



Independent Statistics & Analysis
U.S. Energy Information
Administration

Electric Power Monthly

with Data for November 2013

January 2014



This report was prepared by the U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy. By law, EIA's data, analyses, and forecasts are independent of approval by any other officer or employee of the United States Government. The views in this report therefore should not be construed as representing those of the Department of Energy or other Federal agencies.

Contacts

The Electric Power Monthly is prepared by the U.S. Energy Information Administration.

Questions and comments concerning the contents of the Electric Power Monthly may be directed to:

Ronald Hankey, Project Leader
U.S. Energy Information Administration, EI-23
U.S. Department of Energy
1000 Independence Avenue, S.W.
Washington, DC, 20585-0650

Email address: infoelectric@eia.gov

Subject specialists:

Subject	Specialist
U.S. electric net generation	Ronald Hankey
U.S. electric consumption of fuels	Christopher Cassar
U.S. electric stocks of fuels	Christopher Cassar
U.S. electric fossil-fuel receipts	Rebecca Peterson
U.S. electric fossil-fuel costs	Rebecca Peterson
U.S. retail sales of electricity	Charlene Harris-Russell
Sampling and estimation methodologies	James Knaub, Jr.

Requests for additional information on other statistics available from the U.S. Energy Information Administration or questions concerning subscriptions and report distribution may be directed to the Office of Communications of the U.S. Energy Information Administration at infoctr@eia.gov.

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 November											
Fuel	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
	November 2013	November 2012	Percentage Change	Electric Utilities		Independent Power Producers		November 2013	November 2012	November 2013	November 2012
				November 2013	November 2012	November 2013	November 2012				
Net Generation (Thousand Megawatthours)											
Coal	121,431	128,727	-5.7%	92,366	96,094	27,924	31,554	51	67	1,090	1,012
Petroleum Liquids	956	986	-3.1%	706	717	210	213	16	15	25	41
Petroleum Coke	851	824	3.4%	609	454	149	130	0	1	93	239
Natural Gas	83,110	80,169	3.7%	34,008	33,438	41,189	39,163	528	488	7,385	7,080
Other Gas	1,064	875	21.5%	12	0	320	211	0	0	731	664
Nuclear	64,975	56,713	14.6%	32,939	29,038	32,037	27,674	0	0	0	0
Hydroelectric Conventional	17,732	18,732	-5.3%	16,052	16,928	1,475	1,590	NM	2	204	213
Renewable Sources Excluding Hydroelectric	23,002	18,217	26.3%	2,968	2,474	17,406	13,150	240	217	2,387	2,376
... Wind	15,888	11,649	36.4%	2,539	2,029	13,340	9,613	NM	5	NM	1
... Solar Thermal and Photovoltaic	750	347	116.0%	59	52	669	283	21	11	NM	1
... Wood and Wood-Derived Fuels	3,413	3,190	7.0%	228	178	895	733	5	2	2,285	2,277
... Other Biomass	1,652	1,684	-1.9%	118	118	1,228	1,271	209	199	97	96
... Geothermal	1,298	1,347	-3.6%	24	97	1,274	1,250	0	0	0	0
Hydroelectric Pumped Storage	-345	-409	-15.7%	-262	-355	-82	-54	0	0	0	0
Other Energy Sources	975	1,140	-14.4%	35	46	537	580	91	86	312	428
All Energy Sources	313,752	305,975	2.5%	179,433	178,834	121,164	114,213	928	876	12,227	12,052
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	65,902	69,913	-5.7%	49,712	51,276	15,797	18,245	22	25	371	366
Petroleum Liquids (1000 barrels)	1,583	1,648	-3.9%	1,249	1,282	282	294	16	23	36	48
Petroleum Coke (1000 tons)	309	314	-1.6%	217	175	61	55	0	0	30	84
Natural Gas (1000 Mcf)	629,045	611,680	2.8%	267,622	265,122	303,282	290,769	5,004	4,472	53,136	51,317
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,585	1,600	-0.9%	0	0	179	218	98	99	1,308	1,283
Petroleum Liquids (1000 barrels)	212	228	-7.0%	0	0	88	84	8	8	116	135
Petroleum Coke (1000 tons)	111	122	-8.6%	0	0	9	9	1	1	101	112
Natural Gas (1000 Mcf)	74,937	69,240	8.2%	0	0	27,288	23,855	4,237	3,809	43,412	41,577
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	67,487	71,512	-5.6%	49,712	51,276	15,976	18,464	120	124	1,679	1,649
Petroleum Liquids (1000 barrels)	1,795	1,875	-4.3%	1,249	1,282	370	378	24	32	152	184
Petroleum Coke (1000 tons)	420	435	-3.5%	217	175	71	63	1	1	131	196
Natural Gas (1000 Mcf)	703,981	680,920	3.4%	267,622	265,122	330,570	314,624	9,241	8,281	96,549	92,894
Fuel Stocks (end-of-month)											
Coal (1000 tons)	158,327	191,505	-17.3%	126,278	152,864	29,477	35,428	295	446	2,278	2,767
Petroleum Liquids (1000 barrels)	33,676	35,235	-4.4%	21,773	23,982	9,397	8,062	375	300	2,132	2,891
Petroleum Coke (1000 tons)	698	1,001	-30.2%	250	346	87	70	W	W	W	W

Sales, Revenue, and Average Retail Price for November									
Sector	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
	November 2013	November 2012	Percentage Change	November 2013	November 2012	Percentage Change	November 2013	November 2012	Percentage Change
Residential	97,812	97,155	0.7%	11,827	11,418	3.6%	12.09	11.75	2.9%
Commercial	103,449	101,641	1.8%	10,470	10,052	4.2%	10.12	9.89	2.3%
Industrial	77,536	78,847	-1.7%	5,111	5,122	-0.2%	6.59	6.50	1.4%
Transportation	562	569	-1.1%	58	59	-1.2%	10.40	10.41	-0.1%
All Sectors	279,359	278,212	0.4%	27,466	26,651	3.1%	9.83	9.58	2.6%

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 November											
Fuel	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
	November 2013 YTD	November 2012 YTD	Percentage Change	Electric Utilities		Independent Power Producers		November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
				November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD				
Net Generation (Thousand Megawatthours)											
Coal	1,443,694	1,379,964	4.6%	1,084,945	1,045,112	346,138	322,522	730	806	11,882	11,524
Petroleum Liquids	11,989	12,167	-1.5%	8,215	9,137	3,152	2,342	NM	176	407	512
Petroleum Coke	12,448	8,987	38.5%	8,779	5,231	1,702	1,625	5	5	1,962	2,126
Natural Gas	1,021,889	1,141,905	-10.5%	434,366	469,419	502,259	587,438	5,785	6,120	79,479	78,927
Other Gas	11,223	10,935	2.6%	61	0	2,958	2,731	0	0	8,203	8,204
Nuclear	717,723	700,748	2.4%	368,702	361,167	349,021	339,581	0	0	0	0
Hydroelectric Conventional	247,814	253,257	-2.1%	224,211	232,003	20,533	19,061	33	25	3,037	2,167
Renewable Sources Excluding Hydroelectric	231,747	196,931	17.7%	28,817	25,364	174,023	144,025	2,651	2,326	26,256	25,217
... Wind	153,564	126,297	21.6%	23,583	20,723	129,893	105,509	58	49	31	17
... Solar Thermal and Photovoltaic	8,515	3,978	114.0%	933	588	7,269	3,237	293	139	20	13
... Wood and Wood-Derived Fuels	36,315	34,434	5.5%	2,080	1,654	8,948	8,428	26	22	25,260	24,331
... Other Biomass	18,260	18,050	1.2%	1,315	1,356	13,725	13,722	2,275	2,116	946	856
... Geothermal	15,093	14,172	6.5%	905	1,044	14,188	13,128	0	0	0	0
Hydroelectric Pumped Storage	-4,022	-4,374	-8.0%	-3,276	-3,703	-746	-671	0	0	0	0
Other Energy Sources	11,349	12,611	-10.0%	372	558	6,262	6,419	1,049	955	3,667	4,678
All Energy Sources	3,705,853	3,713,130	-0.2%	2,155,191	2,144,288	1,405,302	1,425,073	10,467	10,413	134,893	133,355
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	783,506	752,517	4.1%	582,529	560,951	196,470	187,020	284	279	4,223	4,267
Petroleum Liquids (1000 barrels)	20,398	20,559	-0.8%	15,012	16,176	4,663	3,494	264	249	458	641
Petroleum Coke (1000 tons)	4,514	3,367	34.1%	3,137	1,935	729	700	1	1	647	730
Natural Gas (1000 Mcf)	7,818,257	8,854,537	-11.7%	3,468,552	3,824,900	3,723,401	4,392,438	54,180	58,637	572,125	578,561
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	16,933	17,648	-4.1%	0	0	2,308	2,572	994	1,030	13,630	14,046
Petroleum Liquids (1000 barrels)	2,671	2,855	-6.4%	0	0	951	906	127	114	1,593	1,835
Petroleum Coke (1000 tons)	1,012	1,228	-17.6%	0	0	100	103	9	10	902	1,115
Natural Gas (1000 Mcf)	811,808	810,565	0.2%	0	0	299,517	293,953	42,070	44,073	470,221	472,539
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	800,439	770,165	3.9%	582,529	560,951	198,779	189,591	1,278	1,309	17,853	18,314
Petroleum Liquids (1000 barrels)	23,069	23,414	-1.5%	15,012	16,176	5,614	4,400	392	362	2,051	2,476
Petroleum Coke (1000 tons)	5,526	4,595	20.3%	3,137	1,935	829	804	11	11	1,550	1,845
Natural Gas (1000 Mcf)	8,630,066	9,665,102	-10.7%	3,468,552	3,824,900	4,022,918	4,686,391	96,250	102,711	1,042,346	1,051,100
Sales, Revenue, and Average Retail Price for January through November											
Total U.S. Electric Power Industry											
Sector	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)				
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	Percentage Change		
Residential	1,262,733	1,260,327	0.2%	153,501	150,009	2.3%	12.16	11.90	2.2%		
Commercial	1,229,599	1,222,979	0.5%	126,917	123,687	2.6%	10.32	10.11	2.1%		
Industrial	878,521	907,354	-3.2%	60,063	60,652	-1.0%	6.84	6.68	2.4%		
Transportation	6,860	6,701	2.4%	706	684	3.2%	10.29	10.20	0.9%		
All Sectors	3,377,713	3,397,362	-0.6%	341,186	335,032	1.8%	10.10	9.86	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			
	(Physical Units)		(Dollars / Physical Unit)				Receipts		Cost	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
Coal (1000 tons)	66,194	71,846	45.34	45.63	326	391	736,193	770,143	45.53	46.13
Petroleum Liquids (1000 barrels)	2,094	1,441	122.55	133.48	186	234	18,525	17,640	124.76	132.25
Petroleum Coke (1000 tons)	332	384	56.57	58.34	9	13	4,122	3,722	62.14	64.84
Natural Gas (1000 Mcf)	623,987	614,906	4.30	4.35	701	792	7,770,679	8,891,246	4.38	3.44

Electric Utilities										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				Receipts		Cost	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
Coal (1000 tons)	48,528	51,032	46.37	46.93	236	262	537,881	558,181	46.60	47.60
Petroleum Liquids (1000 barrels)	1,033	970	131.57	134.34	117	143	11,620	13,041	128.36	133.96
Petroleum Coke (1000 tons)	262	221	53.23	57.04	6	6	3,120	2,245	60.88	67.37
Natural Gas (1000 Mcf)	256,260	257,894	4.56	4.58	357	401	3,360,438	3,730,656	4.56	3.76

Independent Power Producers										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				Receipts		Cost	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
Coal (1000 tons)	16,898	19,708	41.26	41.11	70	96	190,236	199,671	41.41	40.84
Petroleum Liquids (1000 barrels)	1,049	410	113.03	135.68	56	71	6,597	3,555	118.78	134.22
Petroleum Coke (1000 tons)	52	76	W	W	1	3	519	719	W	24.50
Natural Gas (1000 Mcf)	305,625	288,823	4.14	4.26	301	312	3,746,994	4,403,436	4.29	3.19

Commercial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				Receipts		Cost	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
Coal (1000 tons)	9	17	W	W	1	2	140	170	W	80.12
Petroleum Liquids (1000 barrels)	0	3	--	W	0	2	0	40	--	W
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	524	1,565	W	6.52	2	6	4,859	16,342	W	5.95

Industrial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				Receipts		Cost	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
Coal (1000 tons)	760	1,089	W	W	19	31	7,935	12,121	W	65.20
Petroleum Liquids (1000 barrels)	12	58	123.01	W	13	18	309	1,004	113.23	W
Petroleum Coke (1000 tons)	17	88	W	W	2	4	482	758	W	73.34
Natural Gas (1000 Mcf)	61,578	66,625	W	3.71	41	73	658,388	740,813	W	2.97

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)	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
Coal	1,285,565	1,388,563	2.33	2.36	326	391	14,276,733	14,895,871	2.35	2.38
Petroleum Liquids	12,749	8,623	20.10	22.30	186	234	112,546	106,163	20.53	21.97
Petroleum Coke	9,462	10,964	1.98	2.05	9	13	117,488	106,639	2.18	2.26
Natural Gas	640,042	628,800	4.19	4.25	701	792	7,966,344	9,091,625	4.28	3.36
Fossil Fuels	1,947,818	2,036,942	3.01	2.99	918	1,060	22,473,111	24,200,119	3.08	2.82

Electric Utilities										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
Coal	949,052	999,479	2.37	2.40	236	262	10,529,578	10,942,097	2.38	2.43
Petroleum Liquids	6,293	5,800	21.60	22.46	117	143	70,885	78,777	21.04	22.18
Petroleum Coke	7,486	6,304	1.87	2.00	6	6	89,304	64,891	2.13	2.33
Natural Gas	262,233	262,811	4.46	4.49	357	401	3,435,630	3,805,924	4.46	3.68
Fossil Fuels	1,225,064	1,274,386	2.91	2.91	508	572	14,125,396	14,891,509	2.97	2.85

Independent Power Producers										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
Coal	318,976	365,210	2.19	2.22	70	96	3,564,150	3,688,276	2.21	2.21
Petroleum Liquids	6,387	2,446	18.51	22.75	56	71	39,760	20,985	19.69	22.72
Petroleum Coke	1,490	2,194	W	W	1	3	14,611	20,659	W	0.84
Natural Gas	313,805	296,103	4.04	4.16	301	312	3,847,543	4,509,162	4.18	3.12
Fossil Fuels	640,659	665,953	W	W	363	397	7,466,065	8,239,082	W	2.71

Commercial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
Coal	202	380	W	W	1	2	3,253	3,915	W	3.47
Petroleum Liquids	0	18	--	W	0	2	0	228	--	W
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	529	1,593	W	6.41	2	6	4,899	16,617	W	5.85
Fossil Fuels	732	1,991	W	W	2	7	8,152	20,761	W	W

Industrial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
Coal	17,334	23,495	W	W	19	31	179,752	261,583	W	3.02
Petroleum Liquids	69	359	20.57	W	13	18	1,901	6,174	18.37	W
Petroleum Coke	486	2,466	W	W	2	4	13,573	21,088	W	2.64
Natural Gas	63,475	68,292	W	3.61	41	73	678,272	759,921	W	2.89
Fossil Fuels	81,364	94,613	W	W	45	84	873,498	1,048,767	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-November 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	1,361	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
November	121,431	956	851	83,110	1,064	64,975	17,732	23,002	-345	975	313,752
Year to Date											
2011	1,600,501	14,908	13,088	927,567	10,561	718,367	295,623	176,796	-5,912	12,900	3,764,400
2012	1,379,964	12,167	8,987	1,141,905	10,935	700,748	253,257	196,931	-4,374	12,611	3,713,130
2013	1,443,694	11,989	12,448	1,021,889	11,223	717,723	247,814	231,747	-4,022	11,349	3,705,853
Rolling 12 Months Ending in November											
2012	1,512,893	13,345	9,994	1,228,027	11,940	772,585	276,988	214,117	-4,883	13,865	4,048,871
2013	1,577,773	13,224	13,248	1,105,878	12,185	786,307	270,797	253,149	-4,598	12,525	4,040,488

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-November 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
November	15,888	699	51	3,413	802	592	258	1,298	17,732	40,733
Year to Date										
2011	109,521	911	786	34,096	8,231	6,692	2,568	13,992	295,623	472,419
2012	126,297	3,118	860	34,434	8,912	6,681	2,457	14,172	253,257	450,188
2013	153,564	7,636	878	36,315	8,980	6,719	2,560	15,093	247,814	479,561
Rolling 12-Month Ending in November										
2012	136,953	3,219	880	37,788	9,725	7,343	2,713	15,497	276,988	491,105
2013	168,089	7,969	894	39,679	9,871	7,359	2,804	16,483	270,797	523,946

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.

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 1.2. Net Generation by Energy Source: Electric Utilities, 2003-November 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
November	92,366	706	609	34,008	12	32,939	16,052	2,968	-262	35	179,433
Year to Date											
2011	1,201,467	10,809	8,761	380,657	26	376,346	270,113	19,853	-5,042	554	2,263,545
2012	1,045,112	9,137	5,231	469,419	0	361,167	232,003	25,364	-3,703	558	2,144,288
2013	1,084,945	8,215	8,779	434,366	61	368,702	224,211	28,817	-3,276	372	2,155,191
Rolling 12 Months Ending in November											
2012	1,144,753	10,016	5,897	503,605	3	400,119	253,303	27,444	-4,153	608	2,341,594
2013	1,186,313	8,971	9,213	469,905	61	402,358	245,144	31,469	-3,775	417	2,350,075

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 1.3. Net Generation by Energy Source: Independent Power Producers, 2003-November 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
November	27,924	210	149	41,189	320	32,037	1,475	17,406	-82	537	121,164
Year to Date											
2011	384,738	3,417	3,190	467,440	2,667	342,021	23,865	129,529	-869	6,420	1,362,416
2012	322,522	2,342	1,625	587,438	2,731	339,581	19,061	144,025	-671	6,419	1,425,073
2013	346,138	3,152	1,702	502,259	2,958	349,021	20,533	174,023	-746	6,262	1,405,302
Rolling 12 Months Ending in November											
2012	354,567	2,580	1,866	631,446	2,975	372,466	21,313	156,450	-730	7,059	1,549,992
2013	377,692	3,567	1,836	542,653	3,211	383,949	22,395	190,062	-823	6,872	1,531,414

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 1.4. Net Generation by Energy Source: Commercial Sector, 2003-November 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
November	51	16	0	528	0	0	NM	240	0	91	928
Year to Date											
2011	971	81	2	4,988	3	0	23	2,269	0	869	9,206
2012	806	176	5	6,120	0	0	25	2,326	0	955	10,413
2013	730	NM	5	5,785	0	0	33	2,651	0	1,049	10,467
Rolling 12 Months Ending in November											
2012	884	181	5	6,620	0	0	27	2,533	0	1,036	11,287
2013	807	NM	5	6,268	0	0	NM	2,871	0	1,140	11,354

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-November 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
November	1,090	25	93	7,385	731	0	204	2,387	0	312	12,227
Year to Date											
2011	13,325	602	1,134	74,482	7,866	0	1,621	25,145	0	5,057	129,233
2012	11,524	512	2,126	78,927	8,204	0	2,167	25,217	0	4,678	133,355
2013	11,882	407	1,962	79,479	8,203	0	3,037	26,256	0	3,667	134,893
Rolling 12 Months Ending in November											
2012	12,689	567	2,226	86,356	8,962	0	2,345	27,690	0	5,162	145,997
2013	12,961	458	2,194	87,052	8,913	0	3,223	28,747	0	4,097	147,644

