiguous	7,849	9,550	-18.0%	6,164	7,992	1,685	1,558	0	0	0	0
Alaska	0	798	-100.0%	0	798	0	0	0	0	0	0
Hawaii	7,849	8,751	-10.0%	6,164	7,193	1,685	1,558	0	0	0	0
U.S. Total	16,431	16,199	1.4%	10,586	12,071	5,548	3,145	0	37	297	947

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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 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, October 2013 and 2012
(Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
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	10	-100.0%	0	0	0	0	0	0	0	10
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	10	-100.0%	0	0	0	0	0	0	0	10
East North Central	96	18	435.0%	28	0	53	10	0	0	14	8
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	24	2	NM	22	0	2	2	0	0	0	0
Ohio	51	8	535.0%	0	0	51	8	0	0	0	0
Wisconsin	20	8	145.0%	6	0	0	0	0	0	14	8
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	118	47	149.0%	96	47	0	0	0	0	22	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	96	47	102.0%	96	47	0	0	0	0	0	0
Georgia	22	0	--	0	0	0	0	0	0	22	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	40	45	-11.0%	40	45	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	40	45	-11.0%	40	45	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	169	204	-17.0%	169	159	0	0	0	0	0	45
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	169	159	6.2%	169	159	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	45	-100.0%	0	0	0	0	0	0	0	45
Mountain	0	23	-100.0%	0	0	0	23	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	23	-100.0%	0	0	0	23	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	422	348	22.0%	333	251	53	33	0	0	36	63

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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) October 2013 and 2012
(Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 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	84	-100.0%	0	0	0	0	0	0	0	84
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	84	-100.0%	0	0	0	0	0	0	0	84
East North Central	654	746	-12.0%	68	240	467	392	0	0	119	114
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	204	-100.0%	0	204	0	0	0	0	0	0
Michigan	71	29	146.0%	48	0	23	29	0	0	0	0
Ohio	444	363	22.0%	0	0	444	363	0	0	0	0
Wisconsin	139	149	-6.9%	20	36	0	0	0	0	119	114
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	1,069	589	82.0%	966	450	0	0	0	0	103	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	966	450	115.0%	966	450	0	0	0	0	0	0
Georgia	103	139	-26.0%	0	0	0	0	0	0	103	139
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	437	439	-0.6%	437	439	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	437	439	-0.6%	437	439	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	1,630	1,264	29.0%	1,387	895	0	35	0	0	243	334
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,387	895	55.0%	1,387	895	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	243	369	-34.0%	0	0	0	35	0	0	243	334
Mountain	0	208	-100.0%	0	0	0	208	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	208	-100.0%	0	0	0	208	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	8	-100.0%	0	0	0	8	0	0	0	0
California	0	8	-100.0%	0	0	0	8	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	3,790	3,338	14.0%	2,858	2,024	467	643	0	0	465	671

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 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, October 2013 and 2012
(Million Cubic Feet)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	30,640	38,755	-21.0%	18	156	29,372	37,169	0	261	1,250	1,169
Connecticut	7,871	10,490	-25.0%	0	8	7,871	10,482	0	0	0	0
Maine	2,647	3,390	-22.0%	0	0	1,397	2,221	0	0	1,250	1,169
Massachusetts	13,635	14,982	-9.0%	18	146	13,617	14,576	0	261	0	0
New Hampshire	2,096	4,245	-51.0%	0	0	2,096	4,245	0	0	0	0
Rhode Island	4,391	5,646	-22.0%	0	0	4,391	5,646	0	0	0	0
Vermont	0	2	-100.0%	0	2	0	0	0	0	0	0
Middle Atlantic	68,089	77,206	-12.0%	6,203	7,776	61,763	69,229	0	0	123	201
New Jersey	14,798	14,819	-0.1%	0	0	14,798	14,819	0	0	0	0
New York	25,853	34,780	-26.0%	6,203	7,776	19,602	26,917	0	0	48	87
Pennsylvania	27,437	27,607	-0.6%	0	0	27,363	27,493	0	0	75	114
East North Central	32,436	33,961	-4.5%	12,383	11,092	19,397	20,604	486	1,004	171	1,262
Illinois	1,204	3,226	-63.0%	25	7	1,173	2,706	0	507	6	6
Indiana	6,041	8,635	-30.0%	4,467	5,737	1,574	2,095	0	0	0	803
Michigan	7,433	7,673	-3.1%	1,039	786	5,851	6,122	486	497	56	268
Ohio	13,316	11,701	14.0%	5,249	3,303	8,055	8,367	0	0	12	31
Wisconsin	4,444	2,727	63.0%	1,604	1,258	2,743	1,315	0	0	97	154
West North Central	6,146	5,902	4.1%	5,132	4,399	870	969	143	99	1	435
Iowa	465	1,016	-54.0%	465	1,013	0	0	0	0	1	3
Kansas	874	915	-4.5%	874	915	0	0	0	0	0	0
Minnesota	2,640	2,064	28.0%	1,770	1,145	870	733	0	0	0	187
Missouri	1,828	1,546	18.0%	1,685	1,211	0	236	143	99	0	0
Nebraska	110	317	-65.0%	110	72	0	0	0	0	0	245
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	229	44	418.0%	229	44	0	0	0	0	0	0
South Atlantic	155,670	159,362	-2.3%	128,295	128,567	25,343	27,032	0	0	2,032	3,763
Delaware	4,469	4,908	-8.9%	0	0	3,487	4,207	0	0	981	701
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	90,504	93,839	-3.6%	86,477	88,358	4,027	4,253	0	0	0	1,229
Georgia	25,541	26,303	-2.9%	19,654	16,735	5,131	8,199	0	0	756	1,368
Maryland	1,937	2,255	-14.0%	0	0	1,928	2,214	0	0	8	40
North Carolina	15,026	9,056	66.0%	9,217	7,457	5,808	1,590	0	0	0	8
South Carolina	5,994	9,959	-40.0%	4,877	9,586	1,058	341	0	0	58	32
Virginia	12,158	12,850	-5.4%	8,069	6,359	3,861	6,107	0	0	228	384
West Virginia	43	193	-78.0%	0	72	43	122	0	0	0	0
East South Central	46,758	48,781	-4.1%	26,051	29,427	20,690	16,835	0	0	16	2,520
Alabama	25,561	24,455	4.5%	7,750	8,039	17,812	15,218	0	0	0	1,198
Kentucky	781	978	-20.0%	767	954	15	24	0	0	0	0
Mississippi	17,647	19,367	-8.9%	14,783	16,459	2,864	1,593	0	0	0	1,315
Tennessee	2,768	3,981	-30.0%	2,752	3,975	0	0	0	0	16	7
West South Central	199,190	202,703	-1.7%	51,196	54,283	95,724	96,449	0	342	52,270	51,629
Arkansas	5,923	9,093	-35.0%	1,337	944	4,586	8,150	0	0	0	0
Louisiana	37,420	41,895	-11.0%	14,243	17,228	6,026	6,288	0	0	17,151	18,379
Oklahoma	14,210	16,844	-16.0%	12,364	13,589	1,847	3,143	0	0	0	112
Texas	141,638	134,870	5.0%	23,253	22,522	83,266	78,868	0	342	35,119	33,138
Mountain	42,968	47,913	-10.0%	25,259	29,549	17,669	17,934	0	0	39	430
Arizona	15,059	19,193	-22.0%	4,814	9,233	10,245	9,960	0	0	0	0
Colorado	5,128	4,048	27.0%	3,087	1,753	2,041	2,295	0	0	0	0
Idaho	1,482	1,515	-2.2%	195	305	1,288	1,210	0	0	0	0
Montana	0	3	-100.0%	0	2	0	2	0	0	0	0
Nevada	12,716	15,316	-17.0%	10,576	12,360	2,140	2,956	0	0	0	0
New Mexico	4,463	4,830	-7.6%	3,049	3,784	1,415	1,045	0	0	0	0
Utah	4,115	2,596	59.0%	3,534	2,083	541	464	0	0	39	48
Wyoming	5	412	-99.0%	5	30	0	1	0	0	0	382
Pacific Contiguous	80,199	93,002	-14.0%	30,260	30,969	46,248	56,329	0	0	3,691	5,704
California	62,691	75,834	-17.0%	19,253	22,106	39,747	48,356	0	0	3,691	5,372
Oregon	9,139	10,550	-13.0%	3,194	4,121	5,946	6,425	0	0	0	4
Washington	8,368	6,619	26.0%	7,812	4,742	555	1,549	0	0	0	328
Pacific Noncontiguous	2,223	2,742	-19.0%	2,223	2,742	0	0	0	0	0	0
Alaska	2,223	2,742	-19.0%	2,223	2,742	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	664,318	710,327	-6.5%	287,021	298,960	317,076	342,548	629	1,705	59,591	67,113

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Notes:

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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) October 2013 and 2012
(Million Cubic Feet)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	316,469	381,903	-17.0%	1,427	3,266	303,311	364,063	0	2,943	11,731	11,631
Connecticut	88,569	91,751	-3.5%	0	61	88,569	91,690	0	0	0	0
Maine	28,547	36,786	-22.0%	0	0	16,816	25,155	0	0	11,731	11,631
Massachusetts	133,412	155,381	-14.0%	1,080	2,459	132,331	149,978	0	2,943	0	0
New Hampshire	24,835	44,651	-44.0%	347	717	24,489	43,935	0	0	0	0
Rhode Island	41,106	53,305	-23.0%	0	0	41,106	53,305	0	0	0	0
Vermont	0	29	-100.0%	0	29	0	0	0	0	0	0
Middle Atlantic	796,370	881,597	-9.7%	90,717	93,530	704,169	786,473	0	0	1,485	1,594
New Jersey	166,912	179,844	-7.2%	0	0	166,912	179,844	0	0	0	0
New York	342,723	381,972	-10.0%	90,717	93,530	251,420	287,893	0	0	586	548
Pennsylvania	286,735	319,781	-10.0%	0	0	285,836	318,736	0	0	899	1,045
East North Central	366,330	556,731	-34.0%	135,834	201,444	224,921	337,638	3,525	7,367	2,050	10,282
Illinois	36,882	73,888	-50.0%	4,708	11,999	32,123	57,424	0	4,436	50	29
Indiana	62,390	102,410	-39.0%	41,911	74,448	20,479	21,445	0	0	0	6,517
Michigan	86,350	161,801	-47.0%	20,669	36,499	61,326	120,025	3,525	2,931	830	2,346
Ohio	130,027	141,596	-8.2%	44,279	38,338	85,673	103,148	0	0	76	111
Wisconsin	50,682	77,035	-34.0%	24,267	40,160	25,321	35,595	0	0	1,094	1,280
West North Central	102,609	141,550	-28.0%	87,124	119,285	14,664	19,040	809	1,207	12	2,018
Iowa	14,155	15,078	-6.1%	14,143	15,041	0	0	0	0	12	37
Kansas	14,143	25,260	-44.0%	14,143	25,260	0	0	0	0	0	0
Minnesota	39,038	48,164	-19.0%	31,032	38,274	8,006	8,289	0	0	0	1,601
Missouri	29,512	43,661	-32.0%	22,045	31,703	6,658	10,751	809	1,207	0	0
Nebraska	3,315	7,852	-58.0%	3,315	7,471	0	0	0	0	0	380
North Dakota	0	1	-100.0%	0	1	0	0	0	0	0	0
South Dakota	2,447	1,535	59.0%	2,447	1,535	0	0	0	0	0	0
South Atlantic	1,579,510	1,745,902	-9.5%	1,275,059	1,340,573	278,575	366,730	0	0	25,876	38,599
Delaware	48,856	57,630	-15.0%	0	0	34,639	46,892	0	0	14,218	10,738
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	863,389	970,790	-11.0%	819,509	892,402	43,880	66,628	0	0	0	11,759
Georgia	250,237	279,947	-11.0%	183,938	157,995	58,428	111,423	0	0	7,872	10,528
Maryland	19,698	43,229	-54.0%	0	0	19,189	41,413	0	0	509	1,815
North Carolina	165,960	131,011	27.0%	108,681	110,896	57,109	19,996	0	0	171	120
South Carolina	79,364	92,965	-15.0%	70,045	81,181	9,014	11,576	0	0	305	209
Virginia	149,361	168,140	-11.0%	92,495	97,722	54,065	66,989	0	0	2,801	3,429
West Virginia	2,644	2,190	21.0%	391	376	2,253	1,814	0	0	0	0
East South Central	523,901	699,631	-25.0%	309,140	371,233	214,644	306,778	0	0	116	21,620
Alabama	265,727	338,304	-21.0%	76,624	82,756	189,103	245,409	0	0	0	10,139
Kentucky	13,431	29,014	-54.0%	11,293	25,818	2,137	3,196	0	0	0	0
Mississippi	212,921	278,127	-23.0%	189,517	208,723	23,404	58,173	0	0	0	11,230
Tennessee	31,822	54,186	-41.0%	31,706	53,936	0	0	0	0	116	250
West South Central	2,221,532	2,524,452	-12.0%	610,881	721,825	1,092,162	1,272,451	0	3,260	518,489	526,915
Arkansas	79,510	114,904	-31.0%	20,637	21,911	58,873	92,993	0	0	0	0
Louisiana	391,343	455,510	-14.0%	159,778	193,115	63,881	86,282	0	0	167,683	176,113
Oklahoma	210,482	284,602	-26.0%	160,612	205,566	49,870	78,366	0	0	0	669
Texas	1,540,197	1,669,436	-7.7%	269,853	301,233	919,537	1,014,810	0	3,260	350,806	350,134
Mountain	489,990	542,441	-9.7%	304,526	335,309	184,980	201,910	0	0	484	5,222
Arizona	175,216	212,010	-17.0%	74,679	103,162	100,537	108,690	0	0	0	159
Colorado	67,921	69,505	-2.3%	37,577	39,602	30,344	29,903	0	0	0	0
Idaho	17,728	11,241	58.0%	8,619	4,102	9,108	7,139	0	0	0	0
Montana	0	15	-100.0%	0	8	0	7	0	0	0	0
Nevada	138,612	151,390	-8.4%	115,485	117,285	23,127	34,105	0	0	0	0
New Mexico	54,444	56,776	-4.1%	36,582	37,970	17,862	18,806	0	0	0	0
Utah	36,003	37,176	-3.2%	31,518	32,926	4,001	3,251	0	0	484	999
Wyoming	66	4,329	-98.0%	66	254	0	11	0	0	0	4,065
Pacific Contiguous	729,564	774,103	-5.8%	269,053	258,267	423,944	459,529	0	0	36,567	56,307
California	598,457	670,087	-11.0%	192,359	210,142	369,531	406,479	0	0	36,567	53,466
Oregon	78,304	67,225	16.0%	28,103	23,858	50,202	43,338	0	0	0	28
Washington	52,802	36,791	44.0%	48,591	24,266	4,211	9,712	0	0	0	2,813
Pacific Noncontiguous	20,418	28,030	-27.0%	20,418	28,030	0	0	0	0	0	0
Alaska	20,418	28,030	-27.0%	20,418	28,030	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	7,146,692	8,276,340	-14.0%	3,104,178	3,472,762	3,441,370	4,114,613	4,334	14,777	596,810	674,188

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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, October 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012
New England	W	W	W	4.03	4.07	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.03	4.07	-1.0%	4.03	4.07	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.66	2.50	6.4%	--	--	2.66	2.50
New Jersey	4.10	3.81	7.6%	--	--	4.10	3.81
New York	3.11	2.96	5.1%	--	--	3.11	2.96
Pennsylvania	2.58	2.44	5.7%	--	--	2.58	2.44
East North Central	2.26	2.36	-4.2%	2.40	2.51	1.94	2.01
Illinois	1.85	1.95	-5.1%	2.02	2.10	1.83	1.93
Indiana	W	W	W	2.49	2.57	W	W
Michigan	W	W	W	2.49	2.72	W	W
Ohio	W	W	W	2.28	2.42	W	W
Wisconsin	2.41	2.36	2.1%	2.41	2.36	--	--
West North Central	1.69	1.72	-1.7%	1.69	1.72	--	--
Iowa	1.58	1.50	5.3%	1.58	1.50	--	--
Kansas	1.64	1.85	-11.0%	1.64	1.85	--	--
Minnesota	1.94	1.99	-2.5%	1.94	1.99	--	--
Missouri	1.86	1.83	1.6%	1.86	1.83	--	--
Nebraska	1.37	1.50	-8.7%	1.37	1.50	--	--
North Dakota	1.47	1.50	-2.0%	1.47	1.50	--	--
South Dakota	2.01	2.17	-7.4%	2.01	2.17	--	--
South Atlantic	3.15	3.33	-5.4%	3.25	3.42	2.85	2.93
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.31	3.52	W	W
Georgia	3.14	3.31	-5.1%	3.14	3.31	--	--
Maryland	3.35	3.68	-9.0%	--	--	3.35	3.68
North Carolina	3.91	3.75	4.3%	3.91	3.79	--	2.58
South Carolina	3.70	3.94	-6.1%	3.70	3.94	--	--
Virginia	W	W	W	3.32	3.54	W	W
West Virginia	2.50	2.57	-2.7%	2.57	2.75	2.42	2.31
East South Central	W	W	W	2.49	2.65	W	W
Alabama	2.77	3.01	-8.0%	2.77	3.01	--	--
Kentucky	2.33	2.37	-1.7%	2.33	2.37	--	--
Mississippi	W	W	W	3.72	4.76	W	W
Tennessee	2.29	2.48	-7.7%	2.29	2.48	--	--
West South Central	2.10	2.00	5.0%	2.26	2.16	1.91	1.84
Arkansas	W	W	W	2.44	2.45	W	W
Louisiana	W	W	W	3.06	3.03	W	W
Oklahoma	W	W	W	2.07	1.95	W	W
Texas	1.97	1.85	6.5%	2.12	1.96	1.85	1.79
Mountain	W	1.78	W	1.99	1.82	W	1.39
Arizona	2.07	2.02	2.5%	2.07	2.02	--	--
Colorado	1.93	1.84	4.9%	1.93	1.84	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.54	W	W
Nevada	W	W	W	2.90	2.68	W	W
New Mexico	2.26	2.09	8.1%	2.26	2.09	--	--
Utah	2.05	1.82	13.0%	2.05	1.82	--	--
Wyoming	1.67	W	W	1.67	1.46	--	W
Pacific Contiguous	W	W	W	2.02	1.91	W	W
California	--	W	W	--	--	--	W
Oregon	2.02	1.91	5.8%	2.02	1.91	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	--	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.33	2.35	-0.9%	2.37	2.40	2.24	2.19

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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.B. Average Cost of Coal Delivered for Electricity Generation by State, (Year-to-Date) October 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	3.76	3.72	1.1%	4.27	4.04	3.56	3.54
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.27	4.04	5.7%	4.27	4.04	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.59	2.50	3.6%	--	--	2.59	2.50
New Jersey	3.85	4.05	-4.9%	--	--	3.85	4.05
New York	2.99	3.14	-4.8%	--	--	2.99	3.14
Pennsylvania	2.52	2.43	3.7%	--	--	2.52	2.43
East North Central	2.28	2.38	-4.2%	2.42	2.53	1.95	2.06
Illinois	1.88	1.93	-2.6%	2.07	2.10	1.85	1.91
Indiana	W	W	W	2.53	2.59	W	W
Michigan	W	W	W	2.67	2.79	W	W
Ohio	W	W	W	2.24	2.42	W	W
Wisconsin	2.33	2.37	-1.7%	2.33	2.37	--	--
West North Central	1.75	1.72	1.7%	1.75	1.72	--	--
Iowa	1.62	1.48	9.5%	1.62	1.48	--	--
Kansas	1.78	1.83	-2.7%	1.78	1.83	--	--
Minnesota	2.01	1.96	2.6%	2.01	1.96	--	--
Missouri	1.90	1.85	2.7%	1.90	1.85	--	--
Nebraska	1.42	1.55	-8.4%	1.42	1.55	--	--
North Dakota	1.55	1.49	4.0%	1.55	1.49	--	--
South Dakota	2.00	2.23	-10.0%	2.00	2.23	--	--
South Atlantic	3.22	3.36	-4.2%	3.33	3.47	2.79	2.89
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.42	3.50	W	W
Georgia	3.17	3.51	-9.7%	3.17	3.51	--	--
Maryland	3.46	3.57	-3.1%	--	--	3.46	3.57
North Carolina	3.88	3.77	2.9%	3.88	3.82	--	2.59
South Carolina	3.76	W	W	3.76	3.98	--	W
Virginia	W	W	W	3.28	3.66	W	W
West Virginia	2.50	2.53	-1.2%	2.69	2.68	2.20	2.25
East South Central	W	W	W	2.53	2.71	W	W
Alabama	2.80	3.03	-7.6%	2.80	3.03	--	--
Kentucky	2.35	2.43	-3.3%	2.35	2.43	--	--
Mississippi	W	W	W	3.94	4.43	W	W
Tennessee	2.40	2.63	-8.7%	2.40	2.63	--	--
West South Central	2.09	2.00	4.5%	2.26	2.10	1.91	1.87
Arkansas	W	W	W	2.39	2.21	W	W
Louisiana	W	W	W	2.91	2.82	W	W
Oklahoma	W	W	W	2.03	1.97	W	W
Texas	1.98	1.89	4.8%	2.16	1.99	1.86	1.82
Mountain	W	1.85	W	1.94	1.88	W	1.46
Arizona	2.06	2.06	0.0%	2.06	2.06	--	--
Colorado	1.91	1.85	3.2%	1.91	1.85	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.66	W	W
Nevada	W	W	W	2.74	2.54	W	W
New Mexico	2.31	2.19	5.5%	2.31	2.19	--	--
Utah	2.03	1.93	5.2%	2.03	1.93	--	--
Wyoming	1.52	W	W	1.52	1.45	--	W
Pacific Contiguous	W	W	W	1.96	1.90	W	W
California	W	W	W	--	--	W	W
Oregon	1.96	1.90	3.2%	1.96	1.90	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	--	W	W
Alaska	--	--	--	--	--	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.34	2.38	-1.7%	2.38	2.43	2.21	2.21

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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, October 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012
New England	W	26.72	W	21.86	26.60	W	26.73
Connecticut	W	27.67	W	--	--	W	27.67
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	21.86	33.35	W	W
New Hampshire	W	25.94	W	--	25.94	W	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	W	W	24.91	18.70	W	W
New Jersey	W	23.24	W	--	--	W	23.24
New York	W	19.03	W	24.91	18.70	W	27.51
Pennsylvania	W	W	W	--	--	W	W
East North Central	22.83	24.44	-6.6%	22.73	24.40	23.24	24.65
Illinois	W	W	W	23.36	25.91	W	W
Indiana	23.07	24.21	-4.7%	23.07	24.21	--	--
Michigan	21.87	W	W	21.87	24.41	--	W
Ohio	W	24.39	W	23.68	24.43	W	24.12
Wisconsin	22.24	23.43	-5.1%	22.24	23.43	--	--
West North Central	22.61	24.74	-8.6%	22.61	24.74	--	--
Iowa	22.61	25.75	-12.0%	22.61	25.75	--	--
Kansas	21.64	24.92	-13.0%	21.64	24.92	--	--
Minnesota	22.69	25.20	-10.0%	22.69	25.20	--	--
Missouri	21.96	22.60	-2.8%	21.96	22.60	--	--
Nebraska	21.96	24.46	-10.0%	21.96	24.46	--	--
North Dakota	23.67	24.23	-2.3%	23.67	24.23	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	22.70	23.81	-4.7%	22.72	23.70	22.24	24.12
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	22.80	23.92	W	W
Georgia	23.40	25.26	-7.4%	23.40	25.26	--	--
Maryland	W	W	W	--	--	W	W
North Carolina	22.79	W	W	22.79	23.32	--	W
South Carolina	22.98	24.72	-7.0%	22.98	24.72	--	--
Virginia	W	W	W	21.52	21.45	W	W
West Virginia	22.69	23.93	-5.2%	22.69	23.93	--	--
East South Central	W	23.67	W	22.80	23.67	W	--
Alabama	W	23.62	W	22.62	23.62	W	--
Kentucky	22.93	23.84	-3.8%	22.93	23.84	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	22.68	23.45	-3.3%	22.68	23.45	--	--
West South Central	22.07	23.93	-7.8%	22.04	23.72	22.09	24.03
Arkansas	W	W	W	21.78	23.60	W	W
Louisiana	W	W	W	--	23.81	W	W
Oklahoma	22.91	24.28	-5.6%	22.91	24.28	--	--
Texas	W	W	W	22.12	23.39	W	W
Mountain	W	23.58	W	24.11	24.79	W	17.61
Arizona	24.16	21.49	12.0%	24.16	21.49	--	--
Colorado	22.96	20.05	15.0%	22.96	20.05	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	25.63	27.95	W	W
New Mexico	23.78	28.66	-17.0%	23.78	28.66	--	--
Utah	24.31	W	W	24.31	25.33	--	W
Wyoming	23.53	23.76	-1.0%	23.53	23.76	--	--
Pacific Contiguous	W	W	W	--	25.41	W	W
California	--	25.99	--	--	25.99	--	--
Oregon	--	23.98	--	--	23.98	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	21.63	21.93	W	W
Alaska	--	22.88	--	--	22.88	--	--
Hawaii	W	W	W	21.63	21.86	W	W
U.S. Total	20.86	22.42	-7.0%	21.97	22.21	19.12	23.25

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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) October 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	W	19.76	W	18.56	20.48	W	19.71
Connecticut	W	20.24	W	--	--	W	20.24
Maine	W	W	W	--	--	W	W
Massachusetts	18.48	W	W	21.87	16.03	17.99	W
New Hampshire	W	22.99	W	16.75	22.99	W	--
Rhode Island	W	--	W	--	--	W	--
Vermont	--	24.11	--	--	24.11	--	--
Middle Atlantic	20.39	W	W	21.95	20.54	19.90	W
New Jersey	21.27	20.62	3.2%	--	--	21.27	20.62
New York	19.95	20.99	-5.0%	21.95	20.54	19.07	21.83
Pennsylvania	22.06	W	W	--	--	22.06	W
East North Central	23.00	23.00	0.0%	22.95	22.90	23.18	23.59
Illinois	W	W	W	23.60	24.28	W	W
Indiana	23.01	23.08	-0.3%	23.01	23.08	--	--
Michigan	W	W	W	22.80	22.61	W	W
Ohio	23.05	22.97	0.3%	23.01	22.98	23.13	22.92
Wisconsin	W	W	W	22.52	21.61	W	W
West North Central	22.70	22.29	1.8%	22.70	22.29	--	--
Iowa	22.67	23.04	-1.6%	22.67	23.04	--	--
Kansas	22.56	22.80	-1.1%	22.56	22.80	--	--
Minnesota	23.17	23.76	-2.5%	23.17	23.76	--	--
Missouri	22.29	20.31	9.7%	22.29	20.31	--	--
Nebraska	22.46	22.80	-1.5%	22.46	22.80	--	--
North Dakota	23.24	23.84	-2.5%	23.24	23.84	--	--
South Dakota	23.31	20.69	13.0%	23.31	20.69	--	--
South Atlantic	20.67	21.81	-5.2%	20.32	21.55	22.58	23.21
Delaware	W	W	W	--	--	W	W
District of Columbia	--	W	W	--	--	--	W
Florida	W	W	W	18.94	20.73	W	W
Georgia	W	24.27	W	23.45	24.27	W	--
Maryland	21.82	22.80	-4.3%	--	--	21.82	22.80
North Carolina	W	W	W	22.78	23.17	W	W
South Carolina	23.28	20.87	12.0%	23.28	20.87	--	--
Virginia	W	W	W	17.76	18.64	W	W
West Virginia	23.51	W	W	23.51	23.32	--	W
East South Central	W	W	W	22.62	22.63	W	W
Alabama	W	W	W	22.35	22.74	W	W
Kentucky	22.74	22.78	-0.2%	22.74	22.78	--	--
Mississippi	21.68	22.04	-1.6%	21.68	22.04	--	--
Tennessee	22.74	22.29	2.0%	22.74	22.29	--	--
West South Central	22.29	22.66	-1.6%	22.41	22.94	22.22	22.46
Arkansas	W	W	W	22.29	23.14	W	W
Louisiana	W	W	W	22.03	22.37	W	W
Oklahoma	22.33	22.76	-1.9%	22.33	22.76	--	--
Texas	W	W	W	22.57	23.10	W	W
Mountain	W	23.34	W	23.86	23.96	W	18.81
Arizona	24.45	23.66	3.3%	24.45	23.66	--	--
Colorado	23.59	W	W	23.59	18.02	--	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	24.25	25.31	W	W
New Mexico	24.58	25.91	-5.1%	24.58	25.91	--	--
Utah	22.09	W	W	22.09	23.68	--	W
Wyoming	23.29	22.62	3.0%	23.29	22.62	--	--
Pacific Contiguous	W	W	W	23.18	24.97	W	W
California	--	27.10	--	--	27.10	--	--
Oregon	22.05	22.68	-2.8%	22.05	22.68	--	--
Washington	W	W	W	23.63	--	W	W
Pacific Noncontiguous	W	W	W	20.66	22.20	W	W
Alaska	--	23.38	--	--	23.38	--	--
Hawaii	W	W	W	20.66	22.09	W	W
U.S. Total	20.62	22.26	-7.4%	20.99	22.15	19.90	22.72

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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, October 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.48	--	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	W	W	1.39	--	W	W
Ohio	--	--	--	--	--	--	--
Wisconsin	1.81	--	--	1.81	--	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.57	2.31	11.0%	2.57	2.31	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.57	2.31	11.0%	2.57	2.31	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.74	1.78	-2.2%	1.74	1.78	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.74	1.78	-2.2%	1.74	1.78	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.94	2.07	-6.3%	1.94	2.07	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.94	2.07	-6.3%	1.94	2.07	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	W	W	--	--	--	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	W	W	--	--	--	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	W	W	2.06	2.07	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) October 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.52	4.16	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	4.56	--	--	4.56	--	--
Michigan	W	W	W	1.42	--	W	W
Ohio	--	--	--	--	--	--	--
Wisconsin	1.75	1.67	4.8%	1.75	1.67	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.63	2.63	0.0%	2.63	2.63	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.63	2.63	0.0%	2.63	2.63	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.82	1.82	0.0%	1.82	1.82	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.82	1.82	0.0%	1.82	1.82	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.96	W	W	1.96	2.00	--	W
Arkansas	--	--	--	--	--	--	--
Louisiana	1.96	2.00	-2.0%	1.96	2.00	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	W	W	--	--	--	W
Mountain	--	W	W	--	--	--	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	W	W	--	--	--	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	W	W	--	--	--	W
California	--	W	W	--	--	--	W
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	2.18	W	2.15	2.37	W	0.87

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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, October 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2013	October 2012	Percentage Change	October 2013	October 2012	October 2013	October 2012
New England	3.87	3.70	4.6%	4.14	4.22	3.87	3.70
Connecticut	3.87	3.75	3.2%	--	6.09	3.87	3.75
Maine	W	W	W	--	--	W	W
Massachusetts	3.84	3.67	4.6%	4.12	4.11	3.84	3.67
New Hampshire	9.86	6.78	45.0%	9.86	6.78	--	--
Rhode Island	W	W	W	--	--	W	W
Vermont	--	4.27	--	--	4.27	--	--
Middle Atlantic	3.85	3.76	2.4%	4.08	3.84	3.82	3.75
New Jersey	3.29	3.69	-11.0%	--	--	3.29	3.69
New York	4.30	3.97	8.3%	4.08	3.84	4.38	4.01
Pennsylvania	3.72	3.46	7.5%	--	--	3.72	3.46
East North Central	3.97	W	W	3.97	3.77	3.97	W
Illinois	W	W	W	10.96	23.27	W	W
Indiana	W	W	W	3.97	3.63	W	W
Michigan	4.33	4.05	6.9%	4.21	4.55	4.35	3.98
Ohio	3.69	3.42	7.9%	3.65	3.47	3.71	3.40
Wisconsin	4.29	4.14	3.6%	4.74	4.60	4.02	3.68
West North Central	4.73	W	W	4.77	4.48	4.50	W
Iowa	5.82	4.59	27.0%	5.82	4.59	--	--
Kansas	4.56	4.53	0.7%	4.56	4.53	--	--
Minnesota	4.75	W	W	4.87	4.31	4.50	W
Missouri	4.49	W	W	4.49	4.21	--	W
Nebraska	5.23	8.58	-39.0%	5.23	8.58	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	4.40	5.59	-21.0%	4.40	5.59	--	--
South Atlantic	4.73	4.59	3.1%	4.78	4.73	4.36	3.63
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	4.96	W	4.97	5.02	W	2.87
Georgia	4.29	3.90	10.0%	4.24	3.87	4.60	3.97
Maryland	W	W	W	--	--	W	W
North Carolina	W	W	W	4.83	5.02	W	W
South Carolina	W	4.01	W	4.49	4.01	W	--
Virginia	3.98	3.64	9.3%	4.12	3.86	3.69	3.41
West Virginia	3.37	3.71	-9.2%	--	3.78	3.37	3.66
East South Central	3.93	3.60	9.2%	3.88	3.55	3.99	3.74
Alabama	W	3.68	W	3.90	3.59	W	3.74
Kentucky	W	W	W	6.47	5.89	W	W
Mississippi	W	W	W	3.79	3.46	W	W
Tennessee	3.62	3.24	12.0%	3.62	3.24	--	--
West South Central	3.77	3.42	10.0%	3.88	3.45	3.69	3.41
Arkansas	4.10	3.64	13.0%	4.71	4.25	3.93	3.57
Louisiana	3.76	3.46	8.7%	3.83	3.52	3.60	3.25
Oklahoma	3.99	3.40	17.0%	4.00	3.42	3.90	3.34
Texas	3.71	3.40	9.1%	3.80	3.37	3.68	3.40
Mountain	4.19	3.87	8.3%	4.35	3.99	3.86	3.64
Arizona	4.38	3.85	14.0%	5.22	4.07	3.80	3.63
Colorado	W	W	W	4.70	5.87	W	W
Idaho	W	W	W	6.41	5.48	W	W
Montana	--	W	W	--	4.46	--	W
Nevada	W	3.74	W	4.06	3.77	W	3.56
New Mexico	4.20	W	W	4.20	3.90	--	W
Utah	3.75	3.27	15.0%	3.75	3.27	--	--
Wyoming	7.10	W	W	7.10	5.54	--	W
Pacific Contiguous	4.22	3.96	6.6%	4.40	4.17	4.04	3.80
California	4.31	4.05	6.4%	4.62	4.30	4.09	3.88
Oregon	W	W	W	3.67	3.11	W	W
Washington	W	W	W	4.25	4.59	W	W
Pacific Noncontiguous	4.76	4.14	15.0%	4.76	4.14	--	--
Alaska	4.76	4.14	15.0%	4.76	4.14	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.15	3.91	6.1%	4.41	4.18	3.87	3.63

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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) October 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	October 2013 YTD	October 2012 YTD	Percentage Change	October 2013 YTD	October 2012 YTD	October 2013 YTD	October 2012 YTD
New England	5.59	W	W	6.86	4.42	5.58	W
Connecticut	5.80	3.41	70.0%	--	5.33	5.80	3.41
Maine	W	W	W	--	--	W	W
Massachusetts	5.47	3.31	65.0%	6.25	4.11	5.46	3.30
New Hampshire	W	W	W	8.70	5.41	W	W
Rhode Island	5.38	W	W	--	--	5.38	W
Vermont	--	3.79	--	--	3.79	--	--
Middle Atlantic	4.50	3.36	34.0%	4.99	3.66	4.43	3.32
New Jersey	4.15	3.41	22.0%	--	--	4.15	3.41
New York	5.08	3.67	38.0%	4.99	3.66	5.12	3.68
Pennsylvania	3.99	2.91	37.0%	--	--	3.99	2.91
East North Central	4.11	2.98	38.0%	4.10	3.00	4.11	2.98
Illinois	W	3.20	W	4.76	3.21	W	3.20
Indiana	W	2.91	W	3.98	2.89	W	2.98
Michigan	4.44	3.05	46.0%	4.40	3.03	4.46	3.05
Ohio	3.82	2.86	34.0%	3.82	2.84	3.83	2.86
Wisconsin	4.33	3.07	41.0%	4.46	3.25	4.20	2.85
West North Central	4.44	W	W	4.45	3.47	4.38	W
Iowa	4.40	3.67	20.0%	4.40	3.67	--	--
Kansas	4.34	3.14	38.0%	4.34	3.14	--	--
Minnesota	W	W	W	4.57	3.64	W	W
Missouri	W	W	W	4.40	3.37	W	W
Nebraska	4.74	3.73	27.0%	4.74	3.73	--	--
North Dakota	--	5.69	--	--	5.69	--	--
South Dakota	4.02	3.37	19.0%	4.02	3.37	--	--
South Atlantic	4.76	4.13	15.0%	4.83	4.34	4.30	3.02
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	4.65	W	5.04	4.75	W	2.44
Georgia	4.33	3.20	35.0%	4.30	3.22	4.43	3.17
Maryland	W	W	W	--	--	W	W
North Carolina	W	W	W	4.78	4.24	W	W
South Carolina	W	W	W	4.54	3.50	W	W
Virginia	4.11	3.16	30.0%	4.26	3.19	3.85	3.11
West Virginia	4.15	3.21	29.0%	3.82	3.16	4.21	3.22
East South Central	3.97	2.85	39.0%	3.94	2.86	4.03	2.84
Alabama	4.04	2.90	39.0%	3.98	2.98	4.07	2.86
Kentucky	W	W	W	5.62	3.39	W	W
Mississippi	W	W	W	3.85	2.79	W	W
Tennessee	3.75	2.73	37.0%	3.75	2.73	--	--
West South Central	3.86	2.85	35.0%	3.97	2.91	3.79	2.80
Arkansas	4.17	3.04	37.0%	5.16	3.80	3.83	2.86
Louisiana	3.85	2.81	37.0%	3.90	2.86	3.70	2.70
Oklahoma	3.93	2.87	37.0%	3.97	2.93	3.83	2.69
Texas	3.82	2.83	35.0%	3.91	2.87	3.79	2.81
Mountain	4.32	3.33	30.0%	4.42	3.38	4.06	3.20
Arizona	4.45	3.34	33.0%	4.89	3.57	3.97	3.05
Colorado	4.64	W	W	4.70	3.83	4.56	W
Idaho	W	W	W	4.21	3.94	W	W
Montana	--	W	W	--	3.96	--	W
Nevada	W	3.24	W	4.26	3.27	W	3.15
New Mexico	4.17	W	W	4.17	3.25	--	W
Utah	3.91	2.77	41.0%	3.91	2.77	--	--
Wyoming	7.23	W	W	7.23	5.58	--	W
Pacific Contiguous	4.22	3.42	23.0%	4.49	3.78	4.00	3.16
California	4.33	3.47	25.0%	4.70	3.85	4.07	3.21
Oregon	W	W	W	3.68	2.95	W	W
Washington	W	W	W	4.28	4.08	W	W
Pacific Noncontiguous	4.69	4.33	8.3%	4.69	4.33	--	--
Alaska	4.69	4.33	8.3%	4.69	4.33	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.33	3.34	30.0%	4.46	3.62	4.19	3.04

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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, October 2013

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	149	0.81	6.8	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	3	0.82	7.9	0	--	--	0	--	--
Massachusetts	137	0.68	6.7	0	--	--	0	--	--
New Hampshire	8	2.78	7.6	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,558	2.76	10.6	21	0.20	4.9	0	--	--
New Jersey	108	1.49	10.4	0	--	--	0	--	--
New York	102	1.93	12.1	21	0.20	4.9	0	--	--
Pennsylvania	2,348	2.85	10.6	0	--	--	0	--	--
East North Central	7,083	3.00	9.9	8,598	0.25	4.8	0	--	--
Illinois	747	3.60	18.6	4,231	0.22	4.7	0	--	--
Indiana	2,976	2.80	9.0	0	--	--	0	--	--
Michigan	184	1.62	7.4	2,452	0.29	4.8	0	--	--
Ohio	3,018	3.22	9.4	105	0.38	5.5	0	--	--
Wisconsin	158	2.18	7.6	1,811	0.26	5.0	0	--	--
West North Central	65	3.40	11.3	7,797	0.28	5.0	1,766	0.83	10.4
Iowa	33	3.50	8.0	1,287	0.28	5.0	0	--	--
Kansas	26	3.78	15.9	1,236	0.31	4.8	0	--	--
Minnesota	0	--	--	1,025	0.35	5.6	0	--	--
Missouri	7	1.55	10.1	3,029	0.23	4.7	0	--	--
Nebraska	0	--	--	1,106	0.29	5.2	0	--	--
North Dakota	0	--	--	0	--	--	1,766	0.83	10.4
South Dakota	0	--	--	113	0.33	5.0	0	--	--
South Atlantic	8,451	2.19	10.6	1,188	0.28	4.5	0	--	--
Delaware	46	2.32	8.1	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,629	2.30	8.9	0	--	--	0	--	--
Georgia	610	1.47	9.6	1,173	0.28	4.5	0	--	--
Maryland	689	1.83	9.8	16	0.20	4.6	0	--	--
North Carolina	1,148	1.47	10.4	0	--	--	0	--	--
South Carolina	737	1.72	8.5	0	--	--	0	--	--
Virginia	739	1.00	12.8	0	--	--	0	--	--
West Virginia	2,853	3.09	12.1	0	--	--	0	--	--
East South Central	5,078	2.53	9.8	1,983	0.26	5.0	266	0.40	13.9
Alabama	1,014	1.66	10.9	1,168	0.24	5.0	0	--	--
Kentucky	3,232	2.94	9.7	243	0.30	5.1	0	--	--
Mississippi	134	1.65	10.2	28	0.18	4.3	266	0.40	13.9
Tennessee	699	2.08	8.9	544	0.29	5.0	0	--	--
West South Central	90	2.37	16.4	7,565	0.26	5.0	3,533	1.00	16.0
Arkansas	0	--	--	1,671	0.26	5.0	0	--	--
Louisiana	46	3.36	7.3	781	0.27	4.9	187	0.86	14.1
Oklahoma	44	1.22	26.8	950	0.26	4.9	0	--	--
Texas	0	--	--	4,163	0.27	5.0	3,346	1.01	16.1
Mountain	2,764	0.57	14.2	6,217	0.55	9.6	0	--	--
Arizona	729	0.60	10.8	1,220	0.72	11.0	0	--	--
Colorado	220	0.45	10.4	1,292	0.30	5.5	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	592	0.69	9.3	0	--	--
Nevada	24	0.34	12.6	222	0.37	7.4	0	--	--
New Mexico	491	0.78	26.9	687	0.79	22.4	0	--	--
Utah	1,300	0.52	12.8	73	1.11	9.1	0	--	--
Wyoming	0	--	--	2,131	0.49	7.6	0	--	--
Pacific Contiguous	55	0.43	9.1	645	0.38	7.6	0	--	--
California	55	0.43	9.1	0	--	--	0	--	--
Oregon	0	--	--	148	0.26	4.5	0	--	--
Washington	0	--	--	496	0.41	8.5	0	--	--
Pacific Noncontiguous	59	1.16	5.6	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	59	1.16	5.6	0	--	--	0	--	--
U.S. Total	26,352	2.37	10.6	34,013	0.32	5.8	5,565	0.93	14.1

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.
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Notes:

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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, October 2013

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	8	2.78	7.6	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	8	2.78	7.6	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	5,643	2.95	9.1	4,533	0.28	4.9	0	--	--
Illinois	233	3.49	12.4	294	0.21	4.7	0	--	--
Indiana	2,729	2.76	8.9	0	--	--	0	--	--
Michigan	169	1.68	7.3	2,448	0.29	4.8	0	--	--
Ohio	2,388	3.24	9.4	0	--	--	0	--	--
Wisconsin	124	2.27	7.7	1,791	0.26	5.0	0	--	--
West North Central	30	3.29	15.2	7,715	0.28	5.0	1,766	0.83	10.4
Iowa	0	--	--	1,205	0.28	5.0	0	--	--
Kansas	26	3.78	15.9	1,236	0.31	4.8	0	--	--
Minnesota	0	--	--	1,025	0.35	5.6	0	--	--
Missouri	4	0.34	10.7	3,029	0.23	4.7	0	--	--
Nebraska	0	--	--	1,106	0.29	5.2	0	--	--
North Dakota	0	--	--	0	--	--	1,766	0.83	10.4
South Dakota	0	--	--	113	0.33	5.0	0	--	--
South Atlantic	6,273	2.02	10.4	1,173	0.28	4.5	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,577	2.34	8.9	0	--	--	0	--	--
Georgia	578	1.45	9.6	1,173	0.28	4.5	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,148	1.47	10.4	0	--	--	0	--	--
South Carolina	717	1.75	8.5	0	--	--	0	--	--
Virginia	645	0.96	13.4	0	--	--	0	--	--
West Virginia	1,607	2.84	11.7	0	--	--	0	--	--
East South Central	4,940	2.58	9.8	1,983	0.26	5.0	0	--	--
Alabama	1,014	1.66	10.9	1,168	0.24	5.0	0	--	--
Kentucky	3,232	2.94	9.7	243	0.30	5.1	0	--	--
Mississippi	134	1.65	10.2	28	0.18	4.3	0	--	--
Tennessee	561	2.39	8.9	544	0.29	5.0	0	--	--
West South Central	46	3.36	7.3	4,822	0.26	5.0	843	1.22	17.7
Arkansas	0	--	--	1,457	0.26	5.0	0	--	--
Louisiana	46	3.36	7.3	161	0.24	5.1	187	0.86	14.1
Oklahoma	0	--	--	894	0.26	4.9	0	--	--
Texas	0	--	--	2,309	0.26	5.0	656	1.34	18.9
Mountain	2,751	0.57	14.2	5,548	0.54	9.7	0	--	--
Arizona	729	0.60	10.8	1,220	0.72	11.0	0	--	--
Colorado	220	0.45	10.4	1,292	0.30	5.5	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	24	0.34	12.6	145	0.38	8.5	0	--	--
New Mexico	491	0.78	26.9	687	0.79	22.4	0	--	--
Utah	1,287	0.52	12.8	73	1.11	9.1	0	--	--
Wyoming	0	--	--	2,131	0.49	7.6	0	--	--
Pacific Contiguous	0	--	--	148	0.26	4.5	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	148	0.26	4.5	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	19,691	2.25	10.4	25,921	0.33	6.0	2,609	0.96	12.7

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, October 2013

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	139	0.68	6.7	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	2	0.82	7.9	0	--	--	0	--	--
Massachusetts	137	0.68	6.7	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,509	2.79	10.6	21	0.20	4.9	0	--	--
New Jersey	108	1.49	10.4	0	--	--	0	--	--
New York	61	2.54	14.3	21	0.20	4.9	0	--	--
Pennsylvania	2,340	2.85	10.6	0	--	--	0	--	--
East North Central	1,272	3.26	13.7	4,014	0.22	4.7	0	--	--
Illinois	405	3.71	26.6	3,906	0.21	4.7	0	--	--
Indiana	246	3.20	9.9	0	--	--	0	--	--
Michigan	8	1.14	8.4	4	0.22	4.7	0	--	--
Ohio	612	3.10	9.4	105	0.38	5.5	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	2,030	2.76	11.3	16	0.20	4.6	0	--	--
Delaware	46	2.32	8.1	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	52	1.04	10.6	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	662	1.80	9.4	16	0.20	4.6	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	54	0.80	9.6	0	--	--	0	--	--
West Virginia	1,216	3.48	12.5	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	266	0.40	13.9
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	266	0.40	13.9
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	44	1.22	26.8	2,743	0.27	5.0	2,690	0.94	15.5
Arkansas	0	--	--	214	0.27	5.0	0	--	--
Louisiana	0	--	--	621	0.28	4.8	0	--	--
Oklahoma	44	1.22	26.8	55	0.25	4.6	0	--	--
Texas	0	--	--	1,853	0.27	5.1	2,690	0.94	15.5
Mountain	0	--	--	669	0.65	8.8	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	592	0.69	9.3	0	--	--
Nevada	0	--	--	77	0.35	5.2	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	496	0.41	8.5	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	496	0.41	8.5	0	--	--
Pacific Noncontiguous	59	1.16	5.6	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	59	1.16	5.6	0	--	--	0	--	--
U.S. Total	6,054	2.80	11.4	7,959	0.29	5.4	2,956	0.90	15.4

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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, October 2013**

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	0	--	--	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	3	3.34	9.1	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	3	3.34	9.1	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	3	3.34	9.1	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, October 2013**

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	0.82	7.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	1	0.82	7.9	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	48	1.29	9.4	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	41	1.13	9.1	0	--	--	0	--	--
Pennsylvania	8	2.16	10.6	0	--	--	0	--	--
East North Central	167	3.05	8.4	51	0.35	5.4	0	--	--
Illinois	109	3.50	8.3	31	0.41	5.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	7	0.57	9.0	0	--	--	0	--	--
Ohio	17	3.84	11.7	0	--	--	0	--	--
Wisconsin	34	1.85	6.9	20	0.25	5.1	0	--	--
West North Central	33	3.50	8.0	82	0.22	4.4	0	--	--
Iowa	33	3.50	8.0	82	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	148	1.69	11.2	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	32	1.86	9.0	0	--	--	0	--	--
Maryland	27	2.69	20.5	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	20	0.86	7.5	0	--	--	0	--	--
Virginia	39	1.78	8.3	0	--	--	0	--	--
West Virginia	30	1.14	12.8	0	--	--	0	--	--
East South Central	138	0.90	8.9	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	138	0.90	8.9	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	13	0.42	9.5	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	13	0.42	9.5	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	55	0.43	9.1	0	--	--	0	--	--
California	55	0.43	9.1	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	604	1.76	9.4	132	0.27	4.8	0	--	--

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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, 2003 - October 2013 (Million Kilowatthours)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2003	1,275,824	1,198,728	1,012,373	6,810	3,493,734
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	1,379,981	1,335,981	1,009,300	7,700	3,732,962
2009	1,364,474	1,307,168	917,442	7,781	3,596,865
2010	1,445,708	1,330,199	970,873	7,712	3,754,493
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
2011					
January	145,054	108,243	80,077	710	334,084
February	120,121	99,789	76,332	637	296,879
March	104,921	104,263	82,196	664	292,044
April	93,700	100,505	80,356	629	275,190
May	97,688	107,624	82,095	619	288,026
June	125,983	118,169	83,941	643	328,736
July	154,729	128,063	87,245	650	370,686
August	153,739	129,371	89,014	625	372,749
Sept	122,720	117,951	84,959	634	326,263
October	94,585	108,655	84,287	616	288,144
November	93,220	100,552	80,858	590	275,220
December	116,341	104,873	79,956	656	301,826
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
Year to Date					
2011	1,213,240	1,122,633	830,501	6,427	3,172,800
2012	1,163,172	1,121,338	828,507	6,133	3,119,150
2013	1,164,921	1,126,150	800,985	6,298	3,098,354
Rolling 12 Months Ending in October					
2012	1,372,733	1,326,763	989,321	7,378	3,696,196
2013	1,376,264	1,331,913	958,192	7,485	3,673,854

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 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, 2003 - October 2013 (Million Dollars)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2003	111,249	96,263	51,741	514	259,767
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	155,433	138,469	68,920	827	363,650
2009	157,008	132,940	62,504	828	353,280
2010	166,782	135,559	65,750	815	368,906
2011	166,714	135,926	67,606	803	371,049
2012	163,280	133,898	65,761	747	363,687
2011					
January	15,770	10,590	5,228	73	31,662
February	13,286	9,968	5,058	67	28,380
March	12,090	10,354	5,369	68	27,881
April	10,936	10,015	5,243	63	26,257
May	11,656	10,962	5,481	66	28,166
June	15,079	12,592	5,993	71	33,736
July	18,709	13,661	6,381	73	38,824
August	18,582	13,874	6,583	68	39,107
Sept	14,934	12,494	6,076	68	33,572
October	11,427	11,142	5,706	63	28,338
November	10,982	10,034	5,281	59	26,355
December	13,262	10,241	5,205	64	28,772
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
Year to Date					
2011	142,470	115,652	57,120	680	315,922
2012	138,591	113,634	55,530	625	308,381
2013	141,674	116,447	54,952	647	313,720
Rolling 12 Months Ending in October					
2012	162,835	133,909	66,016	747	363,508
2013	166,363	136,711	65,183	770	369,027

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 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, 2003 - October 2013 (Cents per Kilowatthour)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2003	8.72	8.03	5.11	7.54	7.44
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	10.36	6.83	10.74	9.74
2009	11.51	10.17	6.81	10.65	9.82
2010	11.54	10.19	6.77	10.57	9.83
2011	11.72	10.23	6.82	10.46	9.90
2012	11.88	10.09	6.67	10.21	9.84
2011					
January	10.87	9.78	6.53	10.29	9.48
February	11.06	9.99	6.63	10.55	9.56
March	11.52	9.93	6.53	10.24	9.55
April	11.67	9.96	6.53	9.97	9.54
May	11.93	10.19	6.68	10.70	9.78
June	11.97	10.66	7.14	11.01	10.26
July	12.09	10.67	7.31	11.21	10.47
August	12.09	10.72	7.40	10.82	10.49
Sept	12.17	10.59	7.15	10.80	10.29
October	12.08	10.25	6.77	10.25	9.83
November	11.78	9.98	6.53	9.93	9.58
December	11.40	9.77	6.51	9.79	9.53
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
Year to Date					
2011	11.74	10.30	6.88	10.58	9.96
2012	11.91	10.13	6.70	10.18	9.89
2013	12.16	10.34	6.86	10.28	10.13
Rolling 12 Months Ending in October					
2012	11.86	10.09	6.67	10.13	9.83
2013	12.09	10.26	6.80	10.29	10.04

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 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, October 2013 and 2012 (Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	3,251	3,335	3,601	3,613	2,217	2,267	46	45	9,115	9,261
Connecticut	815	846	1,014	1,010	283	276	16	16	2,128	2,148
Maine	359	360	358	352	290	280	0	0	1,007	992
Massachusetts	1,396	1,427	1,408	1,435	1,295	1,362	28	27	4,128	4,251
New Hampshire	304	313	351	364	161	163	0	0	816	839
Rhode Island	222	229	305	297	76	75	2	2	605	603
Vermont	154	161	165	156	113	111	0	0	432	428
Middle Atlantic	9,014	9,017	12,681	12,580	5,791	5,817	306	327	27,792	27,742
New Jersey	1,875	1,846	3,112	2,995	646	622	21	23	5,655	5,487
New York	3,567	3,600	6,128	6,140	1,079	1,201	224	222	10,999	11,163
Pennsylvania	3,571	3,571	3,441	3,444	4,066	3,995	61	81	11,139	11,092
East North Central	12,674	12,211	15,254	15,128	16,291	16,783	45	45	44,264	44,167
Illinois	3,126	3,022	4,213	4,174	3,614	3,686	40	40	10,993	10,922
Indiana	2,199	2,105	2,014	1,925	3,817	3,982	2	2	8,032	8,013
Michigan	2,361	2,242	3,163	3,295	2,705	2,700	1	0	8,230	8,238
Ohio	3,462	3,320	3,916	3,855	4,138	4,450	3	2	11,518	11,628
Wisconsin	1,526	1,521	1,949	1,880	2,016	1,966	0	0	5,492	5,366
West North Central	6,860	6,469	8,275	8,137	7,348	7,509	3	3	22,486	22,118
Iowa	938	859	1,034	1,032	1,688	1,666	0	0	3,661	3,557
Kansas	868	843	1,280	1,247	922	888	0	0	3,069	2,978
Minnesota	1,541	1,522	1,829	1,847	1,885	1,929	1	1	5,257	5,300
Missouri	2,215	2,068	2,504	2,444	1,365	1,473	2	2	6,085	5,987
Nebraska	664	570	805	768	825	906	0	0	2,294	2,244
North Dakota	319	317	444	431	439	428	0	0	1,202	1,176
South Dakota	315	290	380	369	223	218	0	0	919	877
South Atlantic	24,818	24,001	25,589	24,898	12,032	12,125	109	103	62,547	61,127
Delaware	266	244	341	320	208	266	0	0	815	830
District of Columbia	125	118	689	688	16	17	27	26	857	849
Florida	9,880	9,575	8,026	7,874	1,381	1,360	8	7	19,295	18,815
Georgia	3,775	3,579	3,823	3,706	2,724	2,619	13	13	10,335	9,917
Maryland	1,803	1,727	2,316	2,345	330	341	43	41	4,493	4,453
North Carolina	3,513	3,404	3,962	3,778	2,347	2,495	1	1	9,822	9,677
South Carolina	1,911	1,864	1,784	1,720	2,506	2,454	0	0	6,201	6,038
Virginia	2,820	2,739	3,992	3,806	1,495	1,506	16	16	8,323	8,067
West Virginia	724	751	656	662	1,025	1,068	0	0	2,406	2,481
East South Central	8,047	7,490	7,434	6,647	8,805	10,351	0	0	24,285	24,488
Alabama	2,143	2,022	1,853	1,740	3,008	2,803	0	0	7,003	6,565
Kentucky	1,690	1,621	1,590	1,515	2,586	3,784	0	0	5,866	6,920
Mississippi	1,453	1,324	1,215	1,155	1,426	1,406	0	0	4,094	3,885
Tennessee	2,762	2,522	2,776	2,238	1,785	2,357	0	0	7,323	7,117
West South Central	16,319	15,232	16,841	16,163	13,362	13,222	9	7	46,530	44,624
Arkansas	1,336	1,220	1,049	1,008	1,461	1,406	NM	0	3,845	3,634
Louisiana	2,581	2,369	2,171	2,077	2,533	2,428	1	1	7,285	6,875
Oklahoma	1,501	1,427	1,606	1,644	1,343	1,339	0	0	4,450	4,411
Texas	10,901	10,216	12,014	11,434	8,026	8,050	8	6	30,950	29,705
Mountain	6,383	6,721	7,517	7,726	6,690	6,876	10	8	20,600	21,331
Arizona	2,067	2,399	2,367	2,471	1,083	1,063	0	0	5,518	5,933
Colorado	1,385	1,355	1,593	1,599	1,285	1,295	5	4	4,268	4,254
Idaho	590	558	497	498	611	702	0	0	1,698	1,758
Montana	351	316	416	403	332	338	0	0	1,098	1,058
Nevada	661	816	745	760	1,111	1,152	1	1	2,517	2,728
New Mexico	471	473	712	745	627	626	0	0	1,809	1,844
Utah	657	618	863	911	790	869	4	3	2,314	2,401
Wyoming	201	185	326	340	852	831	0	0	1,379	1,355
Pacific Contiguous	10,901	11,795	14,463	15,058	7,492	7,608	61	62	32,916	34,523
California	6,985	8,191	10,710	11,313	4,139	4,253	58	60	21,893	23,817
Oregon	1,450	1,287	1,315	1,329	1,027	1,043	2	2	3,794	3,661
Washington	2,466	2,317	2,438	2,416	2,325	2,312	0	1	7,229	7,044
Pacific Noncontiguous	390	399	517	520	435	437	0	0	1,341	1,355
Alaska	166	164	228	232	111	114	0	0	504	511
Hawaii	224	234	290	288	324	322	0	0	837	844
U.S. Total	98,656	96,669	112,171	110,471	80,463	82,996	589	599	291,879	290,735

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 for 2012 are final. Values for 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.

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 October 2013 and 2012 (Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	October 2013 YTD	October 2012 YTD								
New England	40,071	39,448	37,706	37,764	22,579	23,317	480	471	100,837	101,000
Connecticut	10,947	10,707	10,979	10,960	2,866	3,013	161	161	24,953	24,842
Maine	3,816	3,697	3,429	3,406	2,561	2,540	0	0	9,806	9,643
Massachusetts	17,138	17,008	14,738	14,904	13,556	14,165	297	289	45,729	46,366
New Hampshire	3,786	3,706	3,789	3,762	1,643	1,641	0	0	9,218	9,110
Rhode Island	2,647	2,615	3,076	3,059	780	778	22	20	6,526	6,472
Vermont	1,737	1,715	1,695	1,672	1,174	1,181	0	0	4,606	4,568
Middle Atlantic	111,853	111,399	132,396	132,870	57,439	58,341	3,356	3,286	305,044	305,897
New Jersey	24,189	24,498	32,114	32,485	6,197	6,621	274	245	62,773	63,849
New York	42,771	42,814	64,146	64,297	11,182	11,355	2,385	2,303	120,484	120,770
Pennsylvania	44,893	44,087	36,136	36,088	40,060	40,365	698	738	121,787	121,278
East North Central	154,827	157,852	153,729	154,744	162,443	170,722	536	507	471,535	483,825
Illinois	38,560	39,787	42,695	42,834	36,493	38,095	478	457	118,226	121,173
Indiana	27,270	27,588	20,473	20,383	38,539	40,478	17	17	86,299	88,465
Michigan	28,120	28,789	31,702	32,406	25,561	26,977	5	6	85,387	88,178
Ohio	42,803	43,373	39,344	39,559	42,255	45,385	36	28	124,438	128,345
Wisconsin	18,073	18,316	19,516	19,562	19,596	19,787	0	0	57,185	57,664
West North Central	86,869	86,056	84,236	83,750	72,927	76,573	34	32	244,066	246,411
Iowa	11,900	11,679	10,269	10,259	16,278	16,347	0	0	38,448	38,284
Kansas	11,413	11,820	13,046	13,096	8,858	9,264	0	0	33,316	34,179
Minnesota	18,564	18,275	18,861	18,824	18,561	19,645	16	14	56,002	56,759
Missouri	28,872	28,960	25,936	25,798	13,942	14,733	18	18	68,769	69,509
Nebraska	8,301	8,139	7,825	7,790	8,850	10,056	0	0	24,975	25,985
North Dakota	3,952	3,505	4,416	4,172	4,261	4,235	0	0	12,628	11,912
South Dakota	3,867	3,678	3,883	3,811	2,177	2,293	0	0	9,927	9,782
South Atlantic	287,327	284,924	256,036	256,745	116,850	117,402	1,111	1,086	661,323	660,156
Delaware	3,808	3,798	3,498	3,562	2,152	2,319	0	0	9,458	9,679
District of Columbia	1,717	1,690	7,170	7,359	190	183	276	272	9,352	9,503
Florida	96,211	96,914	77,071	78,119	14,067	13,777	77	70	187,426	188,879
Georgia	45,642	45,719	38,840	38,942	26,197	26,350	132	133	110,811	111,143
Maryland	22,570	22,209	25,349	25,460	3,281	3,897	452	442	51,652	52,008
North Carolina	46,558	45,641	39,566	39,295	22,579	22,627	6	6	108,710	107,569
South Carolina	24,363	23,952	17,978	18,075	24,147	23,757	0	0	66,487	65,783
Virginia	37,087	35,972	40,045	39,413	14,214	14,586	164	159	91,509	90,129
West Virginia	9,371	9,031	6,520	6,519	10,024	9,908	3	3	25,918	25,462
East South Central	98,235	97,101	76,576	70,012	92,135	103,290	1	1	266,948	270,405
Alabama	26,297	25,947	18,907	18,537	28,673	28,365	0	0	73,877	72,848
Kentucky	22,006	21,849	17,739	15,916	31,185	36,833	0	0	70,930	74,598
Mississippi	15,679	15,479	11,580	11,592	13,927	14,044	0	0	41,185	41,115
Tennessee	34,254	33,826	28,350	23,968	18,350	24,048	1	1	80,956	81,844
West South Central	180,442	180,355	161,373	160,729	130,808	133,017	70	68	472,694	474,169
Arkansas	15,347	15,457	10,087	10,352	13,998	14,196	NM	0	39,433	40,005
Louisiana	26,079	25,985	20,484	20,584	25,770	25,464	9	9	72,342	72,041
Oklahoma	19,354	19,604	16,471	16,929	13,646	13,838	0	0	49,471	50,371
Texas	119,663	119,310	114,331	112,864	77,394	79,519	60	59	311,448	311,752
Mountain	81,882	81,140	79,109	79,457	69,610	69,158	102	81	230,702	229,836
Arizona	29,028	28,879	25,498	25,238	10,536	10,401	0	0	65,063	64,518
Colorado	15,524	15,321	16,532	16,802	12,939	12,923	51	43	45,045	45,088
Idaho	6,886	6,619	5,058	4,995	8,267	8,465	0	0	20,211	20,079
Montana	3,967	3,895	4,051	4,117	3,493	3,474	0	0	11,511	11,485
Nevada	10,633	10,749	7,912	7,901	11,436	11,543	7	7	29,988	30,200
New Mexico	5,737	5,738	7,587	7,740	6,155	6,037	0	0	19,479	19,514
Utah	7,824	7,726	9,114	9,098	8,332	8,060	45	31	25,315	24,915
Wyoming	2,284	2,213	3,357	3,567	8,450	8,256	0	0	14,090	14,036
Pacific Contiguous	119,552	120,885	139,952	140,203	72,051	72,501	608	601	332,162	334,189
California	75,294	76,567	102,196	102,701	38,896	39,339	585	574	216,971	219,181
Oregon	15,332	15,249	13,279	13,189	10,051	10,115	19	21	38,681	38,573
Washington	28,926	29,069	24,477	24,313	23,103	23,047	5	6	76,511	76,435
Pacific Noncontiguous	3,864	4,011	5,037	5,064	4,142	4,186	0	0	13,042	13,261
Alaska	1,694	1,724	2,330	2,366	1,112	1,134	0	0	5,135	5,224
Hawaii	2,170	2,287	2,707	2,698	3,030	3,052	0	0	7,907	8,037
U.S. Total	1,164,921	1,163,172	1,126,150	1,121,338	800,985	828,507	6,298	6,133	3,098,354	3,119,150

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

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Notes: - See Glossary for definitions. - Values for 2012 are final. Values for 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.

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, October 2013 and 2012 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	532	521	489	479	255	259	6	3	1,282	1,262
Connecticut	152	153	148	149	36	36	2	1	337	339
Maine	52	53	40	39	22	23	0	0	114	115
Massachusetts	218	205	196	187	161	163	4	1	578	556
New Hampshire	51	50	47	48	18	19	0	0	116	118
Rhode Island	32	31	34	33	8	8	0	0	74	72
Vermont	27	28	25	23	11	11	0	0	63	62
Middle Atlantic	1,435	1,401	1,632	1,614	415	422	37	40	3,519	3,477
New Jersey	291	280	387	363	67	62	2	2	747	708
New York	674	664	931	929	69	73	30	31	1,704	1,698
Pennsylvania	469	457	314	322	279	286	5	6	1,067	1,071
East North Central	1,575	1,517	1,461	1,424	1,076	1,092	2	3	4,114	4,036
Illinois	340	360	336	325	211	210	2	2	889	897
Indiana	254	234	195	173	253	247	0	0	702	654
Michigan	354	319	351	359	205	201	0	0	910	879
Ohio	415	401	367	370	256	290	0	0	1,038	1,061
Wisconsin	212	204	212	197	150	143	0	0	575	545
West North Central	758	690	720	678	468	456	0	0	1,947	1,824
Iowa	110	94	88	81	96	85	0	0	294	261
Kansas	101	95	121	117	63	62	0	0	285	274
Minnesota	188	176	172	165	131	126	0	0	491	467
Missouri	225	204	199	184	74	80	0	0	498	469
Nebraska	70	59	69	65	57	60	0	0	196	185
North Dakota	31	30	38	35	32	28	0	0	101	93
South Dakota	34	31	33	30	16	15	0	0	82	76
South Atlantic	2,869	2,755	2,403	2,329	772	775	9	9	6,052	5,868
Delaware	37	35	34	33	17	22	0	0	89	91
District of Columbia	16	15	82	83	1	1	3	2	102	101
Florida	1,119	1,104	758	763	104	107	1	1	1,982	1,974
Georgia	416	390	369	354	158	151	1	1	944	896
Maryland	247	225	254	247	27	28	4	4	532	504
North Carolina	414	388	356	332	154	156	0	0	924	876
South Carolina	234	220	170	160	148	142	0	0	552	522
Virginia	316	302	327	299	100	101	1	1	745	703
West Virginia	69	76	52	58	62	67	0	0	184	201
East South Central	853	793	730	651	497	603	0	0	2,080	2,047
Alabama	253	237	198	187	170	164	0	0	621	587
Kentucky	166	158	139	128	137	197	0	0	443	483
Mississippi	159	137	125	106	84	80	0	0	369	323
Tennessee	274	263	268	229	106	162	0	0	648	653
West South Central	1,811	1,604	1,369	1,284	775	706	1	1	3,956	3,595
Arkansas	127	114	82	78	82	79	NM	0	292	272
Louisiana	249	206	194	164	149	121	0	0	592	491
Oklahoma	159	144	127	120	69	63	0	0	355	327
Texas	1,276	1,140	966	921	475	444	1	1	2,718	2,505
Mountain	735	741	717	710	443	437	1	1	1,895	1,889
Arizona	249	273	235	240	75	74	0	0	558	587
Colorado	162	154	159	155	90	95	1	0	412	404
Idaho	59	51	38	35	35	36	0	0	132	121
Montana	38	33	40	38	18	17	0	0	96	89
Nevada	86	98	72	68	78	75	0	0	236	241
New Mexico	55	54	68	70	40	37	0	0	162	162
Utah	66	59	75	75	49	50	0	0	191	186
Wyoming	21	19	30	29	57	52	0	0	109	100
Pacific Contiguous	1,462	1,495	1,896	1,827	652	624	5	5	4,015	3,950
California	1,098	1,165	1,592	1,529	491	466	5	4	3,186	3,164
Oregon	147	129	114	112	60	60	0	0	321	301
Washington	217	201	190	186	101	98	0	0	508	486
Pacific Noncontiguous	113	116	136	135	114	116	0	0	363	367
Alaska	30	29	36	36	16	18	0	0	83	84
Hawaii	83	87	99	99	98	98	0	0	280	283
U.S. Total	12,142	11,633	11,553	11,131	5,468	5,491	61	61	29,223	28,316

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 for 2012 are final. Values for 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.

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 October 2013 and 2012 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	October 2013 YTD	October 2012 YTD								
New England	6,385	6,206	5,258	5,158	2,751	2,766	40	31	14,435	14,162
Connecticut	1,919	1,856	1,605	1,606	363	382	16	16	3,903	3,860
Maine	548	541	397	392	212	199	0	0	1,157	1,132
Massachusetts	2,608	2,549	2,109	2,055	1,780	1,790	NM	14	6,518	6,408
New Hampshire	620	597	510	502	187	193	0	0	1,316	1,293
Rhode Island	394	376	389	363	91	83	3	1	876	823
Vermont	297	287	248	241	119	118	0	0	664	647
Middle Atlantic	17,665	17,072	17,410	17,347	4,205	4,386	412	408	39,691	39,214
New Jersey	3,821	3,884	4,141	4,188	667	697	28	24	8,658	8,792
New York	8,094	7,555	9,917	9,761	727	773	329	326	19,067	18,415
Pennsylvania	5,750	5,633	3,351	3,398	2,811	2,917	55	59	11,967	12,007
East North Central	18,704	19,088	14,687	14,667	10,722	11,110	31	32	44,144	44,896
Illinois	3,993	4,555	3,385	3,440	2,105	2,225	27	28	9,509	10,249
Indiana	2,967	2,907	1,941	1,863	2,539	2,568	2	2	7,448	7,339
Michigan	4,116	4,075	3,526	3,548	2,007	2,047	0	0	9,649	9,671
Ohio	5,134	5,122	3,703	3,748	2,582	2,807	2	2	11,422	11,679
Wisconsin	2,494	2,428	2,131	2,068	1,489	1,463	0	0	6,115	5,959
West North Central	9,647	9,227	7,634	7,175	4,864	4,855	3	3	22,147	21,259
Iowa	1,341	1,277	878	830	935	876	0	0	3,155	2,982
Kansas	1,329	1,335	1,253	1,216	630	659	0	0	3,213	3,210
Minnesota	2,234	2,089	1,813	1,672	1,314	1,290	2	1	5,363	5,052
Missouri	3,107	3,002	2,311	2,153	875	884	1	1	6,294	6,040
Nebraska	871	830	681	658	650	719	0	0	2,201	2,207
North Dakota	364	322	369	336	307	278	0	0	1,040	936
South Dakota	401	373	329	310	152	151	0	0	882	834
South Atlantic	32,778	32,561	24,014	24,083	7,596	7,714	96	91	64,484	64,450
Delaware	495	518	358	358	183	193	0	0	1,036	1,069
District of Columbia	215	208	854	888	12	10	26	24	1,107	1,131
Florida	10,911	11,042	7,296	7,518	1,083	1,107	7	6	19,297	19,673
Georgia	5,211	5,180	3,824	3,742	1,613	1,587	11	10	10,659	10,520
Maryland	2,986	2,864	2,709	2,673	275	315	38	36	6,008	5,888
North Carolina	5,100	5,018	3,455	3,420	1,438	1,464	0	0	9,994	9,902
South Carolina	2,887	2,818	1,761	1,733	1,421	1,431	0	0	6,068	5,982
Virginia	4,073	4,021	3,223	3,202	945	982	13	14	8,255	8,218
West Virginia	899	892	535	549	625	626	0	0	2,059	2,067
East South Central	10,285	10,018	7,525	6,894	5,538	6,362	0	0	23,348	23,274
Alabama	2,997	2,976	2,001	1,972	1,744	1,782	0	0	6,742	6,730
Kentucky	2,145	2,060	1,499	1,387	1,684	1,985	0	0	5,328	5,431
Mississippi	1,694	1,584	1,177	1,078	904	884	0	0	3,775	3,546
Tennessee	3,448	3,398	2,849	2,457	1,206	1,711	0	0	7,503	7,567
West South Central	19,422	18,577	13,130	12,880	7,700	7,175	7	7	40,259	38,639
Arkansas	1,467	1,438	808	798	830	821	NM	0	3,105	3,057
Louisiana	2,469	2,173	1,838	1,586	1,530	1,205	1	1	5,838	4,964
Oklahoma	1,897	1,877	1,288	1,252	735	711	0	0	3,919	3,841
Texas	13,589	13,088	9,196	9,244	4,605	4,438	6	6	27,397	26,777
Mountain	9,333	8,938	7,449	7,183	4,557	4,334	11	8	21,350	20,463
Arizona	3,437	3,292	2,544	2,430	716	690	0	0	6,697	6,412
Colorado	1,852	1,763	1,635	1,579	936	900	5	4	4,428	4,247
Idaho	644	575	373	344	512	472	0	0	1,530	1,391
Montana	414	394	386	375	187	177	0	0	988	945
Nevada	1,254	1,268	706	697	773	784	1	1	2,734	2,750
New Mexico	678	660	746	724	392	354	0	0	1,816	1,738
Utah	820	770	771	741	499	459	5	3	2,095	1,973
Wyoming	232	217	289	293	541	497	0	0	1,062	1,008
Pacific Contiguous	16,344	15,735	18,060	16,947	5,941	5,688	47	44	40,392	38,414
California	12,313	11,763	15,055	13,990	4,386	4,172	45	42	31,799	29,967
Oregon	1,522	1,496	1,115	1,097	587	564	2	2	3,226	3,159
Washington	2,509	2,476	1,890	1,860	968	952	0	0	5,367	5,288
Pacific Noncontiguous	1,111	1,169	1,282	1,300	1,077	1,139	0	0	3,470	3,609
Alaska	308	312	360	354	174	193	0	0	842	860
Hawaii	803	858	922	946	903	946	0	0	2,628	2,750
U.S. Total	141,674	138,591	116,447	113,634	54,952	55,530	647	625	313,720	308,381

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, October 2013 and 2012 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	16.37	15.61	13.58	13.25	11.50	11.43	12.40	6.90	14.06	13.62
Connecticut	18.61	18.08	14.57	14.73	12.67	12.92	9.90	9.34	15.83	15.77
Maine	14.45	14.76	11.25	11.19	7.57	8.09	--	--	11.33	11.61
Massachusetts	15.63	14.38	13.89	13.05	12.40	11.95	13.73	5.07	14.01	13.09
New Hampshire	16.73	16.03	13.38	13.21	11.00	11.95	--	--	14.16	14.02
Rhode Island	14.55	13.66	11.04	11.01	10.04	10.14	13.68	12.76	12.22	11.92
Vermont	17.66	17.51	15.00	14.62	10.01	9.83	--	--	14.64	14.46
Middle Atlantic	15.91	15.54	12.87	12.83	7.17	7.25	12.02	12.23	12.66	12.53
New Jersey	15.54	15.17	12.43	12.13	10.31	9.98	10.54	10.09	13.21	12.90
New York	18.89	18.44	15.19	15.14	6.43	6.09	13.24	14.07	15.49	15.21
Pennsylvania	13.14	12.80	9.13	9.34	6.87	7.17	8.06	7.83	9.58	9.66
East North Central	12.43	12.42	9.58	9.41	6.61	6.51	5.55	5.77	9.29	9.14
Illinois	10.86	11.91	7.98	7.79	5.84	5.69	5.24	5.49	8.09	8.21
Indiana	11.55	11.09	9.67	8.99	6.64	6.21	9.86	9.16	8.74	8.16
Michigan	14.99	14.22	11.11	10.90	7.58	7.46	9.83	8.89	11.06	10.68
Ohio	11.99	12.06	9.36	9.59	6.20	6.53	6.92	7.48	9.01	9.12
Wisconsin	13.92	13.43	10.88	10.49	7.46	7.29	--	--	10.47	10.15
West North Central	11.05	10.67	8.70	8.33	6.38	6.07	8.06	7.09	8.66	8.25
Iowa	11.70	10.99	8.53	7.88	5.69	5.12	--	--	8.03	7.34
Kansas	11.62	11.29	9.47	9.36	6.80	6.95	--	--	9.27	9.19
Minnesota	12.20	11.54	9.38	8.93	6.95	6.55	9.47	8.53	9.33	8.81
Missouri	10.15	9.89	7.96	7.55	5.44	5.42	6.93	5.84	8.19	7.83
Nebraska	10.47	10.43	8.57	8.52	6.96	6.60	--	--	8.54	8.23
North Dakota	9.72	9.42	8.55	8.14	7.20	6.62	--	--	8.37	7.93
South Dakota	10.90	10.66	8.57	8.24	6.97	6.70	--	--	8.98	8.65
South Atlantic	11.56	11.48	9.39	9.35	6.41	6.39	8.33	8.55	9.68	9.60
Delaware	14.04	14.53	10.10	10.36	8.29	8.40	--	--	10.93	10.96
District of Columbia	13.03	12.35	11.89	12.10	6.08	5.66	9.32	9.44	11.86	11.93
Florida	11.33	11.53	9.44	9.69	7.53	7.85	8.55	8.70	10.27	10.49
Georgia	11.02	10.89	9.65	9.56	5.81	5.78	6.84	6.62	9.13	9.04
Maryland	13.67	13.03	10.99	10.54	8.28	8.22	8.09	8.73	11.84	11.31
North Carolina	11.78	11.41	8.99	8.78	6.57	6.26	8.24	7.98	9.41	9.06
South Carolina	12.24	11.80	9.52	9.30	5.90	5.79	--	--	8.89	8.65
Virginia	11.22	11.03	8.19	7.85	6.69	6.69	8.46	8.22	8.95	8.71
West Virginia	9.59	10.18	7.99	8.70	6.03	6.26	7.41	7.80	7.63	8.10
East South Central	10.59	10.59	9.83	9.79	5.65	5.82	11.59	12.32	8.57	8.36
Alabama	11.80	11.71	10.70	10.76	5.65	5.83	--	--	8.87	8.95
Kentucky	9.83	9.72	8.77	8.47	5.32	5.21	--	--	7.55	6.98
Mississippi	10.97	10.31	10.27	9.20	5.92	5.70	--	--	9.00	8.31
Tennessee	9.92	10.41	9.65	10.23	5.92	6.87	11.59	12.32	8.84	9.18
West South Central	11.10	10.53	8.13	7.94	5.80	5.34	9.33	10.40	8.50	8.06
Arkansas	9.54	9.39	7.83	7.76	5.62	5.62	NM	11.40	7.59	7.48
Louisiana	9.64	8.68	8.94	7.91	5.89	4.98	9.31	9.55	8.13	7.14
Oklahoma	10.59	10.09	7.93	7.31	5.13	4.70	--	--	7.98	7.41
Texas	11.70	11.16	8.04	8.06	5.92	5.51	9.32	10.52	8.78	8.43
Mountain	11.51	11.03	9.54	9.19	6.61	6.35	10.60	9.92	9.20	8.86
Arizona	12.02	11.36	9.93	9.72	6.88	6.95	--	--	10.12	9.89
Colorado	11.69	11.33	10.00	9.70	7.04	7.32	10.04	9.90	9.66	9.50
Idaho	9.93	9.11	7.70	6.94	5.80	5.12	--	--	7.79	6.90
Montana	10.69	10.54	9.59	9.37	5.48	5.14	--	--	8.70	8.37
Nevada	12.98	12.04	9.65	8.90	7.01	6.54	9.19	8.43	9.36	8.84
New Mexico	11.58	11.51	9.53	9.41	6.38	5.98	--	--	8.97	8.78
Utah	10.10	9.59	8.69	8.28	6.17	5.81	11.56	10.30	8.24	7.73
Wyoming	10.58	10.36	9.15	8.59	6.74	6.24	--	--	7.87	7.39
Pacific Contiguous	13.41	12.67	13.11	12.13	8.70	8.21	8.35	7.33	12.20	11.44
California	15.71	14.22	14.87	13.52	11.86	10.95	8.32	7.29	14.55	13.29
Oregon	10.13	10.00	8.66	8.40	5.87	5.76	9.13	8.52	8.47	8.21
Washington	8.81	8.68	7.79	7.70	4.33	4.25	8.57	8.33	7.03	6.89
Pacific Noncontiguous	29.03	29.07	26.27	25.92	26.24	26.64	--	--	27.06	27.08
Alaska	17.93	17.82	16.03	15.53	14.88	16.02	--	--	16.40	16.37
Hawaii	37.27	36.96	34.31	34.32	30.12	30.41	--	--	33.48	33.56
U.S. Total	12.31	12.03	10.30	10.08	6.80	6.62	10.41	10.13	10.01	9.74

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 for 2012 are final. Values for 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.