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	8,917	9,138	-2.4%	203	285	8,177	8,307	96	100	442	446
Connecticut	2,836	2,824	0.4%	NM	3	2,784	2,749	NM	39	NM	33
Maine	1,149	1,113	3.3%	NM	0	776	751	18	18	354	344
Massachusetts	2,420	2,639	-8.3%	39	49	2,279	2,488	41	36	61	66
New Hampshire	1,532	1,525	0.5%	84	168	1,440	1,352	NM	4	NM	1
Rhode Island	366	462	-20.9%	1	1	362	458	NM	3	0	0
Vermont	615	575	6.8%	76	65	537	509	NM	0	NM	2
Middle Atlantic	32,565	31,510	3.3%	2,899	2,775	29,186	28,255	160	163	320	317
New Jersey	4,918	3,479	41.3%	-10	-13	4,832	3,398	45	35	50	59
New York	10,742	10,405	3.2%	2,859	2,698	7,737	7,532	89	98	57	76
Pennsylvania	16,905	17,625	-4.1%	49	89	16,617	17,324	26	30	212	182
East North Central	49,848	48,103	3.6%	25,042	24,949	23,813	22,146	141	138	852	870
Illinois	16,448	16,051	2.5%	853	858	15,336	14,941	39	41	220	211
Indiana	8,957	9,478	-5.5%	7,640	8,378	1,053	828	13	18	251	254
Michigan	8,817	8,013	10.0%	7,007	6,237	1,629	1,588	62	70	119	118
Ohio	10,676	9,536	12.0%	6,062	5,919	4,480	3,507	NM	4	114	106
Wisconsin	4,949	5,024	-1.5%	3,480	3,558	1,314	1,281	NM	5	148	180
West North Central	27,009	25,765	4.8%	22,730	22,630	3,868	2,773	47	36	364	326
Iowa	4,453	4,738	-6.0%	3,004	3,910	1,239	651	17	16	192	162
Kansas	3,962	3,880	2.1%	3,191	3,253	768	625	0	0	NM	2
Minnesota	4,337	4,122	5.2%	3,308	3,239	899	747	NM	13	114	122
Missouri	7,287	6,768	7.7%	7,131	6,624	140	133	12	6	NM	5
Nebraska	3,109	2,340	32.9%	2,884	2,212	188	100	NM	1	36	26
North Dakota	2,900	2,932	-1.1%	2,472	2,614	413	310	NM	0	NM	9
South Dakota	962	985	-2.4%	740	778	221	207	NM	0	0	0
South Atlantic	58,838	56,716	3.7%	47,733	45,195	9,527	9,943	81	55	1,497	1,524
Delaware	529	509	4.0%	NM	1	452	469	NM	0	76	39
District of Columbia	NM	4	NM	0	0	0	0	NM	4	0	0
Florida	16,545	15,059	9.9%	15,048	13,766	1,076	870	NM	5	416	418
Georgia	9,175	8,899	3.1%	8,313	7,709	482	766	NM	4	377	420
Maryland	2,906	3,663	-20.7%	NM	NM	2,860	3,612	NM	16	25	33
North Carolina	10,101	9,207	9.7%	9,010	8,483	895	507	10	4	186	212
South Carolina	6,840	7,097	-3.6%	6,568	6,843	127	95	NM	0	145	158
Virginia	6,178	5,071	21.8%	4,918	4,076	1,045	793	37	21	178	181
West Virginia	6,559	7,208	-9.0%	3,875	4,316	2,591	2,830	0	0	94	62
East South Central	27,548	29,727	-7.3%	23,838	25,804	2,851	3,063	NM	14	844	846
Alabama	11,898	11,529	3.2%	9,168	8,693	2,385	2,492	0	0	345	344
Kentucky	6,539	7,380	-11.4%	6,483	7,346	NM	3	0	0	55	31
Mississippi	3,915	3,976	-1.5%	3,254	3,165	455	559	NM	1	204	251
Tennessee	5,197	6,843	-24.1%	4,933	6,601	10	10	NM	12	240	220
West South Central	50,292	46,974	7.1%	17,621	16,500	26,525	24,382	56	47	6,090	6,044
Arkansas	4,214	4,629	-9.0%	3,509	3,138	551	1,319	NM	1	154	171
Louisiana	7,938	7,187	10.5%	3,560	3,497	1,760	1,348	NM	3	2,614	2,338
Oklahoma	5,569	4,790	16.3%	3,981	3,512	1,513	1,204	0	0	75	74
Texas	32,572	30,369	7.3%	6,571	6,354	22,701	20,510	51	44	3,248	3,461
Mountain	28,406	28,537	-0.5%	22,435	22,755	5,677	5,535	30	21	264	226
Arizona	7,245	7,568	-4.3%	6,182	6,892	1,053	671	10	5	0	0
Colorado	4,218	3,977	6.0%	3,299	3,164	911	805	NM	2	5	6
Idaho	1,146	844	35.7%	639	462	461	327	0	0	45	55
Montana	2,093	2,752	-23.9%	607	669	1,486	2,083	0	0	NM	1
Nevada	2,573	2,708	-5.0%	1,736	1,915	807	768	7	7	23	18
New Mexico	3,040	2,759	10.2%	2,532	2,351	502	404	7	5	NM	0
Utah	3,576	3,260	9.7%	3,327	3,050	157	161	3	3	88	46
Wyoming	4,514	4,668	-3.3%	4,114	4,252	300	316	0	0	100	100
Pacific Contiguous	28,995	28,039	3.4%	16,017	16,893	11,196	9,482	260	251	1,523	1,414
California	15,581	15,153	2.8%	5,340	6,197	8,634	7,464	254	244	1,353	1,248
Oregon	4,880	4,599	6.1%	3,406	3,560	1,417	974	NM	6	52	59
Washington	8,534	8,287	3.0%	7,270	7,136	1,145	1,044	NM	1	118	107
Pacific Noncontiguous	1,334	1,465	-9.0%	914	1,047	345	328	43	50	31	40
Alaska	520	627	-17.0%	479	572	24	22	11	25	NM	7
Hawaii	813	838	-3.0%	436	474	321	306	32	25	24	33
U.S. Total	313,752	305,975	2.5%	179,433	178,834	121,164	114,213	928	876	12,227	12,052

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 November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	106,528	111,105	-4.1%	3,428	2,823	97,043	102,442	1,130	1,079	4,927	4,762
Connecticut	32,290	32,937	-2.0%	41	34	31,627	32,237	333	362	288	305
Maine	12,746	13,234	-3.7%	NM	0	8,627	9,383	216	191	3,902	3,661
Massachusetts	31,276	33,859	-7.6%	601	550	29,529	32,131	467	430	679	749
New Hampshire	17,954	17,348	3.5%	1,943	1,691	15,916	15,585	63	45	NM	27
Rhode Island	6,002	7,812	-23.2%	10	10	5,945	7,753	47	49	0	0
Vermont	6,260	5,915	5.8%	833	538	5,399	5,354	NM	3	NM	21
Middle Atlantic	390,417	388,838	0.4%	31,331	32,268	353,438	351,155	1,874	1,791	3,773	3,625
New Jersey	59,540	60,539	-1.7%	-107	-80	58,481	59,411	538	496	628	712
New York	123,652	124,557	-0.7%	30,451	31,433	91,352	91,296	1,013	964	836	864
Pennsylvania	207,225	203,743	1.7%	988	915	203,606	200,448	324	331	2,309	2,049
East North Central	563,134	561,642	0.3%	292,853	281,736	258,985	268,303	1,702	1,901	9,594	9,703
Illinois	184,480	179,966	2.5%	10,558	11,406	171,104	165,684	440	452	2,378	2,424
Indiana	100,107	104,773	-4.5%	87,167	91,071	9,839	10,490	204	212	2,897	3,001
Michigan	95,126	99,994	-4.9%	75,091	73,938	17,944	23,920	766	891	1,325	1,245
Ohio	123,827	118,320	4.7%	77,999	68,081	44,341	48,759	251	278	1,235	1,202
Wisconsin	59,594	58,589	1.7%	42,038	37,240	15,757	19,450	41	67	1,759	1,832
West North Central	302,086	298,353	1.3%	261,751	263,154	35,886	31,075	510	516	3,940	3,609
Iowa	51,794	51,603	0.4%	38,262	39,465	11,330	10,065	194	189	2,007	1,884
Kansas	44,319	40,207	10.2%	36,319	36,366	7,924	3,777	0	0	76	63
Minnesota	46,387	47,385	-2.1%	37,158	38,294	7,801	7,742	148	159	1,279	1,189
Missouri	84,176	83,670	0.6%	81,903	80,760	2,063	2,713	153	151	57	47
Nebraska	33,753	31,098	8.5%	31,943	29,819	1,422	951	15	16	373	312
North Dakota	32,167	33,144	-2.9%	28,585	29,289	3,434	3,742	NM	0	148	114
South Dakota	9,491	11,245	-15.6%	7,580	9,160	1,911	2,086	NM	0	0	0
South Atlantic	693,448	687,281	0.9%	566,307	555,201	109,147	114,264	864	647	17,130	17,169
Delaware	7,083	8,029	-11.8%	NM	12	6,182	7,302	NM	3	888	712
District of Columbia	55	67	-18.2%	0	0	0	9	55	58	0	0
Florida	202,997	203,929	-0.5%	185,118	183,364	13,020	15,588	61	59	4,798	4,918
Georgia	110,509	112,860	-2.1%	97,211	93,145	8,897	15,372	30	26	4,370	4,317
Maryland	32,190	34,817	-7.5%	19	8	31,629	34,070	239	225	303	514
North Carolina	114,343	106,926	6.9%	100,142	98,761	11,881	5,954	62	43	2,259	2,166
South Carolina	86,852	89,307	-2.7%	83,639	85,604	1,552	1,901	NM	0	1,659	1,802
Virginia	70,201	64,827	8.3%	58,161	51,273	9,824	11,511	411	232	1,804	1,811
West Virginia	69,216	66,520	4.1%	42,008	43,034	26,161	22,556	0	0	1,048	929
East South Central	340,190	343,939	-1.1%	294,550	286,682	35,468	47,661	181	171	9,992	9,425
Alabama	137,493	140,034	-1.8%	104,441	98,806	29,056	37,335	0	0	3,997	3,893
Kentucky	81,689	82,134	-0.5%	81,079	81,369	205	324	0	0	406	441
Mississippi	48,402	50,677	-4.5%	39,630	38,000	6,115	9,900	NM	20	2,639	2,757
Tennessee	72,605	71,094	2.1%	69,400	68,507	92	101	162	150	2,950	2,335
West South Central	611,720	624,016	-2.0%	223,604	229,900	320,846	327,887	698	714	66,573	65,515
Arkansas	55,370	59,962	-7.7%	41,710	40,339	11,883	17,855	NM	6	1,772	1,762
Louisiana	92,429	95,197	-2.9%	45,575	48,118	19,930	21,668	39	41	26,884	25,369
Oklahoma	67,083	72,648	-7.7%	48,602	52,986	17,643	18,873	NM	10	824	780
Texas	396,839	396,208	0.2%	87,717	88,457	271,390	269,490	639	657	37,093	37,604
Mountain	342,505	336,519	1.8%	268,045	265,214	71,253	67,846	343	335	2,865	3,125
Arizona	100,846	102,646	-1.8%	83,730	85,150	17,003	17,187	114	116	0	193
Colorado	48,497	47,918	1.2%	37,109	37,919	11,292	9,910	35	23	61	66
Idaho	14,475	14,368	0.7%	9,396	10,022	4,610	3,809	0	0	469	537
Montana	25,331	25,000	1.3%	6,915	7,696	18,406	17,296	0	0	9	8
Nevada	33,446	32,147	4.0%	23,029	22,139	10,105	9,680	90	85	221	243
New Mexico	33,384	33,490	-0.3%	27,907	28,070	5,403	5,345	71	75	NM	0
Utah	38,910	35,977	8.2%	36,094	33,170	1,711	1,801	34	35	1,071	970
Wyoming	47,616	44,973	5.9%	43,865	41,049	2,722	2,816	0	0	1,030	1,108
Pacific Contiguous	341,241	345,755	-1.3%	203,226	216,004	119,549	111,056	2,695	2,737	15,771	15,959
California	183,270	184,168	-0.5%	72,686	76,075	94,060	91,266	2,637	2,667	13,887	14,160
Oregon	54,515	55,419	-1.6%	39,576	42,884	14,314	11,919	55	63	570	553
Washington	103,456	106,168	-2.6%	90,964	97,045	11,175	7,871	NM	7	1,314	1,245
Pacific Noncontiguous	14,584	15,681	-7.0%	10,098	11,307	3,687	3,385	469	524	330	464
Alaska	5,612	6,334	-11.4%	5,175	5,807	228	197	141	252	68	79
Hawaii	8,972	9,347	-4.0%	4,922	5,500	3,460	3,188	328	273	261	385
U.S. Total	3,705,853	3,713,130	-0.2%	2,155,191	2,144,288	1,405,302	1,425,073	10,467	10,413	134,893	133,355

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, November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	422	396	6.6%	31	110	386	282	0	0	NM	4
Connecticut	46	47	-2.7%	0	0	46	47	0	0	0	0
Maine	5	5	-0.4%	0	0	3	3	0	0	2	1
Massachusetts	340	234	45.3%	0	0	337	231	0	0	NM	3
New Hampshire	31	110	-71.5%	31	110	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	6,080	7,535	-19.3%	NM	0	6,004	7,481	NM	1	72	53
New Jersey	126	142	-11.1%	0	0	126	142	0	0	0	0
New York	175	454	-61.4%	NM	0	149	431	0	0	23	22
Pennsylvania	5,779	6,940	-16.7%	0	0	5,729	6,908	NM	1	49	31
East North Central	28,765	28,839	-0.3%	20,849	21,342	7,642	7,210	9	18	264	269
Illinois	6,746	7,079	-4.7%	838	845	5,752	6,075	NM	7	153	152
Indiana	7,370	8,082	-8.8%	6,870	7,693	490	375	6	10	NM	4
Michigan	4,668	4,523	3.2%	4,611	4,472	34	29	0	1	23	21
Ohio	6,891	6,122	12.6%	5,502	5,372	1,366	731	NM	0	23	18
Wisconsin	3,089	3,033	1.8%	3,028	2,959	0	0	NM	0	61	74
West North Central	16,923	17,546	-3.6%	16,610	17,276	0	0	21	18	292	252
Iowa	2,173	3,110	-30.1%	1,973	2,946	0	0	13	12	187	151
Kansas	2,121	2,273	-6.7%	2,121	2,273	0	0	0	0	0	0
Minnesota	1,901	1,990	-4.5%	1,842	1,923	0	0	0	0	58	67
Missouri	6,022	5,506	9.4%	6,010	5,496	0	0	8	6	NM	4
Nebraska	2,221	2,096	6.0%	2,187	2,073	0	0	0	0	35	23
North Dakota	2,224	2,321	-4.2%	2,216	2,314	0	0	0	0	NM	7
South Dakota	262	251	4.1%	262	251	0	0	0	0	0	0
South Atlantic	22,357	22,916	-2.4%	17,976	17,703	4,179	5,014	7	4	195	195
Delaware	145	175	-16.9%	0	0	145	175	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,482	3,044	14.4%	3,356	3,014	107	6	0	0	NM	23
Georgia	2,881	2,498	15.3%	2,851	2,456	0	0	0	0	30	42
Maryland	1,349	1,898	-28.9%	0	0	1,337	1,883	NM	1	10	14
North Carolina	4,217	4,850	-13.0%	4,048	4,659	143	172	5	3	NM	16
South Carolina	2,226	2,200	1.2%	2,212	2,191	0	0	0	0	14	9
Virginia	1,786	1,285	39.0%	1,691	1,119	54	106	NM	1	42	59
West Virginia	6,270	6,968	-10.0%	3,818	4,264	2,392	2,673	0	0	60	31
East South Central	12,604	15,300	-17.6%	12,248	14,910	247	284	NM	2	107	105
Alabama	3,620	4,102	-11.7%	3,604	4,083	0	0	0	0	16	18
Kentucky	6,160	6,933	-11.2%	6,160	6,933	0	0	0	0	0	0
Mississippi	591	580	1.9%	343	296	247	284	0	0	0	0
Tennessee	2,234	3,686	-39.4%	2,141	3,598	0	0	NM	2	90	86
West South Central	16,464	17,805	-7.5%	9,074	9,242	7,349	8,517	0	0	41	45
Arkansas	2,015	2,052	-1.8%	1,897	1,703	112	338	0	0	6	11
Louisiana	1,333	2,058	-35.2%	666	1,251	668	807	0	0	0	0
Oklahoma	2,603	2,105	23.7%	2,361	1,886	207	185	0	0	35	34
Texas	10,513	11,590	-9.3%	4,151	4,402	6,362	7,188	0	0	0	0
Mountain	16,458	16,983	-3.1%	15,164	15,108	1,217	1,826	0	0	77	49
Arizona	3,392	3,358	1.0%	3,392	3,358	0	0	0	0	0	0
Colorado	2,794	2,743	1.9%	2,782	2,732	NM	10	0	0	NM	1
Idaho	NM	12	NM	0	0	0	0	0	0	NM	12
Montana	1,023	1,623	-36.9%	NM	26	1,000	1,596	0	0	NM	1
Nevada	327	495	-34.0%	217	373	109	122	0	0	0	0
New Mexico	2,132	2,014	5.9%	2,132	2,014	0	0	0	0	0	0
Utah	2,829	2,644	7.0%	2,757	2,607	NM	37	0	0	33	0
Wyoming	3,954	4,095	-3.5%	3,860	3,998	NM	62	0	0	37	35
Pacific Contiguous	1,191	1,217	-2.1%	395	384	762	795	0	0	35	37
California	59	60	-2.1%	0	0	28	27	0	0	30	34
Oregon	395	384	2.8%	395	384	0	0	0	0	0	0
Washington	737	772	-4.5%	0	0	733	769	0	0	4	4
Pacific Noncontiguous	167	189	-11.3%	16	18	138	143	10	24	NM	4
Alaska	45	60	-25.8%	16	18	19	18	10	24	0	0
Hawaii	123	128	-4.5%	0	0	120	125	0	0	NM	4
U.S. Total	121,431	128,727	-5.7%	92,366	96,094	27,924	31,554	51	67	1,090	1,012

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	5,084	3,397	49.6%	1,208	1,008	3,822	2,354	0	0	54	35
Connecticut	471	577	-18.3%	0	0	471	577	0	0	0	0
Maine	53	40	34.6%	0	0	30	27	0	0	24	13
Massachusetts	3,352	1,773	89.0%	0	0	3,321	1,751	0	0	31	22
New Hampshire	1,208	1,008	19.9%	1,208	1,008	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	88,260	85,393	3.4%	NM	36	87,488	84,719	15	10	715	628
New Jersey	1,853	1,795	3.3%	0	0	1,853	1,795	0	0	0	0
New York	4,291	4,134	3.8%	NM	36	3,969	3,806	0	0	279	292
Pennsylvania	82,116	79,465	3.3%	0	0	81,665	79,118	15	10	436	336
East North Central	337,637	313,585	7.7%	246,545	227,465	87,982	83,022	267	284	2,843	2,815
Illinois	79,539	73,261	8.6%	9,896	9,884	68,016	61,744	48	46	1,579	1,587
Indiana	84,157	84,047	0.1%	79,194	78,592	4,798	5,290	117	121	48	44
Michigan	51,605	48,426	6.6%	50,956	47,814	317	315	94	113	237	185
Ohio	85,731	77,876	10.1%	70,647	61,982	14,851	15,673	NM	2	230	218
Wisconsin	36,606	29,976	22.1%	35,851	29,194	0	0	NM	2	749	780
West North Central	200,921	194,666	3.2%	197,591	191,705	0	0	245	207	3,085	2,754
Iowa	30,499	32,110	-5.0%	28,374	30,149	0	0	158	147	1,967	1,814
Kansas	27,205	25,412	7.1%	27,205	25,412	0	0	0	0	0	0
Minnesota	20,851	20,188	3.3%	20,228	19,644	0	0	0	0	622	545
Missouri	69,961	65,912	6.1%	69,821	65,812	0	0	88	60	53	41
Nebraska	24,366	22,653	7.6%	24,007	22,352	0	0	0	0	359	301
North Dakota	25,340	25,773	-1.7%	25,256	25,720	0	0	0	0	84	53
South Dakota	2,699	2,618	3.1%	2,699	2,618	0	0	0	0	0	0
South Atlantic	246,006	245,693	0.1%	200,280	202,524	43,641	40,945	50	43	2,034	2,181
Delaware	1,467	1,328	10.5%	0	0	1,467	1,328	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	42,663	41,008	4.0%	41,115	39,348	1,342	1,451	0	0	206	209
Georgia	36,447	38,526	-5.4%	36,016	38,051	0	0	0	0	431	474
Maryland	14,165	14,926	-5.1%	0	0	14,023	14,761	13	9	129	156
North Carolina	43,610	47,072	-7.4%	41,770	45,205	1,587	1,598	28	25	225	244
South Carolina	22,338	26,165	-14.6%	22,196	25,991	0	26	0	0	142	148
Virginia	19,329	13,012	48.6%	17,838	11,497	982	931	NM	8	500	575
West Virginia	65,985	63,656	3.7%	41,345	42,431	24,240	20,851	0	0	400	375
East South Central	157,613	155,839	1.1%	153,636	152,121	2,658	2,465	22	19	1,296	1,234
Alabama	43,332	41,755	3.8%	43,144	41,547	0	27	0	0	189	181
Kentucky	75,718	75,441	0.4%	75,718	75,441	0	0	0	0	0	0
Mississippi	7,959	6,663	19.4%	5,301	4,226	2,658	2,437	0	0	0	0
Tennessee	30,603	31,979	-4.3%	29,473	30,907	0	0	22	19	1,107	1,054
West South Central	210,833	198,456	6.2%	113,528	109,068	96,822	88,958	0	0	483	430
Arkansas	28,854	25,772	12.0%	25,252	21,715	3,519	3,969	0	0	83	88
Louisiana	19,147	19,336	-1.0%	9,151	9,919	9,991	9,416	0	0	NM	0
Oklahoma	27,225	26,878	1.3%	25,186	24,985	1,644	1,551	0	0	395	342
Texas	135,607	126,471	7.2%	53,939	52,450	81,668	74,021	0	0	0	0
Mountain	185,287	174,140	6.4%	168,584	158,699	15,724	14,400	0	0	979	1,041
Arizona	39,682	36,388	9.1%	39,682	36,203	0	0	0	0	0	185
Colorado	30,969	31,336	-1.2%	30,840	31,198	122	131	0	0	NM	8
Idaho	70	65	7.5%	0	0	0	0	0	0	70	65
Montana	13,556	12,489	8.5%	249	228	13,297	12,253	0	0	9	8
Nevada	4,748	3,634	30.7%	3,498	2,631	1,250	1,003	0	0	0	0
New Mexico	22,499	22,764	-1.2%	22,499	22,764	0	0	0	0	0	0
Utah	31,414	28,057	12.0%	30,481	27,272	406	379	0	0	528	405
Wyoming	42,348	39,406	7.5%	41,336	38,403	648	634	0	0	364	370
Pacific Contiguous	10,306	6,766	52.3%	3,357	2,291	6,592	4,103	0	0	357	373
California	1,052	1,294	-18.7%	0	0	726	952	0	0	326	341
Oregon	3,357	2,291	46.6%	3,357	2,291	0	0	0	0	0	0
Washington	5,897	3,182	85.3%	0	0	5,866	3,151	0	0	31	31
Pacific Noncontiguous	1,749	2,028	-13.8%	173	196	1,409	1,555	132	244	35	33
Alaska	486	624	-22.1%	173	196	181	183	132	244	0	0
Hawaii	1,263	1,405	-10.1%	0	0	1,228	1,371	0	0	35	33
U.S. Total	1,443,694	1,379,964	4.6%	1,084,945	1,045,112	346,138	322,522	730	806	11,882	11,524