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 October 2013 and 2012 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	October 2013 YTD	October 2012 YTD								
New England	15.93	15.73	13.94	13.66	12.18	11.86	8.38	6.62	14.31	14.02
Connecticut	17.53	17.33	14.62	14.65	12.66	12.69	10.03	9.79	15.64	15.54
Maine	14.35	14.64	11.58	11.49	8.27	7.85	--	--	11.79	11.74
Massachusetts	15.22	14.99	14.31	13.79	13.13	12.64	NM	4.80	14.25	13.82
New Hampshire	16.37	16.11	13.45	13.35	11.37	11.78	--	--	14.28	14.19
Rhode Island	14.88	14.39	12.65	11.86	11.62	10.64	13.11	7.41	13.43	12.72
Vermont	17.13	16.75	14.61	14.41	10.14	10.01	--	--	14.42	14.15
Middle Atlantic	15.79	15.32	13.15	13.06	7.32	7.52	12.27	12.43	13.01	12.82
New Jersey	15.80	15.85	12.90	12.89	10.77	10.53	10.26	9.66	13.79	13.77
New York	18.92	17.65	15.46	15.18	6.50	6.80	13.79	14.17	15.83	15.25
Pennsylvania	12.81	12.78	9.27	9.42	7.02	7.23	7.84	7.92	9.83	9.90
East North Central	12.08	12.09	9.55	9.48	6.60	6.51	5.79	6.40	9.36	9.28
Illinois	10.35	11.45	7.93	8.03	5.77	5.84	5.55	6.23	8.04	8.46
Indiana	10.88	10.54	9.48	9.14	6.59	6.34	9.84	9.50	8.63	8.30
Michigan	14.64	14.15	11.12	10.95	7.85	7.59	9.45	7.97	11.30	10.97
Ohio	12.00	11.81	9.41	9.47	6.11	6.18	6.57	6.95	9.18	9.10
Wisconsin	13.80	13.26	10.92	10.57	7.60	7.40	--	--	10.69	10.33
West North Central	11.11	10.72	9.06	8.57	6.67	6.34	8.93	7.90	9.07	8.63
Iowa	11.27	10.93	8.55	8.09	5.75	5.36	--	--	8.20	7.79
Kansas	11.65	11.30	9.60	9.28	7.11	7.11	--	--	9.64	9.39
Minnesota	12.04	11.43	9.61	8.88	7.08	6.57	9.84	8.70	9.58	8.90
Missouri	10.76	10.37	8.91	8.34	6.28	6.00	8.15	7.26	9.15	8.69
Nebraska	10.49	10.19	8.70	8.45	7.34	7.14	--	--	8.81	8.49
North Dakota	9.22	9.19	8.35	8.05	7.20	6.56	--	--	8.24	7.85
South Dakota	10.36	10.13	8.48	8.14	6.97	6.58	--	--	8.88	8.52
South Atlantic	11.41	11.43	9.38	9.38	6.50	6.57	8.64	8.41	9.75	9.76
Delaware	13.01	13.63	10.22	10.06	8.50	8.32	--	--	10.95	11.04
District of Columbia	12.55	12.32	11.91	12.07	6.10	5.36	9.54	8.93	11.84	11.90
Florida	11.34	11.39	9.47	9.62	7.70	8.04	8.63	8.41	10.30	10.42
Georgia	11.42	11.33	9.85	9.61	6.16	6.02	8.13	7.81	9.62	9.46
Maryland	13.23	12.90	10.69	10.50	8.38	8.07	8.45	8.23	11.63	11.32
North Carolina	10.95	10.99	8.73	8.70	6.37	6.47	7.89	7.88	9.19	9.20
South Carolina	11.85	11.77	9.79	9.59	5.88	6.02	--	--	9.13	9.09
Virginia	10.98	11.18	8.05	8.12	6.65	6.73	8.11	8.54	9.02	9.12
West Virginia	9.59	9.88	8.20	8.42	6.24	6.32	8.58	8.61	7.94	8.12
East South Central	10.47	10.32	9.83	9.85	6.01	6.16	11.59	11.31	8.75	8.61
Alabama	11.40	11.47	10.58	10.64	6.08	6.28	--	--	9.13	9.24
Kentucky	9.75	9.43	8.45	8.71	5.40	5.39	--	--	7.51	7.28
Mississippi	10.80	10.23	10.16	9.30	6.49	6.29	--	--	9.17	8.62
Tennessee	10.07	10.05	10.05	10.25	6.57	7.12	11.59	11.31	9.27	9.25
West South Central	10.76	10.30	8.14	8.01	5.89	5.39	10.14	10.30	8.52	8.15
Arkansas	9.56	9.30	8.01	7.71	5.93	5.78	NM	11.26	7.87	7.64
Louisiana	9.47	8.36	8.97	7.70	5.94	4.73	9.63	8.65	8.07	6.89
Oklahoma	9.80	9.58	7.82	7.40	5.38	5.14	--	--	7.92	7.63
Texas	11.36	10.97	8.04	8.19	5.95	5.58	10.21	10.54	8.80	8.59
Mountain	11.40	11.02	9.42	9.04	6.55	6.27	10.49	9.58	9.25	8.90
Arizona	11.84	11.40	9.98	9.63	6.79	6.63	--	--	10.29	9.94
Colorado	11.93	11.51	9.89	9.40	7.23	6.97	10.56	9.60	9.83	9.42
Idaho	9.35	8.68	7.38	6.88	6.20	5.58	--	--	7.57	6.93
Montana	10.44	10.11	9.52	9.10	5.37	5.09	--	--	8.58	8.23
Nevada	11.79	11.80	8.92	8.82	6.76	6.79	8.52	8.52	9.12	9.11
New Mexico	11.82	11.50	9.83	9.35	6.37	5.87	--	--	9.32	8.91
Utah	10.49	9.97	8.46	8.14	5.99	5.70	10.72	9.80	8.28	7.92
Wyoming	10.18	9.82	8.61	8.22	6.40	6.02	--	--	7.54	7.18
Pacific Contiguous	13.67	13.02	12.90	12.09	8.25	7.85	7.76	7.29	12.16	11.49
California	16.35	15.36	14.73	13.62	11.28	10.61	7.72	7.25	14.66	13.67
Oregon	9.93	9.81	8.40	8.32	5.84	5.58	8.89	8.27	8.34	8.19
Washington	8.67	8.52	7.72	7.65	4.19	4.13	8.26	7.95	7.01	6.92
Pacific Noncontiguous	28.75	29.15	25.44	25.68	26.01	27.22	--	--	26.60	27.22
Alaska	18.18	18.09	15.45	14.98	15.66	17.06	--	--	16.40	16.46
Hawaii	37.00	37.50	34.05	35.06	29.81	30.99	--	--	33.23	34.21
U.S. Total	12.16	11.91	10.34	10.13	6.86	6.70	10.28	10.18	10.13	9.89

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 for 2012 are final. Values for 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.

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, September 2013 to October 2013

Technology	As of end of September 2013			Activity During October 2013		As of end of October 2013					Net Change in Capacity		
	Total In-Service Capacity	Planned Capacity Additions for October 2013	Planned Capacity Reductions for October 2013	Actual Capacity Additions	Actual Capacity Reductions	Total In-Service Capacity	Planned Capacity Additions		Planned Capacity Reductions		Current Month	Year to Date	Past 12 Months
							Next Month	Next 12 Months	Next Month	Next 12 Months			
..... Wind (Summer Capacity)	59,471.0	6.0	0.0	6.0	0.0	59,477.0	175.1	2,245.9	0.0	0.0	6.0	402.2	7,159.1
..... Solar Photovoltaic	3,621.8	272.8	0.0	339.3	0.0	3,961.1	572.4	2,317.9	0.0	0.0	339.3	1,267.0	1,978.4
..... Solar Thermal without Energy Storage	476.0	125.0	0.0	0.0	0.0	476.0	125.0	891.0	0.0	0.0	0.0	0.0	0.0
..... Solar Thermal with Energy Storage	0.0	250.0	0.0	250.0	0.0	250.0	0.0	116.2	0.0	0.0	250.0	250.0	250.0
..... Solar Subtotal	4,097.8	647.8	0.0	589.3	0.0	4,687.1	697.4	3,325.1	0.0	0.0	589.3	1,517.0	2,228.4
..... Conventional Hydroelectric	78,857.9	128.5	103.8	122.5	103.8	78,876.6	69.4	497.8	0.0	24.0	18.7	138.6	190.0
..... Wood/Wood Waste Biomass	7,643.8	254.8	0.0	105.8	0.0	7,749.6	232.8	481.1	0.0	0.0	105.8	242.0	266.6
..... Landfill Gas	1,953.6	10.4	0.0	3.2	0.0	1,956.8	7.2	68.9	0.0	1.6	3.2	62.2	122.5
..... Municipal Solid Waste	2,230.7	0.0	0.0	0.0	0.0	2,230.7	0.0	0.0	0.0	0.0	0.0	28.0	10.0
..... Other Waste Biomass	721.8	0.4	0.0	0.4	0.0	722.2	16.2	31.5	0.0	0.0	0.4	8.9	13.7
..... Biomass Sources Subtotal	12,549.9	265.6	0.0	109.4	0.0	12,659.3	256.2	581.5	0.0	1.6	109.4	341.1	412.8
..... Geothermal	2,617.2	0.0	0.0	0.0	0.0	2,617.2	35.8	74.6	0.0	0.0	0.0	25.1	42.8
... Renewable Sources Subtotal	157,593.8	1,047.9	103.8	827.2	103.8	158,317.2	1,233.9	6,724.9	0.0	25.6	723.4	2,424.0	10,033.1
..... Natural Gas Fired Combined Cycle	224,256.7	0.0	0.0	0.0	0.0	224,256.7	0.0	5,159.2	0.0	26.0	0.0	3,574.6	5,509.4
..... Natural Gas Fired Combustion Turbine	124,386.9	8.8	17.0	0.0	17.0	124,369.9	48.8	260.0	0.0	118.7	-17.0	3,314.1	4,006.4
..... Natural Gas with Compressed Air Storage	110.0	0.0	0.0	0.0	0.0	110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
..... Other Natural Gas	78,015.0	3.7	0.0	3.7	0.0	78,018.7	14.9	1,011.5	0.0	48.0	3.7	-2,497.8	-3,410.0
..... Natural Gas Subtotal	426,768.6	12.5	17.0	3.7	17.0	426,755.3	63.7	6,430.7	0.0	192.7	-13.3	4,390.9	6,105.8
..... Conventional Steam Coal	308,305.4	13.0	1,932.0	13.0	1,982.0	306,336.4	10.0	30.8	64.0	2,308.5	-1,969.0	-3,124.0	-2,196.0
..... Coal Integrated Gasification Combined Cycle	790.6	0.0	0.0	0.0	0.0	790.6	0.0	521.7	0.0	0.0	0.0	570.6	570.6
..... Coal Subtotal	309,096.0	13.0	1,932.0	13.0	1,982.0	307,127.0	10.0	552.5	64.0	2,308.5	-1,969.0	-2,553.4	-1,625.4
..... Petroleum Coke	2,709.3	0.0	0.0	0.0	0.0	2,709.3	0.0	0.0	0.0	0.0	0.0	0.0	28.0
..... Petroleum Liquids	43,531.2	0.0	82.0	23.0	82.6	43,471.6	9.2	13.0	1.6	591.9	-59.6	-986.3	-1,725.6
..... Other Gases	1,941.6	0.0	0.0	0.0	0.0	1,941.6	0.0	0.0	0.0	43.2	0.0	-4.0	-4.0
... Fossil Fuels Subtotal	784,046.7	25.5	2,031.0	39.7	2,081.6	782,004.8	82.9	6,996.2	65.6	3,136.3	-2,041.9	847.2	2,778.8
..... Hydroelectric Pumped Storage	22,368.3	0.0	0.0	0.0	0.0	22,368.3	0.0	292.0	0.0	0.0	0.0	0.0	0.0
..... Flywheels	43.0	0.0	0.0	0.0	0.0	43.0	0.0	0.0	0.0	0.0	0.0	20.0	20.0
..... Batteries	141.8	0.0	0.0	0.0	0.0	141.8	1.0	5.0	0.0	0.0	0.0	0.0	47.0
... Energy Storage Subtotal	22,553.1	0.0	0.0	0.0	0.0	22,553.1	1.0	297.0	0.0	0.0	0.0	20.0	67.0
... Nuclear	98,997.0	0.0	0.0	0.0	0.0	98,997.0	79.0	108.0	0.0	0.0	0.0	-2,888.0	-2,859.0
... All Other	1,564.1	0.0	0.0	0.0	0.0	1,564.1	0.0	21.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1,064,754.7	1,073.4	2,134.8	866.9	2,185.4	1,063,436.2	1,396.8	14,147.1	65.6	3,161.9	-1,318.5	403.2	10,019.9

NOTES:

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

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

Actual Capacity Additions reflect new units, uprates 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.

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 6.2.A. Net Summer Capacity of Utility Scale Units by Technology and by State, October 2013 and 2012 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
New England	4,186.9	4,012.8	24,383.8	24,776.1	1,753.4	1,753.4	3.0	3.0	4,630.3	4,630.3	48.0	48.0	35,005.4	35,223.6
Connecticut	294.7	294.7	6,378.2	6,788.7	29.4	29.4	0.0	0.0	2,102.5	2,102.5	26.0	26.0	8,830.8	9,241.3
Maine	1,696.6	1,722.5	2,764.9	2,740.9	0.0	0.0	0.0	0.0	0.0	0.0	22.0	22.0	4,483.5	4,485.4
Massachusetts	772.6	725.6	11,149.4	11,155.2	1,724.0	1,724.0	3.0	3.0	677.3	677.3	0.0	0.0	14,326.3	14,285.1
New Hampshire	862.5	790.4	2,238.7	2,238.7	0.0	0.0	0.0	0.0	1,246.2	1,246.2	0.0	0.0	4,347.4	4,275.3
Rhode Island	29.8	27.9	1,752.8	1,752.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,782.6	1,780.7
Vermont	530.7	451.7	99.8	99.8	0.0	0.0	0.0	0.0	604.3	604.3	0.0	0.0	1,234.8	1,155.8
Middle Atlantic	9,688.6	9,065.7	69,235.8	71,961.0	3,321.0	3,321.0	48.0	28.0	19,055.4	19,026.4	11.2	11.2	101,360.0	103,413.3
New Jersey	481.7	446.5	13,927.4	13,933.9	400.0	400.0	0.0	0.0	4,114.5	4,114.5	11.2	11.2	18,934.8	18,906.1
New York	6,445.3	6,220.9	25,914.2	26,392.2	1,400.0	1,400.0	28.0	28.0	5,263.3	5,263.3	0.0	0.0	39,050.8	39,304.4
Pennsylvania	2,761.6	2,398.3	29,394.2	31,634.9	1,521.0	1,521.0	20.0	0.0	9,677.6	9,648.6	0.0	0.0	43,374.4	45,202.8
East North Central	8,797.7	7,676.5	123,674.3	122,440.5	1,871.0	1,871.0	0.0	0.0	18,809.2	19,359.2	114.1	114.1	153,266.3	151,461.3
Illinois	3,715.1	3,323.7	29,852.3	29,062.3	0.0	0.0	0.0	0.0	11,541.0	11,541.0	5.0	5.0	45,113.4	43,932.0
Indiana	1,663.9	1,460.2	25,618.7	25,087.6	0.0	0.0	0.0	0.0	0.0	0.0	88.0	88.0	27,370.6	26,635.8
Michigan	1,574.3	1,098.9	23,059.6	22,957.1	1,871.0	1,871.0	0.0	0.0	3,936.2	3,936.2	0.0	0.0	30,441.1	29,863.2
Ohio	755.4	720.0	29,922.8	30,147.3	0.0	0.0	0.0	0.0	2,150.0	2,134.0	0.0	0.0	32,828.2	33,001.3
Wisconsin	1,089.0	1,073.7	15,220.9	15,186.2	0.0	0.0	0.0	0.0	1,182.0	1,748.0	21.1	21.1	17,513.0	18,029.0
West North Central	17,734.9	16,664.2	62,223.7	62,237.5	657.0	657.0	0.0	0.0	5,805.0	5,805.0	23.7	23.7	86,444.3	85,387.4
Iowa	5,167.4	4,960.9	10,250.5	10,249.8	0.0	0.0	0.0	0.0	601.4	601.4	0.0	0.0	16,019.3	15,812.1
Kansas	2,733.2	2,464.1	10,185.1	10,261.9	0.0	0.0	0.0	0.0	1,175.0	1,175.0	0.0	0.0	14,093.3	13,901.0
Minnesota	3,391.4	3,123.9	10,444.8	10,446.7	0.0	0.0	0.0	0.0	1,594.0	1,594.0	18.4	18.4	15,448.6	15,183.0
Missouri	1,038.1	1,038.1	19,129.6	19,101.6	657.0	657.0	0.0	0.0	1,190.0	1,190.0	0.0	0.0	22,014.7	21,986.7
Nebraska	741.6	621.7	6,286.9	6,286.9	0.0	0.0	0.0	0.0	1,244.6	1,244.6	0.0	0.0	8,273.1	8,153.2
North Dakota	2,274.7	2,067.0	4,248.1	4,221.9	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	6,528.1	6,294.2
South Dakota	2,388.5	2,388.5	1,678.7	1,668.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,067.2	4,057.2
South Atlantic	11,844.3	11,422.9	162,203.6	161,203.9	7,905.2	7,905.2	32.0	32.0	24,603.0	25,020.0	406.0	406.0	206,994.1	205,990.0
Delaware	38.3	22.5	3,333.3	3,266.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,371.6	3,288.9
District of Columbia	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0
Florida	1,160.0	1,156.4	53,821.8	54,224.8	0.0	0.0	0.0	0.0	3,700.0	4,175.0	352.0	352.0	59,033.8	59,908.2
Georgia	2,792.9	2,699.9	29,538.7	29,865.0	1,862.2	1,862.2	0.0	0.0	4,061.0	4,061.0	0.0	0.0	38,254.8	38,488.1
Maryland	902.9	874.4	9,618.4	9,618.4	0.0	0.0	0.0	0.0	1,716.0	1,716.0	0.0	0.0	12,237.3	12,208.8
North Carolina	2,658.3	2,539.4	22,029.0	19,544.9	86.0	86.0	0.0	0.0	5,056.0	4,998.0	54.0	54.0	29,883.3	27,222.3
South Carolina	1,726.7	1,725.1	12,134.7	12,706.7	2,716.0	2,716.0	0.0	0.0	6,508.0	6,508.0	0.0	0.0	23,085.4	23,655.8
Virginia	1,693.0	1,533.0	16,306.6	16,512.6	3,241.0	3,241.0	0.0	0.0	3,562.0	3,562.0	0.0	0.0	24,802.6	24,848.6
West Virginia	872.2	872.2	15,411.1	15,455.1	0.0	0.0	32.0	32.0	0.0	0.0	0.0	0.0	16,315.3	16,359.3
East South Central	7,941.6	7,928.8	70,955.3	71,700.9	1,616.3	1,616.3	0.0	0.0	9,863.1	9,634.1	1.4	1.4	90,377.7	90,881.5
Alabama	3,948.9	3,948.9	23,333.1	23,555.1	0.0	0.0	0.0	0.0	5,043.4	5,043.4	0.0	0.0	32,325.4	32,547.4
Kentucky	900.7	896.7	20,121.1	20,192.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21,021.8	21,088.8
Mississippi	236.7	236.7	14,050.5	14,151.1	0.0	0.0	0.0	0.0	1,419.0	1,190.0	1.4	1.4	15,707.6	15,579.2
Tennessee	2,855.3	2,846.5	13,450.6	13,802.6	1,616.3	1,616.3	0.0	0.0	3,400.7	3,400.7	0.0	0.0	21,322.9	21,666.1
West South Central	19,693.2	17,671.7	146,531.3	144,972.2	288.0	288.0	37.0	1.0	8,922.0	8,922.0	435.9	435.9	175,907.4	172,290.8
Arkansas	1,666.5	1,666.5	12,402.8	12,223.8	28.0	28.0	0.0	0.0	1,828.0	1,828.0	0.0	0.0	15,925.3	15,746.3
Louisiana	571.5	571.5	22,647.8	22,606.8	0.0	0.0	0.0	0.0	2,134.0	2,134.0	207.6	207.6	25,560.9	25,519.9
Oklahoma	4,070.7	3,330.2	19,160.6	19,213.7	260.0	260.0	0.0	0.0	0.0	0.0	0.0	0.0	23,491.3	22,803.9
Texas	13,384.5	12,103.5	92,320.1	90,927.9	0.0	0.0	37.0	1.0	4,960.0	4,960.0	228.3	228.3	110,929.9	108,220.7
Mountain	19,637.8	17,858.6	65,127.1	64,714.6	778.8	778.8	1.8	1.8	3,937.0	3,937.0	111.4	111.4	89,593.9	87,402.2
Arizona	4,050.8	3,390.9	20,125.9	19,804.3	216.3	216.3	0.0	0.0	3,937.0	3,937.0	0.0	0.0	28,330.0	27,348.5
Colorado	3,092.1	2,587.9	11,324.9	11,319.9	562.5	562.5	0.0	0.0	0.0	0.0	9.3	9.3	14,988.8	14,479.6
Idaho	3,762.9	3,469.1	1,133.1	1,133.1	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	4,910.8	4,617.0
Montana	3,401.8	3,119.4	2,913.7	2,913.7	0.0	0.0	0.0	0.0	0.0	0.0	44.0	44.0	6,359.5	6,077.1
Nevada	1,936.1	1,916.0	8,559.7	8,559.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,495.8	10,475.7
New Mexico	1,038.6	1,022.8	7,455.9	7,369.0	0.0	0.0	1.8	1.8	0.0	0.0	0.0	0.0	8,496.3	8,393.6
Utah	641.1	638.1	6,959.7	6,960.7	0.0	0.0	0.0	0.0	0.0	0.0	31.8	31.8	7,632.6	7,630.6
Wyoming	1,714.4	1,714.4	6,654.2	6,654.2	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.5	8,380.1	8,380.1
Pacific Contiguous	57,775.6	55,124.6	53,656.0	51,416.1	4,177.6	4,177.6	0.0	0.0	3,372.0	5,522.0	385.8	385.8	119,367.0	116,626.1
California	21,472.1	19,021.6	44,909.1	42,680.2	3,863.6	3,863.6	0.0	0.0	2,240.0	4,390.0	375.8	375.8	72,860.6	70,331.2
Oregon	11,949.0	11,926.5	3,597.2	3,586.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,546.2	15,512.7
Washington	24,354.5	24,176.5	5,149.7	5,149.7	314.0	314.0	0.0	0.0	1,132.0	1,132.0	10.0	10.0	30,960.2	30,782.2
Pacific Noncontiguous	1,016.6	858.3	4,013.9	3,803.2	0.0	0.0	63.0	52.0	0.0	0.0	26.6	26.6	5,120.1	4,740.1
Alaska	480.2	453.9	1,848.7	1,638.0	0.0	0.0	27.0	27.0	0.0	0.0	0.0	0.0	2,355.9	2,118.9
Hawaii	536.4	404.4	2,165.2	2,165.2	0.0	0.0	36.0	25.0	0.0	0.0	26.6	26.6	2,764.2	2,621.2
U.S. Total	158,317.2	148,284.1	782,004.8	779,226.0	22,368.3	22,368.3	184.8	117.8	98,997.0	101,856.0	1,564.1	1,564.1	1,063,436.2	1,053,416.3

Values for 2012 are final. Values for 2013 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'

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 6.2.B. Net Summer Capacity of Utility Scale Units Using Primarily Renewable Energy Sources and by State, October 2013 and 2012 (Megawatts)

Census Division and State	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
	New England	785.0	632.6	62.0	36.7	0.0	0.0	1,957.2	1,958.0	1,382.7	1,385.5	0.0	0.0	4,186.9
Connecticut	0.0	0.0	0.0	0.0	0.0	0.0	122.2	122.2	172.5	172.5	0.0	0.0	294.7	294.7
Maine	427.6	427.6	0.0	0.0	0.0	0.0	734.4	742.3	534.6	552.6	0.0	0.0	1,696.6	1,722.5
Massachusetts	64.7	35.3	52.1	32.7	0.0	0.0	260.4	262.2	395.4	395.4	0.0	0.0	772.6	725.6
New Hampshire	171.0	123.0	0.0	0.0	0.0	0.0	513.9	505.0	177.6	162.4	0.0	0.0	862.5	790.4
Rhode Island	1.5	1.5	1.9	0.0	0.0	0.0	2.7	2.7	23.7	23.7	0.0	0.0	29.8	27.9
Vermont	120.2	45.2	8.0	4.0	0.0	0.0	323.6	323.6	78.9	78.9	0.0	0.0	530.7	451.7
Middle Atlantic	3,017.7	2,456.7	321.8	285.6	0.0	0.0	5,079.2	5,076.7	1,269.9	1,246.7	0.0	0.0	9,688.6	9,065.7
New Jersey	7.5	7.5	253.3	218.1	0.0	0.0	3.3	3.3	217.6	217.6	0.0	0.0	481.7	446.5
New York	1,636.4	1,417.3	31.5	31.5	0.0	0.0	4,314.4	4,311.9	463.0	460.2	0.0	0.0	6,445.3	6,220.9
Pennsylvania	1,373.8	1,031.9	37.0	36.0	0.0	0.0	761.5	761.5	589.3	568.9	0.0	0.0	2,761.6	2,398.3
East North Central	6,773.4	5,701.4	62.6	57.3	0.0	0.0	817.2	814.8	1,144.5	1,103.0	0.0	0.0	8,797.7	7,676.5
Illinois	3,520.1	3,127.8	29.0	29.0	0.0	0.0	34.1	34.1	131.9	132.8	0.0	0.0	3,715.1	3,323.7
Indiana	1,539.7	1,339.7	3.5	2.0	0.0	0.0	59.5	59.5	61.2	59.0	0.0	0.0	1,663.9	1,460.2
Michigan	874.8	402.6	0.0	0.0	0.0	0.0	237.0	237.0	462.5	459.3	0.0	0.0	1,574.3	1,098.9
Ohio	469.2	461.7	30.1	26.3	0.0	0.0	101.7	101.6	154.4	130.4	0.0	0.0	755.4	720.0
Wisconsin	369.6	369.6	0.0	0.0	0.0	0.0	384.9	382.6	334.5	321.5	0.0	0.0	1,089.0	1,073.7
West North Central	14,027.5	12,963.1	0.0	0.0	0.0	0.0	3,283.2	3,277.5	424.2	423.6	0.0	0.0	17,734.9	16,664.2
Iowa	5,005.0	4,798.5	0.0	0.0	0.0	0.0	147.8	147.8	14.6	14.6	0.0	0.0	5,167.4	4,960.9
Kansas	2,718.9	2,454.6	0.0	0.0	0.0	0.0	7.2	2.4	7.1	7.1	0.0	0.0	2,733.2	2,464.1
Minnesota	2,842.3	2,576.3	0.0	0.0	0.0	0.0	176.6	175.7	372.5	371.9	0.0	0.0	3,391.4	3,123.9
Missouri	458.5	458.5	0.0	0.0	0.0	0.0	570.3	570.3	9.3	9.3	0.0	0.0	1,038.1	1,038.1
Nebraska	455.4	335.5	0.0	0.0	0.0	0.0	275.3	275.3	10.9	10.9	0.0	0.0	741.6	621.7
North Dakota	1,756.9	1,549.2	0.0	0.0	0.0	0.0	508.0	508.0	9.8	9.8	0.0	0.0	2,274.7	2,067.0
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	347.1	169.3	0.0	0.0	7,174.6	7,118.0	3,617.3	3,430.3	0.0	0.0	11,844.3	11,422.9
Delaware	2.0	2.0	28.3	12.5	0.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	38.3	22.5
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	65.2	0.0	0.0	54.5	54.5	1,039.1	1,036.7	0.0	0.0	1,160.0	1,156.4
Georgia	0.0	0.0	3.2	3.2	0.0	0.0	2,047.9	2,047.9	741.8	648.8	0.0	0.0	2,792.9	2,699.9
Maryland	120.0	120.0	49.6	21.1	0.0	0.0	590.0	590.0	143.3	143.3	0.0	0.0	902.9	874.4
North Carolina	0.0	0.0	199.6	67.3	0.0	0.0	1,991.7	1,936.7	467.0	535.4	0.0	0.0	2,658.3	2,539.4
South Carolina	0.0	0.0	0.0	0.0	0.0	0.0	1,337.6	1,336.0	389.1	389.1	0.0	0.0	1,726.7	1,725.1
Virginia	0.0	0.0	0.0	0.0	0.0	0.0	866.2	866.2	826.8	666.8	0.0	0.0	1,693.0	1,533.0
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	12.8	4.9	0.0	0.0	6,719.9	6,715.9	1,179.8	1,178.9	0.0	0.0	7,941.6	7,928.8
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	3,272.2	3,272.2	676.7	676.7	0.0	0.0	3,948.9	3,948.9
Kentucky	0.0	0.0	0.0	0.0	0.0	0.0	831.6	827.6	69.1	69.1	0.0	0.0	900.7	896.7
Mississippi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	236.7	236.7	0.0	0.0	236.7	236.7
Tennessee	29.1	29.1	12.8	4.9	0.0	0.0	2,616.1	2,616.1	197.3	196.4	0.0	0.0	2,855.3	2,846.5
West South Central	15,311.8	13,296.5	75.2	75.2	0.0	0.0	3,083.2	3,080.2	1,223.0	1,219.8	0.0	0.0	19,693.2	17,671.7
Arkansas	0.0	0.0	0.0	0.0	0.0	0.0	1,340.7	1,340.7	325.8	325.8	0.0	0.0	1,666.5	1,666.5
Louisiana	0.0	0.0	0.0	0.0	0.0	0.0	192.0	192.0	379.5	379.5	0.0	0.0	571.5	571.5
Oklahoma	3,132.9	2,398.6	0.0	0.0	0.0	0.0	861.2	858.2	76.6	73.4	0.0	0.0	4,070.7	3,330.2
Texas	12,178.9	10,897.9	75.2	75.2	0.0	0.0	689.3	689.3	441.1	441.1	0.0	0.0	13,384.5	12,103.5
Mountain	6,787.9	5,757.1	1,383.1	925.2	319.5	69.5	10,551.4	10,507.8	163.7	159.9	432.2	439.1	19,637.8	17,858.6
Arizona	237.3	237.3	803.6	393.7	251.0	1.0	2,720.4	2,720.4	38.5	38.5	0.0	0.0	4,050.8	3,390.9
Colorado	2,300.9	1,803.9	117.6	115.4	0.0	0.0	660.6	655.6	13.0	13.0	0.0	0.0	3,092.1	2,587.9
Idaho	962.7	668.9	0.0	0.0	0.0	0.0	2,703.4	2,703.4	86.8	86.8	10.0	10.0	3,762.9	3,469.1
Montana	627.8	387.8	0.0	0.0	0.0	0.0	2,770.2	2,731.6	3.8	0.0	0.0	0.0	3,401.8	3,119.4
Nevada	150.0	150.0	288.8	258.8	68.5	68.5	1,051.4	1,051.4	3.2	3.2	374.2	384.1	1,936.1	1,916.0
New Mexico	777.5	777.5	171.8	156.0	0.0	0.0	82.9	82.9	6.4	6.4	0.0	0.0	1,038.6	1,022.8
Utah	324.4	324.4	1.3	1.3	0.0	0.0	255.4	255.4	12.0	12.0	48.0	45.0	641.1	638.1
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	11,776.1	10,630.8	1,683.3	426.3	406.5	406.5	39,770.1	39,697.1	1,997.6	1,871.6	2,142.0	2,092.3	57,775.6	55,124.6
California	5,818.0	4,782.3	1,672.1	415.1	406.5	406.5	10,150.3	10,145.7	1,300.9	1,179.7	2,124.3	2,092.3	21,472.1	19,021.6
Oregon	3,151.9	3,151.9	10.7	10.7	0.0	0.0	8,454.7	8,454.7	314.0	309.2	17.7	0.0	11,949.0	11,926.5
Washington	2,806.2	2,696.6	0.5	0.5	0.0	0.0	21,165.1	21,096.7	382.7	382.7	0.0	0.0	24,354.5	24,176.5
Pacific Noncontiguous	263.2	145.3	13.2	2.2	0.0	0.0	440.6	440.6	256.6	227.2	43.0	43.0	1,016.6	858.3
Alaska	57.6	32.7	0.0	0.0	0.0	0.0	415.6	415.6	7.0	5.6	0.0	0.0	480.2	453.9
Hawaii	205.6	112.6	13.2	2.2	0.0	0.0	25.0	25.0	249.6	221.6	43.0	43.0	536.4	404.4
U.S. Total	59,477.0	52,317.9	3,961.1	1,982.7	726.0	476.0	78,876.6	78,686.6	12,659.3	12,246.5	2,617.2	2,574.4	158,317.2	148,284.1

Values for 2012 are final. Values for 2013 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.