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, November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	25	32	-22.7%	5	4	14	22	4	3	1	3
Connecticut	3	4	-9.5%	0	0	3	3	NM	0	NM	0
Maine	2	13	-84.9%	NM	0	1	13	NM	0	1	0
Massachusetts	13	13	5.3%	2	2	8	6	3	2	NM	2
New Hampshire	5	1	453.7%	2	1	2	0	NM	0	NM	0
Rhode Island	NM	1	NM	1	1	0	0	NM	1	0	0
Vermont	NM	0	NM	NM	0	0	0	NM	0	0	0
Middle Atlantic	34	68	-49.8%	7	15	25	42	NM	4	0	7
New Jersey	1	1	40.7%	NM	0	1	1	NM	0	NM	0
New York	15	40	-61.6%	6	15	7	16	NM	3	0	6
Pennsylvania	17	27	-35.2%	NM	0	17	26	NM	0	NM	0
East North Central	46	59	-21.6%	36	46	8	12	NM	0	2	1
Illinois	6	9	-34.6%	2	2	4	7	NM	0	NM	0
Indiana	10	9	9.3%	9	9	NM	0	NM	0	1	0
Michigan	9	10	-9.1%	9	10	0	0	0	0	NM	0
Ohio	19	24	-22.6%	14	19	4	5	NM	0	NM	0
Wisconsin	3	7	-61.4%	2	6	NM	0	NM	0	NM	0
West North Central	16	22	-28.6%	15	22	0	0	NM	0	NM	0
Iowa	-2	7	-129.4%	-2	7	NM	0	NM	0	NM	0
Kansas	3	6	-48.2%	3	6	0	0	0	0	0	0
Minnesota	3	1	401.3%	3	0	NM	0	NM	0	NM	0
Missouri	6	3	102.4%	6	3	0	0	NM	0	0	0
Nebraska	2	1	43.1%	2	1	0	0	0	0	0	0
North Dakota	4	4	-10.0%	4	4	0	0	NM	0	NM	0
South Dakota	NM	0	NM	NM	0	NM	0	NM	0	0	0
South Atlantic	119	74	59.9%	95	53	14	9	NM	1	8	10
Delaware	NM	1	NM	NM	0	0	1	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	35	13	166.8%	32	10	1	1	0	0	NM	2
Georgia	11	2	450.6%	7	-2	1	0	NM	0	3	3
Maryland	9	6	46.2%	1	0	7	4	NM	1	0	0
North Carolina	26	16	64.4%	24	14	NM	1	NM	0	NM	1
South Carolina	10	9	7.1%	10	9	0	0	NM	0	1	1
Virginia	12	14	-11.2%	7	10	4	2	0	0	NM	3
West Virginia	15	13	17.5%	15	13	0	0	0	0	0	0
East South Central	27	25	8.9%	24	23	NM	0	NM	0	NM	2
Alabama	6	8	-23.4%	3	6	NM	0	0	0	NM	2
Kentucky	14	8	67.1%	14	8	0	0	0	0	0	0
Mississippi	1	1	82.5%	1	0	0	0	0	0	0	0
Tennessee	6	8	-25.9%	6	8	0	0	NM	0	NM	0
West South Central	18	13	37.4%	5	8	11	4	NM	0	1	0
Arkansas	3	4	-33.3%	1	4	2	1	0	0	0	0
Louisiana	7	2	330.4%	1	0	6	1	0	0	1	0
Oklahoma	1	1	-35.7%	1	1	0	0	0	0	NM	0
Texas	7	6	20.1%	3	3	4	3	NM	0	NM	0
Mountain	23	20	15.0%	21	19	2	1	NM	0	NM	0
Arizona	7	5	46.1%	7	5	0	0	NM	0	0	0
Colorado	1	1	-2.6%	1	1	0	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	1	0	234.6%	NM	0	1	0	0	0	0	0
Nevada	2	1	49.3%	1	1	1	0	0	0	0	0
New Mexico	6	5	7.9%	6	5	NM	0	0	0	NM	0
Utah	3	4	-21.7%	3	4	NM	0	0	0	NM	0
Wyoming	3	3	-9.2%	3	3	0	0	0	0	NM	0
Pacific Contiguous	NM	11	NM	3	4	1	1	NM	6	2	1
California	NM	9	NM	3	3	0	0	NM	6	0	0
Oregon	0	0	-49.7%	0	0	0	0	0	0	0	0
Washington	3	2	24.7%	NM	0	1	1	NM	0	2	1
Pacific Noncontiguous	636	662	-4.0%	494	523	134	121	NM	1	7	17
Alaska	66	72	-7.5%	62	67	0	0	NM	1	3	3
Hawaii	569	590	-3.6%	431	455	134	121	0	0	4	14
U.S. Total	956	986	-3.1%	706	717	210	213	16	15	25	41

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

Census Division and State	Electric Power Sector											
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector		
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	
New England	764	401	90.5%	128	51	531	262	74	46	31	43	
Connecticut	222	110	102.0%	4	4	214	102	NM	0	NM	3	
Maine	175	81	116.8%	NM	0	158	62	NM	2	13	16	
Massachusetts	254	169	50.6%	59	15	138	97	45	34	13	23	
New Hampshire	73	21	240.1%	53	19	NM	0	NM	2	NM	0	
Rhode Island	35	17	107.7%	10	10	18	0	NM	7	0	0	
Vermont	NM	3	NM	4	2	0	0	NM	1	0	0	
Middle Atlantic	1,256	819	53.3%	437	320	728	411	NM	23	69	66	
New Jersey	95	30	217.3%	NM	4	89	24	NM	1	NM	2	
New York	890	561	58.5%	434	316	374	163	NM	20	63	63	
Pennsylvania	271	228	18.8%	NM	0	265	225	NM	1	NM	2	
East North Central	554	566	-2.0%	442	468	97	83	NM	2	13	12	
Illinois	71	66	7.6%	26	22	46	44	NM	0	NM	0	
Indiana	125	106	18.3%	118	100	NM	0	NM	0	7	6	
Michigan	126	130	-3.0%	122	125	0	0	1	1	3	3	
Ohio	204	227	-10.2%	152	187	49	37	NM	0	NM	2	
Wisconsin	28	38	-24.1%	25	34	2	2	NM	0	NM	1	
West North Central	255	270	-5.4%	249	259	2	6	NM	1	3	2	
Iowa	62	81	-23.2%	61	79	1	1	NM	0	NM	0	
Kansas	49	31	58.7%	49	31	0	0	0	0	0	0	
Minnesota	20	29	-30.6%	17	22	1	4	NM	1	NM	1	
Missouri	62	69	-10.4%	62	69	0	0	NM	0	0	0	
Nebraska	23	22	2.6%	23	22	0	0	0	0	0	0	
North Dakota	30	32	-4.2%	29	31	0	0	NM	0	NM	1	
South Dakota	8	5	51.9%	8	5	NM	1	NM	0	0	0	
South Atlantic	1,450	1,707	-15.1%	1,095	1,309	208	249	26	17	120	132	
Delaware	22	21	9.5%	NM	1	21	20	0	0	0	0	
District of Columbia	0	9	-100.0%	0	0	0	9	0	0	0	0	
Florida	474	702	-32.4%	436	654	5	9	0	0	34	39	
Georgia	70	89	-21.0%	24	46	NM	1	1	1	44	41	
Maryland	142	131	8.5%	7	6	110	103	NM	14	1	7	
North Carolina	201	169	19.0%	183	152	9	6	NM	0	9	11	
South Carolina	100	102	-2.2%	92	93	0	2	NM	0	8	8	
Virginia	306	353	-13.4%	220	228	61	98	1	1	24	26	
West Virginia	134	131	2.2%	133	130	1	1	0	0	0	0	
East South Central	322	345	-6.7%	276	309	1	1	NM	0	45	34	
Alabama	95	97	-2.6%	53	65	1	1	0	0	41	31	
Kentucky	107	98	9.8%	107	98	0	0	0	0	0	0	
Mississippi	13	16	-20.8%	10	13	0	0	0	0	3	3	
Tennessee	107	133	-20.0%	106	133	0	0	NM	0	NM	0	
West South Central	175	154	13.4%	66	60	90	83	NM	1	18	11	
Arkansas	38	29	33.3%	23	16	14	12	0	0	1	1	
Louisiana	50	30	65.0%	11	8	25	14	0	0	15	8	
Oklahoma	8	10	-18.3%	8	10	0	0	NM	0	NM	0	
Texas	78	85	-8.0%	25	26	52	57	NM	1	NM	1	
Mountain	-24	202	-112.0%	-45	178	17	18	NM	0	4	6	
Arizona	-180	40	-552.6%	-180	39	0	0	NM	0	0	1	
Colorado	8	9	-10.5%	8	10	0	0	0	0	NM	0	
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0	
Montana	12	12	-0.7%	NM	0	12	12	0	0	0	0	
Nevada	17	17	3.3%	14	12	4	5	0	0	0	0	
New Mexico	46	40	16.9%	46	39	NM	1	0	0	NM	0	
Utah	33	36	-9.7%	32	35	NM	1	0	0	NM	0	
Wyoming	39	48	-18.0%	35	44	0	0	0	0	4	4	
Pacific Contiguous	NM	154	NM	38	42	12	20	NM	80	19	13	
California	NM	125	NM	30	31	4	12	NM	80	7	2	
Oregon	5	5	0.7%	5	5	0	0	0	0	0	0	
Washington	23	24	-4.6%	NM	5	8	8	NM	0	12	11	
Pacific Noncontiguous	7,089	7,549	-6.1%	5,528	6,141	1,467	1,208	8	6	86	194	
Alaska	697	927	-24.8%	654	882	0	0	7	5	36	40	
Hawaii	6,392	6,622	-3.5%	4,874	5,259	1,467	1,208	2	1	50	154	
U.S. Total	11,989	12,167	-1.5%	8,215	9,137	3,152	2,342	NM	176	407	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 1.9.A. Net Generation from Petroleum Coke
by State, by Sector, November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 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	17	8	115.1%	0	0	0	0	0	0	17	8
New Jersey	NM	4	NM	0	0	0	0	0	0	NM	4
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	4	NM	0	0	0	0	0	0	NM	4
East North Central	351	114	207.4%	218	0	105	83	0	0	28	31
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	136	0	--	136	0	0	0	0	0	0	0
Michigan	96	16	498.3%	81	0	7	6	0	0	NM	10
Ohio	98	77	27.7%	0	0	98	77	0	0	NM	0
Wisconsin	20	21	-4.2%	2	0	0	0	0	0	19	21
West North Central	0	1	-22.2%	0	0	0	0	0	1	0	0
Iowa	0	1	-26.1%	0	0	0	0	0	1	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	48	58	-17.9%	40	35	0	0	0	0	8	23
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	40	35	15.2%	40	35	0	0	0	0	0	0
Georgia	8	23	-67.5%	0	0	0	0	0	0	8	23
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	80	143	-43.9%	80	143	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	80	143	-43.9%	80	143	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	312	453	-31.2%	270	276	1	0	0	0	41	177
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	295	305	-3.4%	270	276	0	0	0	0	24	29
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	17	148	-88.5%	0	0	1	0	0	0	17	148
Mountain	38	42	-9.4%	0	0	38	42	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	38	42	-9.4%	0	0	38	42	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	851	824	3.4%	609	454	149	130	0	1	93	239

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 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	259	67	285.4%	0	0	0	0	0	0	259	67
New Jersey	NM	37	NM	0	0	0	0	0	0	NM	37
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	188	30	522.5%	0	0	0	0	0	0	188	30
East North Central	2,877	2,205	30.5%	1,423	886	1,104	1,007	0	0	350	312
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1,253	831	50.7%	1,253	831	0	0	0	0	0	0
Michigan	319	174	83.4%	120	0	63	67	0	0	136	107
Ohio	1,058	943	12.3%	0	0	1,041	940	0	0	NM	2
Wisconsin	247	258	-4.0%	51	55	0	0	0	0	197	202
West North Central	5	17	-72.0%	0	12	0	0	5	5	0	0
Iowa	5	17	-72.1%	0	12	0	0	5	5	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	2,182	924	136.1%	1,991	641	0	0	0	0	191	284
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	1,991	641	210.8%	1,991	641	0	0	0	0	0	0
Georgia	191	284	-32.7%	0	0	0	0	0	0	191	284
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	1,191	1,282	-7.1%	1,191	1,282	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	1,191	1,282	-7.1%	1,191	1,282	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	5,434	3,928	38.3%	4,173	2,410	98	55	0	0	1,162	1,463
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	4,582	2,682	70.8%	4,173	2,410	0	0	0	0	409	273
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	852	1,246	-31.7%	0	0	98	55	0	0	753	1,191
Mountain	406	412	-1.5%	0	0	406	412	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	406	412	-1.5%	0	0	406	412	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	94	151	-37.7%	0	0	94	151	0	0	0	0
California	94	151	-37.7%	0	0	94	151	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	12,448	8,987	38.5%	8,779	5,231	1,702	1,625	5	5	1,962	2,126

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.A. Net Generation from Natural Gas
by State, by Sector, November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	3,586	4,379	-18.1%	10	26	3,314	4,078	70	77	192	198
Connecticut	1,215	1,606	-24.3%	1	1	1,166	1,534	NM	39	NM	33
Maine	395	385	2.7%	0	0	234	231	NM	2	159	152
Massachusetts	1,288	1,627	-20.9%	8	23	1,233	1,559	37	33	NM	12
New Hampshire	332	309	7.3%	0	2	328	305	NM	1	NM	1
Rhode Island	356	452	-21.2%	0	0	353	449	NM	3	0	0
Vermont	0	0	-10.1%	0	0	0	0	0	0	0	0
Middle Atlantic	9,640	9,982	-3.4%	970	1,041	8,501	8,752	70	74	100	114
New Jersey	1,995	1,424	40.1%	NM	3	1,949	1,377	NM	10	NM	35
New York	3,783	4,676	-19.1%	969	1,038	2,747	3,559	48	57	NM	22
Pennsylvania	3,862	3,882	-0.5%	0	0	3,805	3,816	NM	8	50	57
East North Central	4,192	4,480	-6.4%	1,474	1,569	2,524	2,754	107	87	87	70
Illinois	345	460	-25.1%	7	4	282	409	35	34	NM	14
Indiana	708	854	-17.1%	561	612	113	210	NM	5	30	27
Michigan	811	963	-15.8%	176	128	572	781	NM	41	NM	13
Ohio	1,770	1,527	16.0%	493	479	1,251	1,038	NM	4	NM	7
Wisconsin	558	676	-17.5%	236	347	306	316	NM	3	NM	10
West North Central	892	809	10.3%	785	674	81	106	NM	8	NM	20
Iowa	23	108	-78.5%	20	97	NM	0	NM	1	NM	10
Kansas	NM	67	NM	NM	66	0	0	0	0	NM	2
Minnesota	479	383	25.0%	397	280	65	91	NM	7	NM	5
Missouri	182	236	-22.9%	165	221	16	15	1	0	NM	0
Nebraska	32	14	127.4%	31	11	0	0	NM	0	NM	3
North Dakota	NM	1	NM	NM	0	0	0	0	0	NM	1
South Dakota	62	0	NM	62	0	0	0	0	0	0	0
South Atlantic	18,153	17,451	4.0%	14,744	14,408	3,091	2,782	NM	17	298	243
Delaware	359	317	13.2%	0	0	299	285	0	0	60	31
District of Columbia	NM	4	NM	0	0	0	0	NM	4	0	0
Florida	10,136	9,915	2.2%	9,329	9,254	691	569	NM	2	114	90
Georgia	2,901	2,950	-1.7%	2,396	2,126	430	743	0	0	75	81
Maryland	79	314	-74.7%	0	0	61	296	NM	11	NM	6
North Carolina	2,126	1,047	103.0%	1,514	832	602	208	1	0	8	7
South Carolina	694	1,347	-48.5%	565	1,256	121	83	0	0	8	8
Virginia	1,850	1,544	19.8%	938	937	884	588	0	0	27	19
West Virginia	NM	13	NM	1	2	3	10	0	0	NM	1
East South Central	6,384	6,720	-5.0%	3,611	3,729	2,580	2,756	NM	12	180	224
Alabama	3,761	3,731	0.8%	1,313	1,163	2,373	2,480	0	0	74	88
Kentucky	64	115	-44.4%	45	103	0	2	0	0	NM	9
Mississippi	2,353	2,273	3.5%	2,059	1,872	207	274	NM	1	84	125
Tennessee	207	602	-65.6%	193	590	0	0	NM	11	3	2
West South Central	21,951	19,824	10.7%	4,856	4,681	11,752	10,025	51	43	5,292	5,075
Arkansas	563	1,033	-45.5%	118	41	424	973	NM	0	21	19
Louisiana	4,275	3,692	15.8%	1,070	1,268	977	491	NM	3	2,225	1,930
Oklahoma	1,750	1,818	-3.7%	1,343	1,467	398	344	0	0	NM	6
Texas	15,362	13,280	15.7%	2,325	1,905	9,953	8,216	48	40	3,036	3,119
Mountain	5,484	4,772	14.9%	3,315	3,116	2,035	1,553	25	15	109	87
Arizona	1,303	1,136	14.7%	426	596	868	537	9	4	0	0
Colorado	694	717	-3.2%	456	431	237	285	0	0	NM	1
Idaho	308	142	117.2%	142	17	163	121	0	0	NM	3
Montana	NM	26	NM	NM	25	NM	2	0	0	0	0
Nevada	1,795	1,738	3.3%	1,377	1,364	389	351	5	4	23	18
New Mexico	698	518	34.8%	376	314	315	199	7	5	0	0
Utah	608	457	33.1%	502	368	60	56	3	3	43	30
Wyoming	42	38	8.1%	NM	2	NM	1	0	0	38	36
Pacific Contiguous	12,549	11,418	9.9%	3,968	3,864	7,311	6,356	159	154	1,110	1,044
California	10,104	9,863	2.5%	2,594	3,087	6,259	5,602	156	149	1,096	1,025
Oregon	1,457	1,178	23.7%	489	465	955	696	NM	5	NM	13
Washington	987	377	161.7%	885	312	98	58	NM	0	3	7
Pacific Noncontiguous	278	335	-16.9%	275	331	0	0	NM	0	NM	3
Alaska	278	335	-16.9%	275	331	0	0	NM	0	NM	3
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	83,110	80,169	3.7%	34,008	33,438	41,189	39,163	528	488	7,385	7,080

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 November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	48,779	58,598	-16.8%	230	336	45,545	55,161	814	825	2,190	2,276
Connecticut	14,429	15,147	-4.7%	7	6	13,805	14,479	333	362	284	301
Maine	4,354	5,659	-23.1%	0	0	2,577	3,841	NM	25	1,754	1,793
Massachusetts	20,352	23,518	-13.5%	196	270	19,626	22,711	404	381	126	155
New Hampshire	3,771	6,574	-42.6%	25	58	3,706	6,475	NM	15	NM	27
Rhode Island	5,870	7,697	-23.7%	0	0	5,831	7,656	39	42	0	0
Vermont	3	2	21.8%	3	2	0	0	0	0	0	0
Middle Atlantic	118,749	130,870	-9.3%	11,781	12,438	104,896	116,219	817	830	1,255	1,383
New Jersey	24,984	26,859	-7.0%	NM	30	24,398	26,201	170	183	394	445
New York	48,785	55,162	-11.6%	11,757	12,406	36,261	41,978	552	545	216	233
Pennsylvania	44,980	48,849	-7.9%	NM	3	44,237	48,040	96	103	645	704
East North Central	53,275	77,491	-31.3%	19,576	27,644	31,581	47,565	1,105	1,210	1,012	1,072
Illinois	6,323	10,869	-41.8%	568	1,441	5,094	8,726	389	404	273	298
Indiana	8,225	13,649	-39.7%	5,863	10,823	1,958	2,385	48	51	355	391
Michigan	11,786	21,123	-44.2%	2,523	4,287	8,660	16,237	403	431	202	168
Ohio	19,236	20,962	-8.2%	6,671	5,508	12,236	15,083	244	276	85	95
Wisconsin	7,704	10,889	-29.2%	3,951	5,586	3,633	5,134	NM	48	97	120
West North Central	14,304	18,042	-20.7%	12,020	14,948	1,910	2,667	150	200	225	227
Iowa	1,335	1,818	-26.6%	1,308	1,749	NM	0	NM	11	NM	59
Kansas	2,028	2,811	-27.8%	1,952	2,748	0	0	0	0	76	63
Minnesota	5,829	6,480	-10.1%	4,714	5,201	942	1,109	80	98	93	73
Missouri	4,111	5,947	-30.9%	3,080	4,297	967	1,558	63	91	NM	1
Nebraska	495	768	-35.5%	480	756	0	0	NM	1	NM	11
North Dakota	NM	21	NM	NM	0	0	0	0	0	NM	20
South Dakota	485	197	146.5%	485	197	0	0	0	0	0	0
South Atlantic	230,380	242,959	-5.2%	185,078	189,086	41,793	50,706	247	256	3,262	2,911
Delaware	5,339	6,321	-15.5%	NM	9	4,587	5,837	0	0	747	476
District of Columbia	55	58	-4.8%	0	0	0	0	55	58	0	0
Florida	126,838	138,543	-8.4%	117,144	126,479	8,393	10,781	29	26	1,272	1,257
Georgia	37,917	38,802	-2.3%	28,694	22,926	8,448	15,172	0	0	775	705
Maryland	2,477	4,820	-48.6%	0	0	2,258	4,544	159	168	59	109
North Carolina	25,207	17,674	42.6%	16,488	14,614	8,612	2,990	3	5	104	65
South Carolina	11,397	13,329	-14.5%	9,844	11,501	1,471	1,744	NM	0	81	84
Virginia	20,884	23,174	-9.9%	12,864	13,524	7,809	9,449	0	0	211	200
West Virginia	267	238	12.1%	38	33	216	190	0	0	NM	15
East South Central	77,705	97,587	-20.4%	42,664	49,969	32,527	44,910	156	150	2,358	2,558
Alabama	42,671	51,353	-16.9%	12,930	13,278	28,875	37,133	0	0	866	942
Kentucky	1,386	2,894	-52.1%	982	2,351	196	317	0	0	207	226
Mississippi	29,233	35,968	-18.7%	24,508	27,136	3,456	7,461	NM	20	1,250	1,352
Tennessee	4,415	7,372	-40.1%	4,243	7,205	0	0	137	130	35	38
West South Central	272,923	307,056	-11.1%	72,201	83,880	143,240	166,451	658	677	56,823	56,049
Arkansas	11,332	16,345	-30.7%	2,880	2,368	8,217	13,775	NM	1	235	202
Louisiana	47,644	53,922	-11.6%	16,885	20,825	8,309	11,291	39	41	22,411	21,765
Oklahoma	27,584	37,188	-25.8%	20,005	25,525	7,469	11,557	NM	10	96	97
Texas	186,362	199,600	-6.6%	32,431	35,163	119,246	129,828	604	625	34,081	33,984
Mountain	74,643	79,698	-6.3%	43,620	47,134	29,686	31,115	256	276	1,080	1,173
Arizona	24,408	29,385	-16.9%	9,499	13,461	14,815	15,808	95	110	0	7
Colorado	9,647	9,834	-1.9%	5,390	5,522	4,238	4,294	6	4	13	15
Idaho	2,945	1,803	63.3%	1,374	536	1,531	1,225	0	0	40	42
Montana	410	437	-6.0%	383	413	NM	23	0	0	0	0
Nevada	22,638	23,513	-3.7%	17,033	17,226	5,333	5,992	55	55	218	240
New Mexico	8,264	8,178	1.1%	5,127	5,017	3,066	3,088	67	72	NM	0
Utah	5,857	6,087	-3.8%	4,774	4,933	657	670	34	35	393	450
Wyoming	473	461	2.6%	NM	27	NM	15	0	0	413	420
Pacific Contiguous	128,132	126,284	1.5%	44,228	40,700	71,081	72,646	1,578	1,694	11,245	11,244
California	106,023	110,350	-3.9%	31,584	32,784	61,811	64,849	1,542	1,645	11,087	11,072
Oregon	12,600	10,821	16.4%	4,437	3,862	8,035	6,798	NM	43	94	118
Washington	9,509	5,112	86.0%	8,207	4,054	1,235	999	NM	6	64	53
Pacific Noncontiguous	2,999	3,320	-9.7%	2,968	3,283	0	0	NM	3	NM	34
Alaska	2,999	3,320	-9.7%	2,968	3,283	0	0	NM	3	NM	34
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,021,889	1,141,905	-10.5%	434,366	469,419	502,259	587,438	5,785	6,120	79,479	78,927

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 1.11.A. Net Generation from Other Gases
by State, by Sector, November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 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	69	63	10.3%	0	0	0	0	0	0	69	63
New Jersey	15	13	14.6%	0	0	0	0	0	0	15	13
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	55	50	9.2%	0	0	0	0	0	0	55	50
East North Central	375	311	20.6%	12	0	94	38	0	0	268	273
Illinois	27	25	6.4%	0	0	0	0	0	0	27	25
Indiana	186	196	-5.1%	0	0	0	0	0	0	186	196
Michigan	79	10	708.2%	12	0	66	10	0	0	0	0
Ohio	83	80	4.5%	0	0	28	28	0	0	55	52
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	20	10	92.2%	0	0	0	0	0	0	20	10
Delaware	16	8	110.8%	0	0	0	0	0	0	16	8
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	103.3%	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	4	3	37.2%	0	0	0	0	0	0	4	3
East South Central	5	5	3.9%	0	0	0	0	0	0	5	5
Alabama	5	4	7.5%	0	0	0	0	0	0	5	4
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	-10.4%	0	0	0	0	0	0	1	1
West South Central	394	331	18.8%	0	0	191	140	0	0	203	191
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	189	125	51.0%	0	0	67	20	0	0	122	105
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	205	206	-0.7%	0	0	124	120	0	0	80	86
Mountain	27	24	13.1%	0	0	1	0	0	0	26	23
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	-0.7%	0	0	0	0	0	0	0	0
Nevada	1	0	47.7%	0	0	1	0	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	26	23	12.6%	0	0	0	0	0	0	26	23
Pacific Contiguous	166	127	31.3%	0	0	35	33	0	0	132	94
California	132	94	40.2%	0	0	0	0	0	0	132	94
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	35	33	5.6%	0	0	35	33	0	0	0	0
Pacific Noncontiguous	NM	3	NM	0	0	0	0	0	0	NM	3
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	1,064	875	21.5%	12	0	320	211	0	0	731	664

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 1.11.B. Net Generation from Other Gases
by State, by Sector, Year-to-Date through November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 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	776	677	14.6%	0	0	0	0	0	0	776	677
New Jersey	160	129	23.7%	0	0	0	0	0	0	160	129
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	616	548	12.4%	0	0	0	0	0	0	616	548
East North Central	3,759	3,711	1.3%	61	0	659	614	0	0	3,039	3,096
Illinois	302	265	13.9%	0	0	17	7	0	0	285	258
Indiana	2,162	2,285	-5.4%	0	0	0	0	0	0	2,162	2,285
Michigan	407	286	42.0%	61	0	345	286	0	0	0	0
Ohio	889	875	1.6%	0	0	297	321	0	0	592	554
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	39	34	15.1%	0	0	0	0	0	0	39	34
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	39	34	15.1%	0	0	0	0	0	0	39	34
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	172	384	-55.0%	0	0	0	0	0	0	172	384
Delaware	141	237	-40.3%	0	0	0	0	0	0	141	237
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4	6	-26.2%	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	27	29	-6.5%	0	0	0	0	0	0	27	29
East South Central	110	187	-41.4%	0	0	0	0	0	0	110	187
Alabama	98	174	-44.0%	0	0	0	0	0	0	98	174
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	12	12	-5.5%	0	0	0	0	0	0	12	12
West South Central	4,259	3,851	10.6%	0	0	1,924	1,736	0	0	2,334	2,115
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,952	1,088	79.5%	0	0	576	244	0	0	1,376	844
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	2,307	2,763	-16.5%	0	0	1,348	1,492	0	0	958	1,272
Mountain	259	263	-1.8%	0	0	6	7	0	0	253	257
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	18.9%	0	0	0	0	0	0	0	0
Nevada	6	7	-13.3%	0	0	6	7	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	4	NM	0	0	0	0	0	0	NM	4
Wyoming	248	253	-1.9%	0	0	0	0	0	0	248	253
Pacific Contiguous	1,805	1,782	1.3%	0	0	369	374	0	0	1,436	1,408
California	1,436	1,408	1.9%	0	0	0	0	0	0	1,436	1,408
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	369	374	-1.4%	0	0	369	374	0	0	0	0
Pacific Noncontiguous	45	46	-2.3%	0	0	0	0	0	0	45	46
Alaska	NM	2	NM	0	0	0	0	0	0	NM	2
Hawaii	43	43	-2.0%	0	0	0	0	0	0	43	43
U.S. Total	11,223	10,935	2.6%	61	0	2,958	2,731	0	0	8,203	8,204

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, November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	3,269	2,824	15.8%	0	0	3,269	2,824	0	0	0	0
Connecticut	1,435	1,024	40.1%	0	0	1,435	1,024	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	486	483	0.7%	0	0	486	483	0	0	0	0
New Hampshire	900	888	1.3%	0	0	900	888	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	448	428	4.8%	0	0	448	428	0	0	0	0
Middle Atlantic	12,852	10,640	20.8%	0	0	12,852	10,640	0	0	0	0
New Jersey	2,625	1,789	46.7%	0	0	2,625	1,789	0	0	0	0
New York	3,829	2,754	39.0%	0	0	3,829	2,754	0	0	0	0
Pennsylvania	6,399	6,096	5.0%	0	0	6,399	6,096	0	0	0	0
East North Central	13,019	12,293	5.9%	1,993	1,605	11,025	10,688	0	0	0	0
Illinois	8,014	7,794	2.8%	0	0	8,014	7,794	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,578	2,122	21.5%	1,993	1,605	584	517	0	0	0	0
Ohio	1,561	1,533	1.8%	0	0	1,561	1,533	0	0	0	0
Wisconsin	866	843	2.7%	0	0	866	843	0	0	0	0
West North Central	3,587	2,597	38.1%	3,147	2,567	440	29	0	0	0	0
Iowa	440	29	NM	0	0	440	29	0	0	0	0
Kansas	875	863	1.4%	875	863	0	0	0	0	0	0
Minnesota	816	804	1.4%	816	804	0	0	0	0	0	0
Missouri	892	890	0.2%	892	890	0	0	0	0	0	0
Nebraska	564	10	NM	564	10	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	15,447	13,655	13.1%	14,168	12,459	1,279	1,197	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,263	1,423	59.0%	2,263	1,423	0	0	0	0	0	0
Georgia	2,928	2,993	-2.2%	2,928	2,993	0	0	0	0	0	0
Maryland	1,279	1,197	6.9%	0	0	1,279	1,197	0	0	0	0
North Carolina	3,139	2,719	15.5%	3,139	2,719	0	0	0	0	0	0
South Carolina	3,617	3,312	9.2%	3,617	3,312	0	0	0	0	0	0
Virginia	2,222	2,012	10.4%	2,222	2,012	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6,348	5,574	13.9%	6,348	5,574	0	0	0	0	0	0
Alabama	3,603	2,909	23.9%	3,603	2,909	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	851	996	-14.6%	851	996	0	0	0	0	0	0
Tennessee	1,894	1,669	13.5%	1,894	1,669	0	0	0	0	0	0
West South Central	6,066	4,341	39.7%	2,896	2,044	3,170	2,297	0	0	0	0
Arkansas	1,342	1,343	0.0%	1,342	1,343	0	0	0	0	0	0
Louisiana	1,554	702	121.5%	1,554	702	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,170	2,297	38.0%	0	0	3,170	2,297	0	0	0	0
Mountain	1,977	2,437	-18.9%	1,977	2,437	0	0	0	0	0	0
Arizona	1,977	2,437	-18.9%	1,977	2,437	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	2,409	2,351	2.5%	2,409	2,351	0	0	0	0	0	0
California	1,595	1,541	3.5%	1,595	1,541	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	814	810	0.4%	814	810	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	64,975	56,713	14.6%	32,939	29,038	32,037	27,674	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 November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	33,784	32,667	3.4%	0	0	33,784	32,667	0	0	0	0
Connecticut	15,514	15,509	0.0%	0	0	15,514	15,509	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	3,889	5,352	-27.3%	0	0	3,889	5,352	0	0	0	0
New Hampshire	9,998	7,273	37.5%	0	0	9,998	7,273	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	4,382	4,533	-3.3%	0	0	4,382	4,533	0	0	0	0
Middle Atlantic	142,905	135,223	5.7%	0	0	142,905	135,223	0	0	0	0
New Jersey	30,620	30,072	1.8%	0	0	30,620	30,072	0	0	0	0
New York	40,991	36,899	11.1%	0	0	40,991	36,899	0	0	0	0
Pennsylvania	71,294	68,251	4.5%	0	0	71,294	68,251	0	0	0	0
East North Central	139,734	142,020	-1.6%	20,428	21,216	119,306	120,805	0	0	0	0
Illinois	88,575	87,752	0.9%	0	0	88,575	87,752	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	25,861	25,789	0.3%	20,428	21,216	5,433	4,573	0	0	0	0
Ohio	14,494	15,483	-6.4%	0	0	14,494	15,483	0	0	0	0
Wisconsin	10,804	12,997	-16.9%	0	0	10,804	12,997	0	0	0	0
West North Central	34,633	37,559	-7.8%	29,769	33,549	4,864	4,010	0	0	0	0
Iowa	4,864	4,010	21.3%	0	0	4,864	4,010	0	0	0	0
Kansas	6,264	7,381	-15.1%	6,264	7,381	0	0	0	0	0	0
Minnesota	9,876	11,112	-11.1%	9,876	11,112	0	0	0	0	0	0
Missouri	7,443	9,798	-24.0%	7,443	9,798	0	0	0	0	0	0
Nebraska	6,186	5,258	17.6%	6,186	5,258	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	179,421	167,861	6.9%	166,485	155,578	12,935	12,282	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	24,002	15,877	51.2%	24,002	15,877	0	0	0	0	0	0
Georgia	29,843	30,850	-3.3%	29,843	30,850	0	0	0	0	0	0
Maryland	12,935	12,282	5.3%	0	0	12,935	12,282	0	0	0	0
North Carolina	36,691	35,663	2.9%	36,691	35,663	0	0	0	0	0	0
South Carolina	49,386	47,144	4.8%	49,386	47,144	0	0	0	0	0	0
Virginia	26,563	26,045	2.0%	26,563	26,045	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	72,806	67,317	8.2%	72,806	67,317	0	0	0	0	0	0
Alabama	37,081	37,285	-0.5%	37,081	37,285	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	9,811	6,625	48.1%	9,811	6,625	0	0	0	0	0	0
Tennessee	25,914	23,407	10.7%	25,914	23,407	0	0	0	0	0	0
West South Central	61,690	63,656	-3.1%	26,463	29,061	35,227	34,595	0	0	0	0
Arkansas	11,108	14,104	-21.2%	11,108	14,104	0	0	0	0	0	0
Louisiana	15,355	14,957	2.7%	15,355	14,957	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	35,227	34,595	1.8%	0	0	35,227	34,595	0	0	0	0
Mountain	28,894	28,964	-0.2%	28,894	28,964	0	0	0	0	0	0
Arizona	28,894	28,964	-0.2%	28,894	28,964	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	23,856	25,482	-6.4%	23,856	25,482	0	0	0	0	0	0
California	16,234	16,984	-4.4%	16,234	16,984	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	7,622	8,498	-10.3%	7,622	8,498	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	717,723	700,748	2.4%	368,702	361,167	349,021	339,581	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 1.13.A. Net Generation from Hydroelectric (Conventional) Power
by State, by Sector, November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	586	597	-1.8%	76	70	479	486	NM	0	31	41
Connecticut	NM	25	NM	NM	2	NM	23	0	0	0	0
Maine	286	323	-11.5%	0	0	258	285	0	0	28	39
Massachusetts	80	73	8.9%	NM	18	58	54	NM	0	NM	0
New Hampshire	97	86	12.6%	20	20	77	66	0	0	NM	0
Rhode Island	NM	0	NM	0	0	NM	0	0	0	0	0
Vermont	96	89	8.1%	33	30	61	57	0	0	NM	2
Middle Atlantic	2,385	2,194	8.7%	1,936	1,755	443	434	NM	0	NM	5
New Jersey	NM	1	NM	0	0	NM	1	0	0	0	0
New York	2,232	1,997	11.7%	1,887	1,665	340	327	NM	0	NM	5
Pennsylvania	151	195	-22.7%	49	89	102	106	0	0	0	0
East North Central	244	311	-21.6%	220	283	NM	15	NM	0	NM	13
Illinois	NM	9	NM	NM	5	NM	4	NM	0	0	0
Indiana	32	43	-25.5%	32	43	0	0	0	0	0	0
Michigan	69	56	23.1%	62	51	NM	4	0	0	NM	1
Ohio	49	48	1.9%	49	48	0	0	0	0	0	0
Wisconsin	83	154	-46.1%	72	135	NM	7	0	0	NM	12
West North Central	613	844	-27.3%	599	837	NM	5	0	0	NM	2
Iowa	47	57	-17.1%	47	57	NM	0	0	0	0	0
Kansas	NM	1	NM	0	0	NM	1	0	0	0	0
Minnesota	26	13	90.9%	NM	8	NM	4	0	0	NM	2
Missouri	41	17	138.5%	41	17	0	0	0	0	0	0
Nebraska	74	93	-20.7%	74	93	0	0	0	0	0	0
North Dakota	71	190	-62.7%	71	190	0	0	0	0	0	0
South Dakota	354	472	-25.1%	354	472	0	0	0	0	0	0
South Atlantic	991	927	6.9%	779	643	125	200	NM	1	87	84
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	12	NM	NM	12	0	0	0	0	0	0
Georgia	190	191	-0.3%	188	189	NM	1	0	0	NM	2
Maryland	77	144	-46.5%	0	0	77	144	0	0	0	0
North Carolina	342	315	8.7%	285	258	NM	NM	NM	1	54	53
South Carolina	192	91	110.3%	187	88	NM	3	0	0	0	0
Virginia	72	63	13.6%	65	59	NM	4	0	0	NM	1
West Virginia	106	112	-5.3%	41	38	35	45	0	0	29	28
East South Central	1,585	1,489	6.5%	1,520	1,421	NM	1	0	0	64	67
Alabama	644	531	21.2%	644	531	0	0	0	0	0	0
Kentucky	177	151	17.0%	176	151	NM	1	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	764	806	-5.2%	700	739	0	0	0	0	64	67
West South Central	406	100	306.5%	361	77	45	23	0	0	0	0
Arkansas	155	48	221.3%	151	47	NM	1	0	0	0	0
Louisiana	38	21	79.4%	0	0	38	21	0	0	0	0
Oklahoma	145	12	NM	145	12	0	0	0	0	0	0
Texas	68	19	265.2%	65	17	NM	1	0	0	0	0
Mountain	1,938	2,105	-7.9%	1,665	1,785	274	320	0	0	0	0
Arizona	374	478	-21.8%	374	478	0	0	0	0	0	0
Colorado	54	13	317.0%	44	12	NM	1	0	0	0	0
Idaho	514	451	13.8%	483	429	31	23	0	0	0	0
Montana	771	902	-14.5%	543	609	229	293	0	0	0	0
Nevada	143	178	-19.6%	139	175	NM	3	0	0	0	0
New Mexico	NM	14	NM	NM	14	0	0	0	0	0	0
Utah	41	48	-13.8%	41	48	NM	1	0	0	0	0
Wyoming	30	21	40.0%	29	21	NM	0	0	0	0	0
Pacific Contiguous	8,862	10,009	-11.5%	8,780	9,903	82	106	NM	0	NM	0
California	1,111	1,521	-26.9%	1,065	1,455	47	66	NM	0	0	0
Oregon	2,462	2,689	-8.5%	2,442	2,667	20	22	0	0	0	0
Washington	5,288	5,799	-8.8%	5,273	5,780	NM	19	0	0	NM	0
Pacific Noncontiguous	122	156	-22.3%	117	154	1	1	0	0	NM	1
Alaska	115	154	-25.0%	115	154	0	0	0	0	0	0
Hawaii	NM	2	NM	NM	1	1	1	0	0	NM	1
U.S. Total	17,732	18,732	-5.3%	16,052	16,928	1,475	1,590	NM	2	204	213

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 November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	7,684	6,631	15.9%	1,073	846	6,147	5,385	NM	5	457	396
Connecticut	369	282	30.9%	NM	24	339	258	0	0	0	0
Maine	3,710	3,389	9.5%	0	0	3,290	3,017	0	0	420	372
Massachusetts	1,039	813	27.7%	281	205	746	600	NM	5	NM	4
New Hampshire	1,333	1,165	14.4%	336	292	989	874	0	0	NM	0
Rhode Island	NM	4	NM	0	0	NM	4	0	0	0	0
Vermont	1,228	978	25.6%	425	325	778	632	0	0	NM	21
Middle Atlantic	25,151	24,636	2.1%	19,522	19,966	5,560	4,612	NM	3	64	56
New Jersey	NM	10	NM	0	0	NM	10	0	0	0	0
New York	22,816	22,637	0.8%	18,536	19,053	4,211	3,524	NM	3	64	56
Pennsylvania	2,307	1,990	16.0%	986	912	1,322	1,077	0	0	0	0
East North Central	3,158	3,401	-7.2%	2,837	3,074	203	191	NM	4	114	132
Illinois	129	104	24.4%	54	46	72	55	NM	2	0	0
Indiana	397	405	-2.0%	397	405	0	0	0	0	0	0
Michigan	962	1,088	-11.6%	866	994	75	70	0	0	NM	23
Ohio	496	385	28.7%	496	385	0	0	0	0	0	0
Wisconsin	1,174	1,419	-17.3%	1,024	1,242	56	66	NM	2	93	109
West North Central	8,685	11,228	-22.6%	8,477	10,997	140	159	0	0	67	72
Iowa	615	730	-15.7%	611	725	NM	5	0	0	0	0
Kansas	NM	10	NM	0	0	NM	10	0	0	0	0
Minnesota	356	545	-34.7%	168	329	121	143	0	0	67	72
Missouri	1,143	699	63.6%	1,143	699	0	0	0	0	0	0
Nebraska	1,008	1,198	-15.8%	1,008	1,198	0	0	0	0	0	0
North Dakota	1,710	2,323	-26.4%	1,710	2,323	0	0	0	0	0	0
South Dakota	3,837	5,723	-33.0%	3,837	5,723	0	0	0	0	0	0
South Atlantic	15,751	10,806	45.8%	12,373	7,947	1,980	1,967	NM	11	1,385	881
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	179	139	28.5%	179	139	0	0	0	0	0	0
Georgia	3,048	2,063	47.7%	3,015	2,041	NM	5	0	0	NM	17
Maryland	1,334	1,472	-9.3%	0	0	1,334	1,472	0	0	0	0
North Carolina	5,801	3,504	65.5%	5,004	3,124	NM	28	13	11	740	342
South Carolina	2,533	1,323	91.4%	2,468	1,274	64	50	NM	0	0	0
Virginia	1,300	1,001	29.9%	1,216	930	70	60	0	0	NM	12
West Virginia	1,557	1,303	19.5%	492	440	457	353	0	0	608	510
East South Central	24,817	16,316	52.1%	23,907	15,731	NM	7	0	0	902	578
Alabama	11,231	6,630	69.4%	11,231	6,630	0	0	0	0	0	0
Kentucky	2,994	2,107	42.1%	2,986	2,100	NM	7	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	10,592	7,579	39.8%	9,690	7,001	0	0	0	0	902	578
West South Central	6,489	4,482	44.8%	5,425	3,760	1,064	722	0	0	0	0
Arkansas	2,468	2,137	15.5%	2,416	2,095	52	42	0	0	0	0
Louisiana	974	646	50.8%	0	0	974	646	0	0	0	0
Oklahoma	1,984	1,135	74.9%	1,984	1,135	0	0	0	0	0	0
Texas	1,064	565	88.2%	1,025	531	NM	34	0	0	0	0
Mountain	28,468	32,287	-11.8%	24,613	28,002	3,855	4,285	0	0	0	0
Arizona	5,554	6,239	-11.0%	5,554	6,239	0	0	0	0	0	0
Colorado	1,171	1,408	-16.9%	1,046	1,344	125	63	0	0	0	0
Idaho	8,539	10,338	-17.4%	7,902	9,433	637	904	0	0	0	0
Montana	9,232	10,235	-9.8%	6,201	6,975	3,031	3,261	0	0	0	0
Nevada	2,520	2,299	9.6%	2,472	2,260	48	39	0	0	0	0
New Mexico	172	207	-16.6%	172	207	0	0	0	0	0	0
Utah	589	694	-15.1%	582	686	NM	8	0	0	0	0
Wyoming	691	867	-20.3%	683	857	NM	10	0	0	0	0
Pacific Contiguous	126,226	141,941	-11.1%	124,660	140,227	1,561	1,710	NM	3	NM	1
California	23,587	24,870	-5.2%	22,479	23,666	1,104	1,201	NM	3	0	0
Oregon	30,652	35,706	-14.2%	30,411	35,436	241	271	0	0	0	0
Washington	71,987	81,365	-11.5%	71,771	81,125	215	238	0	0	NM	1
Pacific Noncontiguous	1,385	1,528	-9.4%	1,323	1,453	15	24	0	0	47	51
Alaska	1,300	1,428	-8.9%	1,300	1,428	0	0	0	0	0	0
Hawaii	84	100	-15.6%	NM	25	15	24	0	0	47	51
U.S. Total	247,814	253,257	-2.1%	224,211	232,003	20,533	19,061	33	25	3,037	2,167