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 6.2.C. Net Summer Capacity of Utility Scale Units Using Primarily Fossil Fuels and by State, October 2013 and 2012 (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	
	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012	October 2013	October 2012
	New England	12,194.9	12,190.5	1,223.5	1,090.0	858.0	852.4	2,547.1	2,727.1	0.0	0.0	7,560.3	7,916.1	0.0	0.0	24,383.8
Connecticut	2,511.7	2,513.4	591.6	458.1	61.2	61.0	383.4	570.1	0.0	0.0	2,830.3	3,186.1	0.0	0.0	6,378.2	6,788.7
Maine	1,250.0	1,250.0	306.0	306.0	119.0	95.0	85.0	85.0	0.0	0.0	1,004.9	1,004.9	0.0	0.0	2,764.9	2,740.9
Massachusetts	5,505.0	5,498.9	322.1	322.1	667.4	686.0	1,544.8	1,538.1	0.0	0.0	3,110.1	3,110.1	0.0	0.0	11,149.4	11,155.2
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	1,725.2	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	1,752.8	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	22,478.6	22,449.6	8,767.0	8,708.5	8,766.3	9,616.3	19,512.7	21,966.2	11.6	11.6	9,599.2	9,108.4	100.4	100.4	69,235.8	71,961.0
New Jersey	5,870.3	5,871.3	4,093.7	4,099.2	642.9	642.9	2,006.6	2,006.6	11.6	11.6	1,302.3	1,302.3	0.0	0.0	13,927.4	13,933.9
New York	8,338.6	8,338.6	3,011.4	3,011.4	7,194.6	7,194.6	2,334.2	2,703.7	0.0	0.0	5,035.4	5,143.9	0.0	0.0	25,914.2	26,392.2
Pennsylvania	8,269.7	8,239.7	1,661.9	1,597.9	928.8	1,778.8	15,171.9	17,255.9	0.0	0.0	3,261.5	2,662.2	100.4	100.4	29,394.2	31,634.9
East North Central	16,838.4	16,834.9	25,731.8	25,669.0	3,430.8	3,423.3	73,005.2	71,850.6	570.1	570.1	3,191.9	3,186.5	906.1	906.1	123,674.3	122,440.5
Illinois	2,976.6	2,976.6	10,314.6	10,314.6	238.7	238.7	15,541.6	14,757.0	0.0	0.0	663.1	657.7	117.7	117.7	29,852.3	29,062.3
Indiana	2,451.9	2,451.9	3,172.6	3,189.6	6.5	4.0	18,686.0	18,140.4	274.0	274.0	456.4	456.4	571.3	571.3	25,618.7	25,087.6
Michigan	4,777.0	4,777.0	3,412.1	3,319.3	2,992.6	2,982.9	11,261.8	11,261.8	47.2	47.2	568.9	568.9	0.0	0.0	23,059.6	22,957.1
Ohio	3,963.8	3,960.3	5,443.1	5,443.1	57.4	57.4	19,204.5	19,432.5	142.0	142.0	894.9	894.9	217.1	217.1	29,922.8	30,147.3
Wisconsin	2,669.1	2,669.1	3,389.4	3,402.4	135.6	140.3	8,311.3	8,258.9	106.9	106.9	608.6	608.6	0.0	0.0	15,220.9	15,186.2
West North Central	5,724.0	5,714.1	11,241.8	11,269.8	3,257.3	3,266.1	37,854.8	37,826.8	32.0	32.0	4,105.3	4,120.3	8.4	8.4	62,223.7	62,237.5
Iowa	1,161.5	1,161.5	1,113.9	1,113.9	261.4	261.4	6,683.4	6,683.4	32.0	32.0	998.3	997.6	0.0	0.0	10,250.5	10,249.8
Kansas	0.0	0.0	2,377.8	2,445.8	2,043.0	2,051.8	5,223.0	5,223.0	0.0	0.0	541.3	541.3	0.0	0.0	10,185.1	10,261.9
Minnesota	2,107.2	2,107.2	2,558.4	2,558.4	278.7	278.7	4,696.5	4,696.5	0.0	0.0	804.0	805.9	0.0	0.0	10,444.8	10,446.7
Missouri	1,834.8	1,834.8	3,397.5	3,397.5	267.4	267.4	12,468.5	12,440.5	0.0	0.0	1,161.4	1,161.4	0.0	0.0	19,129.6	19,101.6
Nebraska	320.6	320.6	1,111.6	1,111.6	394.2	394.2	4,145.7	4,145.7	0.0	0.0	314.8	314.8	0.0	0.0	6,286.9	6,286.9
North Dakota	0.0	0.0	40.0	0.0	0.0	0.0	4,141.1	4,141.1	0.0	0.0	58.6	72.4	8.4	8.4	4,248.1	4,221.9
South Dakota	300.0	290.0	642.6	642.6	12.6	12.6	496.6	496.6	0.0	0.0	226.9	226.9	0.0	0.0	1,678.7	1,668.7
South Atlantic	44,804.2	42,044.2	31,521.0	30,694.5	4,030.0	3,697.1	65,872.3	66,916.3	633.8	633.8	15,207.3	17,083.0	135.0	135.0	162,203.6	161,203.9
Delaware	1,130.0	1,130.0	355.0	305.0	881.9	849.0	726.0	742.0	0.0	0.0	105.4	105.4	135.0	135.0	3,333.3	3,266.4
District of Columbia	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0
Florida	25,157.6	23,942.6	7,958.9	7,958.9	2,186.5	1,960.5	10,266.0	10,266.0	550.0	550.0	7,702.8	9,546.8	0.0	0.0	53,821.8	54,224.8
Georgia	7,960.0	7,956.0	7,836.9	7,836.9	115.0	115.0	12,412.1	12,737.1	83.8	83.8	1,130.9	1,136.2	0.0	0.0	29,538.7	29,865.0
Maryland	230.0	230.0	1,488.3	1,488.3	335.5	335.5	4,757.0	4,757.0	0.0	0.0	2,807.6	2,807.6	0.0	0.0	9,618.4	9,618.4
North Carolina	4,075.6	2,534.6	6,068.2	5,291.7	74.0	0.0	11,394.8	11,274.8	0.0	0.0	416.4	443.8	0.0	0.0	22,029.0	19,544.9
South Carolina	2,281.7	2,281.7	2,852.2	2,852.2	110.8	110.8	6,225.5	6,798.5	0.0	0.0	664.5	663.5	0.0	0.0	12,134.7	12,706.7
Virginia	3,969.3	3,969.3	3,877.6	3,877.6	320.7	320.7	5,770.3	5,976.3	0.0	0.0	2,368.7	2,368.7	0.0	0.0	16,306.6	16,512.6
West Virginia	0.0	0.0	1,073.9	1,073.9	5.6	5.6	14,320.6	14,364.6	0.0	0.0	11.0	11.0	0.0	0.0	15,411.1	15,455.1
East South Central	17,804.9	17,650.9	12,865.8	12,865.8	2,865.5	3,116.1	37,122.2	37,767.2	0.0	0.0	197.1	197.1	99.8	103.8	70,955.3	71,700.9
Alabama	9,325.7	9,325.7	2,550.6	2,550.6	169.1	169.1	11,145.3	11,367.3	0.0	0.0	42.6	42.6	99.8	99.8	23,333.1	23,555.1
Kentucky	0.0	0.0	4,828.9	4,828.9	0.0	0.0	15,222.3	15,293.3	0.0	0.0	69.9	69.9	0.0	0.0	20,121.1	20,192.1
Mississippi	7,076.2	6,922.2	1,716.9	1,716.9	2,696.4	2,947.0	2,526.0	2,526.0	0.0	0.0	35.0	35.0	0.0	4.0	14,050.5	14,151.1
Tennessee	1,403.0	1,403.0	3,769.4	3,769.4	0.0	0.0	8,228.6	8,580.6	0.0	0.0	49.6	49.6	0.0	0.0	13,450.6	13,802.6
West South Central	56,455.9	56,398.1	12,135.5	11,781.2	38,020.0	38,460.0	37,934.3	36,375.8	1,409.8	1,381.8	195.9	195.4	379.9	379.9	146,531.3	144,972.2
Arkansas	4,660.5	4,660.5	757.1	753.1	1,824.0	2,258.0	5,144.0	4,535.0	0.0	0.0	17.2	17.2	0.0	0.0	12,402.8	12,223.8
Louisiana	7,324.2	7,324.2	2,406.2	2,406.2	8,434.2	8,434.2	3,427.0	3,414.0	975.0	947.0	46.9	46.9	34.3	34.3	22,647.8	22,606.8
Oklahoma	7,512.5	7,512.5	1,191.9	1,245.0	5,092.5	5,092.5	5,294.4	5,294.4	0.0	0.0	69.3	69.3	0.0	0.0	19,160.6	19,213.7
Texas	36,958.7	36,900.9	7,780.3	7,376.9	22,669.3	22,675.3	24,068.9	23,132.4	434.8	434.8	62.5	62.0	345.6	345.6	92,320.1	90,927.9
Mountain	21,672.5	21,136.7	8,866.5	8,778.6	3,336.6	3,570.8	30,756.4	30,756.4	52.0	52.0	348.2	325.2	94.9	94.9	65,127.1	64,714.6
Arizona	10,418.2	9,882.4	2,353.6	2,353.6	1,106.6	1,320.8	6,157.0	6,157.0	0.0	0.0	90.5	90.5	0.0	0.0	20,125.9	19,804.3
Colorado	2,733.2	2,733.2	2,545.5	2,545.5	386.0	381.0	5,482.3	5,482.3	0.0	0.0	177.9	177.9	0.0	0.0	11,324.9	11,319.9
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	1,465.4	1,465.4	1,036.1	947.2	896.0	921.0	4,031.0	4,031.0	0.0	0.0	27.4	4.4	0.0	0.0	7,455.9	7,369.0
Utah	1,201.0	1,201.0	529.0	530.0	300.9	300.9	4,901.0	4,901.0	0.0	0.0	27.8	27.8	0.0	0.0	6,959.7	6,960.7
Wyoming	0.0	0.0	116.6	116.6	6.0	6.0	6,432.4	6,432.4	0.0	0.0	5.8	5.8	93.4	93.4	6,654.2	6,654.2
Pacific Contiguous	25,706.2	23,998.9	11,544.9	8,996.1	13,549.2	15,522.4	2,231.5	2,275.5	0.0	0.0	413.1	412.1	211.1	211.1	53,656.0	51,416.1
California	19,762.1	18,065.8	10,709.9	8,161.1	13,521.6	15,494.8	306.5	350.5	0.0	0.0	397.9	396.9	211.1	211.1	44,909.1	42,680.2
Oregon	2,878.4	2,867.4	133.8	133.8	0.0	0.0	585.0	585.0	0.0	0.0	0.0	0.0	0.0	0.0	3,597.2	3,586.2
Washington	3,065.7	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	5,149.7	5,149.7
Pacific Noncontiguous	577.0	329.4	472.1	510.0	15.0	14.2	290.5	290.5	0.0	0.0	2,653.3	2,653.1	6.0	6.0	4,013.9	3,803.2
Alaska	577.0	329.4	472.1	510.0	15.0	14.2	110.5	110.5	0.0	0.0	674.1	673.9	0.0	0		

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2013

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	1	39.8	Natural Gas Fired Combined Cycle
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	2	39.8	Natural Gas Fired Combined Cycle
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	3	39.8	Natural Gas Fired Combined Cycle
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	4	50.3	Natural Gas Fired Combined Cycle
2013	1	56615	First Solar Energy LLC	IPP	Avra Valley Solar	AZ	57657	1	25.0	Solar Photovoltaic
2013	1	7353	Golden Valley Elec Assn Inc	Electric Utility	Eva Creek Wind	AK	57935	EWV	24.0	Onshore Wind Turbine
2013	1	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	3	2.1	Petroleum Liquids
2013	1	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2B	86.5	Solar Photovoltaic
2013	1	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2D	40.0	Solar Photovoltaic
2013	1	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	SOL1	4.6	Landfill Gas
2013	1	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	SOL2	4.6	Landfill Gas
2013	1	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	SOL3	4.6	Landfill Gas
2013	1	13630	North Carolina Mun Power Agny #1	Electric Utility	Gastonia Prime Power Park	NC	56954	5	1.8	Petroleum Liquids
2013	1	13630	North Carolina Mun Power Agny #1	Electric Utility	Gastonia Prime Power Park	NC	56954	6	1.8	Petroleum Liquids
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN1	1.6	Landfill Gas
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN2	1.6	Landfill Gas
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN3	1.6	Landfill Gas
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN4	1.6	Landfill Gas
2013	1	56748	RP1 Fuel Cell LLC	Electric CHP	RPI Fuel Cell LLC	CA	57419	0001	2.8	Other Waste Biomass
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #10	CA	57224	S010A	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #10	CA	57224	S010B	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #10	CA	57224	S010C	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015A	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015B	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015C	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015D	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015E	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015F	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015G	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023A	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023B	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023C	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023D	0.5	Solar Photovoltaic
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023E	0.5	Solar Photovoltaic
2013	1	2770	Terra-Gen Operating Co LLC	IPP	Pinyon Pine I	CA	57834	AW07	150.0	Onshore Wind Turbine
2013	1	2770	Terra-Gen Operating Co LLC	IPP	Pinyon Pine II	CA	57837	AW09	150.0	Onshore Wind Turbine
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN1	0.8	Landfill Gas
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN2	0.8	Landfill Gas
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN3	0.8	Landfill Gas
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN4	0.8	Landfill Gas
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN5	0.8	Landfill Gas
2013	1	20323	Wellhead Services Inc	IPP	Wellhead Power Delano LLC	CA	58122	GEN1	35.0	Natural Gas Fired Combustion Turbine
2013	2	57369	Apple, Inc	Commercial	Apple Data Center PV	NC	57994	PV1	20.0	Solar Photovoltaic
2013	2	49846	Covanta Honolulu Resource Recovery	Commercial	H Power	HI	10334	GEN2	28.0	Municipal Solid Waste
2013	2	56615	First Solar Energy LLC	IPP	Alpine Solar	CA	57295	1	66.0	Solar Photovoltaic
2013	2	7477	Granger Electric Co	IPP	Granger Electric of Watervliet	MI	58546	GEN1	1.6	Landfill Gas
2013	2	7477	Granger Electric Co	IPP	Granger Electric of Watervliet	MI	58546	GEN2	1.6	Landfill Gas
2013	2	57389	IKEA Property Inc	Commercial	IKEA Perryville 460	MD	58014	PV	2.0	Solar Photovoltaic
2013	2	57389	IKEA Property Inc	Commercial	IKEA Westhampton 061	NJ	58016	PV	1.8	Solar Photovoltaic
2013	2	11208	Los Angeles Department of Water & Power	Commercial	Occidental College Solar Project	CA	57311	1	1.0	Solar Photovoltaic
2013	2	57271	NRG Solar Borrego I	IPP	NRG Solar Borrego I	CA	57455	SB1	26.0	Solar Photovoltaic
2013	2	57146	Tulsa LFG LLC	IPP	Tulsa LFG LLC	OK	57828	GEN1	1.6	Landfill Gas
2013	2	57146	Tulsa LFG LLC	IPP	Tulsa LFG LLC	OK	57828	GEN2	1.6	Landfill Gas
2013	3	803	Arizona Public Service Co	Electric Utility	Foothills Solar Plant	AZ	57997	PV1	17.0	Solar Photovoltaic
2013	3	18429	City of Tacoma - (WA)	Electric Utility	Cushman 2	WA	3915	34	1.8	Conventional Hydroelectric
2013	3	18429	City of Tacoma - (WA)	Electric Utility	Cushman 2	WA	3915	35	1.8	Conventional Hydroelectric
2013	3	57017	DOE National Renewable Energy Laboratory	Commercial	DOE Golden NREL Main Campus	CO	57694	PARKG	1.2	Solar Photovoltaic
2013	3	58332	Dibrell Farm LLC	IPP	Dibrell Farm	NC	58346	1	5.0	Solar Photovoltaic
2013	3	11208	Los Angeles Department of Water & Power	Electric Utility	Pine Tree Solar Project	CA	57306	1	8.5	Solar Photovoltaic
2013	3	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623	3A	1.2	Other Waste Biomass
2013	3	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623	4A	1.2	Other Waste Biomass
2013	3	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI9	60.5	Conventional Hydroelectric
2013	3	58355	SPS Atwell Island LLC	IPP	Atwell Island	CA	58366	1	20.2	Solar Photovoltaic
2013	3	17283	Seneca Energy II	IPP	Ontario LFGTE	NY	56250	GEN10	1.6	Landfill Gas
2013	3	17283	Seneca Energy II	IPP	Ontario LFGTE	NY	56250	GEN11	1.6	Landfill Gas
2013	3	17283	Seneca Energy II	IPP	Ontario LFGTE	NY	56250	GEN9	1.6	Landfill Gas
2013	3	58112	TA-High Desert LLC	IPP	TA-High Desert LLC	CA	58149	TAHD	20.0	Solar Photovoltaic
2013	3	54842	WM Renewable Energy LLC	IPP	Tullytown	PA	58250	GEN1	1.6	Landfill Gas
2013	4	57369	Apple, Inc	Commercial	Apple Data Center - Fuel Cell 1&2	NC	58264	FC2	5.2	Landfill Gas
2013	4	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE1	18.5	Solar Photovoltaic
2013	4	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE2	27.3	Solar Photovoltaic
2013	4	58373	CU Solar LLC	IPP	CU Solar Plant	OH	58386	CU	1.8	Solar Photovoltaic
2013	4	3179	Caterpillar Inc	Industrial	Caterpillar	IN	50935	ET4	2.5	Other Natural Gas
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT1	96.0	Natural Gas Fired Combustion Turbine
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT2	96.0	Natural Gas Fired Combustion Turbine
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT3	96.0	Natural Gas Fired Combustion Turbine
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT4	96.0	Natural Gas Fired Combustion Turbine
2013	4	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ1	35.3	Solar Photovoltaic
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3A	1,210.0	Natural Gas Fired Combined Cycle
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3B		Natural Gas Fired Combined Cycle
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3C		Natural Gas Fired Combined Cycle
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3ST		Natural Gas Fired Combined Cycle
2013	4	57411	KDC Solar O&M LLC	Commercial	Middlesex Apple Orchard Solar	NJ	58090	SEF-1	1.3	Solar Photovoltaic
2013	4	57411	KDC Solar O&M LLC	Commercial	Middlesex Apple Orchard Solar	NJ	58090	SEF-2	3.4	Solar Photovoltaic
2013	4	58358	Light Beam Power Co LLC	IPP	Gridley Main Two	CA	58371	GEN1	2.5	Solar Photovoltaic
2013	4	26616	North Slope Borough Power & Light	Electric Utility	NSB Nuiqsut Utility	AK	7484	PG3B	0.8	Other Natural Gas
2013	4	57282	Piedmont Green Power	IPP	Piedmont Green Power	GA	57909	GEN1	53.5	Wood/Wood Waste Biomass
2013	4	15394	Procter & Gamble Ppr Prdts Co	Industrial	Procter & Gamble Mehoopany Mill	PA	50463	GEN3	64.0	Natural Gas Fired Combustion Turbine
2013	4	56694	Thermo No 1 BE 01 LLC	IPP	Thermo No 1	UT	57353	2	14.0	Geothermal
2013	5	807	Arkansas Electric Coop Corp	Electric Utility	Elkins Generating Center	AR	56489	C	20.0	Natural Gas Fired Combustion Turbine
2013	5	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE3	27.3	Solar Photovoltaic
2013	5	34	City of Abbeville - (SC)	Electric Utility	Rocky River	SC	3305	IC2	1.0	Petroleum Liquids
2013	5	12944	City of Morganton - (NC)	Electric Utility	Water Filter Plant #2	NC	55534	1299	1.7	Petroleum Liquids
2013	5	56769	Consolidated Edison Development Inc.	IPP	West Greenwich Solar	RI	58214	WGR1	1.9	Solar Photovoltaic
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG1	100.0	Natural Gas Fired Combustion Turbine
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG2	100.0	Natural Gas Fired Combustion Turbine
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG3	100.0	Natural Gas Fired Combustion Turbine
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG4	100.0	Natural Gas Fired Combustion Turbine
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG5	100.0	Natural Gas Fired Combustion Turbine
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG6	100.0	Natural Gas Fired Combustion Turbine
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG7	100.0	Natural Gas Fired Combustion Turbine
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG8	100.0	Natural Gas Fired Combustion Turbine
2013	5	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT5	96.0	Natural Gas Fired Combustion Turbine

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2013

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology
2013	5	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	9	88.9	Natural Gas Fired Combustion Turbine
2013	5	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGA	1.5	Onshore Wind Turbine
2013	5	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGB	1.5	Onshore Wind Turbine
2013	5	58331	Mt Olive Farm 2 LLC	IPP	Mt Olive Farm 2	NC	58345	1	5.0	Solar Photovoltaic
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	1	197.0	Natural Gas Fired Combustion Turbine
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	2	197.0	Natural Gas Fired Combustion Turbine
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	3	197.0	Natural Gas Fired Combustion Turbine
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	4	197.0	Natural Gas Fired Combustion Turbine
2013	5	14328	Pacific Gas & Electric Co	Electric Utility	West Gates Solar Station	CA	58206	1	10.0	Solar Photovoltaic
2013	5	58333	Rock Farm LLC	IPP	Rock Farm	NC	58347	1	5.0	Solar Photovoltaic
2013	5	55861	Sandy Creek Energy Associates L P	IPP	Sandy Creek Energy Station	TX	56611	S01	936.5	Conventional Steam Coal
2013	5	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	4	187.0	Natural Gas Fired Combustion Turbine
2013	5	54842	WM Renewable Energy LLC	IPP	Oneida Herkimer	NY	57404	GEN2	1.6	Landfill Gas
2013	6	58330	AM Best Farm	IPP	AM Best Farm	NC	58344	1	5.0	Solar Photovoltaic
2013	6	1994	Boulder City of	IPP	Boulder Canyon Hydro	CO	466	1A	5.0	Conventional Hydroelectric
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9560	0.4	Other Natural Gas
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9580	0.4	Other Natural Gas
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9587	0.4	Other Natural Gas
2013	6	57365	Consolidated Edison Solutions Inc	IPP	Wilson Solar	MA	58174	WSMA	2.0	Solar Photovoltaic
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	CT1	570.6	Coal Integrated Gasification Combined Cycle
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	CT2		Coal Integrated Gasification Combined Cycle
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	ST		Coal Integrated Gasification Combined Cycle
2013	6	5914	Erie Boulevard Hydropower LP	IPP	Stewarts Bridge	NY	2614	2	2.5	Conventional Hydroelectric
2013	6	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TP22	124.8	Solar Photovoltaic
2013	6	56440	G2 Energy LLC	IPP	G2 Energy Hay Rd	CA	58320	362	1.5	Landfill Gas
2013	6	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGC	1.5	Onshore Wind Turbine
2013	6	58211	Highlander Solar 1, LLC	IPP	SEPV 8	CA	58234	SPV8	11.8	Solar Photovoltaic
2013	6	58198	Highlander Solar 2, LLC	IPP	SEPV9 Power Plant	CA	58227	SPV9	8.5	Solar Photovoltaic
2013	6	58320	Lenoir Farm 2 LLC	IPP	Lenoir Farm 2	NC	58334	1	5.0	Solar Photovoltaic
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	11	96.3	Natural Gas Fired Combustion Turbine
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	12	96.3	Natural Gas Fired Combustion Turbine
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	13	96.3	Natural Gas Fired Combustion Turbine
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	14	96.3	Natural Gas Fired Combustion Turbine
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	15	96.3	Natural Gas Fired Combustion Turbine
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	16	96.3	Natural Gas Fired Combustion Turbine
2013	6	58363	Oakley Solar Project LLC	IPP	Oakley Solar Project	CA	58376	1	1.5	Solar Photovoltaic
2013	6	57165	Otay Landfill Gas LLC	IPP	Otay	CA	52204	OTA5	1.5	Landfill Gas
2013	6	57165	Otay Landfill Gas LLC	IPP	Otay	CA	52204	OTA6	1.5	Landfill Gas
2013	6	14328	Pacific Gas & Electric Co	Electric Utility	Gates Solar Station	CA	57892	1	20.0	Solar Photovoltaic
2013	6	58365	Petra Nova Parish Holdings LLC	IPP	W.A. Parish Carbon Capture Plant	TX	58378	GT2	74.0	Natural Gas Fired Combustion Turbine
2013	6	58111	RE Kansas South LLC	IPP	RE Kansas South LLC	CA	58148	KS	20.0	Solar Photovoltaic
2013	6	57313	SolarCity Corporation	IPP	Town of East Bridgewater	MA	58586	1	2.0	Solar Photovoltaic
2013	7	58335	Bolton Farm LLC	IPP	Bolton Farm	NC	58349	1	5.0	Solar Photovoltaic
2013	7	306	Brookfield Renewable Power	Industrial	Cheoah	NC	54899	3A	27.5	Conventional Hydroelectric
2013	7	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE1	33.4	Solar Photovoltaic
2013	7	20364	City of West Bend	Electric Utility	West Bend	IA	1199	5	2.5	Petroleum Liquids
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9581	0.4	Other Natural Gas
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9583	0.4	Other Natural Gas
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9585	0.4	Other Natural Gas
2013	7	56769	Consolidated Edison Development Inc.	IPP	White River Solar	CA	58373	WRCA	20.0	Solar Photovoltaic
2013	7	56615	First Solar Energy LLC	IPP	Imperial Solar Energy Center South	CA	58468	IVS1	46.6	Solar Photovoltaic
2013	7	19558	Homer Electric Assn Inc	Electric Utility	Nikiski Co-Generation	AK	55966	ST1	40.0	Natural Gas Fired Combined Cycle
2013	7	56155	Lansing Board of Water and Light	Electric Utility	Lansing BWL REO Town Plant	MI	58427	CTG1	44.7	Natural Gas Fired Combustion Turbine
2013	7	56155	Lansing Board of Water and Light	Electric Utility	Lansing BWL REO Town Plant	MI	58427	CTG2	44.7	Natural Gas Fired Combustion Turbine
2013	7	56155	Lansing Board of Water and Light	Electric Utility	Lansing BWL REO Town Plant	MI	58427	ST	13.3	Other Natural Gas
2013	7	58319	Lenoir Farm LLC	IPP	Lenoir Farm	NC	58333	1	5.0	Solar Photovoltaic
2013	7	11208	Los Angeles Department of Water & Power	Commercial	CBS Television City	CA	58253	GEN1	1.6	Solar Photovoltaic
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	7	195.0	Natural Gas Fired Combined Cycle
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	8	60.0	Natural Gas Fired Combined Cycle
2013	7	13683	North Carolina El Member Corp	Electric Utility	Hamlet Generating Facility	NC	56292	ES6	56.5	Natural Gas Fired Combustion Turbine
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG10	0.6	Petroleum Liquids
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG7	0.6	Petroleum Liquids
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG8	0.6	Petroleum Liquids
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG9	0.6	Petroleum Liquids
2013	7	15500	Puget Sound Energy Inc	Electric Utility	Lower Baker	WA	3855	4	30.4	Conventional Hydroelectric
2013	7	58309	Radiance Solar LLC	IPP	Radiance Solar 4	CA	58354	1	1.5	Solar Photovoltaic
2013	7	58309	Radiance Solar LLC	IPP	Radiance Solar 5	CA	58355	1	1.5	Solar Photovoltaic
2013	7	58366	Toro Energy of California SLO	IPP	Cold Canyon 1	CA	58379	W3998	1.5	Landfill Gas
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN1	0.8	Landfill Gas
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN2	0.8	Landfill Gas
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN3	0.8	Landfill Gas
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN4	0.8	Landfill Gas
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN5	0.8	Landfill Gas
2013	7	57081	Washington Gas Energy Systems, Inc.	IPP	Orange PV	MA	58411	SOQ23	2.0	Solar Photovoltaic
2013	7	58328	Wilson Farm 1 LLC	IPP	Wilson Farm 1	NC	58342	1	5.0	Solar Photovoltaic
2013	7	56751	Yolo County of	IPP	Grassland 3 Solar Project	CA	58204	INV3	1.0	Solar Photovoltaic
2013	7	56751	Yolo County of	IPP	Grassland 4 Solar Project	CA	58217	INV4	1.0	Solar Photovoltaic
2013	8	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE4	25.0	Solar Photovoltaic
2013	8	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE5	27.3	Solar Photovoltaic
2013	8	58440	CD US Solar MT 2 LLC	IPP	Watts 3115	CA	58454	1	1.5	Solar Photovoltaic
2013	8	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE2	25.6	Solar Photovoltaic
2013	8	56769	Consolidated Edison Development Inc.	IPP	Corcoran Solar	CA	58374	CSCA	20.0	Solar Photovoltaic
2013	8	56769	Consolidated Edison Development Inc.	IPP	Northbridge Solar	MA	58385	NSMA	1.9	Solar Photovoltaic
2013	8	5070	Delaware Electric Cooperative	Electric Utility	Bruce A Henry Solar Farm	DE	58473	BHSF	4.0	Solar Photovoltaic
2013	8	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED3	3.7	Other Natural Gas
2013	8	58368	Doyon Utilities, LLC	Commercial	JBer Landfill Gas Power Plant	AK	58380	5	1.4	Landfill Gas
2013	8	56440	G2 Energy LLC	IPP	G2 Energy Ostrom Road LLC	CA	57133	361	1.5	Landfill Gas
2013	8	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Mustang Station Unit 4	TX	56326	GEN3	145.0	Natural Gas Fired Combustion Turbine
2013	8	2860	Los Esteros Critical Energy Facility LLC	IPP	Los Esteros Critical Energy Center	CA	55748	CAG5	126.1	Natural Gas Fired Combined Cycle
2013	8	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	5	195.0	Natural Gas Fired Combined Cycle
2013	8	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	6	60.0	Natural Gas Fired Combined Cycle
2013	8	14328	Pacific Gas & Electric Co	Electric Utility	Guernsey Solar Station	CA	57891	1	20.0	Solar Photovoltaic
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	CTG1	185.0	Natural Gas Fired Combined Cycle
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	CTG2	185.0	Natural Gas Fired Combined Cycle
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	STG1	245.0	Natural Gas Fired Combined Cycle
2013	9	58488	Alaska Environmental Power	IPP	Delta Wind Farm	AK	58511	EW2	0.9	Onshore Wind Turbine
2013	9	58300	Ameresco Select Inc	Commercial	CJTS Energy Center	CT	58365	UNIT7	0.4	Other Natural Gas
2013	9	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	01	40.0	Natural Gas Fired Combustion Turbine
2013	9	57031	Beacon Power LLC	IPP	Hazle Spindle	PA	57716	HRS1	20.0	Flywheels
2013	9	11268	City of Lowell - (MI)	Electric Utility	Chatham	MI	58254	CTOIS	3.4	Natural Gas Fired Combustion Turbine
2013	9	56523	Colorado Highlands Wind LLC	IPP	Colorado Highlands Wind	CO	57174	CHW2	23.8	Onshore Wind Turbine
2013	9	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED4	3.7	Other Natural Gas
2013	9	56615	First Solar Energy LLC	IPP	Maryland Solar	MD	58408	MSH1	20.0	Solar Photovoltaic

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2013

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology
2013	9	58318	Haynes Farm LLC	IPP	Haynes Farm	NC	58332	1	5.0	Solar Photovoltaic
2013	9	58429	Houweling's Tomatoes	Electric CHP	Houweling Nurseries	CA	58432	COG3	4.4	Other Natural Gas
2013	9	58336	McCallum Farm LLC	IPP	McCallum Farm	NC	58350	1	5.0	Solar Photovoltaic
2013	9	58324	Moorings Farm LLC	IPP	Moorings Farm	NC	58338	1	5.0	Solar Photovoltaic
2013	9	58473	NVT LICENSES, LLC	IPP	Spectrum Solar PV Power Project	NV	58490	1	30.0	Solar Photovoltaic
2013	9	16024	Riverwood Intl USA Inc	Industrial	Riverwood International Macon Mill	GA	54464	0005	39.5	Wood/Wood Waste Biomass
2013	9	17609	Southern California Edison Co	Electric Utility	Cal State Univ San Bernardino FC01	CA	57544	FC01	1.4	Other Natural Gas
2013	9	57176	WC Landfill Energy LLC	IPP	WC Landfill Energy LLC	NJ	57848	SOLAR	1.2	Solar Photovoltaic
2013	9	58327	White Cross Farm LLC	IPP	White Cross Farm	NC	58341	1	5.0	Solar Photovoltaic
2013	10	56023	Arizona Solar One LLC	IPP	Solana Generating Station	AZ	56812	GEN 1	125.0	Solar Thermal with Energy Storage
2013	10	56023	Arizona Solar One LLC	IPP	Solana Generating Station	AZ	56812	GEN2	125.0	Solar Thermal with Energy Storage
2013	10	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE3	33.4	Solar Photovoltaic
2013	10	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED5	3.7	Other Natural Gas
2013	10	58498	F H Stoltze Land & Lumber Co	Industrial	Stoltze CoGen1	MT	58523	STL2	3.8	Wood/Wood Waste Biomass
2013	10	56615	First Solar Energy LLC	IPP	Campo Verde Solar	CA	58467	CVS1	139.0	Solar Photovoltaic
2013	10	56615	First Solar Energy LLC	IPP	Imperial Solar Energy Center South	CA	58468	IVS2	46.6	Solar Photovoltaic
2013	10	56615	First Solar Energy LLC	Electric Utility	Los Lunas Solar Energy Center	NM	57571	LMS2	2.0	Solar Photovoltaic
2013	10	56615	First Solar Energy LLC	Electric Utility	Manzano Solar	NM	58521	MAN1	8.0	Solar Photovoltaic
2013	10	7477	Granger Electric Co	IPP	L&S Sweeteners	PA	58497	GEN1	1.6	Landfill Gas
2013	10	7477	Granger Electric Co	IPP	L&S Sweeteners	PA	58497	GEN2	1.6	Landfill Gas
2013	10	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2	32.3	Solar Photovoltaic
2013	10	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2C	70.0	Solar Photovoltaic
2013	10	58520	Huerfano River Wind, LLC	IPP	Huerfano River Wind	CO	58548	WTG1	2.0	Onshore Wind Turbine
2013	10	58520	Huerfano River Wind, LLC	IPP	Huerfano River Wind	CO	58548	WTG2	2.0	Onshore Wind Turbine
2013	10	58520	Huerfano River Wind, LLC	IPP	Huerfano River Wind	CO	58548	WTG3	2.0	Onshore Wind Turbine
2013	10	58321	Marshville Farm LLC	IPP	Marshville Farm	NC	58335	1	5.0	Solar Photovoltaic
2013	10	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	1A	122.0	Conventional Hydroelectric
2013	10	15793	Redwood Falls Public Util Comm	Electric Utility	Redwood Falls	MN	2009	8	0.5	Conventional Hydroelectric
2013	10	58522	Revolution Energy Solutions LLC	IPP	RES Ag - DM 2-1 LLC	NC	58566	CHP	0.4	Other Waste Biomass
2013	10	17718	Southwestern Public Service Co	Electric Utility	Quay County	NM	58125	1	23.0	Petroleum Liquids
2013	10	57081	Washington Gas Energy Systems, Inc.	IPP	Bellingham PV	MA	58403	SO032	3.0	Solar Photovoltaic

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.

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 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, and Month, 2013

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology
2013	1	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	ST3	387.0	Petroleum Liquids
2013	1	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	ST4	392.0	Petroleum Liquids
2013	1	22155	Texas State University - San Marcos	Commercial	Southwest Texas State University	TX	50263	GEN1	6.0	Other Natural Gas
2013	2	3456	Chevron Products Co-Pascagoula	Industrial	Pascagoula Cogen	MS	52084	TG1	4.0	Other Gases
2013	2	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	3	860.0	Nuclear
2013	2	814	Entergy Arkansas Inc	Electric Utility	Hamilton Moses	AR	168	1	67.0	Other Natural Gas
2013	2	814	Entergy Arkansas Inc	Electric Utility	Hamilton Moses	AR	168	2	67.0	Other Natural Gas
2013	2	814	Entergy Arkansas Inc	Electric Utility	Robert E Ritchie	AR	173	1	300.0	Other Natural Gas
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH1	1.1	Petroleum Liquids
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH2	1.2	Petroleum Liquids
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH3	1.0	Petroleum Liquids
2013	2	10171	Kentucky Utilities Co	Electric Utility	Tyrone	KY	1361	3	71.0	Conventional Steam Coal
2013	3	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Cabot Holyoke	MA	9864	6	9.3	Other Natural Gas
2013	3	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Cabot Holyoke	MA	9864	8	9.3	Other Natural Gas
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	11	0.0	Petroleum Liquids
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	12	2.0	Petroleum Liquids
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	13	2.0	Petroleum Liquids
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#1	0.7	Natural Gas Fired Combined Cycle
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#2	0.5	Natural Gas Fired Combined Cycle
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#3	0.5	Natural Gas Fired Combined Cycle
2013	3	56024	Kamin LLC	Industrial	Kamin LLC Wrens Mine	GA	55961	WM1	1.0	Petroleum Liquids
2013	3	56024	Kamin LLC	Industrial	Kamin LLC Wrens Mine	GA	55961	WM2	1.0	Petroleum Liquids
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	1A	11.0	Petroleum Liquids
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	1B	12.0	Petroleum Liquids
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	2A	12.0	Petroleum Liquids
2013	3	57303	State of Illinois	Commercial	Jacksonville Developmental Center	IL	57918	1	0.7	Conventional Steam Coal
2013	3	57303	State of Illinois	Commercial	Jacksonville Developmental Center	IL	57918	2	0.7	Conventional Steam Coal
2013	3	57303	State of Illinois	Commercial	Jacksonville Developmental Center	IL	57918	3	2.0	Conventional Steam Coal
2013	3	56694	Thermo No 1 BE 01 LLC	IPP	Thermo No 1	UT	57353	1	11.0	Geothermal
2013	4	58300	Ameresco Select Inc	Commercial	CJTS Energy Center	CT	58365	UNIT4	0.2	Other Natural Gas
2013	4	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ16	1.4	Conventional Hydroelectric
2013	4	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ17	1.4	Conventional Hydroelectric
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	1	52.5	Petroleum Liquids
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	2	51.0	Petroleum Liquids
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	3	137.5	Conventional Steam Coal
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	4	232.0	Conventional Steam Coal
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	5	2.5	Petroleum Liquids
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	6	2.5	Petroleum Liquids
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	1	0.6	Other Natural Gas
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	2	0.6	Other Natural Gas
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	3	0.6	Other Natural Gas
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	4	0.6	Other Natural Gas
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	5	0.6	Other Natural Gas
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	6	0.6	Other Natural Gas
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	7	0.6	Other Natural Gas
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI1	4.0	Conventional Hydroelectric
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI2	4.0	Conventional Hydroelectric
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI3	4.0	Conventional Hydroelectric
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI4	4.0	Conventional Hydroelectric
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI5	4.0	Conventional Hydroelectric
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI6	4.0	Conventional Hydroelectric
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI7	6.0	Conventional Hydroelectric
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI8	6.0	Conventional Hydroelectric
2013	5	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ14	0.3	Conventional Hydroelectric
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	10	2.0	Other Natural Gas
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	11	3.0	Other Natural Gas
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	12	3.0	Other Natural Gas
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	18	8.0	Other Natural Gas
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	8	2.0	Other Natural Gas
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	9	2.0	Other Natural Gas
2013	5	12944	City of Morganton - (NC)	Electric Utility	Water Filter Plant #2	NC	55534	3516	1.3	Petroleum Liquids
2013	5	54718	Dominion Energy Kewaunee Inc.	IPP	Kewaunee	WI	8024	1	566.0	Nuclear
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	5	128.0	Conventional Steam Coal
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	6	128.0	Conventional Steam Coal
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	4	94.0	Conventional Steam Coal
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	5	94.0	Conventional Steam Coal
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	6	133.0	Conventional Steam Coal
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	7	133.0	Conventional Steam Coal
2013	5	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	1	1.1	Petroleum Liquids
2013	5	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	2	1.1	Petroleum Liquids
2013	5	12631	NRG Delta LLC	IPP	Contra Costa	CA	228	6	337.0	Other Natural Gas
2013	5	12631	NRG Delta LLC	IPP	Contra Costa	CA	228	7	337.0	Other Natural Gas
2013	6	1687	Bio-Energy Partners	IPP	Ridgeview	WI	55925	GEN9	0.8	Landfill Gas
2013	6	5998	City of Estherville - (IA)	Electric Utility	Estherville	IA	1137	6	1.7	Petroleum Liquids
2013	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	4	63.0	Conventional Steam Coal
2013	6	55997	Domtar Paper Company Rothschild	Industrial	Domtar Paper Company Rothschild	WI	50190	TG2	4.7	Other Natural Gas
2013	6	814	Entergy Arkansas Inc	Electric Utility	Robert E Ritchie	AR	173	GT1	16.0	Natural Gas Fired Combustion Turbine
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	5	292.0	Other Natural Gas
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	6	238.0	Other Natural Gas
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	1	162.0	Petroleum Liquids
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	10	11.9	Petroleum Liquids
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	2	168.0	Petroleum Liquids
2013	6	17609	Southern California Edison Co	Electric Utility	San Onofre Nuclear Generating Station	CA	360	2	1,070.0	Nuclear
2013	6	17609	Southern California Edison Co	Electric Utility	San Onofre Nuclear Generating Station	CA	360	3	1,080.0	Nuclear
2013	7	803	Arizona Public Service Co	Electric Utility	Saguaro	AZ	118	1	110.0	Other Natural Gas
2013	7	803	Arizona Public Service Co	Electric Utility	Saguaro	AZ	118	2	100.0	Other Natural Gas
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ01	0.7	Conventional Hydroelectric
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ02	0.3	Conventional Hydroelectric
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ03	0.3	Conventional Hydroelectric
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ04	0.3	Conventional Hydroelectric
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ05	0.3	Conventional Hydroelectric
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ06	0.3	Conventional Hydroelectric
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ07	0.3	Conventional Hydroelectric
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ08	0.3	Conventional Hydroelectric
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ09	0.3	Conventional Hydroelectric
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ10	0.3	Conventional Hydroelectric
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ11	0.3	Conventional Hydroelectric
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ12	0.3	Conventional Hydroelectric
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ13	0.3	Conventional Hydroelectric
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ15	0.5	Conventional Hydroelectric
2013	7	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	GEN2	13.0	Natural Gas Fired Combustion Turbine
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Power	CA	330	3	335.0	Other Natural Gas
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG1A	0.3	Petroleum Liquids

Table 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, and Month, 2013

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG2A	0.3	Petroleum Liquids
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG3A	0.3	Petroleum Liquids
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG4A	0.3	Petroleum Liquids
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG5	0.3	Petroleum Liquids
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG6	0.3	Petroleum Liquids
2013	7	14328	Pacific Gas & Electric Co	Electric Utility	Alta Powerhouse	CA	214	2	1.0	Conventional Hydroelectric
2013	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	3	111.0	Conventional Steam Coal
2013	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	5	111.0	Conventional Steam Coal
2013	9	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	GILD	0.3	Conventional Hydroelectric
2013	9	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	TOM	0.4	Conventional Hydroelectric
2013	9	7140	Georgia Power Co	Electric Utility	Hartlee Branch	GA	709	2	325.0	Conventional Steam Coal
2013	9	17235	NRG REMA LLC	IPP	Titus	PA	3115	1	72.0	Conventional Steam Coal
2013	9	17235	NRG REMA LLC	IPP	Titus	PA	3115	2	72.0	Conventional Steam Coal
2013	9	17235	NRG REMA LLC	IPP	Titus	PA	3115	3	72.0	Conventional Steam Coal
2013	9	14465	Park 500 Philip Morris USA	Industrial	Park 500 Philip Morris USA	VA	50275	TG2	2.0	Conventional Steam Coal
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy Mitchell Power Station	PA	3181	2	82.0	Petroleum Liquids
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy Mitchell Power Station	PA	3181	3	278.0	Conventional Steam Coal
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	Hatfields Ferry Power Station	PA	3179	1	530.0	Conventional Steam Coal
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	Hatfields Ferry Power Station	PA	3179	2	530.0	Conventional Steam Coal
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	Hatfields Ferry Power Station	PA	3179	3	530.0	Conventional Steam Coal
2013	10	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Hope Utility	AK	7485	PG1	0.3	Petroleum Liquids
2013	10	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Hope Utility	AK	7485	PG2	0.3	Petroleum Liquids
2013	10	13756	Northern Indiana Pub Serv Co	Electric Utility	Dean H Mitchell	IN	996	9A	17.0	Natural Gas Fired Combustion Turbine
2013	10	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	10	103.8	Conventional Hydroelectric

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.

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 6.5. Planned U.S. Electric Generating Unit Additions

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology
2013	11	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	01	40.0	Natural Gas Fired Combustion Turbine
2013	11	56819	CSOLAR IV South LLC	IPP	Imperial Solar Energy Center South	CA	57490	56819	128.9	Solar Photovoltaic
2013	11	57365	Consolidated Edison Solutions Inc	IPP	Quittacas Pond Solar	MA	58362	QPMA	3.5	Solar Photovoltaic
2013	11	58491	Constellation NewEnergy, Inc	IPP	Owens Corning at Bethlehem	NY	58550	PV1	2.7	Solar Photovoltaic
2013	11	58468	Dominion Renewable Energy	IPP	Bridgeport Fuel Cell Park	CT	58551	1	14.9	Other Natural Gas
2013	11	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	1	1.2	Conventional Hydroelectric
2013	11	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	2	1.2	Conventional Hydroelectric
2013	11	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	3	1.2	Conventional Hydroelectric
2013	11	56615	First Solar Energy LLC	Electric Utility	Deming Solar Energy Center	NM	57575	HON2	4.0	Solar Photovoltaic
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL12	39.1	Solar Photovoltaic
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL13	39.1	Solar Photovoltaic
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL16	22.7	Solar Photovoltaic
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL17	29.0	Solar Photovoltaic
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL20	25.2	Solar Photovoltaic
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL1	40.3	Solar Photovoltaic
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL10	30.2	Solar Photovoltaic
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL11	20.2	Solar Photovoltaic
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL2	40.3	Solar Photovoltaic
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL3	40.3	Solar Photovoltaic
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL4	30.2	Solar Photovoltaic
2013	11	56615	First Solar Energy LLC	Electric Utility	Otero Solar	NM	58520	OTE1	7.5	Solar Photovoltaic
2013	11	58541	Forbes Street Solar, LLC	IPP	Forbes Street Solar	RI	58583	FSS1	3.0	Solar Photovoltaic
2013	11	58186	GL Dairy Biogas LLC	IPP	GL Dairy Biogas	WI	58219	1426	1.4	Other Waste Biomass
2013	11	58186	GL Dairy Biogas LLC	IPP	GL Dairy Biogas	WI	58219	633	0.6	Other Waste Biomass
2013	11	56723	Genesis Solar LLC	IPP	Genesis Solar Energy Project	CA	57394	GEN02	125.0	Solar Thermal without Energy Storage
2013	11	58527	Gettysburg Energy and Nutrient Recovery Facility LLC	IPP	Gettysburg Energy & Nutrient Recovery Facility	PA	58565	GENRF	2.5	Other Waste Biomass
2013	11	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP1	2.5	Other Waste Biomass
2013	11	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP2	2.5	Other Waste Biomass
2013	11	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP3	2.5	Other Waste Biomass
2013	11	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP4	2.5	Other Waste Biomass
2013	11	58376	IND Solar Farm	IPP	IND Solar Farm 1st Phase	IN	58391	1	10.0	Solar Photovoltaic
2013	11	10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN1	4.4	Natural Gas Fired Combustion Turbine
2013	11	10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN2	4.4	Natural Gas Fired Combustion Turbine
2013	11	58538	Laverne Battery	IPP	Laverne Battery	MN	58579	1	1.0	Batteries
2013	11	11018	Lincoln Electric System	Electric Utility	Terry Bundy Generating Station	NE	7887	LFG1	1.6	Landfill Gas
2013	11	11018	Lincoln Electric System	Electric Utility	Terry Bundy Generating Station	NE	7887	LFG2	1.6	Landfill Gas
2013	11	11018	Lincoln Electric System	Electric Utility	Terry Bundy Generating Station	NE	7887	LFG3	1.6	Landfill Gas
2013	11	20508	MeadWestvaco Corp	Industrial	Covington Facility	VA	50900	GEN7	81.0	Wood/Wood Waste Biomass
2013	11	58323	Moore Solar Farm LLC	IPP	Moore Solar Farm	NC	58337	1	5.0	Solar Photovoltaic
2013	11	58197	Newberry Solar 1 LLC	IPP	Newberry Solar 1 LLC	CA	58226	1	1.5	Solar Photovoltaic
2013	11	58341	Nippon Paper Industries USA	Industrial	NPI USA Cogeneration Plant	WA	58352	G-11	20.0	Wood/Wood Waste Biomass
2013	11	34691	Ormat Nevada Inc	IPP	Wild Rose Geothermal Power Plant	NV	58533	1	8.8	Geothermal
2013	11	15458	PPL Holtwood LLC	IPP	PPL Holtwood	PA	3145	HW19	62.5	Conventional Hydroelectric
2013	11	56067	Plainfield Renewable Energy, LLC	IPP	Plainfield Renewable Energy LLC	CT	56847	STG	37.5	Wood/Wood Waste Biomass
2013	11	58547	Port of Tillamook Bay	IPP	POTB Digester	OR	58591	GEN1	1.0	Other Waste Biomass
2013	11	58481	RE Gillespie 1 LLC	IPP	Gillespie 1	AZ	58501	GILL1	15.0	Solar Photovoltaic
2013	11	58480	RE Rio Grande, LLC	IPP	Rio Grande	CA	58500	RIO	5.0	Solar Photovoltaic
2013	11	58175	RE Victor Phelan Solar One LLC	IPP	RE Victor Phelan Solar One LLC	CA	58202	VPS1	20.0	Solar Photovoltaic
2013	11	58522	Revolution Energy Solutions LLC	IPP	RES Ag - DM 4-3 LLC	NC	58567	CHP	0.7	Other Waste Biomass
2013	11	58536	Smithfield-Farmland Packaged Food Group	Industrial	Smithfield Farmland Kinston	NC	58575	1	2.3	Petroleum Liquids
2013	11	58536	Smithfield-Farmland Packaged Food Group	Industrial	Smithfield Farmland Kinston	NC	58575	2	2.3	Petroleum Liquids
2013	11	58536	Smithfield-Farmland Packaged Food Group	Industrial	Smithfield Farmland Kinston	NC	58575	3	2.3	Petroleum Liquids
2013	11	58536	Smithfield-Farmland Packaged Food Group	Industrial	Smithfield Farmland Kinston	NC	58575	4	2.3	Petroleum Liquids
2013	11	58524	South Boston Energy LLC	IPP	Halifax County Biomass	VA	58560	STG1	44.3	Wood/Wood Waste Biomass
2013	11	58418	State Fair Community College	IPP	Missouri Center for Waste to Energy	MO	58421	320	1.0	Landfill Gas
2013	11	58418	State Fair Community College	IPP	Missouri Center for Waste to Energy	MO	58421	420	1.4	Landfill Gas
2013	11	58551	Steele Flats Wind Project LLC	IPP	Steele Flats Wind Project LLC	NE	58594	1	74.8	Onshore Wind Turbine
2013	11	58269	Tulare PV II LLC	IPP	Kingsburg Solar	CA	58304	1	1.5	Solar Photovoltaic
2013	11	58269	Tulare PV II LLC	IPP	Kingsburg Solar	CA	58304	2	1.5	Solar Photovoltaic
2013	11	58269	Tulare PV II LLC	IPP	Kingsburg Solar	CA	58304	3	0.7	Solar Photovoltaic
2013	11	58545	Tuscola Wind II LLC	IPP	Tuscola Wind II LLC	MI	58587	1	100.3	Onshore Wind Turbine
2013	11	57081	Washington Gas Energy Systems, Inc.	IPP	Marshfield PV	MA	58410	SO032	3.0	Solar Photovoltaic
2013	11	57081	Washington Gas Energy Systems, Inc.	IPP	Maynard PV	MA	58412	SO026	1.0	Solar Photovoltaic
2013	11	57081	Washington Gas Energy Systems, Inc.	IPP	Rio Rancho High School	NM	58589	RRHS	1.0	Solar Photovoltaic
2013	11	57081	Washington Gas Energy Systems, Inc.	IPP	Sue Cleveland High School	NM	58588	SCHS	1.0	Solar Photovoltaic
2013	11	20847	Wisconsin Electric Power Co	IPP	Rothschild Biomass Cogen Facility	WI	58124	1	50.0	Wood/Wood Waste Biomass
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	1	0.5	Petroleum Liquids
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	2	0.5	Petroleum Liquids
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	3	0.5	Petroleum Liquids
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	4	0.5	Petroleum Liquids
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Togiak	AK	6348	5A	0.8	Petroleum Liquids
2013	12	803	Arizona Public Service Co	Electric Utility	Foothills Solar Plant	AZ	57997	PV2	18.0	Solar Photovoltaic
2013	12	803	Arizona Public Service Co	Electric Utility	Hyder II	AZ	58383	PV1	18.0	Solar Photovoltaic
2013	12	58521	BIOFerm USA Inc	IPP	Oshkosh Foundation Rosedale Biodigester LLC	WI	58555	95100	1.4	Other Waste Biomass
2013	12	57421	BayWa r.e Wind LLC	IPP	Broadview Energy Prime 2 LLC	NM	58465	0002	9.9	Onshore Wind Turbine
2013	12	57421	BayWa r.e Wind LLC	IPP	Broadview Energy Prime LLC	NM	58464	0001	9.9	Onshore Wind Turbine
2013	12	58262	Belectric Inc	IPP	Industry Solar Power Generation Station 1 LLC	CA	58609	ISP1	1.5	Solar Photovoltaic
2013	12	58262	Belectric Inc	IPP	Navajo Solar Power Generation Station 1 LLC	CA	58610	NSP1	1.5	Solar Photovoltaic
2013	12	58262	Belectric Inc	IPP	Otoe Solar Power Generation Station 1 LLC	CA	58612	1	1.5	Solar Photovoltaic
2013	12	58262	Belectric Inc	IPP	Powhatan Solar Power Generation Station 1 LLC	CA	58611	1	1.5	Solar Photovoltaic
2013	12	57430	Berlin Station, LLC	IPP	Burgess BioPower	NH	58054	STO1	67.5	Wood/Wood Waste Biomass
2013	12	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN6	1.6	Landfill Gas
2013	12	58461	Buffalo Dunes Wind Project LLC	IPP	Buffalo Dunes Wind Project	KS	58474	GE1	249.8	Onshore Wind Turbine
2013	12	58440	CD US Solar MT 2 LLC	IPP	Watts 3115	CA	58454	2	0.5	Solar Photovoltaic
2013	12	58540	California PV Energy LLC	IPP	Oltmans SCE at Champagne	CA	58581	1	1.0	Solar Photovoltaic
2013	12	58540	California PV Energy LLC	IPP	Oltmans SCE at Jurupa	CA	58582	1	1.5	Solar Photovoltaic
2013	12	58546	Cascade Solar LLC	IPP	Cascade Solar	CA	58590	1	18.5	Solar Photovoltaic
2013	12	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE4	33.4	Solar Photovoltaic
2013	12	10056	City of Kaukauna	Electric Utility	New Badger	WI	4120	3	4.0	Conventional Hydroelectric
2013	12	10056	City of Kaukauna	Electric Utility	New Badger	WI	4120	4	4.0	Conventional Hydroelectric
2013	12	57365	Consolidated Edison Solutions Inc	IPP	Desert Hot Springs Solar	CA	58514	DHCA	2.2	Solar Photovoltaic
2013	12	58239	Desert Sky Solar LLC	IPP	Badger 1	AZ	58262	1	14.8	Solar Photovoltaic
2013	12	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED6	3.7	Other Natural Gas
2013	12	58468	Dominion Renewable Energy	IPP	Azalea Solar Power Facility	GA	58482	1	7.7	Solar Photovoltaic
2013	12	58468	Dominion Renewable Energy	IPP	Indy Solar 1	IN	58552	1	10.0	Solar Photovoltaic
2013	12	58468	Dominion Renewable Energy	IPP	Indy Solar II	IN	58556	1	10.1	Solar Photovoltaic
2013	12	58468	Dominion Renewable Energy	IPP	Indy Solar III	IN	58553	1	8.6	Solar Photovoltaic
2013	12	58468	Dominion Renewable Energy	IPP	Somers Solar Center	CT	58554	1	5.0	Solar Photovoltaic
2013	12	57280	Eagle Creek RE LLC	IPP	Rio	NY	2631	RIO2	0.8	Conventional Hydroelectric
2013	12	58535	Eagle Valley Clean Energy LLC	IPP	Eagle Valley Clean Energy LLC Biomass	CO	58574	01	11.3	Wood/Wood Waste Biomass
2013	12	56381	Enel Cove Fort LLC	IPP	Enel Cove Fort	UT	58570	1-G1A	4.4	Geothermal
2013	12	56381	Enel Cove Fort LLC	IPP	Enel Cove Fort	UT	58570	2-G1A	4.4	Geothermal

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology
2013	12	58523	Enerdyne Power Systems Inc	IPP	BiCounty Gas Producers LLC	TN	58559	GEN2	1.9	Landfill Gas
2013	12	58523	Enerdyne Power Systems Inc	IPP	Oak Grove Gas Producers	KS	57489	G2	1.9	Landfill Gas
2013	12	58523	Enerdyne Power Systems Inc	IPP	Onslow Power Producers	NC	58558	GEN1	1.9	Landfill Gas
2013	12	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL14	26.5	Solar Photovoltaic
2013	12	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL15	13.9	Solar Photovoltaic
2013	12	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ3	151.9	Solar Photovoltaic
2013	12	58537	Fresh Air Energy IV LLC		Sonora 1	CA	58578	SON1	1.5	Solar Photovoltaic
2013	12	58178	GSA Metropolitan Service Center	Electric CHP	Central Utility Plant at White Oak	MD	58207	G12	5.0	Other Natural Gas
2013	12	58178	GSA Metropolitan Service Center	Electric CHP	Central Utility Plant at White Oak	MD	58207	G7	7.5	Natural Gas Fired Combustion Turbine
2013	12	58178	GSA Metropolitan Service Center	Electric CHP	Central Utility Plant at White Oak	MD	58207	G8	7.5	Natural Gas Fired Combustion Turbine
2013	12	58178	GSA Metropolitan Service Center	Electric CHP	Central Utility Plant at White Oak	MD	58207	G9	4.5	Natural Gas Fired Combustion Turbine
2013	12	56611	Gainesville Renewable Energy Center LLC	IPP	Gainesville Renewable Energy Center	FL	57241	1	102.5	Wood/Wood Waste Biomass
2013	12	58526	Hometown Bio Energy LLC	Electric CHP	Hometown Bio Energy LLC	MN	58563	HTBE	7.5	Other Waste Biomass
2013	12	49893	Invenergy Services LLC	IPP	Goldthwaite Wind Energy Facility	TX	58321	1	150.0	Onshore Wind Turbine
2013	12	49893	Invenergy Services LLC		Lakeland Solar Energy LLC	GA	58572	1	0.9	Solar Photovoltaic
2013	12	49893	Invenergy Services LLC		Lakeland Solar Energy LLC	GA	58572	2	0.9	Solar Photovoltaic
2013	12	56911	Kalaeloa Solar One LLC	IPP	Kalaeloa Solar One	HI	57569	KS1-A	3.1	Solar Thermal with Energy Storage
2013	12	56911	Kalaeloa Solar One LLC	IPP	Kalaeloa Solar One	HI	57569	KS1-B	3.1	Solar Thermal with Energy Storage
2013	12	57499	NRG Energy Services	IPP	Ivanpah 1	CA	57074	ST1	125.0	Solar Thermal without Energy Storage
2013	12	57499	NRG Energy Services	IPP	Ivanpah 2	CA	57073	ST1	133.0	Solar Thermal without Energy Storage
2013	12	57499	NRG Energy Services	IPP	Ivanpah 3	CA	57075	ST1	133.0	Solar Thermal without Energy Storage
2013	12	58515	NextEra Energy Mountain View Solar	IPP	Mountain View Solar	NV	58544	1	20.0	Solar Photovoltaic
2013	12	55868	Noble Wind Operations LLC	IPP	Noble Belmont Windpark LLC	NY	56903	1	21.0	Onshore Wind Turbine
2013	12	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Hope Utility	AK	7485	PG1A	1.0	Petroleum Liquids
2013	12	58489	OCI Solar Power	IPP	OCI Alamo Solar I	TX	58537	1	40.7	Solar Photovoltaic
2013	12	15458	PPL Holtwood LLC	IPP	PPL Holtwood	PA	3145	HW18	62.5	Conventional Hydroelectric
2013	12	58245	Patua Project LLC	IPP	Patua Geothermal Project Phase 1A	NV	58319	1	10.0	Geothermal
2013	12	58245	Patua Project LLC	IPP	Patua Geothermal Project Phase 1A	NV	58319	3	10.0	Geothermal
2013	12	58245	Patua Project LLC	IPP	Patua Geothermal Project Phase 1A	NV	58319	5	10.0	Geothermal
2013	12	58539	Pheasant Run Wind LLC	IPP	Pheasant Run Wind LLC	MI	58580	1	74.8	Onshore Wind Turbine
2013	12	56205	Philadelphia Water Department	Commercial	PWD Northeast WPCP Biogas Cogen Plant	PA	58326	NBG1	1.4	Other Waste Biomass
2013	12	56205	Philadelphia Water Department	Commercial	PWD Northeast WPCP Biogas Cogen Plant	PA	58326	NBG2	1.4	Other Waste Biomass
2013	12	56205	Philadelphia Water Department	Commercial	PWD Northeast WPCP Biogas Cogen Plant	PA	58326	NBG3	1.4	Other Waste Biomass
2013	12	56205	Philadelphia Water Department	Commercial	PWD Northeast WPCP Biogas Cogen Plant	PA	58326	NBG4	1.4	Other Waste Biomass
2013	12	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	CA1	263.0	Natural Gas Fired Combined Cycle
2013	12	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	CT1	181.0	Natural Gas Fired Combined Cycle
2013	12	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	CT2	181.0	Natural Gas Fired Combined Cycle
2013	12	58482	RE Columbia 3 LLC	IPP	Columbia 3	CA	58502	COL3	10.0	Solar Photovoltaic
2013	12	58478	RE Rosamond One LLC	IPP	Rosamond One	CA	58498	RONE	20.0	Solar Photovoltaic
2013	12	58479	RE Rosamond Two LLC	IPP	Rosamond Two	CA	58499	RTWO	20.0	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011A	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011B	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011C	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011D	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011E	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011F	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011G	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013A	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013B	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013C	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013D	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013E	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013F	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013G	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016A	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016B	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016C	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017A	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017B	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017C	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017D	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017E	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017F	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017G	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026A	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026B	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026C	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026D	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026E	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026F	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026G	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026H	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026I	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026J	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026K	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026L	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027A	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027B	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027C	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027D	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028A	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028B	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028C	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028D	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028E	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028F	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028G	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32A	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32B	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32C	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33A	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33B	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44A	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44B	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44C	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44D	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44E	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44F	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44G	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44H	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44I	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44J	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44K	0.5	Solar Photovoltaic

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44L	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44M	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44N	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44O	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44P	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48A	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48B	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48C	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48D	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48E	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48F	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48G	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48H	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48I	0.5	Solar Photovoltaic
2013	12	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48J	0.5	Solar Photovoltaic
2013	12	57469	Stony Creek Wind Farm NY	IPP	Stony Creek Wind Farm NY	NY	58088	1	94.4	Onshore Wind Turbine
2013	12	5109	The DTE Electric Company	Electric Utility	Echo Wind Park	MI	58121	GEN1	112.0	Onshore Wind Turbine
2013	12	56641	Tonopah Solar Energy LLC	IPP	Crescent Dunes Solar Energy	NV	57275	TSE-1	110.0	Solar Thermal with Energy Storage
2013	12	58329	Yanceyville Farm LLC	IPP	Yanceyville Farm	NC	58343	1	5.0	Solar Photovoltaic
2014	1	58433	Ameresco Forward, LLC	IPP	Ameresco Forward	CA	58437	ENG1	2.1	Landfill Gas
2014	1	58433	Ameresco Forward, LLC	IPP	Ameresco Forward	CA	58437	ENG2	2.1	Landfill Gas
2014	1	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	02	40.0	Natural Gas Fired Combustion Turbine
2014	1	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	03	40.0	Natural Gas Fired Combustion Turbine
2014	1	57414	Eli Lilly and Company	Industrial	Lilly Technical Center	IN	58043	5	1.0	All Other
2014	1	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL18	29.0	Solar Photovoltaic
2014	1	49893	Invenergy Services LLC	IPP	Prairie Breeze	NE	58322	1	206.5	Onshore Wind Turbine
2014	1	12670	Missouri Jnt Muni.Pwr Elec. Ut. Comm.	Electric Utility	Fredericktown Energy Center	MO	57946	UNIT1	12.0	Natural Gas Fired Combustion Turbine
2014	1	12670	Missouri Jnt Muni.Pwr Elec. Ut. Comm.	Electric Utility	Fredericktown Energy Center	MO	57946	UNIT2	12.0	Natural Gas Fired Combustion Turbine
2014	1	34691	Ormat Nevada Inc	IPP	Heber Solar	CA	58398	1	10.0	Solar Photovoltaic
2014	1	50102	Rock-Tenn Company	Industrial	Rock-Tenn Mill	AL	54763	4TG	30.0	Wood/Wood Waste Biomass
2014	1	2770	Terra-Gen Operating Co LLC	IPP	Alta Wind X	CA	58394	AW10	138.0	Onshore Wind Turbine
2014	1	2770	Terra-Gen Operating Co LLC	IPP	Alta Wind XI	CA	58395	AW11	90.0	Onshore Wind Turbine
2014	1	58268	Tulare PV I LLC	IPP	Exeter Solar	CA	58306	1	1.0	Solar Photovoltaic
2014	1	58268	Tulare PV I LLC	IPP	Exeter Solar	CA	58306	2	1.0	Solar Photovoltaic
2014	1	58268	Tulare PV I LLC	IPP	Exeter Solar	CA	58306	3	1.5	Solar Photovoltaic
2014	1	58268	Tulare PV I LLC	IPP	Ivanhoe Solar	CA	58307	1	1.5	Solar Photovoltaic
2014	1	58268	Tulare PV I LLC	IPP	Ivanhoe Solar	CA	58307	2	0.5	Solar Photovoltaic
2014	1	58268	Tulare PV I LLC	IPP	Ivanhoe Solar	CA	58307	3	1.5	Solar Photovoltaic
2014	1	58268	Tulare PV I LLC	IPP	Lindsay Solar	CA	58308	1	1.5	Solar Photovoltaic
2014	1	58268	Tulare PV I LLC	IPP	Lindsay Solar	CA	58308	3	1.5	Solar Photovoltaic
2014	1	58268	Tulare PV I LLC	IPP	Lindsay Solar	CA	58308	4	1.0	Solar Photovoltaic
2014	1	58268	Tulare PV I LLC	IPP	Porterville Solar	CA	58309	1	1.0	Solar Photovoltaic
2014	1	58268	Tulare PV I LLC	IPP	Porterville Solar	CA	58309	2	1.0	Solar Photovoltaic
2014	1	58268	Tulare PV I LLC	IPP	Porterville Solar	CA	58309	5	1.5	Solar Photovoltaic
2014	1	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH5	0.5	Landfill Gas
2014	1	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH6	0.5	Landfill Gas
2014	2	58462	Battery Utility of Ohio LLC	IPP	Battery Utility of Ohio	OH	58475	BOU	4.0	Batteries
2014	2	56769	Consolidated Edison Development Inc.	IPP	Frenchtown III Solar	NJ	58564	F3NJ	7.9	Solar Photovoltaic
2014	2	56615	First Solar Energy LLC	IPP	AV Solar Ranch One	CA	57378	AVSR	230.0	Solar Photovoltaic
2014	2	56615	First Solar Energy LLC	IPP	Agua Caliente Solar Project	AZ	57373	AGU3	110.0	Solar Photovoltaic
2014	2	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL5	25.2	Solar Photovoltaic
2014	2	19558	Homer Electric Assn Inc	Electric Utility	Soldotna	AK	57206	1	44.0	Natural Gas Fired Combustion Turbine
2014	2	11208	Los Angeles Department of Water & Power	Electric Utility	Maclay Solar Project	CA	57308	1	2.2	Solar Photovoltaic
2014	2	58326	Roxboro Farm LLC	IPP	Roxboro Farm	NC	58340	1	5.0	Solar Photovoltaic
2014	3	58432	Ameresco San Joaquin, LLC	IPP	Ameresco San Joaquin	CA	58436	ENG1	2.1	Landfill Gas
2014	3	58432	Ameresco San Joaquin, LLC	IPP	Ameresco San Joaquin	CA	58436	ENG2	2.1	Landfill Gas
2014	3	58431	Ameresco Vasco Road, LLC	IPP	Ameresco Vasco Road	CA	58435	ENG1	2.1	Landfill Gas
2014	3	58431	Ameresco Vasco Road, LLC	IPP	Ameresco Vasco Road	CA	58435	ENG2	2.1	Landfill Gas
2014	3	58262	Belectric Inc	IPP	Zuni Road North Solar Farm	CA	58285	ZNPV	1.5	Solar Photovoltaic
2014	3	58262	Belectric Inc	IPP	Zuni Road South Solar Farm	CA	58286	ZSPV	1.5	Solar Photovoltaic
2014	3	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE5	18.6	Solar Photovoltaic
2014	3	11268	City of Lowell - (MI)	Electric Utility	Chatham	MI	58254	CT02R	3.2	Natural Gas Fired Combustion Turbine
2014	3	56769	Consolidated Edison Development Inc.	IPP	Merrimac Solar	MA	58561	MSMA	1.5	Solar Photovoltaic
2014	3	58135	Ecos Energy LLC	IPP	Bear Creek Solar	CA	58508	PV3	1.5	Solar Photovoltaic
2014	3	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ4	71.8	Solar Photovoltaic
2014	3	56167	Imperial Valley Solar, LLC	IPP	Imperial Valley Solar, LLC	CA	56917	1	200.0	Solar Photovoltaic
2014	3	58325	New Bern Farm LLC	IPP	New Bern Farm	NC	58339	1	5.0	Solar Photovoltaic
2014	4	56979	Adobe Solar LLC	IPP	FRV Cygnus Solar Project	CA	57651	FRV3	20.0	Solar Photovoltaic
2014	4	58262	Belectric Inc	IPP	Venable 1 North	CA	58289	VNPV	1.5	Solar Photovoltaic
2014	4	58262	Belectric Inc	IPP	Venable 2 South	CA	58290	VSPV	1.5	Solar Photovoltaic
2014	4	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE6	25.6	Solar Photovoltaic
2014	4	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0001	1.0	Conventional Hydroelectric
2014	4	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0002	1.0	Conventional Hydroelectric
2014	4	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0003	1.0	Conventional Hydroelectric
2014	4	58135	Ecos Energy LLC	IPP	Kettleman Solar Project	CA	58510	PV5	1.0	Solar Photovoltaic
2014	4	58135	Ecos Energy LLC	IPP	Vintner Solar	CA	58509	PV4	1.5	Solar Photovoltaic
2014	4	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL6	25.2	Solar Photovoltaic
2014	4	56723	Genesis Solar LLC	IPP	Genesis Solar Energy Project	CA	57394	GEN01	125.0	Solar Thermal without Energy Storage
2014	4	57411	KDC Solar O&M LLC	Commercial	Mountain Creek Solar Facility	NJ	58364	MC	4.6	Solar Photovoltaic
2014	4	57331	Soitec Solar Development LLC	IPP	Desert Green Solar Farm LLC	CA	57959	1	5.0	Solar Photovoltaic
2014	4	58518	Sol Orchard Community, LLC	IPP	Community Solar 1	CA	58545	1	5.0	Solar Photovoltaic
2014	4	57355	Stephens Ranch Wind Energy LLC	IPP	Stephens Ranch Wind Energy LLC	TX	57983	1	377.5	Onshore Wind Turbine
2014	4	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	01	9.0	Other Natural Gas
2014	4	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	02	9.0	Other Natural Gas
2014	4	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	03	9.0	Other Natural Gas
2014	4	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	04	9.0	Other Natural Gas
2014	4	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	05	9.0	Other Natural Gas
2014	4	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	06	9.0	Other Natural Gas
2014	4	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	07	9.0	Other Natural Gas
2014	4	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	08	9.0	Other Natural Gas
2014	4	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	09	9.0	Other Natural Gas
2014	4	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	10	9.0	Other Natural Gas
2014	4	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	11	9.0	Other Natural Gas
2014	4	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	12	9.0	Other Natural Gas
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	1	1.6	Landfill Gas
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	2	1.6	Landfill Gas
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	3	1.6	Landfill Gas
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	4	1.6	Landfill Gas
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	5	1.6	Landfill Gas
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	6	1.6	Landfill Gas
2014	4	58414	Victor Dry Farm Ranch	IPP	Victor Dry Farm Ranch A	CA	58418	1	5.0	Solar Photovoltaic
2014	4	58414	Victor Dry Farm Ranch	IPP	Victor Dry Farm Ranch B	CA	58419	1	5.0	Solar Photovoltaic
2014	4	54842	WM Renewable Energy LLC	IPP	Metro Methane Recovery Facility	IA	54700	GEN10	1.6	Landfill Gas

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology
2014	4	54842	WM Renewable Energy LLC	IPP	Metro Methane Recovery Facility	IA	54700	GEN11	1.6	Landfill Gas
2014	4	54842	WM Renewable Energy LLC	IPP	Metro Methane Recovery Facility	IA	54700	GEN12	1.6	Landfill Gas
2014	5	58262	Belectric Inc	IPP	Gales A - West	CA	58287	GWPV	1.5	Solar Photovoltaic
2014	5	58262	Belectric Inc	IPP	Gales B - East	CA	58288	GEPV	1.5	Solar Photovoltaic
2014	5	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL7	20.2	Solar Photovoltaic
2014	5	58322	Mile Farm LLC	IPP	Mile Farm	NC	58336	1	5.0	Solar Photovoltaic
2014	5	58256	Milbury Solar LLC	IPP	Milbury Solar	MA	58280	1	3.0	Solar Photovoltaic
2014	5	12686	Mississippi Power Co	Electric Utility	Kemper County IGCC Project	MS	57037	1A	157.6	Coal Integrated Gasification Combined Cycle
2014	5	12686	Mississippi Power Co	Electric Utility	Kemper County IGCC Project	MS	57037	1B	157.6	Coal Integrated Gasification Combined Cycle
2014	5	12686	Mississippi Power Co	Electric Utility	Kemper County IGCC Project	MS	57037	1C	206.5	Coal Integrated Gasification Combined Cycle
2014	5	14354	PacifiCorp	Electric Utility	Lake Side 2	UT	58393	CT21	178.0	Natural Gas Fired Combined Cycle
2014	5	14354	PacifiCorp	Electric Utility	Lake Side 2	UT	58393	CT22	178.0	Natural Gas Fired Combined Cycle
2014	5	14354	PacifiCorp	Electric Utility	Lake Side 2	UT	58393	ST2	273.0	Natural Gas Fired Combined Cycle
2014	5	56999	Western Massachusetts Electric Company	IPP	Cottage Street Solar Facility	MA	58568	PV-3	3.2	Solar Photovoltaic
2014	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG1	29.3	Conventional Hydroelectric
2014	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG2	29.3	Conventional Hydroelectric
2014	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG3	29.3	Conventional Hydroelectric
2014	6	56870	Blue Sky West LLC	IPP	Bingham Wind	ME	57531	1	127.0	Onshore Wind Turbine
2014	6	3370	Channel Energy Center LLC	IPP	Channel Energy Center LLC	TX	55299	CTG3	183.0	Natural Gas Fired Combined Cycle
2014	6	4994	Deer Park Energy Center	Electric CHP	Deer Park Energy Center	TX	55464	CTG6	154.8	Natural Gas Fired Combined Cycle
2014	6	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL8	18.9	Solar Photovoltaic
2014	6	56615	First Solar Energy LLC	IPP	Solar Gen 2	CA	58592	ALHM	51.7	Solar Photovoltaic
2014	6	56615	First Solar Energy LLC	IPP	Solar Gen 2	CA	58592	ARK	51.7	Solar Photovoltaic
2014	6	56615	First Solar Energy LLC	IPP	Solar Gen 2	CA	58592	SONR	51.7	Solar Photovoltaic
2014	6	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5A	1,212.0	Natural Gas Fired Combined Cycle
2014	6	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5B		Natural Gas Fired Combined Cycle
2014	6	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5C		Natural Gas Fired Combined Cycle
2014	6	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5ST		Natural Gas Fired Combined Cycle
2014	6	57475	HOW GM LLC	IPP	HOW GM1	MA	58097	1	3.5	Solar Photovoltaic
2014	6	56633	Lake Country Wind Energy	IPP	Lake Country Wind Energy	MN	57255	1	40.0	Onshore Wind Turbine
2014	6	11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson	TX	4937	CT-1	162.0	Natural Gas Fired Combined Cycle
2014	6	11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson	TX	4937	CT-2	162.0	Natural Gas Fired Combined Cycle
2014	6	11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson	TX	4937	STG	186.0	Natural Gas Fired Combined Cycle
2014	6	11664	Mark Technologies Corp	IPP	Alta Mesa Project Phase IV	CA	55352	GEN1	40.0	Onshore Wind Turbine
2014	6	58255	Mass Midstate Solar 1 LLC	IPP	Mass Midstate Solar 1	MA	58279	1	5.0	Solar Photovoltaic
2014	6	58252	Mass Midstate Solar 2 LLC	IPP	Mass Midstate Solar 2	MA	58276	1	5.0	Solar Photovoltaic
2014	6	58251	Mass Midstate Solar 3 LLC	IPP	Mass Midstate Solar 3	MA	58275	1	4.0	Solar Photovoltaic
2014	6	57470	Noble Energy Systems, Inc.	IPP	Pea Patch Wind Farm	MD	58087	PEAP	50.0	Onshore Wind Turbine
2014	6	58388	Pantex (NNSA)	Commercial	Pantex	TX	58404	1	11.5	Onshore Wind Turbine
2014	6	56545	Pattern Operators LP	IPP	Pattern Panhandle Wind LLC	TX	58242	1	218.0	Onshore Wind Turbine
2014	6	56855	Performance Services	IPP	Purdue Energy Park	IN	57518	1	20.0	Onshore Wind Turbine
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	1	4.0	Landfill Gas
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	2	4.0	Landfill Gas
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	3	4.0	Landfill Gas
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	4	4.0	Landfill Gas
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	5	4.0	Landfill Gas
2014	6	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS50	49.9	Solar Photovoltaic
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN10	2.0	Other Natural Gas
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN7	2.0	Other Natural Gas
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN8	2.0	Other Natural Gas
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN9	2.0	Other Natural Gas
2014	6	58494	WSACC	IPP	WSACC Power Generation Facility	NC	58518	1	0.8	Other Waste Biomass
2014	6	56236	West Deptford Energy LLC	IPP	West Deptford Energy Station	NJ	56963	E101	304.0	Other Natural Gas
2014	6	56236	West Deptford Energy LLC	IPP	West Deptford Energy Station	NJ	56963	E102	304.0	Other Natural Gas
2014	7	20069	City of Wamego - (KS)	Electric Utility	Wamego	KS	1328	10	2.9	Other Natural Gas
2014	7	56625	Flat Water Wind Farm LLC	IPP	Flat Water Wind Farm	NE	57283	WTG2	10.5	Onshore Wind Turbine
2014	7	56660	Mojave Solar LLC	IPP	Mojave Solar Project	CA	57331	MSP1	125.0	Solar Thermal without Energy Storage
2014	7	56660	Mojave Solar LLC	IPP	Mojave Solar Project	CA	57331	MSP2	125.0	Solar Thermal without Energy Storage
2014	7	57379	PPG - O&M Panda Sherman Power LLC	IPP	Panda Sherman Power Station	TX	58005	CTG-1	204.0	Natural Gas Fired Combined Cycle
2014	7	57379	PPG - O&M Panda Sherman Power LLC	IPP	Panda Sherman Power Station	TX	58005	CTG-2	204.0	Natural Gas Fired Combined Cycle
2014	7	57379	PPG - O&M Panda Sherman Power LLC	IPP	Panda Sherman Power Station	TX	58005	STG-1	309.0	Natural Gas Fired Combined Cycle
2014	7	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-1	204.0	Natural Gas Fired Combined Cycle
2014	7	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-2	204.0	Natural Gas Fired Combined Cycle
2014	7	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	STG-1	309.0	Natural Gas Fired Combined Cycle
2014	8	58503	Garnet Solar Power Station 1 LLC	IPP	Garnet Solar Power Station 1 LLC	CA	58528	WDT44	4.0	Solar Photovoltaic
2014	9	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	1	35.0	Conventional Hydroelectric
2014	9	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	2	35.0	Conventional Hydroelectric
2014	9	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	3	35.0	Conventional Hydroelectric
2014	9	58259	Freetown Solar LLC	IPP	Freetown Solar	MA	58283	1	5.0	Solar Photovoltaic
2014	9	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN10	1.6	Landfill Gas
2014	9	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN11	1.6	Landfill Gas
2014	9	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN12	1.6	Landfill Gas
2014	9	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN9	1.6	Landfill Gas
2014	10	56702	510 REPP One LLC	IPP	510 REPP One	NC	57363	1	1.3	Solar Photovoltaic
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	01A	40.0	Natural Gas Fired Combined Cycle
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	01B	40.0	Natural Gas Fired Combined Cycle
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	01C	20.0	All Other
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	02A	40.0	Natural Gas Fired Combustion Turbine
2014	10	58562	Blueberry One, LLC	IPP	Blueberry One	NC	58605	PV1	5.0	Solar Photovoltaic
2014	10	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL9	22.7	Solar Photovoltaic
2014	10	8153	Hartford Steam Co	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN4	1.8	Other Natural Gas
2014	10	57389	IKEA Property Inc	IPP	Copper Mountain Solar 2	NV	58017	PV04	30.0	Solar Photovoltaic
2014	10	49893	Invenery Services LLC	IPP	Nelson Energy Center	IL	58573	CT1	155.7	Natural Gas Fired Combined Cycle
2014	10	49893	Invenery Services LLC	IPP	Nelson Energy Center	IL	58573	CT2	155.7	Natural Gas Fired Combined Cycle
2014	10	49893	Invenery Services LLC	IPP	Nelson Energy Center	IL	58573	ST1	129.6	Other Natural Gas
2014	10	49893	Invenery Services LLC	IPP	Nelson Energy Center	IL	58573	ST2	129.6	Other Natural Gas
2014	10	56724	Klamath Falls Bioenergy LLC	IPP	Klamath Falls Bioenergy Facility	OR	57388	EU1	37.0	Wood/Wood Waste Biomass
2014	10	56987	RRE Austin Solar LLC	IPP	Pflugerville Solar Farm	TX	57659	PSF	60.0	Solar Photovoltaic

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.