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, November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	897	745	20.5%	81	74	601	468	13	12	203	190
Connecticut	58	55	5.8%	0	0	58	55	0	0	0	0
Maine	430	352	22.2%	0	0	264	199	9	8	157	145
Massachusetts	170	146	16.0%	7	5	116	95	NM	1	46	45
New Hampshire	162	125	29.9%	31	34	128	87	NM	3	0	0
Rhode Island	8	9	-6.4%	0	0	8	9	0	0	0	0
Vermont	69	58	19.7%	42	35	27	23	NM	0	0	0
Middle Atlantic	1,364	900	51.5%	4	3	1,255	793	49	45	55	60
New Jersey	120	82	46.3%	4	3	97	65	19	14	NM	0
New York	631	423	49.1%	0	0	600	384	20	19	11	20
Pennsylvania	613	395	55.0%	0	0	558	344	10	11	44	40
East North Central	2,823	1,665	69.6%	281	154	2,387	1,332	14	18	141	161
Illinois	1,278	654	95.6%	NM	1	1,277	652	NM	0	0	0
Indiana	478	268	78.1%	23	22	451	242	NM	2	NM	2
Michigan	538	338	59.1%	116	24	349	229	10	14	64	72
Ohio	204	123	64.9%	NM	1	172	95	NM	0	28	27
Wisconsin	325	281	15.7%	138	106	138	115	NM	1	47	60
West North Central	4,920	3,909	25.9%	1,539	1,239	3,325	2,618	11	7	45	45
Iowa	1,771	1,427	24.1%	967	803	799	621	NM	2	3	1
Kansas	849	669	26.9%	82	44	767	625	0	0	0	0
Minnesota	1,079	895	20.6%	221	210	813	637	NM	4	40	44
Missouri	130	121	8.0%	3	2	124	118	3	0	NM	0
Nebraska	215	125	71.8%	26	23	188	100	NM	1	0	0
North Dakota	591	410	44.2%	177	100	413	310	0	0	NM	0
South Dakota	284	262	8.4%	63	55	221	207	0	0	0	0
South Atlantic	1,603	1,450	10.5%	130	91	679	560	34	22	760	777
Delaware	9	9	7.7%	NM	0	8	8	NM	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	362	351	3.0%	15	17	175	178	NM	3	169	153
Georgia	306	290	5.4%	0	0	51	23	NM	4	252	264
Maryland	89	80	10.8%	NM	NM	74	64	NM	3	10	12
North Carolina	239	229	4.5%	NM	1	134	114	3	1	101	114
South Carolina	156	173	-10.0%	34	34	2	3	0	0	120	135
Virginia	282	217	29.9%	79	38	76	69	20	11	107	99
West Virginia	160	101	58.8%	0	0	160	101	0	0	0	0
East South Central	515	456	12.8%	8	7	22	23	NM	NM	485	426
Alabama	259	227	14.3%	NM	0	12	12	0	0	247	215
Kentucky	44	29	51.4%	8	7	0	0	0	0	36	22
Mississippi	120	126	-5.3%	0	0	0	1	0	0	120	125
Tennessee	92	74	24.1%	0	0	10	10	NM	NM	82	64
West South Central	4,618	4,047	14.1%	165	183	4,007	3,374	NM	4	442	485
Arkansas	135	145	-7.4%	0	0	9	7	NM	1	125	138
Louisiana	212	243	-12.9%	0	0	5	7	0	0	207	236
Oklahoma	1,075	865	24.3%	138	157	909	675	0	0	28	33
Texas	3,197	2,794	14.4%	27	26	3,084	2,685	NM	4	82	78
Mountain	2,412	2,103	14.7%	291	306	2,081	1,758	5	6	35	34
Arizona	200	153	30.9%	14	19	185	133	NM	1	0	0
Colorado	661	516	28.0%	6	5	653	508	NM	2	NM	0
Idaho	317	233	36.2%	14	16	268	183	0	0	35	33
Montana	195	127	54.2%	8	9	187	118	0	0	0	0
Nevada	305	295	3.6%	0	0	303	292	NM	3	NM	0
New Mexico	192	208	-7.9%	5	4	187	204	NM	0	0	0
Utah	82	91	-9.7%	24	24	57	66	0	0	0	0
Wyoming	460	481	-4.4%	219	228	241	253	0	0	0	0
Pacific Contiguous	3,739	2,852	31.1%	458	414	2,978	2,162	94	91	210	186
California	2,520	2,032	24.0%	80	142	2,282	1,751	92	89	65	49
Oregon	562	342	64.3%	79	43	439	252	NM	2	42	45
Washington	657	478	37.5%	298	229	257	159	0	0	102	91
Pacific Noncontiguous	110	90	21.8%	12	3	71	63	16	12	10	12
Alaska	15	NM	NM	NM	2	NM	NM	0	0	NM	0
Hawaii	94	84	12.1%	3	1	65	59	16	12	10	11
U.S. Total	23,002	18,217	26.3%	2,968	2,474	17,406	13,150	240	217	2,387	2,376

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 November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	8,782	7,719	13.8%	788	582	5,757	5,112	147	123	2,090	1,901
Connecticut	614	615	-0.1%	0	0	614	615	0	0	0	0
Maine	4,101	3,681	11.4%	0	0	2,392	2,214	102	84	1,607	1,383
Massachusetts	1,822	1,684	8.2%	65	60	1,263	1,097	12	10	482	518
New Hampshire	1,510	1,246	21.2%	322	314	1,158	904	30	28	0	0
Rhode Island	91	93	-2.4%	0	0	91	93	0	0	0	0
Vermont	643	400	60.9%	402	208	239	189	NM	2	0	0
Middle Atlantic	11,878	9,793	21.3%	55	40	10,605	8,604	583	499	635	650
New Jersey	1,432	1,184	21.0%	55	40	1,139	964	236	178	NM	1
New York	5,301	4,654	13.9%	0	0	4,856	4,231	230	202	215	221
Pennsylvania	5,145	3,955	30.1%	0	0	4,610	3,408	117	118	419	428
East North Central	21,917	18,331	19.6%	2,220	1,581	17,915	14,874	178	214	1,604	1,663
Illinois	9,299	7,369	26.2%	13	12	9,285	7,356	NM	0	0	0
Indiana	3,377	3,125	8.0%	257	263	3,082	2,815	21	21	16	27
Michigan	4,568	3,337	36.9%	810	194	2,913	2,230	140	178	705	735
Ohio	1,711	1,559	9.7%	34	18	1,374	1,222	NM	0	299	319
Wisconsin	2,963	2,941	0.8%	1,106	1,093	1,262	1,250	12	15	583	583
West North Central	42,494	36,058	17.8%	13,113	11,415	28,832	24,098	77	77	472	468
Iowa	14,414	12,837	12.3%	7,909	6,751	6,461	6,048	25	27	19	11
Kansas	8,757	4,562	91.9%	848	795	7,908	3,767	0	0	0	0
Minnesota	9,073	8,668	4.7%	1,992	1,836	6,600	6,350	36	35	446	447
Missouri	1,139	1,184	-3.9%	37	25	1,096	1,155	3	0	NM	4
Nebraska	1,676	1,200	39.7%	239	233	1,422	951	14	16	0	0
North Dakota	4,975	4,904	1.4%	1,536	1,157	3,434	3,742	0	0	NM	5
South Dakota	2,461	2,702	-8.9%	551	617	1,910	2,085	0	0	0	0
South Atlantic	16,693	15,701	6.3%	1,233	972	6,662	6,108	338	217	8,460	8,405
Delaware	114	123	-7.9%	NM	2	107	118	NM	3	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,207	4,111	2.3%	250	227	2,014	2,042	32	33	1,911	1,809
Georgia	3,292	2,965	11.0%	0	0	438	193	29	25	2,824	2,747
Maryland	854	806	5.9%	11	2	687	641	41	33	114	130
North Carolina	2,689	2,421	11.1%	NM	4	1,484	1,201	18	3	1,180	1,213
South Carolina	1,775	1,965	-9.7%	382	420	18	36	0	0	1,375	1,509
Virginia	2,516	2,147	17.2%	580	316	667	713	213	120	1,056	998
West Virginia	1,246	1,162	7.2%	0	0	1,246	1,162	0	0	0	0
East South Central	5,639	4,996	12.9%	88	90	273	277	NM	2	5,276	4,627
Alabama	2,982	2,533	17.8%	NM	1	181	174	0	0	2,800	2,358
Kentucky	284	304	-6.4%	86	89	0	0	0	0	198	215
Mississippi	1,384	1,403	-1.4%	0	0	0	2	0	0	1,384	1,401
Tennessee	988	756	30.7%	0	0	92	101	NM	2	893	653
West South Central	49,126	41,837	17.4%	1,803	1,725	42,380	35,288	39	36	4,904	4,788
Arkansas	1,521	1,507	0.9%	0	0	82	58	NM	5	1,434	1,444
Louisiana	2,304	2,189	5.2%	0	0	56	57	0	0	2,248	2,132
Oklahoma	10,346	7,534	37.3%	1,505	1,438	8,531	5,765	0	0	310	331
Texas	34,955	30,607	14.2%	298	288	33,712	29,408	34	31	911	881
Mountain	24,247	20,051	20.9%	2,562	2,369	21,234	17,253	86	59	365	371
Arizona	2,443	1,525	60.2%	239	164	2,185	1,354	19	6	0	0
Colorado	6,892	5,502	25.3%	65	67	6,795	5,412	29	19	NM	3
Idaho	2,921	2,098	39.2%	120	53	2,442	1,680	0	0	359	366
Montana	1,408	1,098	28.3%	83	80	1,326	1,018	0	0	0	0
Nevada	3,503	2,667	31.4%	0	0	3,465	2,634	35	30	NM	3
New Mexico	2,402	2,303	4.3%	62	43	2,337	2,256	NM	3	0	0
Utah	862	984	-12.4%	225	244	637	740	0	0	0	0
Wyoming	3,816	3,876	-1.5%	1,769	1,718	2,047	2,158	0	0	0	0
Pacific Contiguous	49,825	41,564	19.9%	6,849	6,553	39,581	31,813	1,034	960	2,361	2,238
California	34,050	27,578	23.5%	2,131	1,943	30,169	23,963	1,012	940	739	732
Oregon	7,860	6,550	20.0%	1,365	1,291	5,998	4,812	22	20	476	427
Washington	7,915	7,437	6.4%	3,354	3,320	3,414	3,038	0	0	1,147	1,078
Pacific Noncontiguous	1,146	881	30.1%	106	38	784	599	166	139	89	105
Alaska	129	33	287.1%	81	17	46	13	0	0	NM	2
Hawaii	1,017	847	20.0%	25	21	738	585	166	139	88	103
U.S. Total	231,747	196,931	17.7%	28,817	25,364	174,023	144,025	2,651	2,326	26,256	25,217

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	-30	-17	77.2%	0	0	-30	-17	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	-31	-17	78.8%	0	0	-31	-17	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	-72	-74	-3.2%	-20	-38	-52	-37	0	0	0	0
New Jersey	-14	-18	-21.5%	-14	-18	0	0	0	0	0	0
New York	-6	-20	-69.7%	-6	-20	0	0	0	0	0	0
Pennsylvania	-52	-37	41.9%	0	0	-52	-37	0	0	0	0
East North Central	-53	-55	-4.4%	-53	-55	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	-53	-55	-4.4%	-53	-55	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	11	-6	-293.3%	11	-6	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	11	-6	-293.3%	11	-6	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	-199	-198	0.6%	-199	-198	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	-57	-53	6.1%	-57	-53	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	-57	-45	26.5%	-57	-45	0	0	0	0	0	0
Virginia	-85	-99	-14.2%	-85	-99	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-1	-3	-78.9%	-1	-3	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	-3	-78.9%	-1	-3	0	0	0	0	0	0
West South Central	-6	-11	-43.5%	-6	-11	0	0	0	0	0	0
Arkansas	0	0	-110.4%	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-6	-12	-45.6%	-6	-12	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	2	-18	-111.8%	2	-18	0	0	0	0	0	0
Arizona	-8	0	NM	-8	0	0	0	0	0	0	0
Colorado	10	-18	-154.8%	10	-18	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	3	-26	-111.8%	3	-26	0	0	0	0	0	0
California	3	-31	-111.2%	3	-31	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	5	-107.7%	0	5	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-345	-409	-15.7%	-262	-355	-82	-54	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 November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	-254	-277	-8.4%	0	0	-254	-277	0	0	0	0
Connecticut	-2	1	-285.2%	0	0	-2	1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-252	-278	-9.5%	0	0	-252	-278	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	-998	-925	7.9%	-506	-531	-492	-394	0	0	0	0
New Jersey	-188	-154	22.5%	-188	-154	0	0	0	0	0	0
New York	-318	-377	-15.8%	-318	-377	0	0	0	0	0	0
Pennsylvania	-492	-394	25.0%	0	0	-492	-394	0	0	0	0
East North Central	-802	-716	11.9%	-802	-716	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	-802	-716	11.9%	-802	-716	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	303	42	622.4%	303	42	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	303	42	622.4%	303	42	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	-2,229	-2,856	-22.0%	-2,229	-2,856	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	-380	-769	-50.6%	-380	-769	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	-729	-819	-11.0%	-729	-819	0	0	0	0	0	0
Virginia	-1,120	-1,268	-11.6%	-1,120	-1,268	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-26	-146	-82.3%	-26	-146	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	-26	-146	-82.3%	-26	-146	0	0	0	0	0	0
West South Central	-56	-65	-13.6%	-56	-65	0	0	0	0	0	0
Arkansas	30	41	-25.5%	30	41	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-86	-106	-18.2%	-86	-106	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-197	-142	39.0%	-197	-142	0	0	0	0	0	0
Arizona	42	80	-47.5%	42	80	0	0	0	0	0	0
Colorado	-239	-222	7.7%	-239	-222	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	236	710	-66.7%	236	710	0	0	0	0	0	0
California	229	667	-65.7%	229	667	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	8	44	-82.7%	8	44	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	-4,022	-4,374	-8.0%	-3,276	-3,703	-746	-671	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, November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	161	182	-11.6%	0	0	144	165	8	8	10	10
Connecticut	51	63	-18.3%	0	0	51	63	0	0	0	0
Maine	31	34	-10.0%	0	0	16	19	8	8	7	7
Massachusetts	73	79	-7.3%	0	0	71	77	0	0	2	2
New Hampshire	5	6	-6.1%	0	0	5	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	195	195	0.0%	0	0	157	149	38	39	0	7
New Jersey	45	42	8.0%	0	0	33	23	12	11	0	7
New York	82	80	2.5%	0	0	65	62	18	18	0	0
Pennsylvania	68	73	-7.3%	0	0	60	64	8	9	0	0
East North Central	87	87	0.3%	11	6	12	13	10	15	54	53
Illinois	21	21	2.7%	0	0	0	0	0	0	21	21
Indiana	37	25	47.2%	9	0	0	0	NM	2	27	24
Michigan	23	31	-25.4%	0	2	12	13	9	14	2	2
Ohio	1	2	-52.7%	0	0	0	0	0	0	1	2
Wisconsin	5	8	-42.7%	2	4	0	0	0	0	3	5
West North Central	42	42	-1.6%	23	21	12	14	3	3	4	5
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	35	36	-2.7%	16	14	12	14	3	3	4	5
Missouri	2	1	105.5%	2	1	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	5	5	-15.3%	5	5	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	299	371	-19.4%	0	0	160	180	17	10	122	181
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	213	265	-19.6%	0	0	102	116	0	0	111	148
Georgia	8	5	55.8%	0	0	0	0	0	0	8	5
Maryland	24	24	-1.0%	0	0	24	24	NM	0	0	0
North Carolina	12	32	-61.5%	0	0	12	10	0	0	0	22
South Carolina	3	10	-73.6%	0	0	0	5	0	0	3	6
Virginia	39	34	13.2%	0	0	22	25	17	9	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	1	18	-96.5%	0	1	0	0	0	0	NM	17
Alabama	0	17	-98.9%	0	0	0	0	0	0	0	17
Kentucky	0	1	-49.6%	0	1	0	0	0	0	0	0
Mississippi	NM	0	NM	0	0	0	0	0	0	NM	0
Tennessee	0	0	-10.4%	0	0	0	0	0	0	0	0
West South Central	71	71	-0.1%	0	0	0	0	0	0	71	71
Arkansas	1	2	-46.4%	0	0	0	0	0	0	1	2
Louisiana	35	39	-8.8%	0	0	0	0	0	0	35	39
Oklahoma	NM	1	NM	0	0	0	0	0	0	NM	1
Texas	33	29	13.6%	0	0	0	0	0	0	33	29
Mountain	46	69	-32.7%	NM	1	30	35	0	0	16	33
Arizona	0	1	-100.0%	0	0	0	1	0	0	0	0
Colorado	4	5	-21.9%	0	0	NM	1	0	0	3	4
Idaho	0	7	-100.0%	0	0	0	0	0	0	0	7
Montana	28	32	-12.6%	0	0	28	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	13	16	-20.2%	0	0	NM	0	0	0	13	16
Wyoming	0	6	-100.0%	0	0	0	0	0	0	0	6
Pacific Contiguous	57	75	-24.4%	0	0	21	24	0	0	35	52
California	41	60	-32.2%	0	0	12	14	0	0	29	46
Oregon	NM	4	NM	0	0	NM	4	0	0	0	1
Washington	13	11	15.4%	0	0	6	6	0	0	7	5
Pacific Noncontiguous	17	29	-42.4%	0	17	1	0	16	12	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	17	29	-42.4%	0	17	1	0	16	12	0	0
U.S. Total	975	1,140	-14.4%	35	46	537	580	91	86	312	428

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.B. Net Generation from Other Energy Sources
by State, by Sector, Year-to-Date through November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	1,904	1,968	-3.3%	0	0	1,711	1,778	88	80	105	110
Connecticut	672	695	-3.3%	0	0	672	695	0	0	0	0
Maine	352	386	-8.7%	0	0	181	222	88	80	84	84
Massachusetts	818	828	-1.1%	0	0	797	801	0	0	21	26
New Hampshire	62	60	3.5%	0	0	62	60	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	2,183	2,285	-4.5%	0	0	1,750	1,762	433	425	0	98
New Jersey	487	577	-15.7%	0	0	354	345	132	134	0	98
New York	897	888	1.0%	0	0	690	694	207	194	0	0
Pennsylvania	800	820	-2.5%	0	0	706	723	94	98	0	0
East North Central	1,025	1,048	-2.2%	121	118	138	142	146	187	619	601
Illinois	241	281	-14.1%	0	0	0	0	0	0	241	281
Indiana	411	325	26.6%	84	57	0	0	18	19	309	249
Michigan	295	359	-17.8%	8	25	138	142	128	168	21	24
Ohio	9	11	-18.6%	0	0	0	0	0	0	9	11
Wisconsin	68	72	-5.9%	29	36	0	0	0	0	39	37
West North Central	448	438	2.3%	230	226	138	136	32	26	49	51
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	381	362	5.3%	163	150	138	136	32	26	49	51
Missouri	14	18	-19.9%	14	18	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	53	59	-9.8%	53	59	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3,621	4,104	-11.8%	0	0	1,926	2,007	189	104	1,506	1,993
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	2,637	2,903	-9.1%	0	0	1,267	1,305	0	0	1,371	1,598
Georgia	82	50	62.7%	0	0	0	0	0	0	82	50
Maryland	282	268	5.5%	0	0	281	267	NM	1	0	0
North Carolina	144	423	-65.9%	0	0	144	132	0	0	0	291
South Carolina	53	97	-45.3%	0	0	0	44	0	0	53	53
Virginia	423	363	16.5%	0	0	234	259	188	103	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	13	215	-93.9%	8	8	0	0	0	0	5	207
Alabama	3	207	-98.5%	0	0	0	0	0	0	3	207
Kentucky	8	8	3.4%	8	8	0	0	0	0	0	0
Mississippi	NM	0	NM	0	0	0	0	0	0	NM	0
Tennessee	1	0	12.0%	0	0	0	0	0	0	1	0
West South Central	848	659	28.7%	0	0	0	0	0	0	848	659
Arkansas	19	28	-30.5%	0	0	0	0	0	0	19	28
Louisiana	420	347	21.1%	0	0	0	0	0	0	420	347
Oklahoma	21	9	136.9%	0	0	0	0	0	0	21	9
Texas	387	275	40.8%	0	0	0	0	0	0	387	275
Mountain	523	644	-18.9%	13	11	326	355	0	0	184	278
Arizona	3	24	-86.1%	0	0	3	24	0	0	0	0
Colorado	49	51	-3.2%	0	0	12	10	0	0	37	41
Idaho	0	64	-100.0%	0	0	0	0	0	0	0	64
Montana	307	317	-3.2%	0	0	307	317	0	0	0	0
Nevada	13	11	16.8%	13	11	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	150	116	29.5%	0	0	NM	4	0	0	146	112
Wyoming	0	61	-100.0%	0	0	0	0	0	0	0	61
Pacific Contiguous	612	921	-33.6%	0	0	260	240	0	0	352	681
California	446	743	-39.9%	0	0	152	138	0	0	294	605
Oregon	40	46	-12.8%	0	0	40	38	0	0	0	7
Washington	126	133	-5.3%	0	0	68	64	0	0	58	69
Pacific Noncontiguous	172	329	-47.6%	0	196	12	0	160	133	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	172	329	-47.6%	0	196	12	0	160	133	0	0
U.S. Total	11,349	12,611	-10.0%	372	558	6,262	6,419	1,049	955	3,667	4,678