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 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
2013	11	3258	Central Iowa Power Cooperative	Electric Utility	Fair Station	IA	1218	1	23.0	Conventional Steam Coal
2013	11	3258	Central Iowa Power Cooperative	Electric Utility	Fair Station	IA	1218	2	41.0	Conventional Steam Coal
2013	11	13781	Northern States Power Co - Minnesota	Electric Utility	Alliant Techsystems	MN	7376	1	1.6	Petroleum Liquids
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT1	0.5	Petroleum Liquids
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT2	0.4	Petroleum Liquids
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT3	0.3	Petroleum Liquids
2013	12	56146	Black Hills/Colorado Elec.Util	Electric Utility	W N Clark	CO	462	1	17.6	Conventional Steam Coal
2013	12	56146	Black Hills/Colorado Elec.Util	Electric Utility	W N Clark	CO	462	2	24.9	Conventional Steam Coal
2013	12	2176	Brazos River Authority	Electric Utility	Morris Sheppard	TX	3557	1	12.0	Conventional Hydroelectric
2013	12	2176	Brazos River Authority	Electric Utility	Morris Sheppard	TX	3557	2	12.0	Conventional Hydroelectric
2013	12	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	7	48.0	Other Natural Gas
2013	12	5860	Empire District Electric Co	Electric Utility	Asbury	MO	2076	2	14.5	Conventional Steam Coal
2013	12	12827	Montclair State Univ Cogen	Commercial	Montclair Cogen Facility	NJ	54708	1	3.7	Natural Gas Fired Combustion Turbine
2013	12	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	1	97.0	Conventional Steam Coal
2013	12	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	2	90.0	Conventional Steam Coal
2013	12	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	3	366.0	Conventional Steam Coal
2014	1	19547	Hawaiian Electric Co Inc	Electric Utility	Honolulu	HI	764	H8	48.6	Petroleum Liquids
2014	1	19547	Hawaiian Electric Co Inc	Electric Utility	Honolulu	HI	764	H9	51.7	Petroleum Liquids
2014	1	9332	Indian River Operations Inc	IPP	Indian River Generating Station	DE	594	3	153.0	Conventional Steam Coal
2014	1	15466	Public Service Co of Colorado	Electric Utility	Arapahoe	CO	465	3	35.0	Conventional Steam Coal
2014	3	19545	Black Hills Power Inc	Electric Utility	Ben French	SD	3325	ST1	21.6	Conventional Steam Coal
2014	3	19545	Black Hills Power Inc	Electric Utility	Neil Simpson	WY	4150	5	14.6	Conventional Steam Coal
2014	3	19545	Black Hills Power Inc	Electric Utility	Osage	WY	4151	1	10.1	Conventional Steam Coal
2014	3	19545	Black Hills Power Inc	Electric Utility	Osage	WY	4151	2	10.1	Conventional Steam Coal
2014	3	19545	Black Hills Power Inc	Electric Utility	Osage	WY	4151	3	10.1	Conventional Steam Coal
2014	3	14165	NRG Power Midwest LP	IPP	Eirama Power Plant	PA	3098	1	93.0	Conventional Steam Coal
2014	3	14165	NRG Power Midwest LP	IPP	Eirama Power Plant	PA	3098	2	93.0	Conventional Steam Coal
2014	3	14165	NRG Power Midwest LP	IPP	Eirama Power Plant	PA	3098	3	103.0	Conventional Steam Coal
2014	3	14165	NRG Power Midwest LP	IPP	Eirama Power Plant	PA	3098	4	171.0	Conventional Steam Coal
2014	3	54842	WM Renewable Energy LLC	IPP	Monroe Livingston Gas Recovery	NY	50565	GEN2	0.8	Landfill Gas
2014	3	54842	WM Renewable Energy LLC	IPP	New Milford Gas Recovery	CT	50564	GEN4	0.8	Landfill Gas
2014	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	1	113.0	Conventional Steam Coal
2014	6	4161	Constellation Power Source Gen	IPP	Riverside	MD	1559	GT6	115.0	Natural Gas Fired Combustion Turbine
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	1	79.7	Conventional Steam Coal
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	2	78.0	Conventional Steam Coal
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	3	149.8	Conventional Steam Coal
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	4	436.8	Petroleum Liquids
2014	6	17235	NRG REMA LLC	IPP	Portland	PA	3113	1	141.0	Conventional Steam Coal
2014	6	17235	NRG REMA LLC	IPP	Portland	PA	3113	2	194.0	Conventional Steam Coal
2014	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	1	111.0	Conventional Steam Coal
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN1	14.0	Natural Gas Fired Combined Cycle
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN2	12.0	Natural Gas Fired Combined Cycle
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN4	10.0	Other Gases
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN5	10.0	Other Gases
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN6	10.0	Other Gases
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN7	10.0	Other Gases
2014	8	12986	Morton Salt Inc	Industrial	Morton Salt Rittman	OH	54335	GEN1	1.5	Conventional Steam Coal

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.

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 6.7.A. Capacity Factors for Utility Scale Generators Primarily Using Fossil Fuels, January 2008-October 2013

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%	
2011									
January	74.2%	39.7%	3.5%	7.8%	6.2%	10.5%	1.1%	2.7%	
February	66.4%	38.0%	3.6%	9.8%	6.4%	7.6%	0.8%	2.6%	
March	58.5%	34.2%	3.0%	7.5%	5.7%	10.5%	0.7%	2.0%	
April	55.7%	35.9%	3.8%	10.8%	6.2%	12.9%	1.6%	1.9%	
May	59.5%	36.3%	5.2%	11.2%	5.9%	13.9%	1.3%	1.8%	
June	70.6%	45.3%	6.7%	18.0%	7.9%	15.6%	1.7%	2.2%	
July	76.3%	56.9%	10.9%	23.6%	10.5%	19.5%	2.7%	2.0%	
August	74.0%	58.7%	8.7%	23.8%	9.9%	14.8%	1.7%	1.8%	
Sept	62.9%	48.4%	4.9%	13.5%	7.7%	13.9%	1.0%	1.9%	
October	54.9%	41.3%	3.2%	9.1%	7.0%	8.7%	0.7%	2.6%	
November	54.0%	40.8%	3.7%	7.3%	6.8%	7.5%	0.8%	2.4%	
December	57.3%	46.3%	3.5%	6.5%	7.1%	8.0%	0.7%	2.0%	
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%	

Values for 2012 and prior years are final. Values for 2013 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-October 2013

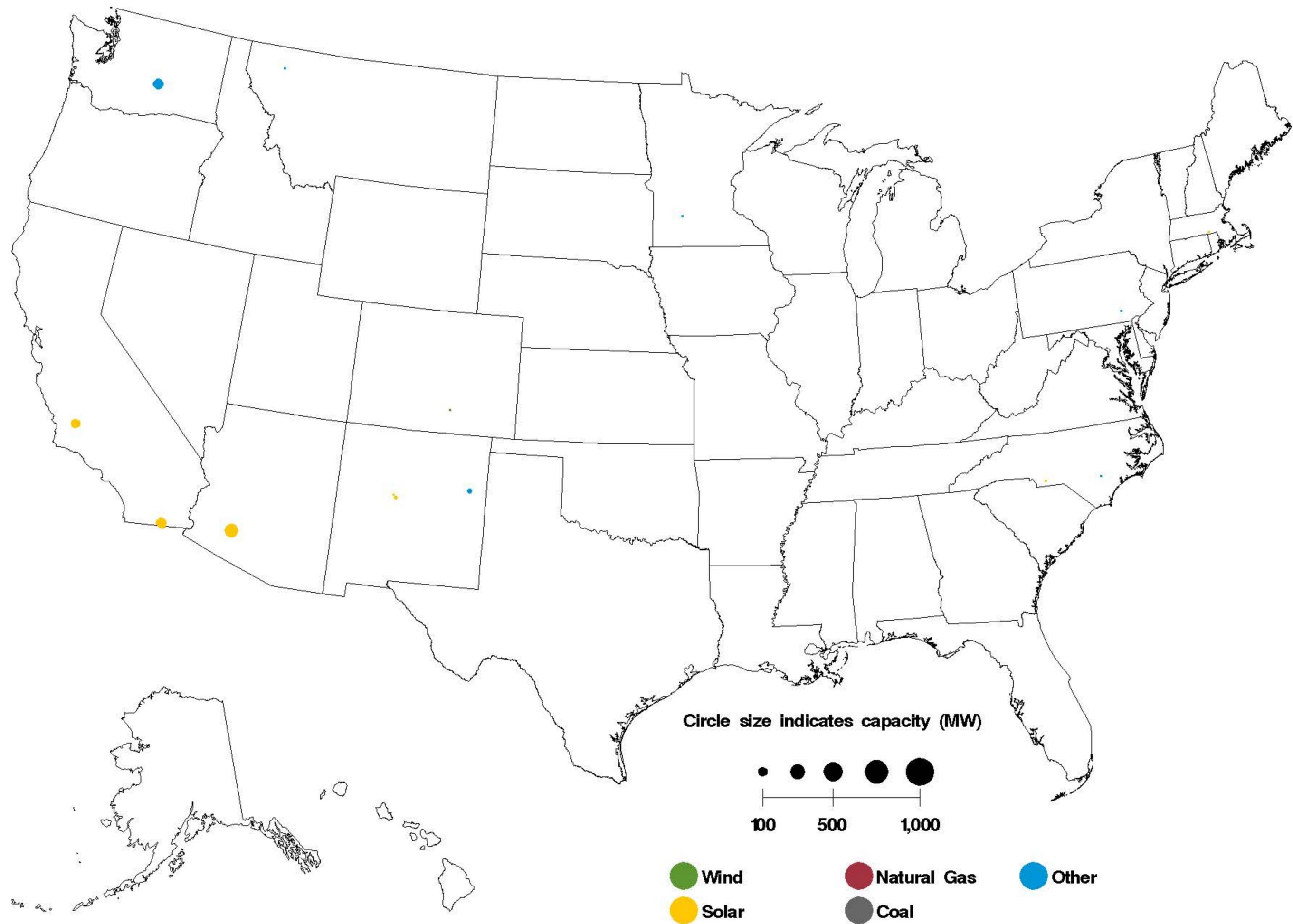
Period	Nuclear	Conventional Hydropower	Wind	Solar Photovoltaic	Solar Thermal	Landfill Gas and Municipal Solid Waste	Other Biomass Including Wood	Geothermal
Annual Factors								
2008	91.1%	37.2%	31.7%	22.5%	19.5%	69.9%	66.5%	74.7%
2009	90.3%	39.6%	28.1%	20.6%	23.6%	70.2%	62.1%	73.3%
2010	91.1%	37.6%	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%
2011								
January	96.6%	43.2%	28.7%	11.4%	2.0%	63.3%	61.4%	74.4%
February	95.3%	45.1%	38.0%	16.8%	17.4%	65.6%	60.9%	74.4%
March	87.2%	52.7%	34.3%	20.4%	16.7%	68.0%	54.1%	73.8%
April	74.9%	54.6%	41.1%	24.7%	25.0%	68.8%	44.8%	70.6%
May	75.7%	55.2%	37.5%	26.5%	27.8%	68.6%	46.0%	72.7%
June	89.5%	56.4%	35.7%	27.7%	42.5%	74.1%	57.9%	69.2%
July	96.0%	53.2%	23.4%	23.3%	37.0%	73.0%	63.6%	70.1%
August	94.6%	43.6%	23.2%	23.8%	39.2%	71.3%	63.5%	70.4%
Sept	91.6%	37.5%	21.9%	21.3%	32.9%	69.7%	57.5%	69.8%
October	84.0%	33.5%	32.5%	18.4%	23.5%	69.2%	51.9%	70.6%
November	88.4%	36.1%	39.1%	12.7%	13.9%	73.7%	53.2%	72.4%
December	95.2%	40.1%	31.1%	11.0%	8.9%	73.8%	60.3%	73.0%
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%

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

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

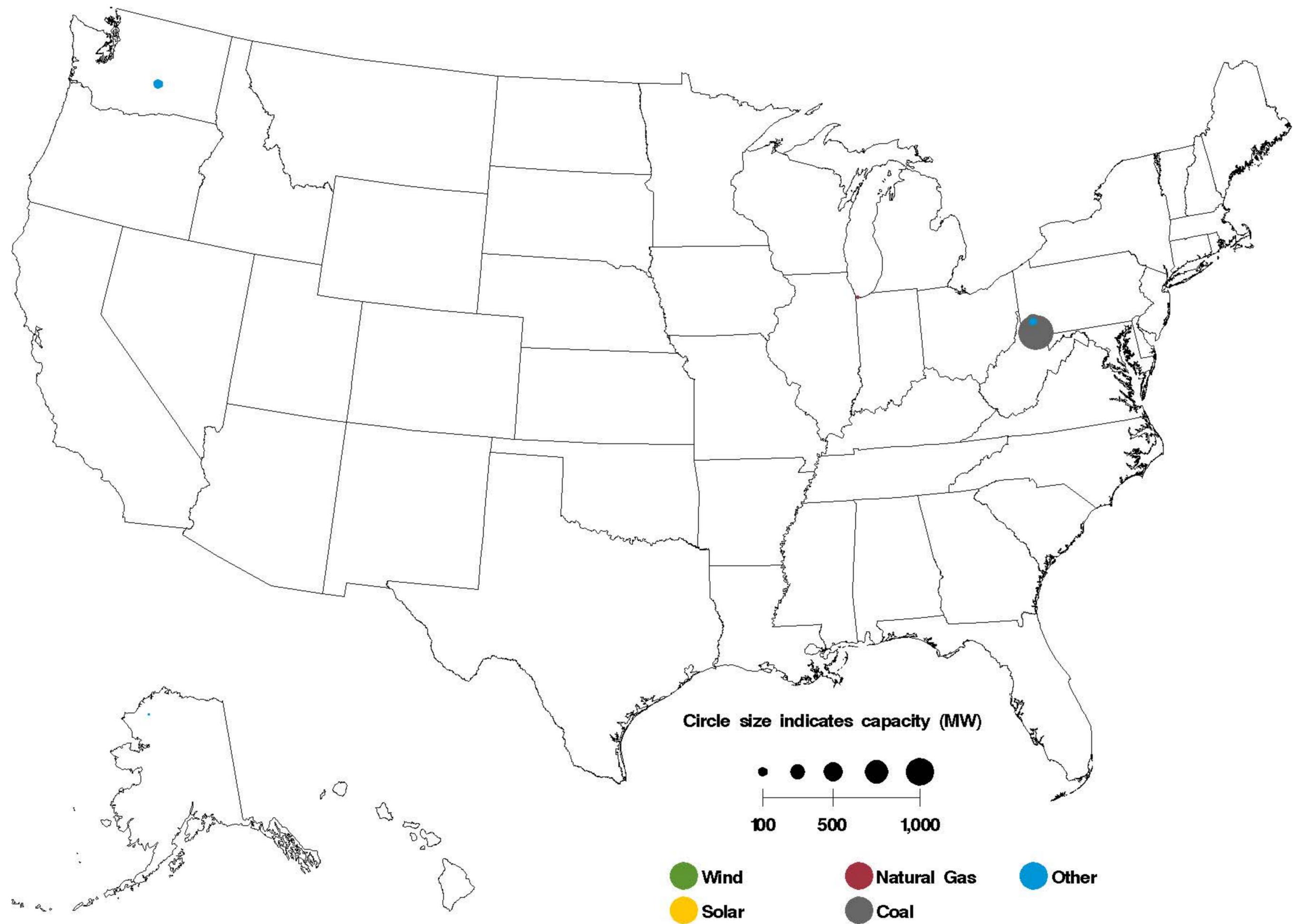
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.A. Utility Scale Generating Units Added in October 2013



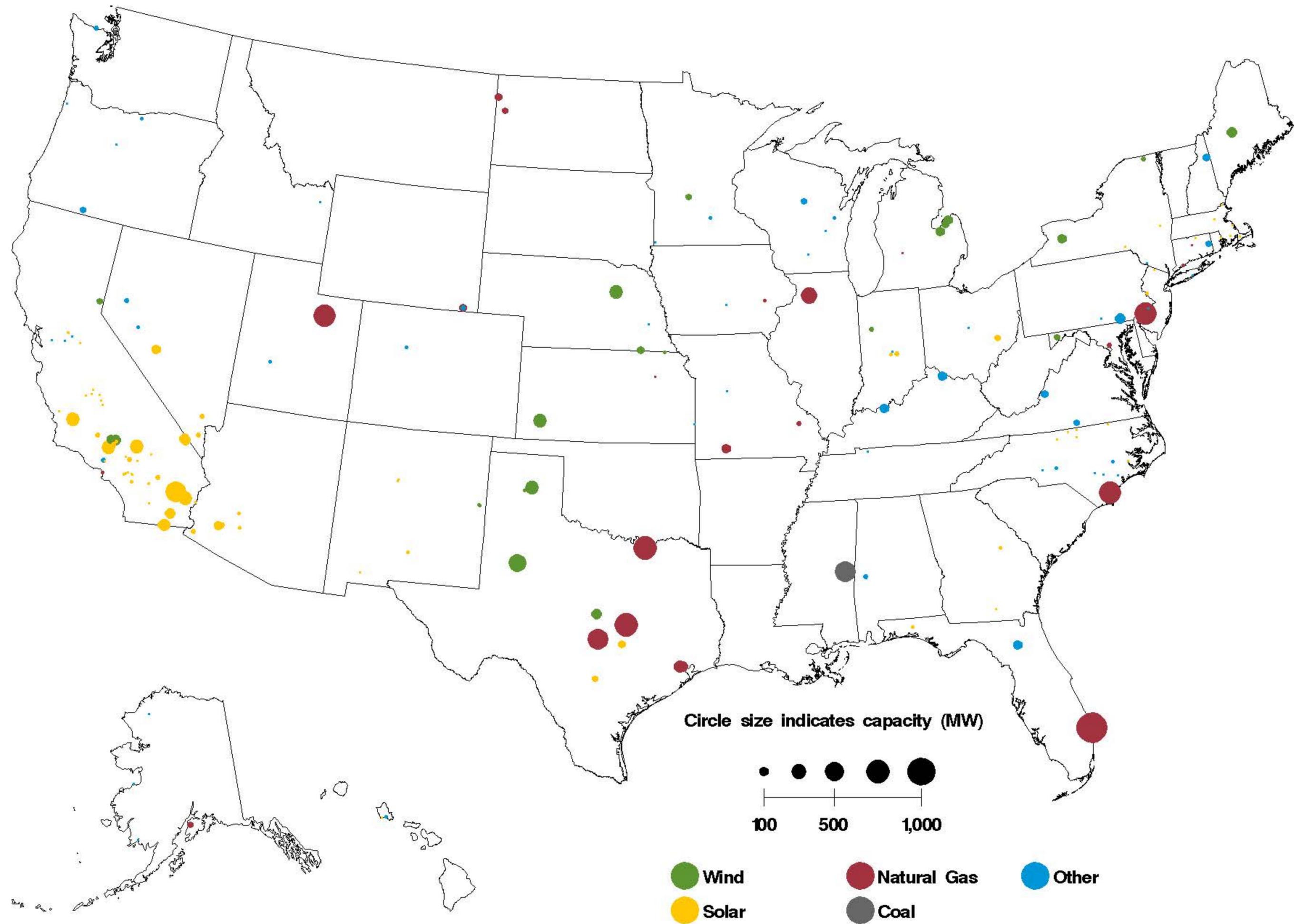
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility Scale Generating Units Retired in October 2013



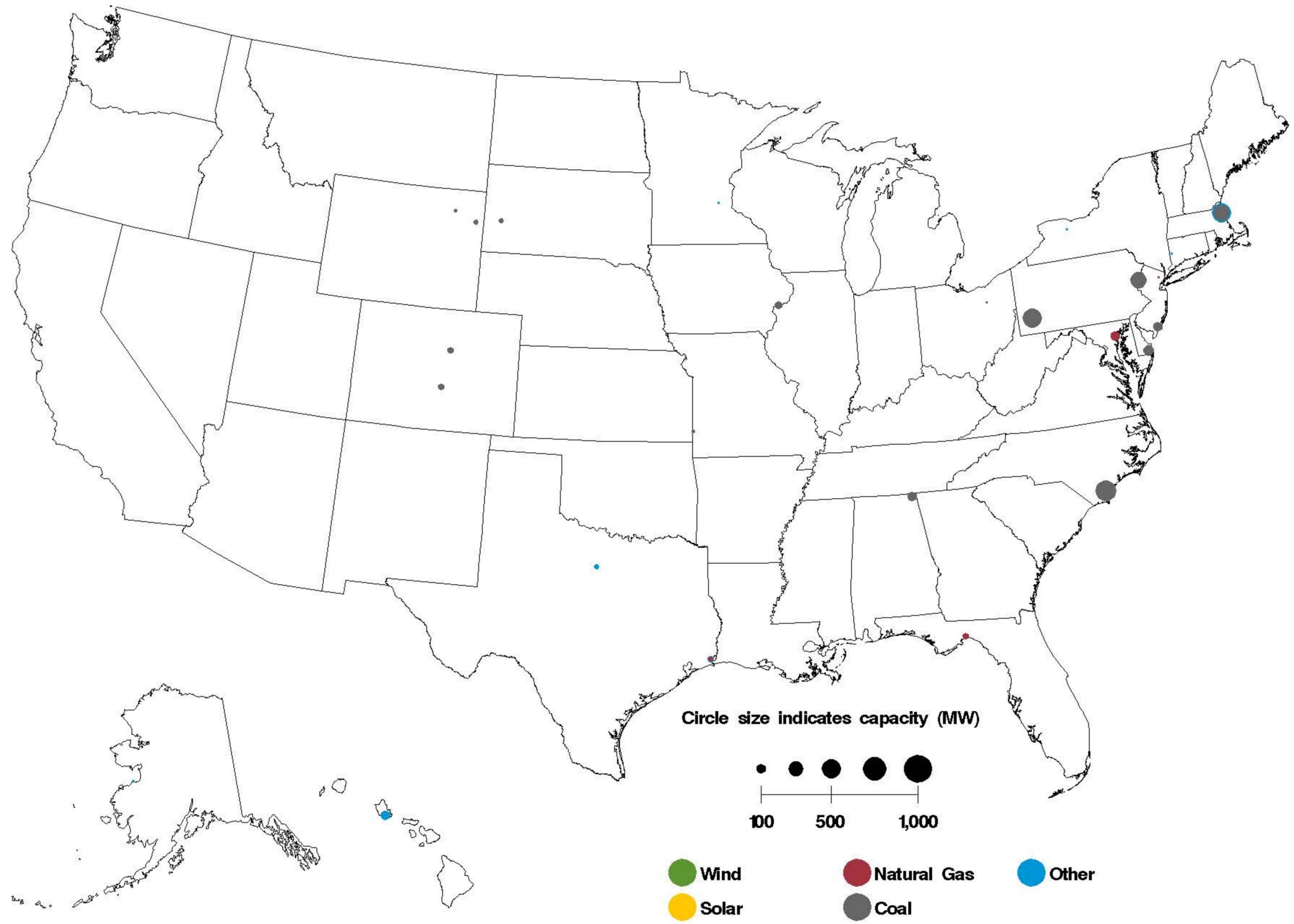
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility Scale Generating Units Planned to Come Online from November 2013 to October 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.D. Utility Scale Generating Units Planned to Retire from November 2013 to October 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.'

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

Total (All Sectors) by Census Division and State, October 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	139	19	0	1	0	0	9
Connecticut	0	66	0	1	0	0	49
Maine	0	23	0	3	0	0	12
Massachusetts	165	29	0	1	0	0	29
New Hampshire	0	140	0	1	0	0	20
Rhode Island	0	28	0	1	0	0	415
Vermont	0	335	0	0	0	0	27
Middle Atlantic	2	11	78	1	17	0	2
New Jersey	0	37	168	2	85	0	296
New York	5	14	0	2	0	0	2
Pennsylvania	2	17	88	1	10	0	14
East North Central	0	2	8	1	12	0	15
Illinois	0	3	0	5	62	0	67
Indiana	0	5	0	2	12	0	13
Michigan	2	5	26	5	0	0	34
Ohio	1	3	5	1	36	0	18
Wisconsin	1	21	0	6	0	0	30
West North Central	1	4	0	8	174	0	6
Iowa	3	6	0	58	0	0	47
Kansas	0	4	0	24	0	0	248
Minnesota	3	9	0	9	0	0	56
Missouri	1	14	0	7	0	0	15
Nebraska	2	9	0	66	0	0	34
North Dakota	3	18	0	185	174	0	0
South Dakota	10	20	0	56	0	0	1
South Atlantic	0	4	0	0	0	0	5
Delaware	2	49	0	0	0	0	0
District of Columbia	0	0	0	106	0	0	0
Florida	0	11	0	1	0	0	69
Georgia	0	18	0	1	0	0	9
Maryland	0	20	0	5	0	0	3
North Carolina	1	5	0	1	0	0	7
South Carolina	0	19	0	3	0	0	17
Virginia	1	6	0	1	0	0	29
West Virginia	0	0	0	34	0	0	16
East South Central	1	7	0	1	16	0	3
Alabama	0	21	0	2	17	0	5
Kentucky	1	7	0	11	0	0	7
Mississippi	0	8	0	1	0	0	0
Tennessee	0	6	0	2	0	0	5
West South Central	0	2	5	1	3	0	10
Arkansas	0	0	0	2	0	0	11
Louisiana	0	0	5	1	3	0	0
Oklahoma	1	4	0	1	0	0	20
Texas	0	5	16	1	4	0	39
Mountain	1	3	0	1	12	0	4
Arizona	0	1	0	0	0	0	2
Colorado	1	33	0	2	0	0	34
Idaho	56	399	0	6	0	0	9
Montana	8	12	0	124	0	0	6
Nevada	0	0	0	1	0	0	3
New Mexico	0	1	0	5	0	0	76
Utah	2	14	0	5	272	0	42
Wyoming	2	12	0	39	12	0	25
Pacific Contiguous	1	54	131	1	6	0	1
California	19	61	131	1	7	0	5
Oregon	0	0	0	1	0	0	2
Washington	0	58	0	3	0	0	1
Pacific Noncontiguous	4	1	0	15	74	0	14
Alaska	12	2	0	15	685	0	14
Hawaii	4	2	0	0	71	0	120
U.S. Total	0	2	4	0	5	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, October 2013 (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	31	3	0	5	1
Connecticut	0	0	0	0	8	0	8	1
Maine	0	0	0	0	2	0	14	3
Massachusetts	0	0	0	33	5	0	7	2
New Hampshire	0	0	0	0	10	0	47	1
Rhode Island	0	0	0	190	34	0	0	1
Vermont	0	0	0	87	9	0	0	4
Middle Atlantic	0	0	0	13	2	0	4	1
New Jersey	0	0	0	14	7	0	8	1
New York	0	0	0	0	2	0	6	1
Pennsylvania	0	0	0	33	3	0	6	1
East North Central	0	0	0	29	1	0	6	0
Illinois	0	0	0	45	1	0	19	0
Indiana	0	0	0	129	2	0	2	0
Michigan	0	0	0	0	4	0	13	1
Ohio	0	0	0	40	5	0	0	0
Wisconsin	0	0	0	0	4	0	31	1
West North Central	0	0	0	201	0	0	12	1
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	201	2	0	12	2
Missouri	0	0	0	0	2	0	0	1
Nebraska	0	0	0	0	2	0	0	2
North Dakota	0	0	0	0	1	0	52	3
South Dakota	0	0	0	0	0	0	0	4
South Atlantic	0	0	0	11	2	0	3	0
Delaware	0	0	0	44	31	0	0	1
District of Columbia	0	0	0	0	0	0	0	106
Florida	0	0	0	12	4	0	4	0
Georgia	0	0	0	146	4	0	3	0
Maryland	0	0	0	32	5	0	1	0
North Carolina	0	0	0	18	5	0	24	1
South Carolina	0	0	0	0	2	0	0	1
Virginia	0	0	0	0	3	0	6	0
West Virginia	0	0	0	0	2	0	0	0
East South Central	0	0	0	64	4	0	29	0
Alabama	0	0	0	0	6	0	0	1
Kentucky	0	0	0	0	14	0	0	1
Mississippi	0	0	0	0	5	0	145	1
Tennessee	0	0	0	64	10	0	0	1
West South Central	0	0	0	23	0	0	9	0
Arkansas	0	0	0	0	4	0	0	0
Louisiana	0	0	0	0	6	0	6	1
Oklahoma	0	0	0	0	1	0	60	1
Texas	0	0	0	23	0	0	16	0
Mountain	0	3	0	3	1	0	4	1
Arizona	0	0	0	3	3	0	0	0
Colorado	0	0	0	17	1	0	45	1
Idaho	0	17	0	0	5	0	0	5
Montana	0	0	0	0	4	0	0	5
Nevada	0	4	0	6	3	0	78	1
New Mexico	0	0	0	15	3	0	0	1
Utah	0	4	0	230	4	0	3	2
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	0	1	0	4	1	0	9	1
California	0	1	0	3	1	0	9	1
Oregon	0	0	0	76	2	0	58	1
Washington	0	0	0	0	2	0	23	1
Pacific Noncontiguous	0	0	0	69	7	0	0	3
Alaska	0	0	0	0	50	0	0	8
Hawaii	0	0	0	69	6	0	0	2
U.S. Total	0	1	0	3	0	0	2	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 October 2013**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	2	7	0	0	0	0	3
Connecticut	0	6	0	1	0	0	17
Maine	0	3	0	2	0	0	4
Massachusetts	3	20	0	1	0	0	9
New Hampshire	0	14	0	1	0	0	6
Rhode Island	0	22	0	0	0	0	149
Vermont	0	72	0	0	0	0	9
Middle Atlantic	0	4	28	0	4	0	1
New Jersey	0	5	58	1	17	0	75
New York	1	5	0	1	0	0	1
Pennsylvania	0	8	31	0	3	0	4
East North Central	0	1	2	0	3	0	5
Illinois	0	2	0	1	12	0	23
Indiana	0	4	0	1	3	0	8
Michigan	0	2	22	1	0	0	11
Ohio	0	2	2	0	8	0	9
Wisconsin	0	6	0	1	0	0	10
West North Central	0	3	0	2	34	0	2
Iowa	1	6	0	7	0	0	15
Kansas	0	5	0	6	0	0	87
Minnesota	1	9	0	2	0	0	18
Missouri	0	6	0	2	0	0	3
Nebraska	1	3	0	10	0	0	11
North Dakota	1	5	0	67	34	0	0
South Dakota	2	10	0	14	0	0	0
South Atlantic	0	2	0	0	0	0	2
Delaware	1	6	0	1	0	0	0
District of Columbia	0	0	0	45	0	0	0
Florida	0	4	0	0	0	0	25
Georgia	0	5	0	0	0	0	4
Maryland	0	10	0	3	0	0	2
North Carolina	0	3	0	0	0	0	2
South Carolina	0	14	0	1	0	0	5
Virginia	1	2	0	0	0	0	7
West Virginia	0	0	0	4	0	0	5
East South Central	0	3	0	0	5	0	1
Alabama	0	9	0	1	5	0	1
Kentucky	0	5	0	4	0	0	2
Mississippi	0	9	0	0	0	0	0
Tennessee	0	2	0	1	0	0	2
West South Central	0	2	2	0	1	0	3
Arkansas	0	0	0	0	0	0	4
Louisiana	0	0	2	0	1	0	0
Oklahoma	0	6	0	0	0	0	4
Texas	0	4	3	0	1	0	11
Mountain	0	2	0	0	3	0	1
Arizona	0	1	0	0	0	0	1
Colorado	0	23	0	1	0	0	8
Idaho	17	360	0	2	0	0	3
Montana	2	5	0	27	0	0	2
Nevada	0	0	0	0	0	0	1
New Mexico	0	3	0	1	0	0	26
Utah	1	5	0	2	93	0	14
Wyoming	1	4	0	10	3	0	4
Pacific Contiguous	0	86	42	0	2	0	0
California	4	105	42	0	2	0	2
Oregon	0	0	0	0	0	0	1
Washington	0	27	0	1	0	0	0
Pacific Noncontiguous	1	3	0	3	23	0	7
Alaska	4	1	0	3	147	0	7
Hawaii	1	3	0	0	23	0	36
U.S. Total	0	2	1	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.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Total (All Sectors) by Census Division and State, Year-to-Date through October 2013 (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	16	1	0	1	0
Connecticut	0	0	0	0	2	0	2	0
Maine	0	0	0	0	1	0	5	1
Massachusetts	0	0	0	17	2	0	2	1
New Hampshire	0	0	0	0	3	0	11	1
Rhode Island	0	0	0	108	9	0	0	0
Vermont	0	0	0	43	3	0	0	2
Middle Atlantic	0	0	0	7	1	0	1	0
New Jersey	0	0	0	8	3	0	2	0
New York	0	0	0	0	1	0	2	0
Pennsylvania	0	0	0	19	1	0	2	0
East North Central	0	0	0	16	0	0	2	0
Illinois	0	0	0	22	0	0	8	0
Indiana	0	0	0	75	1	0	1	0
Michigan	0	0	0	0	1	0	4	0
Ohio	0	0	0	22	2	0	0	0
Wisconsin	0	0	0	0	1	0	11	0
West North Central	0	0	0	94	0	0	3	0
Iowa	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	94	1	0	4	1
Missouri	0	0	0	0	1	0	0	0
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	0	0	12	1
South Dakota	0	0	0	0	0	0	0	1
South Atlantic	0	0	0	6	1	0	1	0
Delaware	0	0	0	23	13	0	0	0
District of Columbia	0	0	0	0	0	0	0	45
Florida	0	0	0	6	1	0	1	0
Georgia	0	0	0	68	1	0	1	0
Maryland	0	0	0	20	2	0	0	0
North Carolina	0	0	0	10	2	0	10	0
South Carolina	0	0	0	0	1	0	0	0
Virginia	0	0	0	0	1	0	2	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	0	0	0	31	1	0	6	0
Alabama	0	0	0	0	2	0	0	0
Kentucky	0	0	0	0	4	0	0	0
Mississippi	0	0	0	0	1	0	57	0
Tennessee	0	0	0	31	3	0	0	0
West South Central	0	0	0	11	0	0	4	0
Arkansas	0	0	0	0	1	0	0	0
Louisiana	0	0	0	0	2	0	3	0
Oklahoma	0	0	0	0	0	0	26	0
Texas	0	0	0	11	0	0	7	0
Mountain	0	1	0	2	0	0	2	0
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	11	0	0	16	0
Idaho	0	8	0	0	2	0	0	2
Montana	0	0	0	0	1	0	0	1
Nevada	0	1	0	3	1	0	23	0
New Mexico	0	0	0	8	1	0	0	0
Utah	0	2	0	107	2	0	2	1
Wyoming	0	0	0	0	0	0	0	1
Pacific Contiguous	0	1	0	2	0	0	3	0
California	0	1	0	2	0	0	3	0
Oregon	0	0	0	38	0	0	13	1
Washington	0	0	0	0	0	0	6	0
Pacific Noncontiguous	0	0	0	33	2	0	0	2
Alaska	0	0	0	0	13	0	0	2
Hawaii	0	0	0	33	2	0	0	2
U.S. Total	0	1	0	2	0	0	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.

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

Electric Utilities by Census Division and State, October 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	12	0	0	0	0	27
Connecticut	0	22	0	0	0	0	167
Maine	0	121	0	0	0	0	0
Massachusetts	0	8	0	0	0	0	55
New Hampshire	0	58	0	0	0	0	31
Rhode Island	0	14	0	0	0	0	0
Vermont	0	318	0	0	0	0	46
Middle Atlantic	0	14	0	6	0	0	1
New Jersey	0	366	0	387	0	0	0
New York	0	13	0	6	0	0	1
Pennsylvania	0	110	0	0	0	0	12
East North Central	0	2	0	3	0	0	15
Illinois	0	9	0	0	0	0	124
Indiana	0	4	0	1	0	0	13
Michigan	2	5	0	25	0	0	36
Ohio	1	3	0	0	0	0	18
Wisconsin	1	15	0	14	0	0	32
West North Central	1	3	0	9	0	0	5
Iowa	3	6	0	59	0	0	47
Kansas	0	4	0	26	0	0	0
Minnesota	3	6	0	12	0	0	83
Missouri	1	14	0	8	0	0	15
Nebraska	2	9	0	67	0	0	34
North Dakota	3	13	0	4,782	0	0	0
South Dakota	10	21	0	56	0	0	1
South Atlantic	0	3	0	0	0	0	6
Delaware	0	636	0	0	0	0	0
Florida	0	9	0	0	0	0	69
Georgia	0	13	0	0	0	0	9
Maryland	0	26	0	0	0	0	0
North Carolina	0	1	0	1	0	0	7
South Carolina	0	26	0	2	0	0	17
Virginia	0	5	0	0	0	0	30
West Virginia	0	0	0	0	0	0	40
East South Central	1	3	0	2	0	0	3
Alabama	0	0	0	6	0	0	5
Kentucky	1	7	0	0	0	0	6
Mississippi	0	10	0	0	0	0	0
Tennessee	0	0	0	0	0	0	5
West South Central	0	1	0	1	0	0	11
Arkansas	0	0	0	9	0	0	11
Louisiana	0	1	0	1	0	0	0
Oklahoma	0	3	0	1	0	0	20
Texas	0	0	0	2	0	0	40
Mountain	1	2	0	2	0	0	4
Arizona	0	1	0	1	0	0	2
Colorado	1	36	0	3	0	0	35
Idaho	0	399	0	43	0	0	9
Montana	135	6,042	0	128	0	0	7
Nevada	0	1	0	0	0	0	1
New Mexico	0	1	0	7	0	0	76
Utah	2	11	0	2	0	0	42
Wyoming	2	6	0	330	0	0	24
Pacific Contiguous	0	10	0	2	0	0	1
California	0	1	0	2	0	0	4
Oregon	0	0	0	1	0	0	2
Washington	0	514	0	3	0	0	1
Pacific Noncontiguous	0	1	0	16	0	0	14
Alaska	0	2	0	16	0	0	14
Hawaii	0	1	0	0	0	0	245
U.S. Total	0	1	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, October 2013 (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	79	3	0	0	12
Connecticut	0	0	0	0	0	0	0	107
Maine	0	0	0	0	0	0	0	121
Massachusetts	0	0	0	79	45	0	0	40
New Hampshire	0	0	0	0	0	0	0	12
Rhode Island	0	0	0	0	0	0	0	14
Vermont	0	0	0	0	0	0	0	18
Middle Atlantic	0	0	0	38	38	0	0	2
New Jersey	0	0	0	38	38	0	0	8
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	12
East North Central	0	0	0	97	3	0	0	0
Illinois	0	0	0	0	108	0	0	1
Indiana	0	0	0	0	21	0	0	0
Michigan	0	0	0	0	4	0	0	1
Ohio	0	0	0	97	60	0	0	1
Wisconsin	0	0	0	0	1	0	0	1
West North Central	0	0	0	0	1	0	10	1
Iowa	0	0	0	0	1	0	0	3
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	3	0	0	2
Missouri	0	0	0	0	52	0	0	1
Nebraska	0	0	0	0	11	0	0	2
North Dakota	0	0	0	0	2	0	52	3
South Dakota	0	0	0	0	1	0	0	5
South Atlantic	0	0	0	10	2	0	0	0
Delaware	0	0	0	131	131	0	0	129
Florida	0	0	0	0	6	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	112	112	0	0	71
North Carolina	0	0	0	100	100	0	0	0
South Carolina	0	0	0	0	10	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	36	0	0	0
Alabama	0	0	0	0	413	0	0	1
Kentucky	0	0	0	0	36	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	1
Louisiana	0	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	0	0	0	1
Mountain	0	0	0	19	2	0	78	1
Arizona	0	0	0	23	21	0	0	0
Colorado	0	0	0	0	17	0	0	1
Idaho	0	0	0	0	0	0	0	9
Montana	0	0	0	0	0	0	0	14
Nevada	0	0	0	0	0	0	78	0
New Mexico	0	0	0	37	37	0	0	1
Utah	0	0	0	0	0	0	0	2
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	0	0	0	17	2	0	0	1
California	0	0	0	17	4	0	0	1
Oregon	0	0	0	136	4	0	0	2
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	0	0	0	0	40	0	0	4
Alaska	0	0	0	0	63	0	0	9
Hawaii	0	0	0	0	0	0	0	1
U.S. Total	0	0	0	10	1	0	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.