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, November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	213	96	121.5%	17	12	195	84	NM	1	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	128	58	123.3%	0	0	128	58	0	0	0	0
Massachusetts	20	6	215.2%	NM	4	13	1	NM	1	0	0
New Hampshire	39	19	108.4%	0	0	39	19	0	0	0	0
Rhode Island	NM	0	NM	0	0	NM	0	0	0	0	0
Vermont	25	14	87.5%	11	8	14	6	0	0	0	0
Middle Atlantic	849	450	88.7%	0	0	848	450	0	0	NM	0
New Jersey	NM	1	NM	0	0	NM	1	0	0	0	0
New York	443	242	82.8%	0	0	442	242	0	0	NM	0
Pennsylvania	405	207	95.7%	0	0	405	207	0	0	0	0
East North Central	2,338	1,170	99.8%	236	109	2,098	1,060	NM	0	NM	1
Illinois	1,223	608	101.2%	NM	1	1,221	607	0	0	0	0
Indiana	449	242	85.4%	0	0	449	242	NM	0	0	0
Michigan	333	110	203.4%	116	24	218	86	0	0	0	0
Ohio	141	72	96.5%	NM	1	137	70	0	0	NM	1
Wisconsin	191	138	38.5%	118	83	73	55	0	0	0	0
West North Central	4,735	3,728	27.0%	1,497	1,202	3,235	2,523	NM	3	0	0
Iowa	1,757	1,415	24.1%	964	801	792	614	NM	0	0	0
Kansas	845	665	27.1%	82	44	763	620	0	0	0	0
Minnesota	928	740	25.3%	189	181	736	556	NM	3	0	0
Missouri	122	116	5.1%	0	0	122	116	0	0	0	0
Nebraska	210	120	74.8%	22	20	188	100	0	0	0	0
North Dakota	590	410	44.0%	177	100	413	310	0	0	0	0
South Dakota	284	262	8.4%	63	55	221	207	0	0	0	0
South Atlantic	199	131	51.9%	0	0	198	131	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	39	31	27.0%	0	0	39	31	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	159	100	59.4%	0	0	159	100	0	0	0	0
East South Central	6	3	81.7%	0	0	6	3	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	6	3	81.7%	0	0	6	3	0	0	0	0
West South Central	4,103	3,474	18.1%	165	183	3,938	3,291	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	1,046	832	25.8%	138	157	909	675	0	0	0	0
Texas	3,057	2,643	15.7%	27	26	3,030	2,617	0	0	0	0
Mountain	1,824	1,577	15.6%	248	258	1,576	1,319	NM	1	NM	0
Arizona	27	32	-15.4%	0	0	27	32	0	0	0	0
Colorado	643	495	30.0%	6	5	637	489	0	0	NM	0
Idaho	262	180	45.6%	14	15	247	164	0	0	0	0
Montana	195	127	54.2%	8	9	187	118	0	0	0	0
Nevada	24	26	-7.7%	0	0	24	26	0	0	0	0
New Mexico	166	182	-8.6%	0	0	166	182	NM	0	0	0
Utah	46	55	-16.1%	0	0	46	55	0	0	0	0
Wyoming	460	481	-4.4%	219	228	241	253	0	0	0	0
Pacific Contiguous	1,568	978	60.3%	366	263	1,202	715	NM	0	NM	0
California	590	385	53.4%	36	33	554	352	NM	0	NM	0
Oregon	472	249	89.6%	74	38	398	211	0	0	0	0
Washington	506	345	46.8%	256	193	250	152	0	0	0	0
Pacific Noncontiguous	54	40	33.4%	NM	2	44	39	0	0	0	0
Alaska	15	NM	NM	NM	2	NM	NM	0	0	0	0
Hawaii	39	35	12.0%	0	0	39	35	0	0	0	0
U.S. Total	15,888	11,649	36.4%	2,539	2,029	13,340	9,613	NM	5	NM	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.

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 November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	1,686	1,128	49.5%	169	72	1,507	1,048	11	8	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	947	783	21.1%	0	0	947	783	0	0	0	0
Massachusetts	167	73	127.9%	53	51	104	14	11	8	0	0
New Hampshire	354	177	100.1%	0	0	354	177	0	0	0	0
Rhode Island	NM	1	NM	0	0	NM	1	0	0	0	0
Vermont	216	94	130.1%	116	20	100	74	0	0	0	0
Middle Atlantic	6,198	4,485	38.2%	0	0	6,189	4,481	0	0	NM	3
New Jersey	12	10	18.0%	0	0	12	10	0	0	0	0
New York	3,197	2,640	21.1%	0	0	3,189	2,636	0	0	NM	3
Pennsylvania	2,989	1,835	62.9%	0	0	2,989	1,835	0	0	0	0
East North Central	16,414	12,781	28.4%	1,694	1,077	14,701	11,693	NM	1	17	11
Illinois	8,663	6,769	28.0%	13	12	8,650	6,757	0	0	0	0
Indiana	3,077	2,816	9.3%	0	0	3,076	2,815	NM	1	0	0
Michigan	2,247	903	148.9%	810	194	1,437	709	0	0	0	0
Ohio	1,001	873	14.6%	14	13	970	850	0	0	17	11
Wisconsin	1,425	1,420	0.4%	858	858	568	562	0	0	0	0
West North Central	40,472	34,079	18.8%	12,639	10,954	27,806	23,097	27	28	0	0
Iowa	14,269	12,697	12.4%	7,883	6,726	6,384	5,968	NM	3	0	0
Kansas	8,706	4,509	93.1%	848	795	7,857	3,715	0	0	0	0
Minnesota	7,370	6,995	5.4%	1,623	1,468	5,722	5,502	25	26	0	0
Missouri	1,076	1,135	-5.1%	0	0	1,076	1,135	0	0	0	0
Nebraska	1,620	1,142	41.9%	197	191	1,422	951	0	0	0	0
North Dakota	4,971	4,899	1.5%	1,536	1,157	3,434	3,742	0	0	0	0
South Dakota	2,461	2,702	-8.9%	551	617	1,910	2,085	0	0	0	0
South Atlantic	1,526	1,441	5.9%	0	0	1,523	1,437	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	286	285	0.3%	0	0	286	285	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	1,237	1,153	7.3%	0	0	1,237	1,153	0	0	0	0
East South Central	41	41	1.1%	0	0	41	41	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	41	41	1.1%	0	0	41	41	0	0	0	0
West South Central	43,303	36,171	19.7%	1,803	1,725	41,500	34,446	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	10,036	7,203	39.3%	1,505	1,438	8,531	5,765	0	0	0	0
Texas	33,267	28,968	14.8%	298	288	32,969	28,680	0	0	0	0
Mountain	17,377	14,984	16.0%	2,035	1,909	15,327	13,063	12	8	NM	3
Arizona	427	484	-11.7%	0	0	427	484	0	0	0	0
Colorado	6,646	5,297	25.5%	63	67	6,571	5,222	9	5	NM	3
Idaho	2,342	1,525	53.6%	120	44	2,222	1,481	0	0	0	0
Montana	1,408	1,098	28.3%	83	80	1,326	1,018	0	0	0	0
Nevada	237	88	169.3%	0	0	237	88	0	0	0	0
New Mexico	1,994	1,992	0.1%	0	0	1,991	1,989	NM	3	0	0
Utah	507	624	-18.8%	0	0	507	624	0	0	0	0
Wyoming	3,816	3,876	-1.5%	1,769	1,718	2,047	2,158	0	0	0	0
Pacific Contiguous	25,959	20,817	24.7%	5,163	4,968	20,790	15,849	NM	0	NM	0
California	12,743	9,075	40.4%	867	740	11,870	8,336	NM	0	NM	0
Oregon	6,885	5,780	19.1%	1,297	1,228	5,588	4,552	0	0	0	0
Washington	6,331	5,962	6.2%	2,998	3,001	3,332	2,961	0	0	0	0
Pacific Noncontiguous	588	372	58.3%	81	17	508	354	0	0	0	0
Alaska	127	31	312.2%	81	17	46	13	0	0	0	0
Hawaii	461	341	35.4%	0	0	461	341	0	0	0	0
U.S. Total	153,564	126,297	21.6%	23,583	20,723	129,893	105,509	58	49	31	17

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 1.18.A. Net Generation from Biomass
by State, by Sector, November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	676	645	4.7%	62	62	399	382	12	11	203	190
Connecticut	58	55	5.8%	0	0	58	55	0	0	0	0
Maine	302	294	2.5%	0	0	136	141	9	8	157	145
Massachusetts	142	137	3.4%	0	0	96	92	NM	0	46	45
New Hampshire	123	106	16.0%	31	34	90	69	NM	3	0	0
Rhode Island	8	9	-10.7%	0	0	8	9	0	0	0	0
Vermont	43	44	-2.3%	31	27	11	17	NM	0	0	0
Middle Atlantic	470	423	11.1%	0	0	373	321	43	42	53	59
New Jersey	84	59	42.4%	0	0	70	47	13	12	0	0
New York	185	178	4.1%	0	0	155	138	20	19	10	20
Pennsylvania	201	186	7.9%	0	0	148	136	10	11	44	39
East North Central	474	490	-3.2%	44	44	279	268	13	17	138	160
Illinois	51	43	17.6%	0	0	51	43	NM	0	0	0
Indiana	26	26	2.0%	23	22	0	0	NM	2	NM	2
Michigan	205	228	-10.4%	0	0	131	142	10	14	64	72
Ohio	58	49	18.2%	NM	0	32	22	0	0	25	26
Wisconsin	134	143	-6.2%	21	22	65	60	NM	1	47	60
West North Central	185	181	1.9%	42	37	90	94	8	4	45	45
Iowa	15	12	22.7%	2	2	7	7	NM	2	3	1
Kansas	4	5	-2.7%	0	0	4	5	0	0	0	0
Minnesota	151	155	-2.5%	33	29	77	81	NM	1	40	44
Missouri	8	5	80.6%	3	2	2	2	3	0	NM	0
Nebraska	5	5	1.7%	4	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	1,353	1,281	5.6%	121	81	442	402	29	21	760	777
Delaware	5	7	-30.5%	0	0	5	7	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	351	341	3.1%	8	9	170	176	NM	3	169	153
Georgia	305	290	5.3%	0	0	51	22	NM	3	252	264
Maryland	43	47	-7.8%	0	0	29	32	NM	3	10	12
North Carolina	211	206	2.3%	0	0	109	91	0	0	101	114
South Carolina	156	173	-10.0%	34	34	2	3	0	0	120	135
Virginia	282	217	29.9%	79	38	76	69	20	11	107	99
West Virginia	NM	1	NM	0	0	NM	1	0	0	0	0
East South Central	507	451	12.4%	8	7	14	17	0	0	485	426
Alabama	259	227	14.3%	NM	0	12	12	0	0	247	215
Kentucky	44	29	51.4%	8	7	0	0	0	0	36	22
Mississippi	120	126	-5.3%	0	0	0	1	0	0	120	125
Tennessee	84	69	22.2%	0	0	2	4	0	0	82	64
West South Central	505	564	-10.3%	0	0	59	74	NM	4	442	485
Arkansas	135	145	-7.4%	0	0	9	7	NM	1	125	138
Louisiana	212	243	-12.9%	0	0	5	7	0	0	207	236
Oklahoma	28	33	-13.8%	0	0	0	0	0	0	28	33
Texas	131	142	-8.1%	0	0	45	60	NM	4	82	78
Mountain	73	76	-4.0%	2	3	36	40	0	0	35	33
Arizona	14	17	-14.6%	2	2	12	14	0	0	0	0
Colorado	NM	5	NM	0	0	NM	5	0	0	0	0
Idaho	47	46	2.4%	0	1	12	12	0	0	35	33
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	-11.0%	0	0	5	5	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	793	738	7.4%	64	60	431	405	88	88	209	185
California	570	521	9.4%	17	19	403	367	86	86	65	49
Oregon	71	83	-15.2%	5	6	22	31	NM	2	42	45
Washington	151	133	13.4%	42	35	7	7	0	0	102	91
Pacific Noncontiguous	30	25	17.9%	3	1	0	0	16	12	10	12
Alaska	NM	0	NM	0	0	0	0	0	0	NM	0
Hawaii	29	25	17.6%	3	1	0	0	16	12	10	11
U.S. Total	5,065	4,874	3.9%	346	296	2,123	2,004	214	201	2,382	2,373

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	6,975	6,559	6.3%	607	502	4,142	4,041	136	115	2,090	1,901
Connecticut	614	615	-0.1%	0	0	614	615	0	0	0	0
Maine	3,154	2,898	8.8%	0	0	1,444	1,431	102	84	1,607	1,383
Massachusetts	1,554	1,583	-1.9%	0	0	1,071	1,065	NM	1	482	518
New Hampshire	1,156	1,069	8.1%	322	314	804	727	30	28	0	0
Rhode Island	87	92	-6.0%	0	0	87	92	0	0	0	0
Vermont	411	301	36.4%	286	188	122	111	NM	2	0	0
Middle Atlantic	5,036	4,937	2.0%	0	0	3,934	3,834	486	463	616	640
New Jersey	902	884	2.1%	0	0	762	741	140	143	0	0
New York	2,054	1,964	4.6%	0	0	1,617	1,544	230	202	206	218
Pennsylvania	2,080	2,089	-0.5%	0	0	1,554	1,549	116	118	410	422
East North Central	5,378	5,487	-2.0%	512	498	3,106	3,124	173	212	1,587	1,653
Illinois	575	571	0.7%	0	0	575	571	NM	0	0	0
Indiana	293	309	-5.2%	257	263	0	0	20	19	16	27
Michigan	2,321	2,434	-4.7%	0	0	1,475	1,521	140	178	705	735
Ohio	650	652	-0.2%	6	0	361	344	0	0	283	308
Wisconsin	1,538	1,520	1.1%	248	235	694	688	12	15	583	583
West North Central	2,018	1,980	1.9%	474	461	1,022	1,001	50	49	472	468
Iowa	145	141	2.9%	27	25	77	81	22	24	19	11
Kansas	51	53	-2.8%	0	0	51	53	0	0	0	0
Minnesota	1,700	1,673	1.6%	369	368	874	848	11	9	446	447
Missouri	62	50	25.5%	37	25	19	20	3	0	NM	4
Nebraska	56	58	-4.1%	41	42	0	0	14	16	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	14,463	13,941	3.7%	1,050	813	4,650	4,514	303	210	8,460	8,405
Delaware	56	99	-43.8%	0	0	56	99	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,979	3,928	1.3%	88	77	1,950	2,010	30	33	1,911	1,809
Georgia	3,285	2,962	10.9%	0	0	436	192	25	24	2,824	2,747
Maryland	493	502	-1.7%	0	0	344	340	35	32	114	130
North Carolina	2,350	2,330	0.9%	0	0	1,169	1,114	0	2	1,180	1,213
South Carolina	1,775	1,965	-9.7%	382	420	18	36	0	0	1,375	1,509
Virginia	2,516	2,147	17.2%	580	316	667	713	213	120	1,056	998
West Virginia	10	10	0.1%	0	0	10	10	0	0	0	0
East South Central	5,567	4,945	12.6%	88	90	204	228	0	0	5,276	4,627
Alabama	2,982	2,533	17.8%	NM	1	181	174	0	0	2,800	2,358
Kentucky	284	304	-6.4%	86	89	0	0	0	0	198	215
Mississippi	1,384	1,403	-1.4%	0	0	0	2	0	0	1,384	1,401
Tennessee	916	705	30.0%	0	0	23	52	0	0	893	653
West South Central	5,661	5,563	1.8%	0	0	721	739	36	36	4,904	4,788
Arkansas	1,521	1,507	0.9%	0	0	82	58	NM	5	1,434	1,444
Louisiana	2,304	2,189	5.2%	0	0	56	57	0	0	2,248	2,132
Oklahoma	310	331	-6.2%	0	0	0	0	0	0	310	331
Texas	1,526	1,536	-0.6%	0	0	583	624	31	31	911	881
Mountain	731	834	-12.3%	24	32	348	433	NM	3	359	366
Arizona	126	192	-34.5%	22	24	102	165	NM	3	0	0
Colorado	56	53	5.8%	2	0	54	53	0	0	0	0
Idaho	485	505	-4.0%	0	9	126	131	0	0	359	366
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	17	-100.0%	0	0	0	17	0	0	0	0
New Mexico	13	13	-3.4%	0	0	13	13	0	0	0	0
Utah	52	54	-3.3%	0	0	52	54	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	8,466	7,974	6.2%	616	592	4,548	4,235	950	912	2,352	2,235
California	6,073	5,745	5.7%	202	214	4,215	3,911	928	892	730	729
Oregon	809	755	7.2%	60	61	252	247	22	20	476	427
Washington	1,583	1,474	7.4%	355	318	82	77	0	0	1,147	1,078
Pacific Noncontiguous	281	264	6.2%	25	21	0	0	166	139	89	105
Alaska	NM	2	NM	0	0	0	0	0	0	NM	2
Hawaii	279	262	6.6%	25	21	0	0	166	139	88	103
U.S. Total	54,575	52,484	4.0%	3,396	3,010	22,673	22,150	2,301	2,138	26,206	25,186

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 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	272	259	4.9%	24	24	248	235	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	NM	7	NM	0	0	NM	7	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	233	222	4.9%	0	0	233	222	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	31	30	2.2%	24	24	NM	6	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,001	1,063	-5.8%	0	72	1,001	991	0	0	0	0
California	983	1,054	-6.7%	0	72	983	981	0	0	0	0
Oregon	18	NM	NM	0	0	18	NM	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	25	24	0.7%	0	0	25	24	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	25	24	0.7%	0	0	25	24	0	0	0	0
U.S. Total	1,298	1,347	-3.6%	24	97	1,274	1,250	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 November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 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	2,956	2,494	18.5%	225	244	2,731	2,251	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	94	68	38.8%	0	0	94	68	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	2,563	2,123	20.7%	0	0	2,563	2,123	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	300	304	-1.4%	225	244	75	60	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	11,888	11,437	3.9%	680	800	11,208	10,637	0	0	0	0
California	11,743	11,428	2.8%	680	800	11,064	10,628	0	0	0	0
Oregon	145	NM	NM	0	0	145	NM	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	249	240	3.5%	0	0	249	240	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	249	240	3.5%	0	0	249	240	0	0	0	0
U.S. Total	15,093	14,172	6.5%	905	1,044	14,188	13,128	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, November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	9	3	190.2%	NM	1	8	2	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	8	3	193.5%	NM	1	6	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	45	28	63.3%	4	3	35	22	6	3	NM	0
New Jersey	35	22	57.0%	4	3	25	17	5	3	NM	0
New York	3	3	2.9%	0	0	3	3	0	0	0	0
Pennsylvania	7	2	229.1%	0	0	6	2	NM	0	NM	0
East North Central	11	5	116.6%	NM	NM	10	5	NM	0	0	0
Illinois	NM	2	NM	0	0	NM	2	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	5	3	67.8%	NM	NM	NM	2	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	51	38	33.3%	8	10	38	28	4	0	0	0
Delaware	NM	1	NM	NM	0	NM	1	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	11	11	2.5%	6	9	5	2	NM	0	0	0
Georgia	NM	NM	NM	0	0	NM	NM	NM	0	0	0
Maryland	7	3	143.3%	NM	NM	6	2	NM	0	0	0
North Carolina	29	23	24.2%	NM	0	25	23	3	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	9	9	10.6%	0	0	9	8	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	9	9	10.6%	0	0	9	8	NM	0	0	0
Mountain	242	190	27.9%	17	20	221	164	4	5	NM	0
Arizona	159	104	52.4%	12	17	146	87	NM	0	0	0
Colorado	12	16	-27.8%	0	0	10	15	NM	1	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	48	44	8.2%	0	0	46	41	NM	3	NM	0
New Mexico	24	25	-3.1%	5	4	19	21	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	378	72	422.1%	28	18	344	51	5	3	NM	NM
California	376	72	423.1%	28	18	343	51	5	3	NM	NM
Oregon	NM	0	NM	NM	0	NM	0	0	0	0	0
Washington	0	0	51.9%	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	750	347	116.0%	59	52	669	283	21	11	NM	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.