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 October 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	2	0	3	0	0	9
Connecticut	0	21	0	0	0	0	60
Maine	0	110	0	0	0	0	0
Massachusetts	0	1	0	3	0	0	20
New Hampshire	0	1	0	0	0	0	7
Rhode Island	0	13	0	0	0	0	0
Vermont	0	47	0	0	0	0	16
Middle Atlantic	118	2	0	2	0	0	0
New Jersey	0	54	0	109	0	0	0
New York	118	2	0	2	0	0	0
Pennsylvania	0	99	0	466	0	0	3
East North Central	0	1	0	1	0	0	6
Illinois	0	7	0	6	0	0	45
Indiana	0	3	0	1	0	0	8
Michigan	0	2	0	4	0	0	12
Ohio	0	2	0	1	0	0	9
Wisconsin	0	5	0	2	0	0	11
West North Central	0	3	0	2	0	0	2
Iowa	1	6	0	7	0	0	15
Kansas	0	5	0	6	0	0	0
Minnesota	1	6	0	2	0	0	26
Missouri	0	6	0	3	0	0	3
Nebraska	1	3	0	10	0	0	11
North Dakota	1	4	0	604	0	0	0
South Dakota	2	10	0	14	0	0	0
South Atlantic	0	2	0	0	0	0	2
Delaware	0	94	0	247	0	0	0
Florida	0	4	0	0	0	0	25
Georgia	0	5	0	0	0	0	4
Maryland	0	20	0	0	0	0	0
North Carolina	0	2	0	0	0	0	2
South Carolina	0	15	0	0	0	0	5
Virginia	0	2	0	0	0	0	7
West Virginia	0	0	0	0	0	0	15
East South Central	0	2	0	1	0	0	1
Alabama	0	0	0	2	0	0	1
Kentucky	0	5	0	2	0	0	2
Mississippi	0	12	0	0	0	0	0
Tennessee	0	0	0	0	0	0	2
West South Central	0	1	0	0	0	0	3
Arkansas	0	0	0	2	0	0	4
Louisiana	0	1	0	1	0	0	0
Oklahoma	0	5	0	0	0	0	4
Texas	0	0	0	1	0	0	11
Mountain	0	2	0	0	0	0	1
Arizona	0	1	0	0	0	0	1
Colorado	0	25	0	1	0	0	7
Idaho	0	360	0	3	0	0	3
Montana	36	1,452	0	28	0	0	2
Nevada	0	1	0	0	0	0	0
New Mexico	0	2	0	2	0	0	26
Utah	1	4	0	1	0	0	14
Wyoming	1	2	0	77	0	0	4
Pacific Contiguous	0	15	0	1	0	0	0
California	0	1	0	1	0	0	2
Oregon	0	0	0	0	0	0	1
Washington	0	224	0	1	0	0	0
Pacific Noncontiguous	0	0	0	3	0	0	7
Alaska	0	1	0	3	0	0	7
Hawaii	0	0	0	0	0	0	76
U.S. Total	0	0	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.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Electric Utilities by Census Division and State, Year-to-Date through October 2013 (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	47	1	0	0	3
Connecticut	0	0	0	0	0	0	0	44
Maine	0	0	0	0	0	0	0	110
Massachusetts	0	0	0	47	16	0	0	9
New Hampshire	0	0	0	0	0	0	0	1
Rhode Island	0	0	0	0	0	0	0	13
Vermont	0	0	0	0	0	0	0	8
Middle Atlantic	0	0	0	23	23	0	0	1
New Jersey	0	0	0	23	23	0	0	5
New York	0	0	0	0	0	0	0	1
Pennsylvania	0	0	0	0	0	0	0	3
East North Central	0	0	0	47	1	0	0	0
Illinois	0	0	0	0	33	0	0	0
Indiana	0	0	0	0	5	0	0	0
Michigan	0	0	0	0	1	0	0	0
Ohio	0	0	0	47	24	0	0	0
Wisconsin	0	0	0	0	0	0	0	0
West North Central	0	0	0	0	0	0	3	0
Iowa	0	0	0	0	0	0	0	1
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	0	1	0	0	1
Missouri	0	0	0	0	14	0	0	0
Nebraska	0	0	0	0	4	0	0	1
North Dakota	0	0	0	0	1	0	12	1
South Dakota	0	0	0	0	0	0	0	1
South Atlantic	0	0	0	4	1	0	0	0
Delaware	0	0	0	73	73	0	0	152
Florida	0	0	0	0	2	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	52	52	0	0	33
North Carolina	0	0	0	65	64	0	0	0
South Carolina	0	0	0	0	2	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	9	0	0	0
Alabama	0	0	0	0	65	0	0	0
Kentucky	0	0	0	0	9	0	0	0
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0
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	1	0	0	0
Mountain	0	0	0	10	1	0	23	0
Arizona	0	0	0	12	11	0	0	0
Colorado	0	0	0	0	8	0	0	0
Idaho	0	0	0	0	0	0	0	2
Montana	0	0	0	0	0	0	0	3
Nevada	0	0	0	0	0	0	23	0
New Mexico	0	0	0	22	22	0	0	0
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	0	0	0	1
Pacific Contiguous	0	0	0	9	1	0	0	0
California	0	0	0	9	2	0	0	1
Oregon	0	0	0	64	1	0	0	1
Washington	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	0	0	12	0	0	1
Alaska	0	0	0	0	16	0	0	3
Hawaii	0	0	0	0	0	0	0	1
U.S. Total	0	0	0	5	0	0	2	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, October 2013**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	167	30	0	1	0	0	10
Connecticut	0	89	0	1	0	0	51
Maine	0	8	0	0	0	0	13
Massachusetts	187	47	0	1	0	0	34
New Hampshire	0	4,670	0	0	0	0	24
Rhode Island	0	0	0	0	0	0	415
Vermont	0	0	0	0	0	0	33
Middle Atlantic	2	11	0	1	0	0	12
New Jersey	0	25	0	2	0	0	296
New York	6	13	0	2	0	0	14
Pennsylvania	2	17	0	1	0	0	20
East North Central	0	5	0	1	23	0	65
Illinois	0	0	0	4	0	0	69
Indiana	0	275,229	0	6	0	0	0
Michigan	91	0	0	4	0	0	121
Ohio	0	2	0	1	57	0	0
Wisconsin	0	459	0	0	0	0	147
West North Central	0	31	0	9	0	0	86
Iowa	0	41	0	4,434	0	0	527
Kansas	0	0	0	0	0	0	248
Minnesota	0	68	0	8	0	0	92
Missouri	0	0	0	121	0	0	0
South Dakota	0	67	0	0	0	0	0
South Atlantic	1	9	0	2	0	0	8
Delaware	2	35	0	0	0	0	0
Florida	0	393	0	7	0	0	0
Georgia	0	45	0	3	0	0	309
Maryland	0	11	0	4	0	0	3
North Carolina	25	178	0	0	0	0	217
South Carolina	0	0	0	14	0	0	117
Virginia	0	7	0	1	0	0	110
West Virginia	0	0	0	0	0	0	11
East South Central	0	16	0	0	0	0	306
Alabama	0	16	0	0	0	0	0
Kentucky	0	0	0	0	0	0	306
Mississippi	0	0	0	1	0	0	0
West South Central	0	0	0	1	0	0	16
Arkansas	0	0	0	0	0	0	127
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	5	0	0	0
Texas	0	0	0	1	0	0	146
Mountain	8	16	0	1	0	0	12
Arizona	0	0	0	0	0	0	0
Colorado	83	0	0	4	0	0	96
Idaho	0	0	0	4	0	0	50
Montana	7	12	0	455	0	0	11
Nevada	0	0	0	2	0	0	165
New Mexico	0	1,365	0	3	0	0	0
Utah	87	331	0	34	0	0	419
Wyoming	83	0	0	547	0	0	375
Pacific Contiguous	2	92	131	1	0	0	23
California	30	1,218	131	1	0	0	27
Oregon	0	0	0	1	0	0	56
Washington	0	11	0	0	0	0	64
Pacific Noncontiguous	4	6	0	0	0	0	0
Alaska	35	0	0	0	0	0	0
Hawaii	0	6	0	0	0	0	0
U.S. Total	1	5	8	0	4	0	6

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, October 2013 (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	33	4	0	5	1
Connecticut	0	0	0	0	8	0	8	1
Maine	0	0	0	0	2	0	14	5
Massachusetts	0	0	0	36	7	0	7	2
New Hampshire	0	0	0	0	13	0	47	1
Rhode Island	0	0	0	190	34	0	0	1
Vermont	0	0	0	87	26	0	0	4
Middle Atlantic	0	0	0	14	2	0	4	1
New Jersey	0	0	0	17	8	0	11	1
New York	0	0	0	0	2	0	6	1
Pennsylvania	0	0	0	36	3	0	6	1
East North Central	0	0	0	31	1	0	33	0
Illinois	0	0	0	45	1	0	0	0
Indiana	0	0	0	129	0	0	0	1
Michigan	0	0	0	0	5	0	33	2
Ohio	0	0	0	44	5	0	0	0
Wisconsin	0	0	0	0	9	0	0	1
West North Central	0	0	0	201	1	0	32	1
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	201	2	0	32	3
Missouri	0	0	0	0	2	0	0	4
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0
South Atlantic	0	0	0	15	3	0	5	1
Delaware	0	0	0	46	32	0	0	1
Florida	0	0	0	38	5	0	7	5
Georgia	0	0	0	262	14	0	0	2
Maryland	0	0	0	33	5	0	0	0
North Carolina	0	0	0	19	7	0	24	4
South Carolina	0	0	0	0	78	0	0	13
Virginia	0	0	0	0	10	0	0	2
West Virginia	0	0	0	0	2	0	0	0
East South Central	0	0	0	71	12	0	0	0
Alabama	0	0	0	0	7	0	0	0
Kentucky	0	0	0	0	0	0	0	105
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	71	30	0	0	30
West South Central	0	0	0	23	0	0	0	0
Arkansas	0	0	0	0	36	0	0	1
Louisiana	0	0	0	0	44	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	23	0	0	0	0
Mountain	0	4	0	3	1	0	3	2
Arizona	0	0	0	3	2	0	0	0
Colorado	0	0	0	18	1	0	104	2
Idaho	0	17	0	0	7	0	0	5
Montana	0	0	0	0	4	0	0	5
Nevada	0	4	0	5	3	0	0	2
New Mexico	0	0	0	16	2	0	0	2
Utah	0	19	0	230	6	0	149	26
Wyoming	0	0	0	0	2	0	0	20
Pacific Contiguous	0	1	0	3	1	0	17	1
California	0	1	0	3	1	0	15	1
Oregon	0	0	0	91	2	0	58	1
Washington	0	0	0	0	2	0	44	1
Pacific Noncontiguous	0	0	0	69	8	0	0	3
Alaska	0	0	0	0	86	0	0	33
Hawaii	0	0	0	69	7	0	0	3
U.S. Total	0	1	0	3	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.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Independent Power Producers by Census Division and State, Year-to-Date through October 2013**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	2	9	0	0	0	0	4
Connecticut	0	6	0	0	0	0	18
Maine	0	0	0	0	0	0	5
Massachusetts	3	34	0	1	0	0	10
New Hampshire	0	1,827	0	0	0	0	7
Rhode Island	0	0	0	0	0	0	149
Vermont	0	0	0	0	0	0	12
Middle Atlantic	0	3	0	0	0	0	4
New Jersey	0	3	0	1	0	0	75
New York	1	3	0	1	0	0	5
Pennsylvania	0	8	0	0	0	0	7
East North Central	0	3	0	0	6	0	21
Illinois	0	0	0	1	0	0	23
Indiana	0	107,327	0	2	0	0	0
Michigan	13	0	0	1	0	0	37
Ohio	0	1	0	0	13	0	0
Wisconsin	0	21	0	0	0	0	47
West North Central	0	25	0	1	0	0	28
Iowa	0	37	0	1,118	0	0	167
Kansas	0	0	0	0	0	0	87
Minnesota	0	39	0	2	0	0	30
Missouri	0	0	0	2	0	0	0
South Dakota	0	61	0	0	0	0	0
South Atlantic	0	4	0	0	0	0	3
Delaware	1	4	0	1	0	0	0
Florida	0	61	0	2	0	0	0
Georgia	0	299	0	1	0	0	108
Maryland	0	6	0	2	0	0	2
North Carolina	6	33	0	0	0	0	58
South Carolina	0	0	0	3	0	0	42
Virginia	12	4	0	0	0	0	40
West Virginia	0	0	0	0	0	0	4
East South Central	0	36	0	0	0	0	111
Alabama	0	36	0	0	0	0	0
Kentucky	0	0	0	0	0	0	111
Mississippi	0	0	0	0	0	0	0
West South Central	0	0	0	0	0	0	3
Arkansas	0	0	0	0	0	0	46
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	0	0	0	0	0	53
Mountain	2	7	0	0	0	0	4
Arizona	0	0	0	0	0	0	0
Colorado	22	0	0	1	0	0	32
Idaho	0	0	0	2	0	0	11
Montana	2	5	0	103	0	0	4
Nevada	0	0	0	1	0	0	52
New Mexico	0	338	0	1	0	0	0
Utah	28	113	0	13	0	0	137
Wyoming	22	0	0	125	0	0	123
Pacific Contiguous	1	16	42	0	0	0	8
California	5	48	42	0	0	0	9
Oregon	0	0	0	0	0	0	19
Washington	0	5	0	0	0	0	20
Pacific Noncontiguous	1	13	0	0	0	0	0
Alaska	11	0	0	0	0	0	0
Hawaii	0	13	0	0	0	0	0
U.S. Total	0	6	2	0	1	0	2

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 October 2013 (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	17	1	0	1	0
Connecticut	0	0	0	0	2	0	2	0
Maine	0	0	0	0	0	0	3	2
Massachusetts	0	0	0	19	2	0	2	1
New Hampshire	0	0	0	0	4	0	11	1
Rhode Island	0	0	0	108	9	0	0	0
Vermont	0	0	0	43	9	0	0	2
Middle Atlantic	0	0	0	8	1	0	1	0
New Jersey	0	0	0	9	3	0	3	0
New York	0	0	0	0	1	0	2	0
Pennsylvania	0	0	0	21	1	0	2	0
East North Central	0	0	0	17	0	0	6	0
Illinois	0	0	0	22	0	0	0	0
Indiana	0	0	0	75	0	0	0	0
Michigan	0	0	0	0	2	0	6	1
Ohio	0	0	0	26	2	0	0	0
Wisconsin	0	0	0	0	3	0	0	0
West North Central	0	0	0	94	0	0	7	0
Iowa	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	94	1	0	7	1
Missouri	0	0	0	0	0	0	0	1
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0
South Atlantic	0	0	0	8	1	0	1	0
Delaware	0	0	0	24	13	0	0	0
Florida	0	0	0	21	1	0	1	1
Georgia	0	0	0	122	5	0	0	1
Maryland	0	0	0	22	2	0	0	0
North Carolina	0	0	0	10	3	0	10	1
South Carolina	0	0	0	0	20	0	0	4
Virginia	0	0	0	0	3	0	0	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	0	0	0	33	4	0	0	0
Alabama	0	0	0	0	1	0	0	0
Kentucky	0	0	0	0	0	0	0	4
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	33	12	0	0	12
West South Central	0	0	0	11	0	0	0	0
Arkansas	0	0	0	0	13	0	0	0
Louisiana	0	0	0	0	11	0	0	0
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	11	0	0	0	0
Mountain	0	1	0	2	0	0	1	1
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	11	0	0	24	1
Idaho	0	8	0	0	2	0	0	2
Montana	0	0	0	0	1	0	0	1
Nevada	0	1	0	3	1	0	0	1
New Mexico	0	0	0	9	1	0	0	1
Utah	0	9	0	107	2	0	58	8
Wyoming	0	0	0	0	1	0	0	6
Pacific Contiguous	0	1	0	2	0	0	4	0
California	0	1	0	2	0	0	4	0
Oregon	0	0	0	47	0	0	13	0
Washington	0	0	0	0	0	0	10	0
Pacific Noncontiguous	0	0	0	33	3	0	0	5
Alaska	0	0	0	0	22	0	0	10
Hawaii	0	0	0	33	3	0	0	5
U.S. Total	0	1	0	2	0	0	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.

**Table A.4.A. Relative Standard Error for Net Generation by Fuel Type:
Commercial Sector by Census Division and State, October 2013**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	56	0	24	0	0	369
Connecticut	0	2,630	0	43	0	0	0
Maine	0	409	0	163	0	0	0
Massachusetts	0	57	0	21	0	0	369
New Hampshire	0	168	0	202	0	0	0
Rhode Island	0	259	0	135	0	0	0
Vermont	0	628	0	0	0	0	0
Middle Atlantic	148	161	0	21	0	0	430
New Jersey	0	122	0	61	0	0	0
New York	0	188	0	19	0	0	430
Pennsylvania	148	78	0	84	0	0	0
East North Central	26	177	0	17	0	0	322
Illinois	43	161	0	16	0	0	589
Indiana	29	1,097	0	118	0	0	0
Michigan	0	17	0	26	0	0	0
Ohio	325	99	0	51	0	0	0
Wisconsin	222	1,989	0	215	0	0	339
West North Central	26	137	0	40	0	0	0
Iowa	39	119	0	401	0	0	0
Minnesota	0	169	0	89	0	0	0
Missouri	0	185	0	0	0	0	0
Nebraska	0	0	0	1,443	0	0	0
North Dakota	0	216	0	0	0	0	0
South Dakota	0	315	0	0	0	0	0
South Atlantic	80	121	0	48	0	0	328
District of Columbia	0	0	0	106	0	0	0
Florida	0	0	0	136	0	0	0
Georgia	0	42	0	0	0	0	0
Maryland	129	144	0	61	0	0	0
North Carolina	0	117	0	0	0	0	343
South Carolina	0	165	0	70	0	0	0
Virginia	467	31	0	0	0	0	0
East South Central	112	157	0	70	0	0	0
Mississippi	0	0	0	286	0	0	0
Tennessee	112	157	0	67	0	0	0
West South Central	0	459	0	30	0	0	0
Arkansas	0	0	0	1,642	0	0	0
Louisiana	0	0	0	205	0	0	0
Oklahoma	0	2,525	0	98	0	0	0
Texas	0	461	0	30	0	0	0
Mountain	0	234	0	21	0	0	0
Arizona	0	234	0	34	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	44	0	0	0
New Mexico	0	0	0	40	0	0	0
Utah	0	0	0	56	0	0	0
Pacific Contiguous	0	84	0	10	0	0	798
California	0	84	0	9	0	0	798
Oregon	0	0	0	132	0	0	0
Washington	0	951	0	589	0	0	0
Pacific Noncontiguous	13	71	0	668	0	0	0
Alaska	13	81	0	668	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	13	48	0	8	0	0	177

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, October 2013 (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	456	27	0	33	17
Connecticut	0	0	0	0	0	0	0	43
Maine	0	0	0	0	31	0	33	25
Massachusetts	0	0	0	456	113	0	0	20
New Hampshire	0	0	0	0	57	0	0	65
Rhode Island	0	0	0	0	0	0	0	123
Vermont	0	0	0	0	241	0	0	227
Middle Atlantic	0	0	0	33	10	0	10	9
New Jersey	0	0	0	33	14	0	0	17
New York	0	0	0	0	21	0	21	12
Pennsylvania	0	0	0	191	12	0	0	22
East North Central	0	0	0	185	16	0	15	12
Illinois	0	0	0	0	8,585	0	0	16
Indiana	0	0	0	0	68	0	72	38
Michigan	0	0	0	0	15	0	14	17
Ohio	0	0	0	185	185	0	0	50
Wisconsin	0	0	0	0	88	0	0	99
West North Central	0	0	0	0	39	0	50	20
Iowa	0	0	0	0	65	0	0	34
Minnesota	0	0	0	0	61	0	50	53
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	82	0	0	95
North Dakota	0	0	0	0	0	0	0	216
South Dakota	0	0	0	0	0	0	0	315
South Atlantic	0	0	0	45	13	0	12	14
Delaware	0	0	0	0	208	0	0	208
District of Columbia	0	0	0	0	0	0	0	106
Florida	0	0	0	262	56	0	0	78
Georgia	0	0	0	176	60	0	0	58
Maryland	0	0	0	149	56	0	262	44
North Carolina	0	0	0	49	49	0	0	33
South Carolina	0	0	0	0	0	0	0	64
Virginia	0	0	0	0	12	0	12	10
East South Central	0	0	0	140	140	0	0	61
Mississippi	0	0	0	0	0	0	0	286
Tennessee	0	0	0	140	140	0	0	58
West South Central	0	0	0	221	51	0	0	28
Arkansas	0	0	0	0	139	0	0	205
Louisiana	0	0	0	0	0	0	0	205
Oklahoma	0	0	0	0	0	0	0	98
Texas	0	0	0	221	54	0	0	29
Mountain	0	0	0	36	36	0	0	18
Arizona	0	0	0	84	84	0	0	32
Colorado	0	0	0	62	60	0	0	60
Nevada	0	0	0	50	50	0	0	33
New Mexico	0	0	0	0	224	0	0	39
Utah	0	0	0	0	0	0	0	56
Pacific Contiguous	0	0	0	36	8	0	0	7
California	0	0	0	36	8	0	0	7
Oregon	0	0	0	0	67	0	0	90
Washington	0	0	0	0	0	0	0	545
Pacific Noncontiguous	0	0	0	0	0	0	0	5
Alaska	0	0	0	0	0	0	0	14
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	0	0	0	20	6	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 October 2013**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	29	0	9	0	0	132
Connecticut	0	5,184	0	18	0	0	0
Maine	0	160	0	70	0	0	0
Massachusetts	0	35	0	7	0	0	132
New Hampshire	0	63	0	86	0	0	0
Rhode Island	0	100	0	49	0	0	0
Vermont	0	246	0	0	0	0	0
Middle Atlantic	36	232	0	9	0	0	153
New Jersey	0	110	0	25	0	0	0
New York	0	262	0	9	0	0	153
Pennsylvania	36	120	0	32	0	0	0
East North Central	3	120	0	7	0	0	141
Illinois	12	103	0	7	0	0	208
Indiana	4	1,016	0	45	0	0	0
Michigan	0	11	0	10	0	0	0
Ohio	77	89	0	21	0	0	0
Wisconsin	59	559	0	65	0	0	98
West North Central	7	169	0	17	0	0	0
Iowa	11	97	0	125	0	0	0
Minnesota	0	211	0	33	0	0	0
Missouri	0	167	0	0	0	0	0
Nebraska	0	0	0	464	0	0	0
North Dakota	0	195	0	0	0	0	0
South Dakota	0	284	0	0	0	0	0
South Atlantic	14	53	0	20	0	0	53
District of Columbia	0	0	0	45	0	0	0
Florida	0	0	0	44	0	0	0
Georgia	0	38	0	0	0	0	0
Maryland	38	57	0	27	0	0	0
North Carolina	0	106	0	0	0	0	48
South Carolina	0	149	0	156	0	0	368
Virginia	71	27	0	0	0	0	0
East South Central	30	142	0	26	0	0	0
Mississippi	0	0	0	60	0	0	0
Tennessee	30	142	0	28	0	0	0
West South Central	0	483	0	7	0	0	0
Arkansas	0	0	0	311	0	0	0
Louisiana	0	0	0	42	0	0	0
Oklahoma	0	2,837	0	52	0	0	0
Texas	0	484	0	7	0	0	0
Mountain	0	59	0	8	0	0	0
Arizona	0	212	0	14	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	18	0	0	0
New Mexico	0	0	0	16	0	0	0
Utah	0	0	0	23	0	0	0
Pacific Contiguous	0	160	0	4	0	0	158
California	0	160	0	4	0	0	158
Oregon	0	0	0	50	0	0	0
Washington	0	350	0	165	0	0	0
Pacific Noncontiguous	4	19	0	227	0	0	0
Alaska	4	25	0	227	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	3	65	0	3	0	0	48

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 October 2013 (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	208	11	0	12	7
Connecticut	0	0	0	0	0	0	0	18
Maine	0	0	0	0	13	0	12	11
Massachusetts	0	0	0	208	38	0	0	7
New Hampshire	0	0	0	0	24	0	0	30
Rhode Island	0	0	0	0	0	0	0	44
Vermont	0	0	0	0	69	0	0	91
Middle Atlantic	0	0	0	17	5	0	4	5
New Jersey	0	0	0	18	7	0	0	8
New York	0	0	0	0	9	0	8	7
Pennsylvania	0	0	0	125	4	0	0	9
East North Central	0	0	0	87	7	0	6	4
Illinois	0	0	0	0	708	0	0	6
Indiana	0	0	0	0	29	0	28	11
Michigan	0	0	0	0	6	0	6	5
Ohio	0	0	0	87	87	0	0	20
Wisconsin	0	0	0	0	42	0	0	36
West North Central	0	0	0	0	16	0	21	7
Iowa	0	0	0	0	28	0	0	10
Minnesota	0	0	0	0	22	0	21	19
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	37	0	0	42
North Dakota	0	0	0	0	0	0	0	195
South Dakota	0	0	0	0	0	0	0	284
South Atlantic	0	0	0	28	6	0	5	6
Delaware	0	0	0	0	63	0	0	63
District of Columbia	0	0	0	0	0	0	0	45
Florida	0	0	0	122	25	0	0	25
Georgia	0	0	0	83	27	0	0	26
Maryland	0	0	0	71	22	0	130	19
North Carolina	0	0	0	32	32	0	0	12
South Carolina	0	0	0	0	0	0	0	193
Virginia	0	0	0	0	5	0	5	4
East South Central	0	0	0	91	91	0	0	23
Mississippi	0	0	0	0	0	0	0	60
Tennessee	0	0	0	91	91	0	0	24
West South Central	0	0	0	104	23	0	0	7
Arkansas	0	0	0	0	61	0	0	63
Louisiana	0	0	0	0	0	0	0	42
Oklahoma	0	0	0	0	0	0	0	52
Texas	0	0	0	104	25	0	0	7
Mountain	0	0	0	20	18	0	0	8
Arizona	0	0	0	41	40	0	0	13
Colorado	0	0	0	38	30	0	0	24
Nevada	0	0	0	29	29	0	0	16
New Mexico	0	0	0	0	80	0	0	16
Utah	0	0	0	0	0	0	0	23
Pacific Contiguous	0	0	0	19	4	0	0	5
California	0	0	0	19	4	0	0	6
Oregon	0	0	0	0	28	0	0	32
Washington	0	0	0	0	0	0	0	157
Pacific Noncontiguous	0	0	0	0	0	0	0	2
Alaska	0	0	0	0	0	0	0	5
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	0	0	0	10	3	0	2	2

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, October 2013**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	57	20	0	9	0	0	29
Connecticut	0	367	0	49	0	0	0
Maine	0	23	0	7	0	0	26
Massachusetts	88	21	0	75	0	0	413
New Hampshire	0	118	0	157	0	0	718
Vermont	0	0	0	0	0	0	180
Middle Atlantic	11	13	78	22	17	0	113
New Jersey	0	857	168	40	85	0	0
New York	0	6	0	45	0	0	113
Pennsylvania	21	169	88	32	10	0	0
East North Central	5	24	44	24	14	0	104
Illinois	7	1,265	0	51	62	0	0
Indiana	70	4	0	30	12	0	0
Michigan	28	27	106	58	0	0	252
Ohio	21	145	420	82	44	0	0
Wisconsin	8	348	0	78	0	0	115
West North Central	7	153	0	49	174	0	135
Iowa	7	101	0	393	0	0	0
Kansas	0	0	0	60	0	0	0
Minnesota	20	228	0	83	0	0	135
Missouri	75	0	0	947	0	0	0
Nebraska	26	0	0	296	0	0	0
North Dakota	54	246	0	175	174	0	0
South Atlantic	12	21	0	11	0	0	9
Delaware	0	0	0	0	0	0	0
Florida	65	59	0	21	0	0	0
Georgia	17	34	0	26	0	0	184
Maryland	0	0	0	109	0	0	0
North Carolina	60	74	0	54	0	0	11
South Carolina	13	0	0	68	0	0	0
Virginia	31	30	0	28	0	0	244
West Virginia	6	0	0	246	0	0	11
East South Central	5	50	0	12	16	0	11
Alabama	26	54	0	23	17	0	0
Kentucky	0	0	0	53	0	0	0
Mississippi	0	0	0	15	0	0	0
Tennessee	2	1,209	0	38	0	0	11
West South Central	42	24	31	2	5	0	0
Arkansas	0	0	0	38	0	0	0
Louisiana	0	0	67	3	5	0	0
Oklahoma	48	63	0	126	0	0	0
Texas	0	300	16	3	11	0	0
Mountain	12	120	0	12	13	0	0
Colorado	378	1,084	0	97	0	0	0
Idaho	56	0	0	100	0	0	0
Montana	173	0	0	0	0	0	0
Nevada	0	0	0	24	0	0	0
New Mexico	0	632	0	0	0	0	0
Utah	0	1,775	0	16	272	0	0
Wyoming	25	121	0	20	12	0	0
Pacific Contiguous	0	72	0	3	7	0	995
California	0	31	0	3	7	0	0
Oregon	0	0	0	73	0	0	0
Washington	0	84	0	0	0	0	995
Pacific Noncontiguous	166	18	0	147	74	0	166
Alaska	0	7	0	147	685	0	0
Hawaii	166	74	0	0	71	0	166
U.S. Total	4	10	24	2	6	0	9

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, October 2013 (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	3	0	25	5
Connecticut	0	0	0	0	0	0	0	49
Maine	0	0	0	0	4	0	32	4
Massachusetts	0	0	0	0	0	0	0	11
New Hampshire	0	0	0	0	0	0	0	192
Vermont	0	0	0	0	0	0	0	180
Middle Atlantic	0	0	0	82	9	0	0	10
New Jersey	0	0	0	201	201	0	0	39
New York	0	0	0	0	7	0	0	12
Pennsylvania	0	0	0	89	13	0	0	12
East North Central	0	0	0	0	7	0	7	5
Illinois	0	0	0	0	0	0	19	8
Indiana	0	0	0	0	79	0	0	9
Michigan	0	0	0	0	11	0	0	17
Ohio	0	0	0	0	12	0	0	21
Wisconsin	0	0	0	0	11	0	44	8
West North Central	0	0	0	0	10	0	43	7
Iowa	0	0	0	0	0	0	0	8
Kansas	0	0	0	0	0	0	0	60
Minnesota	0	0	0	0	11	0	43	14
Missouri	0	0	0	0	172	0	0	70
Nebraska	0	0	0	0	0	0	0	27
North Dakota	0	0	0	0	547	0	0	58
South Atlantic	0	0	0	0	3	0	4	3
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	7	0	4	7
Georgia	0	0	0	0	4	0	3	6
Maryland	0	0	0	0	0	0	0	14
North Carolina	0	0	0	0	7	0	0	9
South Carolina	0	0	0	0	1	0	0	4
Virginia	0	0	0	0	6	0	0	10
West Virginia	0	0	0	0	0	0	0	6
East South Central	0	0	0	0	4	0	48	4
Alabama	0	0	0	0	6	0	0	6
Kentucky	0	0	0	0	10	0	0	29
Mississippi	0	0	0	0	5	0	145	7
Tennessee	0	0	0	0	11	0	0	5
West South Central	0	0	0	0	4	0	9	2
Arkansas	0	0	0	0	4	0	0	6
Louisiana	0	0	0	0	6	0	6	3
Oklahoma	0	0	0	0	21	0	60	28
Texas	0	0	0	0	10	0	16	3
Mountain	0	0	0	184	2	0	8	6
Colorado	0	0	0	0	240	0	50	58
Idaho	0	0	0	0	2	0	0	10
Montana	0	0	0	0	0	0	0	173
Nevada	0	0	0	184	184	0	0	24
New Mexico	0	0	0	0	0	0	0	632
Utah	0	0	0	0	0	0	0	6
Wyoming	0	0	0	0	0	0	0	13
Pacific Contiguous	0	0	0	139	7	0	9	3
California	0	0	0	139	16	0	10	3
Oregon	0	0	0	0	12	0	0	17
Washington	0	0	0	0	7	0	0	6
Pacific Noncontiguous	0	0	0	0	33	0	0	35
Alaska	0	0	0	0	243	0	0	67
Hawaii	0	0	0	0	33	0	0	41
U.S. Total	0	0	0	67	2	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 October 2013**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	12	19	0	4	0	0	10
Connecticut	0	95	0	19	0	0	0
Maine	0	26	0	4	0	0	9
Massachusetts	27	21	0	27	0	0	146
New Hampshire	0	106	0	66	0	0	174
Vermont	0	0	0	0	0	0	65
Middle Atlantic	4	12	28	9	4	0	41
New Jersey	0	153	58	17	17	0	0
New York	0	10	0	19	0	0	41
Pennsylvania	7	120	31	13	3	0	0
East North Central	2	25	16	9	4	0	33
Illinois	2	1,141	0	19	13	0	0
Indiana	22	6	0	12	3	0	0
Michigan	8	19	38	20	0	0	79
Ohio	6	134	128	34	10	0	0
Wisconsin	3	93	0	25	0	0	37
West North Central	2	40	0	20	34	0	36
Iowa	2	91	0	100	0	0	0
Kansas	0	0	0	25	0	0	0
Minnesota	6	53	0	28	0	0	36
Missouri	19	0	0	280	0	0	0
Nebraska	8	0	0	98	0	0	0
North Dakota	16	69	0	67	34	0	0
South Atlantic	3	8	0	2	0	0	3
Delaware	0	0	0	0	0	0	0
Florida	17	23	0	4	0	0	0
Georgia	4	9	0	6	0	0	67
Maryland	0	0	0	37	0	0	0
North Carolina	16	41	0	16	0	0	5
South Carolina	4	0	0	16	0	0	0
Virginia	7	14	0	9	0	0	88
West Virginia	2	0	0	85	0	0	3
East South Central	1	20	0	3	5	0	5
Alabama	8	21	0	4	5	0	0
Kentucky	0	0	0	23	0	0	0
Mississippi	0	0	0	3	0	0	0
Tennessee	1	336	0	13	0	0	5
West South Central	10	9	8	1	2	0	0
Arkansas	0	0	0	8	0	0	0
Louisiana	145	0	23	1	2	0	0
Oklahoma	12	56	0	24	0	0	0
Texas	0	118	4	1	3	0	0
Mountain	3	36	0	4	3	0	0
Colorado	84	978	0	41	0	0	0
Idaho	17	0	0	26	0	0	0
Montana	47	0	0	0	0	0	0
Nevada	0	0	0	11	0	0	0
New Mexico	0	570	0	156	0	0	0
Utah	0	440	0	6	93	0	0
Wyoming	8	36	0	6	3	0	0
Pacific Contiguous	0	12	0	1	2	0	324
California	0	6	0	1	2	0	0
Oregon	0	0	0	26	0	0	0
Washington	0	19	0	0	0	0	324
Pacific Noncontiguous	39	12	0	55	23	0	52
Alaska	0	7	0	55	147	0	0
Hawaii	39	20	0	0	23	0	52
U.S. Total	1	5	7	1	2	0	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.