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 November 2013 and 2012 (Thousand Megawatthours)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	121	32	278.4%	13	8	107	23	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	102	27	271.4%	13	8	88	18	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	16	5	258.7%	0	0	16	5	0	0	0	0
Middle Atlantic	645	371	73.9%	55	40	482	288	97	36	11	7
New Jersey	518	290	78.8%	55	40	365	213	96	36	NM	1
New York	50	51	-1.1%	0	0	50	51	0	0	0	0
Pennsylvania	77	31	150.9%	0	0	67	24	NM	0	NM	6
East North Central	126	63	100.5%	14	6	108	57	NM	0	0	0
Illinois	60	29	109.2%	0	0	60	29	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	60	34	75.3%	14	6	42	29	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	704	319	120.7%	183	159	490	156	31	4	0	0
Delaware	54	21	157.6%	NM	2	51	19	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	229	183	24.6%	163	151	64	32	NM	1	0	0
Georgia	NM	3	NM	0	0	NM	NM	NM	1	0	0
Maryland	75	20	278.9%	11	2	58	16	NM	1	0	0
North Carolina	339	92	269.7%	NM	3	315	87	18	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	31	11	197.6%	0	0	28	9	NM	2	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	31	11	197.6%	0	0	28	9	NM	2	0	0
West South Central	163	103	57.4%	0	0	160	103	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	163	103	57.4%	0	0	160	103	NM	0	0	0
Mountain	3,182	1,739	82.9%	278	183	2,828	1,506	73	48	NM	3
Arizona	1,890	849	122.5%	217	140	1,656	706	18	3	0	0
Colorado	190	152	25.0%	0	0	170	138	20	14	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	704	439	60.3%	0	0	666	407	35	30	NM	3
New Mexico	395	298	32.8%	62	43	333	255	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	3,512	1,336	162.9%	390	192	3,034	1,092	82	48	NM	4
California	3,491	1,329	162.6%	382	189	3,021	1,088	82	48	NM	4
Oregon	21	6	245.1%	NM	2	14	4	0	0	0	0
Washington	1	1	-5.6%	1	1	0	0	0	0	0	0
Pacific Noncontiguous	28	4	567.6%	0	0	28	4	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	28	4	567.6%	0	0	28	4	0	0	0	0
U.S. Total	8,515	3,978	114.0%	933	588	7,269	3,237	293	139	20	13

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 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2003-November 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
November	65,902	49,712	15,797	22	371
Year to Date					
2011	861,329	635,170	220,623	322	5,214
2012	752,517	560,951	187,020	279	4,267
2013	783,506	582,529	196,470	284	4,223
Rolling 12 Months Ending in November					
2012	826,127	615,097	205,937	305	4,788
2013	856,723	637,045	214,746	311	4,621

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-November 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
November	1,585	0	179	98	1,308
Year to Date					
2011	19,720	0	3,331	1,207	15,181
2012	17,648	0	2,572	1,030	14,046
2013	16,933	0	2,308	994	13,630
Rolling 12 Months Ending in November					
2012	19,460	0	2,868	1,143	15,449
2013	18,617	0	2,526	1,108	14,983

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-November 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
November	67,487	49,712	15,976	120	1,679
Year to Date					
2011	881,048	635,170	223,955	1,529	20,395
2012	770,165	560,951	189,591	1,309	18,314
2013	800,439	582,529	198,779	1,278	17,853
Rolling 12 Months Ending in November					
2012	845,587	615,097	208,805	1,448	20,237
2013	875,340	637,045	217,272	1,419	19,605

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-November 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
November	1,583	1,249	282	16	36
Year to Date					
2011	25,374	19,305	5,290	125	654
2012	20,559	16,176	3,494	249	641
2013	20,398	15,012	4,663	264	458
Rolling 12 Months Ending in November					
2012	22,511	17,715	3,837	257	703
2013	22,443	16,357	5,280	NM	519

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-November 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
November	212	0	88	8	116
Year to Date					
2011	3,540	0	928	164	2,447
2012	2,855	0	906	114	1,835
2013	2,671	0	951	127	1,593
Rolling 12 Months Ending in November					
2012	3,141	0	982	117	2,041
2013	2,914	0	1,037	NM	1,742

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-November 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
November	1,795	1,249	370	24	152
Year to Date					
2011	28,914	19,305	6,218	289	3,101
2012	23,414	16,176	4,400	362	2,476
2013	23,069	15,012	5,614	392	2,051
Rolling 12 Months Ending in November					
2012	25,652	17,715	4,819	374	2,745
2013	25,357	16,357	6,316	NM	2,261

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-November 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
November	309	217	61	0	30
Year to Date					
2011	4,647	3,197	1,189	1	261
2012	3,367	1,935	700	1	730
2013	4,514	3,137	729	1	647
Rolling 12 Months Ending in November					
2012	3,731	2,187	788	1	755
2013	4,822	3,307	785	1	729

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-November 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
November	111	0	9	1	101
Year to Date					
2011	984	0	101	4	879
2012	1,228	0	103	10	1,115
2013	1,012	0	100	9	902
Rolling 12 Months Ending in November					
2012	1,324	0	114	11	1,199
2013	1,130	0	110	11	1,009

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.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-November 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
November	420	217	71	1	131
Year to Date					
2011	5,632	3,197	1,290	5	1,139
2012	4,595	1,935	804	11	1,845
2013	5,526	3,137	829	11	1,550
Rolling 12 Months Ending in November					
2012	5,055	2,187	902	13	1,954
2013	5,952	3,307	895	12	1,738

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-November 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
November	629,045	267,622	303,282	5,004	53,136
Year to Date					
2011	7,241,810	3,175,045	3,503,797	42,861	520,107
2012	8,854,537	3,824,900	4,392,438	58,637	578,561
2013	7,818,257	3,468,552	3,723,401	54,180	572,125
Rolling 12 Months Ending in November					
2012	9,496,592	4,095,942	4,707,749	62,946	629,955
2013	8,448,431	3,745,578	4,017,222	58,659	626,972

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-November 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
November	74,937	0	27,288	4,237	43,412
Year to Date					
2011	763,912	0	281,128	35,774	447,011
2012	810,565	0	293,953	44,073	472,539
2013	811,808	0	299,517	42,070	470,221
Rolling 12 Months Ending in November					
2012	886,335	0	321,494	48,156	516,684
2013	887,345	0	328,172	45,879	513,294

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-November 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
November	703,981	267,622	330,570	9,241	96,549
Year to Date					
2011	8,005,722	3,175,045	3,784,924	78,635	967,118
2012	9,665,102	3,824,900	4,686,391	102,711	1,051,100
2013	8,630,066	3,468,552	4,022,918	96,250	1,042,346
Rolling 12 Months Ending in November					
2012	10,382,926	4,095,942	5,029,243	111,102	1,146,639
2013	9,335,776	3,745,578	4,345,394	104,538	1,140,266

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.A. Landfill Gas: Consumption for Electricity Generation, by Sector, 2003-November 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
November	24,535	2,529	19,307	2,406	293
Year to Date					
2011	212,048	19,967	164,607	27,122	352
2012	233,319	23,078	183,477	24,459	2,305
2013	270,994	28,257	214,541	25,256	2,941
Rolling 12 Months Ending in November					
2012	254,067	25,198	199,726	26,807	2,337
2013	294,050	30,372	233,029	27,469	NM

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

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

Values for 2012 and prior years are final. Values for 2013 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-November 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
November	385	0	330	47	8
Year to Date					
2011	2,882	0	2,475	324	83
2012	2,898	0	2,528	313	56
2013	4,325	0	3,766	443	117
Rolling 12 Months Ending in November					
2012	3,210	0	2,807	340	64
2013	4,616	0	4,026	469	NM

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

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

Values for 2012 and prior years are final. Values for 2013 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-November 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
November	24,920	2,529	19,637	2,452	301
Year to Date					
2011	214,930	19,967	167,082	27,447	435
2012	236,217	23,078	186,005	24,772	2,362
2013	275,320	28,257	218,307	25,698	3,057
Rolling 12 Months Ending in November					
2012	257,277	25,198	202,533	27,146	2,401
2013	298,667	30,372	237,055	27,938	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 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2003-November 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
November	1,254	40	1,028	186	1
Year to Date					
2011	15,500	356	13,349	1,791	4
2012	15,515	386	13,004	2,113	11
2013	14,399	422	11,949	2,021	8
Rolling 12 Months Ending in November					
2012	16,987	418	14,279	2,278	12
2013	15,853	453	13,180	2,211	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 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2003-November 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
November	156	0	54	88	14
Year to Date					
2011	1,863	0	681	1,041	141
2012	1,816	0	481	1,160	175
2013	1,810	0	560	1,098	153
Rolling 12 Months Ending in November					
2012	1,997	0	542	1,267	188
2013	1,980	0	601	1,211	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 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-November 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
November	1,410	40	1,082	274	15
Year to Date					
2011	17,363	356	14,031	2,832	145
2012	17,331	386	13,485	3,273	186
2013	16,209	422	12,509	3,118	161
Rolling 12 Months Ending in November					
2012	18,984	418	14,821	3,545	200
2013	17,833	453	13,781	3,422	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 2.7.A. Consumption of Coal for Electricity Generation by State, by Sector,
November 2013 and November 2012 (Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	196	170	15.0%	16	49	178	120	0	0	1	1
Connecticut	28	19	51.0%	0	0	28	19	0	0	0	0
Maine	1	1	4.0%	0	0	1	1	0	0	0	0
Massachusetts	150	101	48.0%	0	0	149	100	0	0	NM	1
New Hampshire	16	49	-67.0%	16	49	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	2,669	3,622	-26.0%	NM	0	2,646	3,601	NM	0	22	20
New Jersey	53	58	-8.3%	0	0	53	58	0	0	0	0
New York	96	194	-51.0%	NM	0	90	189	0	0	5	5
Pennsylvania	2,521	3,370	-25.0%	0	0	2,503	3,354	NM	0	17	16
East North Central	15,241	15,299	-0.4%	10,762	10,966	4,385	4,235	3	6	91	93
Illinois	4,048	4,250	-4.7%	474	502	3,519	3,690	1	3	54	54
Indiana	3,729	3,990	-6.6%	3,480	3,794	246	193	2	3	1	1
Michigan	2,644	2,594	1.9%	2,609	2,565	21	18	0	0	15	11
Ohio	2,999	2,637	14.0%	2,392	2,295	600	334	NM	0	7	8
Wisconsin	1,821	1,828	-0.4%	1,806	1,810	0	0	NM	0	14	18
West North Central	10,637	11,005	-3.3%	10,495	10,864	0	0	6	5	135	136
Iowa	1,329	1,885	-29.0%	1,250	1,820	0	0	4	3	75	61
Kansas	1,348	1,449	-6.9%	1,348	1,449	0	0	0	0	0	0
Minnesota	1,131	1,184	-4.5%	1,103	1,148	0	0	0	0	28	36
Missouri	3,506	3,148	11.0%	3,501	3,144	0	0	2	2	2	2
Nebraska	1,328	1,269	4.7%	1,306	1,240	0	0	0	0	22	29
North Dakota	1,817	1,906	-4.7%	1,810	1,899	0	0	0	0	7	7
South Dakota	176	165	7.2%	176	165	0	0	0	0	0	0
South Atlantic	9,663	9,867	-2.1%	7,850	7,754	1,756	2,062	3	3	54	47
Delaware	66	78	-15.0%	0	0	66	78	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,556	1,339	16.0%	1,510	1,331	42	2	0	0	4	5
Georgia	1,489	1,415	5.2%	1,482	1,404	0	0	0	0	7	11
Maryland	591	774	-24.0%	0	0	586	768	NM	2	3	4
North Carolina	1,652	1,931	-14.0%	1,591	1,861	55	66	1	1	4	3
South Carolina	907	888	2.1%	902	884	0	0	0	0	5	4
Virginia	828	587	41.0%	792	530	27	44	NM	0	9	12
West Virginia	2,574	2,853	-9.8%	1,572	1,744	980	1,102	0	0	22	8
East South Central	6,452	7,608	-15.0%	6,159	7,275	270	312	NM	0	23	22
Alabama	1,897	2,067	-8.2%	1,893	2,062	0	0	0	0	4	4
Kentucky	2,925	3,273	-11.0%	2,925	3,273	0	0	0	0	0	0
Mississippi	435	472	-7.8%	165	161	270	311	0	0	0	0
Tennessee	1,195	1,797	-34.0%	1,176	1,779	0	0	NM	0	18	18
West South Central	11,006	11,992	-8.2%	5,786	5,823	5,204	6,150	0	0	16	19
Arkansas	1,209	1,218	-0.8%	1,138	1,019	69	197	0	0	1	3
Louisiana	853	1,380	-38.0%	430	866	423	514	0	0	0	0
Oklahoma	1,644	1,323	24.0%	1,500	1,188	129	120	0	0	15	16
Texas	7,300	8,071	-9.5%	2,717	2,751	4,583	5,320	0	0	0	0
Mountain	9,194	9,478	-3.0%	8,408	8,299	766	1,158	0	0	20	20
Arizona	1,824	1,801	1.3%	1,824	1,801	0	0	0	0	0	0
Colorado	1,559	1,521	2.5%	1,556	1,518	3	3	0	0	NM	0
Idaho	1	3	-45.0%	0	0	0	0	0	0	1	3
Montana	660	1,027	-36.0%	NM	26	639	1,001	0	0	NM	1
Nevada	188	281	-33.0%	128	212	59	68	0	0	0	0
New Mexico	1,262	1,170	7.8%	1,262	1,170	0	0	0	0	0	0
Utah	1,302	1,212	7.5%	1,274	1,171	NM	41	0	0	0	0
Wyoming	2,398	2,462	-2.6%	2,344	2,401	NM	45	0	0	17	16
Pacific Contiguous	736	762	-3.4%	220	228	509	527	0	0	7	7
California	17	17	-0.2%	0	0	NM	10	0	0	6	6
Oregon	220	228	-3.5%	220	228	0	0	0	0	0	0
Washington	499	517	-3.5%	0	0	498	516	0	0	1	1
Pacific Noncontiguous	107	110	-2.9%	15	18	82	81	9	9	NM	2
Alaska	43	47	-8.6%	15	18	19	20	9	9	0	0
Hawaii	64	63	1.4%	0	0	62	62	0	0	NM	2
U.S. Total	65,902	69,913	-5.7%	49,712	51,276	15,797	18,245	22	25	371	366

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 November 2013 and November 2012 (Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	2,272	1,492	52.0%	508	415	1,751	1,068	0	0	13	9
Connecticut	297	258	15.0%	0	0	297	258	0	0	0	0
Maine	13	10	29.0%	0	0	6	5	0	0	7	5
Massachusetts	1,454	809	80.0%	0	0	1,449	804	0	0	6	4
New Hampshire	508	415	23.0%	508	415	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	40,077	40,223	-0.4%	NM	6	39,837	39,978	6	4	223	235
New Jersey	784	788	-0.4%	0	0	784	788	0	0	0	0
New York	2,063	1,979	4.3%	NM	6	1,991	1,908	0	0	63	65
Pennsylvania	37,229	37,457	-0.6%	0	0	37,062	37,282	6	4	161	171
East North Central	177,504	165,801	7.1%	125,784	116,408	50,662	48,320	78	89	980	984
Illinois	47,681	44,599	6.9%	5,691	5,791	41,398	38,211	21	27	571	570
Indiana	42,227	42,361	-0.3%	39,704	39,494	2,478	2,821	32	33	13	13
Michigan	29,161	27,119	7.5%	28,800	26,805	193	192	22	26	147	96
Ohio	36,905	33,874	8.9%	30,239	26,666	6,594	7,095	2	2	70	111
Wisconsin	21,530	17,847	21.0%	21,349	17,653	0	0	1	1	180	193
West North Central	126,111	122,917	2.6%	124,605	121,367	0	0	74	58	1,432	1,492
Iowa	18,605	19,664	-5.4%	17,757	18,852	0	0	47	39	801	772
Kansas	17,271	16,140	7.0%	17,271	16,140	0	0	0	0	0	0
Minnesota	12,464	12,178	2.3%	12,169	11,894	0	0	0	0	296	284
Missouri	40,804	38,480	6.0%	40,747	38,438	0	0	27	18	31	23
Nebraska	14,567	13,845	5.2%	14,336	13,492	0	0	0	0	231	353
North Dakota	20,644	20,859	-1.0%	20,570	20,798	0	0	0	0	74	60
South Dakota	1,756	1,751	0.3%	1,756	1,751	0	0	0	0	0	0
South Atlantic	107,744	107,471	0.3%	88,567	89,320	18,592	17,582	31	29	554	540
Delaware	676	630	7.3%	0	0	676	630	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	19,036	18,239	4.4%	18,468	17,626	525	567	0	0	43	47
Georgia	18,736	19,718	-5.0%	18,639	19,581	0	0	0	0	97	137
Maryland	6,222	6,424	-3.1%	0	0	6,169	6,366	19	18	34	39
North Carolina	17,708	19,234	-7.9%	17,029	18,577	624	604	7	7	47	47
South Carolina	9,179	10,787	-15.0%	9,122	10,708	0	17	0	0	57	62
Virginia	8,731	5,672	54.0%	8,182	5,122	441	433	5	4	103	114
West Virginia	27,457	26,767	2.6%	17,127	17,708	10,156	8,966	0	0	174	94
East South Central	79,596	77,402	2.8%	76,426	74,415	2,891	2,726	5	4	273	258
Alabama	22,476	21,079	6.6%	22,429	21,023	0	13	0	0	48	43
Kentucky	35,939	35,486	1.3%	35,939	35,486	0	0	0	0	0	0
Mississippi	5,360	4,786	12.0%	2,469	2,073	2,891	2,713	0	0	0	0
Tennessee	15,821	16,051	-1.4%	15,590	15,833	0	0	5	4	226	215
West South Central	139,992	134,976	3.7%	71,917	70,162	67,889	64,626	0	0	186	188
Arkansas	17,005	15,538	9.4%	14,947	13,284	2,038	2,232	0	0	21	22
Louisiana	12,701	13,319	-4.6%	6,311	7,222	6,388	6,097	0	0	NM	0
Oklahoma	17,219	16,962	1.5%	15,999	15,742	1,056	1,054	0	0	164	166
Texas	93,067	89,157	4.4%	34,660	33,914	58,407	55,242	0	0	0	0
Mountain	102,918	97,104	6.0%	92,589	87,294	9,861	9,340	0	0	469	470
Arizona	21,257	19,535	8.8%	21,257	19,477	0	0	0	0	0	58
Colorado	17,143	17,262	-0.7%	17,106	17,223	32	34	0	0	5	5
Idaho	16	15	3.5%	0	0	0	0	0	0	16	15
Montana	8,651	8,102	6.8%	230	223	8,413	7,872	0	0	8	7
Nevada	2,657	2,006	32.0%	1,989	1,442	667	564	0	0	0	0
New Mexico	13,287	13,136	1.2%	13,287	13,136	0	0	0	0	0	0
Utah	14,395	13,034	10.0%	13,791	12,409	335	405	0	0	269	220
Wyoming	25,512	24,015	6.2%	24,928	23,384	414	465	0	0	171	166
Pacific Contiguous	6,212	3,959	57.0%	1,955	1,376	4,182	2,508	0	0	75	76
California	377	474	-20.0%	0	0	310	406	0	0	67	68
Oregon	1,955	1,376	42.0%	1,955	1,376	0	0	0	0	0	0
Washington	3,880	2,110	84.0%	0	0	3,872	2,102	0	0	8	8
Pacific Noncontiguous	1,080	1,172	-7.8%	167	189	806	873	90	96	17	15
Alaska	447	482	-7.3%	167	189	190	198	90	96	0	0
Hawaii	633	690	-8.2%	0	0	616	675	0	0	17	15
U.S. Total	783,506	752,517	4.1%	582,529	560,951	196,470	187,020	284	279	4,223	4,267