**Table A.5.B. Relative Standard Error for Net Generation by Fuel Type:
Industrial Sector by Census Division and State, Year-to-Date through October 2013 (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	1	0	10	2
Connecticut	0	0	0	0	0	0	0	18
Maine	0	0	0	0	1	0	13	2
Massachusetts	0	0	0	0	0	0	0	5
New Hampshire	0	0	0	0	0	0	0	64
Vermont	0	0	0	0	0	0	0	65
Middle Atlantic	0	0	0	51	3	0	0	4
New Jersey	0	0	0	127	127	0	0	13
New York	0	0	0	0	2	0	0	5
Pennsylvania	0	0	0	56	5	0	0	5
East North Central	0	0	0	0	2	0	3	2
Illinois	0	0	0	0	0	0	8	3
Indiana	0	0	0	0	36	0	0	3
Michigan	0	0	0	0	3	0	0	6
Ohio	0	0	0	0	4	0	0	6
Wisconsin	0	0	0	0	3	0	20	3
West North Central	0	0	0	0	3	0	17	2
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	0	0	0	25
Minnesota	0	0	0	0	3	0	17	4
Missouri	0	0	0	0	94	0	0	19
Nebraska	0	0	0	0	0	0	0	9
North Dakota	0	0	0	0	128	0	0	16
South Atlantic	0	0	0	0	1	0	2	1
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	2	0	2	2
Georgia	0	0	0	0	1	0	1	1
Maryland	0	0	0	0	0	0	0	7
North Carolina	0	0	0	0	2	0	0	3
South Carolina	0	0	0	0	1	0	0	1
Virginia	0	0	0	0	2	0	0	3
West Virginia	0	0	0	0	0	0	0	2
East South Central	0	0	0	0	1	0	16	1
Alabama	0	0	0	0	2	0	0	1
Kentucky	0	0	0	0	3	0	0	12
Mississippi	0	0	0	0	1	0	57	1
Tennessee	0	0	0	0	3	0	0	2
West South Central	0	0	0	0	1	0	4	0
Arkansas	0	0	0	0	1	0	0	1
Louisiana	0	0	0	0	2	0	3	1
Oklahoma	0	0	0	0	7	0	26	7
Texas	0	0	0	0	3	0	7	1
Mountain	0	0	0	102	1	0	4	2
Colorado	0	0	0	0	79	0	19	18
Idaho	0	0	0	0	1	0	0	4
Montana	0	0	0	0	0	0	0	47
Nevada	0	0	0	102	102	0	0	11
New Mexico	0	0	0	0	0	0	0	155
Utah	0	0	0	0	0	0	0	2
Wyoming	0	0	0	0	0	0	0	4
Pacific Contiguous	0	0	0	69	2	0	4	1
California	0	0	0	69	5	0	4	1
Oregon	0	0	0	0	3	0	0	5
Washington	0	0	0	0	2	0	0	2
Pacific Noncontiguous	0	0	0	0	15	0	0	11
Alaska	0	0	0	0	145	0	0	23
Hawaii	0	0	0	0	15	0	0	13
U.S. Total	0	0	0	38	1	0	2	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.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers
by End-Use Sector, Census Division, and State, October 2013**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	1	3	0	1
Connecticut	0	1	5	0	1
Maine	0	1	2	0	1
Massachusetts	1	1	4	0	1
New Hampshire	1	1	5	0	1
Rhode Island	0	0	0	0	0
Vermont	2	3	9	0	3
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	3	0	0
New York	0	0	5	0	1
Pennsylvania	0	0	1	0	0
East North Central	0	0	1	0	0
Illinois	1	1	2	0	1
Indiana	1	1	2	0	1
Michigan	0	1	1	0	0
Ohio	1	1	2	0	1
Wisconsin	1	1	1	0	1
West North Central	1	1	1	0	1
Iowa	1	2	1	0	1
Kansas	2	1	3	0	1
Minnesota	1	1	1	0	1
Missouri	1	1	5	0	1
Nebraska	1	2	2	0	1
North Dakota	1	1	3	0	1
South Dakota	2	3	3	0	1
South Atlantic	1	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	2	1	1	0	1
Maryland	1	1	4	0	1
North Carolina	1	1	1	0	1
South Carolina	2	1	1	0	1
Virginia	1	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	1	1	1	0	1
Alabama	2	1	1	0	1
Kentucky	1	2	3	0	2
Mississippi	2	2	2	0	1
Tennessee	1	2	5	0	1
West South Central	1	0	1	1	0
Arkansas	2	2	2	338	1
Louisiana	1	1	1	0	1
Oklahoma	2	1	2	0	1
Texas	1	0	1	0	0
Mountain	1	1	1	0	0
Arizona	1	1	1	0	1
Colorado	3	2	2	0	1
Idaho	1	1	1	0	1
Montana	2	2	2	0	1
Nevada	2	1	0	0	1
New Mexico	5	3	3	0	2
Utah	4	2	1	0	1
Wyoming	2	2	1	0	1
Pacific Contiguous	2	1	1	0	1
California	3	1	1	0	1
Oregon	1	1	2	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	1	1	1	0	1
Alaska	2	3	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.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 October 2013**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	0	1	0	0
Connecticut	0	1	2	0	0
Maine	0	1	1	0	0
Massachusetts	1	1	2	0	1
New Hampshire	0	1	2	0	0
Rhode Island	2	1	2	0	1
Vermont	1	2	4	0	1
Middle Atlantic	0	0	0	0	0
New Jersey	0	0	1	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	0	0	0
East North Central	0	0	0	0	0
Illinois	0	1	1	0	0
Indiana	0	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	1	1	0	0
Wisconsin	0	0	1	0	0
West North Central	0	0	1	0	0
Iowa	1	1	1	0	1
Kansas	1	1	2	0	1
Minnesota	0	1	1	0	0
Missouri	0	1	2	0	1
Nebraska	1	1	1	0	1
North Dakota	1	1	2	0	1
South Dakota	1	1	2	0	1
South Atlantic	0	0	0	0	0
Delaware	0	1	3	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	1	0	0
Georgia	0	1	1	0	0
Maryland	0	1	2	0	0
North Carolina	0	1	1	0	0
South Carolina	0	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	0	1	1	0	0
Kentucky	0	1	1	0	1
Mississippi	1	1	1	0	1
Tennessee	0	1	2	0	1
West South Central	0	0	0	1	0
Arkansas	1	1	1	279	1
Louisiana	0	1	0	0	0
Oklahoma	0	1	1	0	0
Texas	0	0	1	0	0
Mountain	0	0	0	0	0
Arizona	0	0	1	0	0
Colorado	1	1	2	0	1
Idaho	0	1	1	0	0
Montana	1	1	2	0	1
Nevada	0	1	0	0	0
New Mexico	1	1	2	0	1
Utah	1	1	1	0	0
Wyoming	1	1	1	0	0
Pacific Contiguous	0	0	1	0	0
California	0	0	1	0	0
Oregon	0	1	2	0	0
Washington	0	1	1	0	0
Pacific Noncontiguous	1	1	1	0	0
Alaska	1	2	3	0	1
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, October 2013**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	0	2	0	0
Connecticut	0	1	5	0	1
Maine	0	1	3	0	1
Massachusetts	0	1	4	0	1
New Hampshire	0	1	5	0	1
Rhode Island	0	0	0	0	0
Vermont	1	3	9	0	2
Middle Atlantic	0	0	2	0	0
New Jersey	0	0	3	0	0
New York	0	0	4	0	0
Pennsylvania	0	0	1	0	0
East North Central	0	0	1	0	0
Illinois	0	1	3	0	1
Indiana	1	1	2	0	1
Michigan	0	0	1	0	0
Ohio	0	1	3	0	1
Wisconsin	1	1	2	0	1
West North Central	1	1	2	0	1
Iowa	1	2	2	0	1
Kansas	2	1	5	0	1
Minnesota	1	1	2	0	1
Missouri	1	1	7	0	1
Nebraska	1	2	3	0	1
North Dakota	1	1	4	0	1
South Dakota	2	2	4	0	1
South Atlantic	1	0	1	0	0
Delaware	1	2	10	0	2
District of Columbia	0	0	0	0	0
Florida	1	0	4	0	0
Georgia	2	1	3	0	1
Maryland	0	1	3	0	1
North Carolina	1	1	2	0	1
South Carolina	2	1	2	0	1
Virginia	1	0	3	0	1
West Virginia	0	1	1	0	0
East South Central	1	1	2	0	1
Alabama	2	1	2	0	1
Kentucky	1	2	4	0	1
Mississippi	2	1	4	0	1
Tennessee	1	2	6	0	1
West South Central	1	0	1	2	0
Arkansas	2	1	3	366	1
Louisiana	1	1	1	0	1
Oklahoma	2	1	4	0	1
Texas	1	0	2	0	0
Mountain	1	1	1	0	1
Arizona	1	1	3	0	1
Colorado	3	1	5	0	2
Idaho	1	1	1	0	1
Montana	2	2	4	0	1
Nevada	1	1	1	0	1
New Mexico	6	2	6	0	3
Utah	4	2	2	0	2
Wyoming	2	2	1	0	1
Pacific Contiguous	2	0	1	0	1
California	2	0	2	0	1
Oregon	1	1	3	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	1	1	1	0	0
Alaska	3	3	4	0	2
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.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 October 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	1	1	35	0
Connecticut	0	0	2	0	0
Maine	0	1	2	0	0
Massachusetts	1	1	2	76	1
New Hampshire	0	0	2	0	0
Rhode Island	2	6	1	0	3
Vermont	1	2	4	0	1
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	1	0	0
New York	0	0	2	0	0
Pennsylvania	0	1	1	0	0
East North Central	0	0	1	0	0
Illinois	0	0	2	0	0
Indiana	1	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	0	2	0	0
Wisconsin	0	0	1	0	0
West North Central	0	0	1	0	0
Iowa	1	1	2	0	1
Kansas	1	1	3	0	1
Minnesota	1	1	1	0	0
Missouri	1	1	3	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	1	1	3	0	1
South Atlantic	0	0	1	17	0
Delaware	1	5	5	0	2
District of Columbia	0	4	0	44	3
Florida	0	0	2	0	0
Georgia	1	1	2	0	0
Maryland	0	0	2	0	0
North Carolina	0	1	1	0	0
South Carolina	1	1	1	0	0
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	0
Kentucky	1	1	2	0	1
Mississippi	1	1	2	0	1
Tennessee	1	1	3	0	1
West South Central	0	0	1	1	0
Arkansas	1	1	2	298	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	2	0	1
Texas	0	0	1	0	0
Mountain	0	1	1	0	0
Arizona	0	0	2	0	0
Colorado	1	1	3	0	1
Idaho	1	1	1	0	0
Montana	1	1	3	0	1
Nevada	0	5	1	0	1
New Mexico	1	1	5	0	1
Utah	1	1	1	0	1
Wyoming	1	1	1	0	1
Pacific Contiguous	0	0	1	0	0
California	0	0	1	0	0
Oregon	0	2	2	0	1
Washington	0	0	2	0	0
Pacific Noncontiguous	1	1	0	0	0
Alaska	2	2	2	0	1
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, October 2013**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	0	1	0	0
Connecticut	0	0	5	0	1
Maine	0	0	2	0	0
Massachusetts	1	0	1	0	1
New Hampshire	0	0	2	0	0
Rhode Island	0	0	0	0	0
Vermont	2	1	3	0	1
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	1	0	0
New York	0	0	3	0	0
Pennsylvania	0	0	1	0	0
East North Central	0	0	0	0	0
Illinois	0	0	2	0	0
Indiana	1	1	1	0	0
Michigan	0	0	0	0	0
Ohio	0	0	1	0	0
Wisconsin	1	0	1	0	0
West North Central	0	0	1	0	0
Iowa	1	1	1	0	1
Kansas	1	1	3	0	1
Minnesota	1	1	1	0	0
Missouri	1	1	2	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	2	0	1
South Dakota	1	1	2	0	1
South Atlantic	0	0	1	0	0
Delaware	1	1	4	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	3	0	0
Georgia	1	1	2	0	0
Maryland	0	0	2	0	0
North Carolina	1	0	2	0	0
South Carolina	1	1	1	0	1
Virginia	0	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	0	0	1	0	0
Alabama	1	1	1	0	1
Kentucky	1	1	1	0	1
Mississippi	1	1	3	0	1
Tennessee	1	1	2	0	1
West South Central	0	0	1	1	0
Arkansas	1	1	2	169	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	3	0	1
Texas	0	0	1	0	0
Mountain	0	0	1	0	0
Arizona	0	0	1	0	0
Colorado	1	1	3	0	1
Idaho	1	1	1	0	0
Montana	1	1	2	0	1
Nevada	0	0	0	0	0
New Mexico	1	1	4	0	1
Utah	1	1	1	0	1
Wyoming	1	1	1	0	0
Pacific Contiguous	1	0	1	0	0
California	1	0	1	0	0
Oregon	1	1	1	0	0
Washington	1	0	1	0	0
Pacific Noncontiguous	1	1	1	0	0
Alaska	2	2	2	0	1
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.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 October 2013**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	1	1	35	0
Connecticut	0	1	3	0	0
Maine	0	1	2	0	1
Massachusetts	0	1	2	76	1
New Hampshire	0	1	3	0	1
Rhode Island	1	6	0	0	3
Vermont	0	2	5	0	1
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	0
East North Central	0	0	1	0	0
Illinois	0	1	2	0	0
Indiana	0	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	1	2	0	0
Wisconsin	0	1	1	0	0
West North Central	0	0	1	0	0
Iowa	0	1	2	0	1
Kansas	0	1	3	0	1
Minnesota	0	1	1	0	0
Missouri	0	1	3	0	1
Nebraska	0	1	2	0	1
North Dakota	0	1	3	0	1
South Dakota	0	2	3	0	1
South Atlantic	0	0	1	17	0
Delaware	0	5	5	0	2
District of Columbia	0	4	0	44	3
Florida	0	1	2	0	0
Georgia	0	1	2	0	0
Maryland	0	1	2	0	0
North Carolina	0	1	1	0	0
South Carolina	0	1	1	0	0
Virginia	0	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	0	1	1	0	0
Alabama	0	1	1	0	0
Kentucky	0	1	2	0	1
Mississippi	0	1	2	0	1
Tennessee	0	1	3	0	1
West South Central	0	0	1	2	0
Arkansas	0	1	2	369	1
Louisiana	0	1	1	0	0
Oklahoma	0	1	2	0	1
Texas	0	0	1	0	0
Mountain	0	1	1	0	0
Arizona	0	1	2	0	0
Colorado	0	1	3	0	1
Idaho	0	1	1	0	0
Montana	0	1	3	0	1
Nevada	0	5	1	0	1
New Mexico	0	2	5	0	1
Utah	0	1	1	0	1
Wyoming	0	1	1	0	1
Pacific Contiguous	0	0	1	0	0
California	0	0	1	0	0
Oregon	0	2	2	0	1
Washington	0	1	2	0	0
Pacific Noncontiguous	1	1	1	0	0
Alaska	2	2	3	0	1
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 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	02/19/2013 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	03/18/2013 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	ongoing	ongoing	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	PacificCorp	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 100+ MW	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 - Hailstorm	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 - Hailstorm	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	06/26/2013 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
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

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 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	08/19/2013 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	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 - Hail Storm	Unknown	171117

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, 2012

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
2012	1	01/09/2012 1:36 PM	01/11/2012 1:05 AM	35 Hours, 29 Minutes	The Dow Chemical Company	SERC	Louisiana	Load Shed	150	1
2012	1	01/10/2012 9:30 PM	01/10/2012 9:30 PM	0 Hours, 0 Minutes	Luminant Energy Company LLC	TRE	Rusk County, Texas	Load Shed	N/A	N/A
2012	1	01/19/2012 7:00 AM	01/20/2012 3:00 PM	32 Hours, 0 Minutes	Puget Sound Energy	WECC	King, Pierce and Thurston Counties, Washington	Severe Weather - Winter Storm	1600	426000
2012	2	02/19/2012 5:00 PM	02/21/2012 7:33 AM	38 Hours, 33 Minutes	American Electric Power	SERC	Kentucky, Virginia, West Virginia	Severe Weather - Winter Storm	UNK	90000
2012	2	02/28/2012 2:59 AM	02/28/2012 6:12 AM	3 Hours, 13 Minutes	Pacific Gas and Electric	WECC	Sacramento, California	Electrical System Separation (Islanding)	1	1
2012	3	03/02/2012 12:37 PM	03/05/2012 12:01 PM	71 Hours, 24 Minutes	Tennessee Valley Authority (TVA)	SERC	Northern Alabama; Southeast Tennessee	Severe Weather - Tornadoes	500	UNK
2012	3	03/02/2012 1:45 PM	03/02/2012 3:30 PM	1 Hours, 45 Minutes	City of Piggott, Arkansas	SERC	Piggott, Arkansas	Operational Failure/Equipment Malfunction	N/A	N/A
2012	3	03/02/2012 9:00 PM	03/04/2012 5:30 PM	44 Hours, 30 Minutes	Consumers Energy	RFC	Lower Peninsula, Michigan	Severe Weather - Winter Storm	50	140000
2012	3	03/02/2012 9:00 PM	03/05/2012 4:30 PM	67 Hours, 30 Minutes	Detroit Edison, Subsidiary of DTE Energy	RFC	Southeastern, Michigan	Severe Weather - Winter Storm	371	130000
2012	3	03/20/2012 8:00 AM	03/20/2012 1:00 PM	5 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston, Texas	Severe Weather - Thunderstorms	N/A	96000
2012	3	03/29/2012 12:01 PM	03/29/2012 12:02 PM	0 Hours, 1 Minutes	Lansing Board of Water & Light	RFC	Lansing, Michigan	Electrical System Separation (Islanding)	UNK	0
2012	4	04/16/2012 3:46 PM	04/19/2012 2:00 AM	58 Hours, 14 Minutes	Detroit Edison, Subsidiary of DTE Energy	RFC	Southeast, Michigan	Severe Weather - High Winds	218	111393
2012	4	04/20/2012 2:27 PM	04/21/2012 4:27 AM	14 Hours, 0 Minutes	CenterPoint Energy	TRE	Metropolitan Houston, Texas	Severe Weather - Thunderstorms	N/A	120377
2012	5	05/07/2012 5:45 PM	05/07/2012 6:06 PM	0 Hours, 21 Minutes	American Electric Power (AEP)	RFC	Eastern Ohio	Load Shed/Severe Weather - Lightning Storm	420	1
2012	5	05/29/2012 8:35 PM	05/31/2012 10:00 AM	37 Hours, 25 Minutes	Oklahoma Gas & Electric	SPP	Oklahoma City Metro Area, Oklahoma	Severe Weather - Thunderstorms	UNK	112000
2012	6	06/08/2012 5:20 PM	06/08/2012 5:25 PM	0 Hours, 5 Minutes	Public Service Company of Colorado	WECC	Denver Metro Area, Colorado	Load Shed	120	30379
2012	6	06/11/2012 7:50 PM	06/12/2012 3:00 PM	19 Hours, 10 Minutes	Southern Company	SERC	North/Central Alabama; North/Central Georgia	Severe Weather - Thunderstorms	368	110591
2012	6	06/12/2012 3:57 PM	06/14/2012 4:57 AM	37 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston, Texas	Severe Weather - Thunderstorms	920	175000
2012	6	06/19/2012 4:30 AM	06/20/2012 11:00 PM	42 Hours, 30 Minutes	Xcel Energy	MRO	Minneapolis/St. Paul, Minnesota	Severe Weather - Thunderstorms	UNK	68200
2012	6	06/19/2012 5:30 AM	06/21/2012 5:30 AM	48 Hours, 0 Minutes	California Department of Water Resources	WECC	CAISO Territory California	Fuel Supply Deficiency (Water)	UNK	UNK
2012	6	06/23/2012 6:57 PM	06/23/2012 7:28 PM	0 Hours, 31 Minutes	ISO New England	NPCC	North Shore, Massachusetts	Load Shed	51	29250
2012	6	06/25/2012 4:04 PM	06/26/2012 1:45 PM	21 Hours, 41 Minutes	Dominion	SERC	Central Virginia	Severe Weather - Wind & Rain	600	190000
2012	6	06/29/2012 12:10 PM	06/29/2012 5:02 PM	4 Hours, 52 Minutes	Puerto Rico Electric Power Authority (PREPA)	N/A	Puerto Rico	Equipment Trip & Failure	1800	900000
2012	6	06/29/2012 2:10 PM	07/04/2012 6:00 PM	123 Hours, 50 Minutes	Dayton Power & Light	RFC	Dayton, Ohio	Severe Weather - Thunderstorms	500	175000
2012	6	06/29/2012 4:00 PM	06/29/2012 9:00 PM	5 Hours, 0 Minutes	Entergy	SERC	Eastern, Arkansas	Public Appeal to Reduce Electricity Usage	45	7935
2012	6	06/29/2012 4:00 PM	07/02/2012 4:00 PM	72 Hours, 0 Minutes	American Electric Power (AEP)	RFC	Indiana; Michigan; Ohio; West Virginia	Severe Weather - Thunderstorms	UNK	1355919
2012	6	06/29/2012 5:15 PM	07/02/2012 11:59 PM	78 Hours, 44 Minutes	Duke Energy Midwest	RFC	Eastern Indiana; Northern Kentucky; Greater Cincinnati area Ohio	Severe Weather - Thunderstorms	2946	4645572
2012	6	06/29/2012 6:24 PM	07/06/2012 10:00 AM	159 Hours, 36 Minutes	FirstEnergy (Mon Power)	RFC	West Virginia	Severe Weather - Thunderstorms	700	265000
2012	6	06/29/2012 7:00 PM	07/07/2012 7:43 PM	192 Hours, 43 Minutes	FirstEnergy (Potomac Edison)	RFC	Maryland; West Virginia	Severe Weather - Thunderstorms	UNK	145000
2012	6	06/29/2012 10:15 PM	07/02/2012 1:10 PM	62 Hours, 55 Minutes	Pepco	RFC	Montgomery and Prince Georges Counties, Maryland; District of Columbia	Severe Weather - Thunderstorms	3000	425000
2012	6	06/29/2012 10:29 PM	07/04/2012 3:36 PM	113 Hours, 7 Minutes	Dominion	SERC	Virginia	Severe Weather - Thunderstorms	5000	880000
2012	6	06/29/2012 10:43 PM	07/02/2012 10:01 PM	71 Hours, 18 Minutes	Baltimore Gas & Electric Company (BGE)	RFC	Greater Baltimore area, Maryland	Severe Weather - Thunderstorms	1465	600000
2012	6	06/29/2012 11:30 PM	06/30/2012 2:00 AM	2 Hours, 30 Minutes	Exelon Corporation/ComEd	RFC	Northeast Illinois	Severe Weather - Thunderstorms	UNK	109000
2012	6	06/30/2012 1:00 AM	07/03/2012 1:00 AM	72 Hours, 0 Minutes	Delmarva Power & Light Company	RFC	Delaware; Maryland	Severe Weather - Thunderstorms	0	86390
2012	6	06/30/2012 1:15 AM	07/07/2012 5:33 PM	184 Hours, 18 Minutes	Atlantic City Electric	RFC	Atlantic City Electric Service Territory New Jersey	Severe Weather - Thunderstorms	UNK	205000
2012	6	06/30/2012 3:00 PM	07/02/2012 12:00 PM	45 Hours, 0 Minutes	Tennessee Valley Authority (TVA)	SERC	Northeast Tennessee	Public Appeal to Reduce Electricity Usage	UNK	UNK
2012	6	06/30/2012 10:30 PM	07/02/2012 8:11 AM	33 Hours, 41 Minutes	Southern Maryland Electric Cooperative, Inc.	RFC	Calvert, Charles, St. Mary's, Prince Georges Counties Maryland	Severe Weather - Thunderstorms	354	60000
2012	7	07/01/2012 1:00 PM	07/03/2012 3:00 PM	50 Hours, 0 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather - Thunderstorms	Unknown	320000
2012	7	07/01/2012 4:47 PM	07/01/2012 11:00 PM	6 Hours, 13 Minutes	North Carolina Municipal Power Agency #1	SERC	Tarboro, North Carolina	Operational Failure; Storm Damage	48	6100
2012	7	07/01/2012 5:45 PM	07/01/2012 10:15 PM	4 Hours, 30 Minutes	Progress Energy, Carolinas	SERC	Northern, Central and Eastern North Carolina	Severe Weather	Unknown	69106
2012	7	07/05/2012 12:00 AM	07/06/2012 8:30 PM	44 Hours, 30 Minutes	Consumers Energy	RFC	Lower Peninsula Michigan	Severe Weather - Thunderstorms	Unknown	111000
2012	7	07/05/2012 7:00 PM	07/06/2012 4:00 PM	21 Hours, 0 Minutes	Tennessee Valley Authority (TVA)	SERC	Northeast Tennessee	Severe Weather - Wind & Storms	N/A	50001
2012	7	07/07/2012 4:00 AM	07/10/2012 4:00 AM	72 Hours, 0 Minutes	California Department of Water Resources	WECC	CAISO California	Fuel Supply Deficiency (Water)	Unknown	0
2012	7	07/07/2012 6:06 AM	07/09/2012 11:00 PM	64 Hours, 54 Minutes	PPL Electric Utilities Corp	RFC	Lower Valley, Central, Susquehanna Regions Pennsylvania	Severe Weather - Thunderstorms	N/A	64500
2012	7	07/07/2012 6:00 PM	07/09/2012 7:01 PM	49 Hours, 1 Minutes	FirstEnergy Corp. Jersey Central Power & Light	RFC	Central and Northern New Jersey	Severe Weather - Thunderstorms	N/A	95400
2012	7	07/09/2012 12:15 PM	07/09/2012 4:14 PM	3 Hours, 59 Minutes	WECC RC Vancouver	WECC	Alberta, Canada	Energy Deficiency Alert	9896	Unknown
2012	7	07/16/2012 11:27 AM	07/16/2012 12:29 PM	1 Hours, 2 Minutes	North Little Rock Electric Department	SPP	Little Rock, Arkansas	Public Appeal to Reduce Energy Usage	N/A	N/A
2012	7	07/18/2012 2:16 PM	07/19/2012 11:58 PM	33 Hours, 42 Minutes	Duke Energy Midwest	RFC	Southeast Ohio, Northern Kentucky, Southern Indiana	Severe Weather - Thunderstorms	480	103000
2012	7	07/18/2012 4:20 PM	07/18/2012 7:05 PM	2 Hours, 45 Minutes	American Electric Power (AEP)	RFC	Eastern Ohio	Severe Weather - Thunderstorms	Unknown	67000
2012	7	07/18/2012 11:00 PM	07/19/2012 6:00 AM	7 Hours, 0 Minutes	Exelon Corporation/ComEd	RFC	Northern Illinois	Severe Weather - Thunderstorms	Unknown	181000
2012	7	07/19/2012 10:30 AM	07/31/2012 11:00 AM	288 Hours, 30 Minutes	Somerset Operating Company	NPCC	Niagara County, New York	Fuel Supply Deficiency (Coal)	675	Unknown
2012	7	07/21/2012 2:19 AM	07/21/2012 5:20 AM	3 Hours, 1 Minutes	Lubbock Power and Light	SPP	City of Lubbock, Texas	Severe Weather; Equipment Failure	220	70000
2012	7	07/24/2012 7:01 AM	07/24/2012 4:30 PM	9 Hours, 29 Minutes	Northern Indiana Public Service Company	RFC	Northern Indiana	Severe Weather - Thunderstorms	N/A	82621
2012	7	07/24/2012 7:30 AM	07/24/2012 10:00 PM	14 Hours, 30 Minutes	Exelon Corporation/ComEd	RFC	Northern Illinois	Severe Weather - Thunderstorms	Unknown	330000
2012	7	07/26/2012 6:14 PM	07/27/2012 6:14 PM	24 Hours, 0 Minutes	FirstEnergy Corp.: Pennsylvania Electric Company	RFC	Western Pennsylvania	Severe Weather - Thunderstorms	N/A	65112
2012	7	07/26/2012 6:21 PM	07/28/2012 11:30 PM	53 Hours, 9 Minutes	PPL Electric Utilities Corp	RFC	North/Central Pennsylvania	Severe Weather - Thunderstorms	N/A	65000
2012	7	07/26/2012 6:30 PM	07/27/2012 5:22 PM	22 Hours, 52 Minutes	American Electric Power (AEP)	RFC	Eastern Ohio	Severe Weather - Thunderstorms	Unknown	57054
2012	7	07/27/2012 5:19 PM	07/28/2012 5:19 PM	24 Hours, 0 Minutes	Duke Energy Midwest	RFC	Central Indiana	Severe Weather - Thunderstorms	Unknown	52702
2012	8	08/01/2012 12:00 PM	08/01/2012 12:00 PM	0 Hours, 0 Minutes	Oklahoma Gas & Electric Co	SPP	Oklahoma, Arkansas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2012	8	08/04/2012 3:55 AM	08/04/2012 4:21 AM	0 Hours, 26 Minutes	Pacific Gas & Electric Co	WECC	Tombler Substation in McKittrick, California	Electrical System Separation (Islanding)	5	127
2012	8	08/04/2012 4:00 AM	08/04/2012 7:20 AM	3 Hours, 20 Minutes	Northern Indiana Public Service Company	RFC	Northern Indiana	Severe Weather - Thunderstorms	N/A	61413
2012	8	08/04/2012 5:30 PM	08/05/2012 12:10 PM	18 Hours, 40 Minutes	Exelon Corporation/ComEd	RFC	Northeast Illinois	Severe Weather - Thunderstorms	Unknown	325000
2012	8	08/13/2012 3:52 PM	08/13/2012 7:44 PM	3 Hours, 52 Minutes	WECC Reliability Coordinator	WECC	CFE (Mexico & U.S.)	Severe Weather - Dust Storm; Load Shed Event	655	Unknown
2012	8	08/26/2012 10:04 PM	08/27/2012 2:04 AM	4 Hours, 0 Minutes	Florida Power & Light	FRCC	Florida	Severe Weather - TS Isaac	N/A	440000

Table B.2 Major Disturbances and Unusual Occurrences, 2012

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
2012	8	08/28/2012 6:00 AM	09/04/2012 8:00 AM	170 Hours, 0 Minutes	Entergy	SERC	Arkansas, Louisiana, Mississippi	Severe Weather - Hurricane Isaac	Unknown	770000
2012	8	08/29/2012 6:53 AM	08/30/2012 2:00 PM	31 Hours, 7 Minutes	Dixie Electric Membership Corp	SERC	Louisiana	Severe Weather - Hurricane Isaac	150	68018
2012	8	08/29/2012 9:00 AM	08/31/2012 12:00 PM	51 Hours, 0 Minutes	Louisiana Generating LLC	SERC	Louisiana	Severe Weather - Hurricane Isaac	300	50000
2012	8	08/29/2012 9:48 AM	08/31/2012 12:55 PM	51 Hours, 7 Minutes	Cleco Power LLC	SPP	Louisiana	Severe Weather - Hurricane Isaac	Unknown	95000
2012	9	09/08/2012 3:40 PM	09/08/2012 6:45 PM	3 Hours, 5 Minutes	PEPCO (Potomac Electric Power Company)	RFC	Prince George's County, Montgomery County Maryland; D.C.	Severe Weather - Thunderstorms	UNK	65000
2012	9	09/08/2012 3:53 PM	09/09/2012 7:46 PM	27 Hours, 53 Minutes	Dominion Virginia Power	SERC	Virginia	Severe Weather - Thunderstorms	475	119000
2012	9	09/11/2012 1:00 PM	09/11/2012 1:58 PM	0 Hours, 58 Minutes	WECC - Loveland	WECC	Alberta, Canada	Electrical System Separation (Islanding)	0	0
2012	9	09/26/2012 9:16 PM	09/26/2012 10:18 PM	1 Hours, 2 Minutes	Puerto Rico Electric Power Authority (PREPA)	N/A	Puerto Rico	Voltage Reduction	600	371526
2012	10	10/14/2012 10:36 AM	10/14/2012 10:50 AM	0 Hours, 14 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Electrical System Separation (Islanding)	3	2035
2012	10	10/23/2012 9:10 AM	10/23/2012 9:16 AM	0 Hours, 6 Minutes	Crawfordsville Electric, Light & Power	RFC	Crawfordsville, Indiana	Transmission System Interruption	49	9800
2012	10	10/29/2012 12:00 AM	11/09/2012 11:59 PM	287 Hours, 59 Minutes	FirstEnergy Corp: Mon Power Company	RFC	West Virginia	Severe Weather - Hurricane Sandy	0	208000
2012	10	10/29/2012 8:00 AM	11/04/2012 11:00 PM	159 Hours, 0 Minutes	Atlantic City Electric Co	RFC	New Jersey	Severe Weather - Hurricane Sandy	Unknown	Unknown
2012	10	10/29/2012 9:00 AM	11/02/2012 6:00 PM	105 Hours, 0 Minutes	Delmarva Power & Light Company	RFC	Delaware, Maryland	Severe Weather - Hurricane Sandy	Unknown	70000
2012	10	10/29/2012 12:00 PM	11/04/2012 11:00 PM	155 Hours, 0 Minutes	FirstEnergy Corp: Jersey Central Power & Light	RFC	New Jersey	Severe Weather - Hurricane Sandy	Unknown	217000
2012	10	10/29/2012 1:00 PM	11/12/2012 2:00 PM	337 Hours, 0 Minutes	Long Island Power Authority (LIPA)	NPCC	Long Island, New York	Severe Weather - Hurricane Sandy	0	632816
2012	10	10/29/2012 2:40 PM	10/30/2012 6:16 PM	27 Hours, 36 Minutes	ISO New England obo NSTAR	NPCC	Boston, Southeast Massachusetts	Severe Weather - Hurricane Sandy	Unknown	50000
2012	10	10/29/2012 2:45 PM	11/01/2012 1:30 AM	58 Hours, 45 Minutes	ISO New England/REMVEC	NPCC	Eastern Massachusetts	Severe Weather - Hurricane Sandy	Unknown	50000
2012	10	10/29/2012 3:15 PM	11/04/2012 8:00 PM	148 Hours, 45 Minutes	ISO New England/CONVEX	NPCC	Connecticut, Western Massachusetts	Severe Weather - Hurricane Sandy	0	649075
2012	10	10/29/2012 4:00 PM	11/05/2012 11:59 PM	175 Hours, 59 Minutes	FirstEnergy Corp: CEI	RFC	Greater Cleveland Ohio	Severe Weather - Hurricane Sandy	0	346000
2012	10	10/29/2012 4:00 PM	11/07/2012 11:48 PM	223 Hours, 48 Minutes	FirstEnergy Corp: Met-Ed	RFC	Eastern Pennsylvania	Severe Weather - Hurricane Sandy	0	270000
2012	10	10/29/2012 4:00 PM	11/08/2012 5:08 PM	241 Hours, 8 Minutes	FirstEnergy Corp: Potomac Edison	RFC	Maryland; West Virginia	Severe Weather - Hurricane Sandy	Unknown	150000
2012	10	10/29/2012 4:01 PM	11/08/2012 7:00 PM	242 Hours, 59 Minutes	Consolidated Edison Co-NY Inc	NPCC	Greater New York City, New York	Severe Weather - Hurricane Sandy	0	818000
2012	10	10/29/2012 4:03 PM	11/06/2012 12:00 PM	187 Hours, 57 Minutes	PSE&G	NPCC	New Jersey	Severe Weather - Hurricane Sandy	Unknown	50000
2012	10	10/29/2012 4:45 PM	10/31/2012 11:00 AM	42 Hours, 15 Minutes	ISO New England/PSNH	NPCC	New Hampshire	Severe Weather - Hurricane Sandy	N/A	50000
2012	10	10/29/2012 5:13 PM	10/31/2012 11:00 AM	41 Hours, 47 Minutes	Baltimore Gas & Electric Company	RFC	Greater Baltimore Maryland	Severe Weather - Hurricane Sandy	0	219000
2012	10	10/29/2012 5:30 PM	11/06/2012 12:00 AM	174 Hours, 30 Minutes	Exelon Corporation/PECO	RFC	Greater Philadelphia Pennsylvania	Severe Weather - Hurricane Sandy	Unknown	850000
2012	10	10/29/2012 6:11 PM	11/04/2012 10:50 PM	148 Hours, 39 Minutes	PPL Electric Utilities Corp	RFC	Central Pennsylvania	Severe Weather - Hurricane Sandy	Unknown	400000
2012	10	10/29/2012 6:12 PM	10/30/2012 7:35 PM	25 Hours, 23 Minutes	Dominion Virginia Power	RFC	Virginia	Severe Weather - Hurricane Sandy	520	156000
2012	10	10/29/2012 6:46 PM	11/03/2012 10:45 AM	111 Hours, 59 Minutes	Orange and Rockland Utilities, Inc.	NPCC; RFC	Southeast New York; New Jersey	Severe Weather - Hurricane Sandy	Unknown	200000
2012	10	10/29/2012 6:48 PM	11/04/2012 11:36 AM	136 Hours, 48 Minutes	Iberdrola USA (NYSEG)	NP	New York	Severe Weather - Hurricane Sandy	Unknown	371000
2012	10	10/29/2012 7:00 PM	11/02/2012 5:00 AM	82 Hours, 0 Minutes	American Electric Power	RFC; SERC	Indiana; Kentucky; Michigan; Ohio	Severe Weather - Nor'easter	Unknown	173273
2012	10	10/29/2012 7:15 PM	10/30/2012 3:02 PM	19 Hours, 47 Minutes	ISO New England	NPCC	Southeast and Seacoast Maine	Severe Weather - Hurricane Sandy	Unknown	50000
2012	10	10/30/2012 2:00 AM	11/01/2012 10:00 PM	68 Hours, 0 Minutes	Detroit Edison Co	RFC	Greater Detroit Michigan	Severe Weather - Nor'easter	Unknown	133777
2012	11	11/17/2012 10:00 AM	11/18/2012 10:00 AM	24 Hours, 0 Minutes	ERCOT	TRE	Comanche Peak, Texas	Fuel Supply Deficiency	1231	0
2012	12	12/02/2012 5:20 AM	12/04/2012 9:00 AM	51 Hours, 40 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather - Winter Storm	250	125000
2012	12	12/06/2012 9:18 PM	12/06/2012 9:31 PM	0 Hours, 13 Minutes	California Department of Water Resources	WECC	Greater San Jose, California	Load Shed	390	Unknown
2012	12	12/25/2012 12:45 AM	12/28/2012 4:15 PM	87 Hours, 30 Minutes	Entergy	SPP	Arkansas; Louisiana; Mississippi; Texas	Severe Weather - Winter Storm	Unknown	242509
2012	12	12/25/2012 9:28 AM	12/26/2012 4:28 PM	31 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston, Texas	Severe Weather - Cold Front, High Winds	294	262000
2012	12	12/26/2012 2:50 PM	12/26/2012 7:40 PM	4 Hours, 50 Minutes	Town of Stantonsburg - (NC)	SERC	Stantonsburg, North Carolina	Severe Weather - Thunderstorm	3	1200
2012	12	12/31/2012 2:21 PM	12/31/2012 4:30 PM	2 Hours, 9 Minutes	City of Washington - (NC)	SERC	North Carolina	Transmission Interruption	40	12000

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
	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)
Natural Gas and Other Gases	BFG	Blast Furnace Gas
	NG	Natural Gas
	OG	Other Gas
Nuclear	NUC	Nuclear (including Uranium, Plutonium, and Thorium)
	WAT	Water at a Conventional
Hydroelectric 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 (Prime Mover = PS)	Pumping Energy for Reversible (Pumped Storage) Hydroelectric 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
	AB	Agricultural By-Products
Other Biomass	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
Other Renewable Energy Sources	SLW	Sludge Waste
	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 kilowatt-hour.

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:

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

92

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/eiawebme.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, October 2013

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	22.40	6.07	--	1.04
Connecticut	--	6.31	--	1.03
Maine	25.19	6.35	--	1.04
Massachusetts	22.13	5.92	--	1.04
New Hampshire	25.90	5.73	--	1.03
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	24.73	6.02	--	1.04
New Jersey	25.12	5.76	--	1.04
New York	22.47	6.08	--	1.03
Pennsylvania	24.83	5.80	--	1.04
East North Central	20.10	5.80	27.68	1.03
Illinois	17.68	5.77	--	1.01
Indiana	22.68	5.76	--	1.03
Michigan	18.63	5.89	27.12	1.02
Ohio	23.89	5.78	27.87	1.04
Wisconsin	18.30	5.79	27.90	1.02
West North Central	16.56	5.78	--	1.03
Iowa	17.23	5.76	--	1.03
Kansas	17.26	5.79	--	1.04
Minnesota	17.71	5.79	--	1.03
Missouri	17.55	5.75	--	1.02
Nebraska	17.08	5.79	--	1.04
North Dakota	12.90	5.79	--	--
South Dakota	16.51	--	--	1.04
South Atlantic	23.46	5.81	28.02	1.02
Delaware	26.03	--	--	1.06
District of Columbia	--	--	--	--
Florida	23.73	5.81	28.25	1.02
Georgia	19.52	5.83	27.02	1.02
Maryland	25.01	5.78	--	1.04
North Carolina	24.65	5.79	--	1.02
South Carolina	25.34	5.80	--	1.02
Virginia	23.89	5.87	--	1.04
West Virginia	24.26	5.81	--	1.04
East South Central	21.21	5.78	28.29	1.02
Alabama	20.20	5.72	--	1.02
Kentucky	22.54	5.81	28.29	1.02
Mississippi	14.97	--	--	1.02
Tennessee	21.42	5.76	--	1.01
West South Central	15.93	5.82	28.83	1.02
Arkansas	17.52	5.86	--	1.02
Louisiana	16.73	5.81	28.83	1.03
Oklahoma	17.24	5.80	--	1.04
Texas	15.29	5.81	--	1.02
Mountain	18.92	5.75	--	1.03
Arizona	19.83	5.65	--	1.02
Colorado	18.75	5.67	--	1.05
Idaho	--	--	--	1.02
Montana	17.01	5.92	--	--
Nevada	18.98	5.83	--	1.03
New Mexico	17.68	5.66	--	1.03
Utah	21.54	5.86	--	1.03
Wyoming	17.73	5.88	--	1.05
Pacific Contiguous	17.42	6.00	--	1.03
California	23.39	--	--	1.03
Oregon	16.85	--	--	1.02
Washington	16.93	6.00	--	1.03
Pacific Noncontiguous	19.73	6.16	--	1.00
Alaska	--	--	--	1.00
Hawaii	19.73	6.16	--	--
U.S. Total	19.49	6.06	28.29	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	0.90%	1.61%	0.50%
Transportation	2.18%	0.88%	2.44%
Total	0.17%	0.64%	0.27%
Revenue			
Residential	0.70%	0.73%	0.13%
Commercial	0.61%	0.24%	0.20%
Industrial	0.66%	0.58%	0.20%
Transportation	4.24%	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	0.41%	1.02%	0.39%
Transportation	3.87%	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	970,873	0.91%	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	3,754,493	0.12%	3,726,163	3,749,846	0.64%	3,686,780	3,694,650	0.21%
Revenue (Million Dollars)									
Residential	167,957	166,782	-0.70%	167,930	166,714	-0.72%	163,352	163,280	-0.04%
Commercial	136,361	135,559	-0.59%	136,138	135,926	-0.16%	133,908	133,898	-0.01%
Industrial	65,311	65,750	0.67%	67,212	67,606	0.59%	65,691	65,761	0.11%
Transportation	848	815	-3.94%	805	803	-0.25%	754	747	-0.90%
Total	370,477	368,906	-0.42%	372,084	371,049	-0.28%	363,705	363,687	0.00%
Average Retail Price (Cents/kWh)									
Residential	11.58	11.54	-0.35%	11.80	11.72	-0.66%	11.88	11.88	-0.04%
Commercial	10.26	10.19	-0.65%	10.32	10.23	-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	10.57	-3.61%	10.58	10.46	-1.11%	10.05	10.21	1.59%
Total	9.88	9.83	-0.54%	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.