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	54	76	-28.0%	12	9	36	59	4	5	1	3
Connecticut	9	9	-4.8%	NM	0	8	9	NM	0	NM	0
Maine	9	36	-76.0%	NM	0	8	35	NM	0	1	0
Massachusetts	24	23	2.7%	5	4	17	15	NM	3	0	2
New Hampshire	9	2	279.0%	5	2	4	0	NM	0	NM	0
Rhode Island	2	2	-25.0%	2	2	0	0	NM	0	0	0
Vermont	NM	2	NM	NM	1	0	0	NM	1	0	0
Middle Atlantic	70	135	-48.0%	12	36	50	88	NM	4	6	6
New Jersey	3	2	48.0%	NM	0	3	2	NM	0	NM	0
New York	33	79	-58.0%	12	36	15	34	NM	4	5	6
Pennsylvania	33	54	-38.0%	NM	0	33	53	NM	0	NM	1
East North Central	88	114	-22.0%	69	90	17	23	NM	0	2	1
Illinois	11	17	-37.0%	3	5	7	12	NM	0	NM	0
Indiana	18	17	5.9%	17	16	NM	0	NM	0	1	1
Michigan	18	20	-13.0%	17	20	0	0	0	0	1	0
Ohio	36	46	-21.0%	26	35	10	11	NM	0	0	0
Wisconsin	6	14	-58.0%	6	14	NM	0	NM	0	NM	0
West North Central	48	47	1.2%	47	46	NM	0	NM	0	0	0
Iowa	12	14	-15.0%	12	14	NM	0	NM	0	NM	0
Kansas	6	13	-50.0%	6	13	0	0	0	0	0	0
Minnesota	6	2	151.0%	5	2	NM	0	NM	0	NM	0
Missouri	12	7	85.0%	12	7	NM	0	NM	0	0	0
Nebraska	3	2	39.0%	3	2	0	0	0	0	0	0
North Dakota	8	9	-11.0%	8	9	0	0	NM	0	NM	0
South Dakota	NM	0	NM	NM	0	NM	0	NM	0	0	0
South Atlantic	218	161	36.0%	173	117	29	19	9	12	8	13
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	51	26	92.0%	47	22	2	2	0	0	2	2
Georgia	20	20	1.0%	16	12	1	1	NM	0	2	6
Maryland	26	22	17.0%	1	1	16	9	9	12	0	0
North Carolina	52	30	75.0%	50	28	NM	2	NM	0	1	1
South Carolina	22	17	26.0%	21	16	0	0	NM	0	1	1
Virginia	22	23	-2.8%	13	17	8	3	NM	0	NM	2
West Virginia	26	21	21.0%	26	21	0	0	0	0	0	0
East South Central	49	50	-2.1%	46	47	NM	0	NM	0	3	4
Alabama	10	16	-38.0%	7	13	NM	0	0	0	3	3
Kentucky	26	19	39.0%	26	19	0	0	0	0	0	0
Mississippi	2	1	104.0%	2	1	0	0	0	0	0	0
Tennessee	11	14	-22.0%	11	14	0	0	NM	0	NM	0
West South Central	33	24	38.0%	10	15	21	8	NM	0	2	1
Arkansas	5	7	-31.0%	2	6	3	1	0	0	0	0
Louisiana	13	3	314.0%	2	1	10	2	0	0	1	1
Oklahoma	1	2	-40.0%	1	2	0	0	NM	0	NM	0
Texas	14	12	19.0%	6	6	8	6	NM	0	NM	0
Mountain	44	39	13.0%	40	37	4	1	NM	0	0	0
Arizona	13	9	45.0%	13	9	0	0	NM	0	0	0
Colorado	4	3	12.0%	4	3	0	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	3	1	216.0%	NM	0	3	1	0	0	0	0
Nevada	4	2	44.0%	3	2	1	0	0	0	0	0
New Mexico	11	10	7.7%	11	10	NM	0	0	0	NM	0
Utah	5	6	-24.0%	5	6	NM	0	0	0	NM	0
Wyoming	5	7	-25.0%	5	7	0	0	0	0	0	0
Pacific Contiguous	13	10	31.0%	6	6	2	3	NM	0	5	1
California	5	5	0.6%	5	5	0	0	NM	0	NM	0
Oregon	NM	1	NM	0	1	0	0	NM	0	0	0
Washington	7	4	89.0%	NM	0	2	2	NM	0	5	1
Pacific Noncontiguous	966	992	-2.7%	833	880	122	92	NM	1	9	19
Alaska	105	119	-12.0%	98	111	0	0	NM	1	6	6
Hawaii	861	873	-1.4%	735	768	122	92	0	0	3	13
U.S. Total	1,583	1,648	-3.9%	1,249	1,282	282	294	16	23	36	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.
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 November 2013 and November 2012 (Thousand Barrels)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	1,418	853	66.0%	252	116	1,062	622	73	76	31	39
Connecticut	421	249	69.0%	6	8	410	237	NM	0	NM	4
Maine	358	183	96.0%	NM	0	339	163	NM	5	13	14
Massachusetts	432	315	37.0%	103	30	283	221	34	44	13	21
New Hampshire	131	57	131.0%	113	45	NM	0	13	11	NM	0
Rhode Island	48	29	66.0%	20	28	26	0	NM	1	0	0
Vermont	NM	21	NM	9	6	0	0	NM	15	0	0
Middle Atlantic	2,334	1,648	42.0%	836	634	1,412	928	NM	21	69	64
New Jersey	159	76	111.0%	NM	9	150	65	NM	1	NM	1
New York	1,602	1,024	56.0%	828	625	698	324	NM	17	64	59
Pennsylvania	573	548	4.5%	NM	0	564	540	NM	4	4	4
East North Central	1,087	1,155	-5.9%	865	968	201	168	NM	3	18	17
Illinois	133	127	4.5%	49	45	84	82	NM	0	NM	0
Indiana	230	200	15.0%	221	192	NM	0	NM	0	9	8
Michigan	241	263	-8.2%	234	255	0	0	2	2	6	6
Ohio	414	468	-11.0%	299	383	113	82	NM	0	3	2
Wisconsin	68	97	-29.0%	63	92	4	4	NM	0	1	1
West North Central	549	585	-6.1%	540	568	5	11	NM	2	3	3
Iowa	152	185	-18.0%	148	180	3	4	NM	0	NM	0
Kansas	96	71	35.0%	96	71	0	0	0	0	0	0
Minnesota	56	61	-8.6%	52	52	1	6	NM	2	2	2
Missouri	127	147	-14.0%	127	147	NM	0	NM	0	0	0
Nebraska	43	42	2.5%	43	42	0	0	0	0	0	0
North Dakota	58	63	-7.4%	57	62	0	0	NM	0	1	1
South Dakota	18	17	10.0%	18	16	NM	1	NM	0	0	0
South Atlantic	2,763	3,280	-16.0%	2,080	2,448	415	517	155	133	114	182
Delaware	42	43	-3.7%	NM	1	40	42	0	0	0	0
District of Columbia	0	26	-100.0%	0	0	0	26	0	0	0	0
Florida	825	1,233	-33.0%	786	1,179	NM	19	0	0	29	34
Georgia	161	221	-27.0%	118	121	NM	3	2	3	39	94
Maryland	401	382	5.1%	11	14	238	233	151	128	1	7
North Carolina	366	333	9.9%	345	312	12	9	NM	0	9	11
South Carolina	197	205	-3.7%	180	186	0	4	NM	0	17	15
Virginia	528	608	-13.0%	399	406	110	180	1	2	19	20
West Virginia	242	229	5.7%	240	227	2	2	0	0	0	0
East South Central	580	689	-16.0%	525	628	2	3	NM	0	53	57
Alabama	150	177	-15.0%	98	121	2	3	0	0	50	52
Kentucky	203	209	-3.0%	203	209	0	0	0	0	0	0
Mississippi	23	28	-19.0%	20	25	0	0	0	0	3	3
Tennessee	205	275	-26.0%	204	273	0	0	NM	0	NM	2
West South Central	434	381	14.0%	240	114	170	246	NM	1	23	19
Arkansas	183	50	268.0%	157	28	25	20	0	0	1	2
Louisiana	87	59	47.0%	23	18	45	27	0	0	20	15
Oklahoma	16	20	-24.0%	15	20	0	0	NM	0	NM	1
Texas	148	251	-41.0%	46	48	100	200	NM	1	NM	2
Mountain	367	392	-6.5%	328	345	35	42	0	0	3	6
Arizona	76	73	3.2%	75	72	0	0	NM	0	0	1
Colorado	22	26	-16.0%	21	26	1	0	0	0	NM	0
Idaho	NM	0	NM	NM	0	0	0	0	0	0	0
Montana	27	29	-9.6%	NM	0	27	29	0	0	0	0
Nevada	31	37	-14.0%	25	27	6	9	0	0	0	0
New Mexico	89	75	18.0%	88	74	NM	1	0	0	NM	0
Utah	55	64	-14.0%	53	61	NM	2	0	0	NM	1
Wyoming	68	87	-23.0%	65	84	0	0	0	0	3	3
Pacific Contiguous	136	153	-11.0%	71	79	28	43	NM	2	36	29
California	77	90	-14.0%	55	57	NM	30	NM	1	9	3
Oregon	NM	11	NM	10	11	0	0	NM	0	0	0
Washington	49	51	-3.7%	NM	11	15	14	NM	0	28	26
Pacific Noncontiguous	10,729	11,424	-6.1%	9,275	10,275	1,333	913	13	10	107	226
Alaska	1,107	1,519	-27.0%	1,034	1,435	0	0	8	7	64	77
Hawaii	9,622	9,906	-2.9%	8,241	8,840	1,333	913	5	3	43	149
U.S. Total	20,398	20,559	-0.8%	15,012	16,176	4,663	3,494	264	249	458	641

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 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	5	NM	0	0	0	0	0	0	NM	5
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	4	NM	0	0	0	0	0	0	NM	4
East North Central	115	43	165.0%	65	0	45	37	0	0	5	6
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	33	0	--	33	0	0	0	0	0	0	0
Michigan	36	5	682.0%	31	0	3	3	0	0	2	2
Ohio	42	35	22.0%	0	0	42	34	0	0	0	0
Wisconsin	5	4	11.0%	1	0	0	0	0	0	4	4
West North Central	0	0	-24.0%	0	0	0	0	0	0	0	0
Iowa	0	0	-24.0%	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	19	20	-7.0%	17	16	0	0	0	0	1	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	17	16	7.5%	17	16	0	0	0	0	0	0
Georgia	1	4	-67.0%	0	0	0	0	0	0	1	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	31	53	-43.0%	31	53	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	31	53	-43.0%	31	53	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	124	174	-29.0%	105	105	0	0	0	0	19	69
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	111	112	-1.6%	105	105	0	0	0	0	6	7
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	13	62	-79.0%	0	0	0	0	0	0	13	62
Mountain	15	16	-8.5%	0	0	15	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	15	16	-8.5%	0	0	15	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	309	314	-1.6%	217	175	61	55	0	0	30	84

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 November 2013 and November 2012 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 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	71	51	38.0%	0	0	0	0	0	0	71	51
New Jersey	NM	10	NM	0	0	0	0	0	0	NM	10
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	46	41	12.0%	0	0	0	0	0	0	46	41
East North Central	946	757	25.0%	377	236	500	463	0	0	68	58
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	300	204	47.0%	300	204	0	0	0	0	0	0
Michigan	106	49	117.0%	51	0	28	31	0	0	26	18
Ohio	475	432	9.8%	0	0	472	432	0	0	3	0
Wisconsin	66	72	-8.1%	26	31	0	0	0	0	40	40
West North Central	1	6	-80.0%	0	5	0	0	1	1	0	0
Iowa	1	6	-80.0%	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	764	292	162.0%	731	243	0	0	0	0	33	49
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	731	243	201.0%	731	243	0	0	0	0	0	0
Georgia	33	49	-33.0%	0	0	0	0	0	0	33	49
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	456	485	-6.0%	456	485	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	456	485	-6.0%	456	485	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	2,093	1,563	34.0%	1,573	966	45	25	0	0	475	572
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,691	1,038	63.0%	1,573	966	0	0	0	0	119	72
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	402	525	-23.0%	0	0	45	25	0	0	357	500
Mountain	156	156	0.1%	0	0	156	156	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	156	156	0.1%	0	0	156	156	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	27	57	-52.0%	0	0	27	57	0	0	0	0
California	27	57	-52.0%	0	0	27	57	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	4,514	3,367	34.0%	3,137	1,935	729	700	1	1	647	730

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	26,950	32,328	-17.0%	111	291	24,590	29,680	669	759	1,581	1,598
Connecticut	8,766	11,646	-25.0%	8	7	8,289	10,986	288	390	181	263
Maine	3,008	2,879	4.5%	0	0	1,678	1,624	NM	20	1,308	1,235
Massachusetts	9,864	12,103	-19.0%	91	242	9,370	11,455	320	313	NM	94
New Hampshire	2,416	2,281	5.9%	8	37	2,388	2,232	NM	6	NM	6
Rhode Island	2,893	3,415	-15.0%	0	0	2,864	3,384	NM	31	0	0
Vermont	4	4	-9.5%	4	4	0	0	0	0	0	0
Middle Atlantic	72,960	79,236	-7.9%	9,116	9,536	62,503	68,225	670	659	672	815
New Jersey	14,943	11,743	27.0%	NM	26	14,576	11,343	NM	69	265	305
New York	30,511	39,184	-22.0%	9,112	9,509	20,777	29,013	494	504	128	158
Pennsylvania	27,505	28,309	-2.8%	0	2	27,150	27,869	NM	86	279	352
East North Central	33,559	34,405	-2.5%	11,227	12,340	20,294	20,429	1,183	801	856	835
Illinois	2,949	3,780	-22.0%	81	73	2,069	3,133	660	471	139	102
Indiana	5,572	6,774	-18.0%	4,245	4,613	1,107	1,939	NM	31	199	192
Michigan	7,023	7,800	-10.0%	1,697	1,530	4,681	5,601	247	236	398	433
Ohio	13,804	11,012	25.0%	3,312	3,377	10,210	7,535	NM	44	NM	54
Wisconsin	4,210	5,040	-16.0%	1,892	2,747	2,227	2,221	NM	18	NM	53
West North Central	8,573	7,071	21.0%	7,648	5,970	652	793	NM	161	112	147
Iowa	973	991	-1.9%	950	935	0	0	NM	4	NM	52
Kansas	1,344	859	56.0%	1,310	841	0	0	0	0	34	18
Minnesota	3,774	3,178	19.0%	3,083	2,280	512	716	NM	153	NM	29
Missouri	1,641	1,875	-12.0%	1,484	1,793	140	78	17	4	NM	1
Nebraska	339	157	116.0%	327	115	0	0	NM	0	NM	42
North Dakota	NM	4	NM	NM	0	0	0	0	0	NM	4
South Dakota	494	6	NM	494	6	0	0	0	0	0	0
South Atlantic	134,822	131,284	2.7%	109,134	107,520	23,360	21,846	241	209	2,087	1,709
Delaware	2,998	2,727	9.9%	0	4	2,340	2,296	0	0	658	427
District of Columbia	NM	68	NM	0	0	0	0	NM	68	0	0
Florida	76,217	74,870	1.8%	70,122	70,019	5,333	4,224	NM	11	752	615
Georgia	19,886	20,686	-3.9%	16,343	14,701	3,149	5,561	0	0	394	424
Maryland	706	3,077	-77.0%	0	0	534	2,915	NM	128	NM	34
North Carolina	15,703	7,923	98.0%	11,351	6,370	4,300	1,515	6	2	45	36
South Carolina	5,506	10,470	-47.0%	4,224	9,631	1,202	767	0	0	81	72
Virginia	13,688	11,338	21.0%	7,086	6,772	6,474	4,469	0	0	128	98
West Virginia	NM	125	NM	7	23	28	99	0	0	NM	3
East South Central	48,056	50,847	-5.5%	27,846	29,067	18,337	19,511	NM	107	1,761	2,162
Alabama	27,402	27,478	-0.3%	9,854	9,213	16,876	17,527	0	0	672	738
Kentucky	721	1,406	-49.0%	582	1,304	0	28	0	0	139	75
Mississippi	17,716	17,460	1.5%	15,312	14,158	1,460	1,956	NM	6	935	1,340
Tennessee	2,218	4,502	-51.0%	2,098	4,393	0	0	NM	101	16	9
West South Central	168,007	152,756	10.0%	43,809	43,852	85,331	71,862	434	349	38,433	36,693
Arkansas	4,238	6,988	-39.0%	1,355	374	2,755	6,496	NM	0	127	117
Louisiana	35,521	32,368	9.7%	10,559	13,519	7,581	2,949	NM	16	17,359	15,884
Oklahoma	14,344	14,752	-2.8%	11,338	12,251	2,951	2,473	NM	0	54	28
Texas	113,904	98,649	15.0%	20,556	17,708	72,043	59,944	412	333	20,893	20,664
Mountain	43,604	37,139	17.0%	26,953	24,084	15,246	11,942	272	167	1,133	947
Arizona	11,679	8,590	36.0%	5,216	4,696	6,367	3,852	96	42	0	0
Colorado	5,590	6,183	-9.6%	3,628	3,631	1,943	2,538	0	0	NM	14
Idaho	2,142	993	116.0%	992	137	1,116	822	0	0	NM	34
Montana	NM	303	NM	NM	288	NM	15	0	0	0	0
Nevada	12,960	12,711	2.0%	9,825	9,809	2,880	2,702	NM	43	195	158
New Mexico	5,433	4,202	29.0%	3,161	2,721	2,199	1,431	73	49	0	0
Utah	5,139	3,913	31.0%	3,731	2,784	706	569	NM	33	659	527
Wyoming	270	243	11.0%	NM	18	NM	12	0	0	226	213
Pacific Contiguous	89,616	82,981	8.0%	28,925	28,888	52,971	46,480	1,260	1,257	6,459	6,356
California	72,276	72,003	0.4%	19,142	23,383	45,532	41,187	1,223	1,204	6,379	6,229
Oregon	10,244	8,255	24.0%	3,389	3,205	6,765	4,917	NM	52	56	81
Washington	7,096	2,724	161.0%	6,394	2,300	674	376	NM	2	23	46
Pacific Noncontiguous	2,899	3,631	-20.0%	2,854	3,573	0	0	NM	2	NM	56
Alaska	2,899	3,631	-20.0%	2,854	3,573	0	0	NM	2	NM	56
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	629,045	611,680	2.8%	267,622	265,122	303,282	290,769	5,004	4,472	53,136	51,317

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 2.10.B. Consumption of Natural Gas for Electricity Generation by State, by Sector,
Year-to-Date through November 2013 and November 2012 (Million Cubic Feet)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	361,990	432,408	-16.0%	2,457	3,557	334,164	402,842	7,710	7,896	17,658	18,114
Connecticut	104,242	110,476	-5.6%	85	66	98,338	104,298	3,480	3,605	2,339	2,507
Maine	32,887	41,485	-21.0%	0	0	18,498	26,924	NM	287	14,125	14,273
Massachusetts	152,614	175,768	-13.0%	1,978	2,703	146,121	168,423	3,436	3,430	1,078	1,212
New Hampshire	27,465	47,172	-42.0%	355	754	26,877	46,167	NM	129	NM	122
Rhode Island	44,743	57,474	-22.0%	0	0	44,331	57,029	412	445	0	0
Vermont	39	33	18.0%	39	33	0	0	0	0	0	0
Middle Atlantic	916,440	1,020,165	-10.0%	113,320	121,110	787,644	882,207	7,252	7,303	8,223	9,545
New Jersey	192,426	207,872	-7.4%	NM	294	187,847	202,586	1,203	1,310	3,171	3,682
New York	402,719	456,969	-12.0%	113,097	120,794	282,992	329,569	5,070	4,906	1,559	1,700
Pennsylvania	321,295	355,324	-9.6%	NM	22	316,805	350,051	980	1,087	3,493	4,164
East North Central	423,538	607,277	-30.0%	156,408	219,995	244,882	361,339	12,610	13,675	9,638	12,268
Illinois	55,441	92,491	-40.0%	5,129	12,552	41,292	70,477	7,178	7,314	1,842	2,148
Indiana	69,201	106,813	-35.0%	47,590	81,126	18,865	22,517	268	288	2,477	2,882
Michigan	92,245	164,918	-44.0%	24,996	40,063	60,828	116,418	2,370	2,668	4,051	5,769
Ohio	148,628	160,818	-7.6%	47,747	41,745	97,452	115,136	2,654	3,108	774	828
Wisconsin	58,022	82,237	-29.0%	30,945	44,508	26,445	36,791	139	298	493	641
West North Central	126,307	161,885	-22.0%	107,809	137,091	15,115	20,003	1,729	2,812	1,655	1,979
Iowa	12,550	16,005	-22.0%	12,322	15,421	NM	0	33	54	NM	529
Kansas	23,648	32,626	-28.0%	23,002	31,898	0	0	0	0	646	728
Minnesota	47,093	53,876	-13.0%	37,888	43,100	7,723	8,657	929	1,667	554	452
Missouri	34,100	49,178	-31.0%	25,937	36,733	7,390	11,346	763	1,088	NM	11
Nebraska	4,941	7,812	-37.0%	4,770	7,642	0	0	NM	4	NM	167
North Dakota	91	92	-0.9%	NM	1	0	0	0	0	85	91
South Dakota	3,884	2,296	69.0%	3,884	2,296	0	0	0	0	0	0
South Atlantic	1,732,272	1,879,266	-7.8%	1,381,855	1,442,371	323,303	412,799	2,804	3,100	24,311	20,996
Delaware	46,585	55,997	-17.0%	NM	81	37,196	49,760	0	0	9,331	6,156
District of Columbia	898	942	-4.6%	0	0	0	0	898	942	0	0
Florida	963,257	1,058,960	-9.0%	888,164	964,331	66,587	86,049	155	153	8,350	8,427
Georgia	265,500	285,624	-7.0%	199,520	165,176	62,102	117,064	0	0	3,878	3,385
Maryland	23,469	49,904	-53.0%	0	0	21,417	47,111	1,721	1,970	331	823
North Carolina	182,624	139,676	31.0%	120,624	117,766	61,409	21,510	25	35	566	364
South Carolina	88,056	109,316	-19.0%	74,594	91,483	12,687	17,101	NM	0	772	732
Virginia	159,137	176,469	-9.8%	98,443	103,100	59,672	72,320	0	0	1,022	1,049
West Virginia	2,746	2,378	15.0%	452	434	2,233	1,883	0	0	62	60
East South Central	593,585	755,788	-21.0%	335,298	406,213	233,761	324,361	1,313	1,329	23,214	23,885
Alabama	313,376	377,135	-17.0%	98,555	103,392	206,839	265,649	0	0	7,981	8,095
Kentucky	15,655	32,425	-52.0%	11,917	27,107	2,137	3,482	0	0	1,601	1,837
Mississippi	229,875	286,849	-20.0%	191,541	217,786	24,784	55,230	NM	96	13,457	13,737
Tennessee	34,679	59,378	-42.0%	33,284	57,928	0	0	1,221	1,233	174	217
West South Central	2,127,001	2,408,366	-12.0%	665,162	777,215	1,047,001	1,216,060	5,425	5,657	409,413	409,434
Arkansas	82,701	118,692	-30.0%	25,144	23,357	56,142	94,100	NM	7	1,408	1,229
Louisiana	412,506	459,801	-10.0%	172,442	209,049	63,010	74,499	224	235	176,831	176,018
Oklahoma	226,947	303,489	-25.0%	172,550	220,356	53,764	82,503	86	60	547	570
Texas	1,404,847	1,526,384	-8.0%	295,026	324,453	874,085	964,958	5,109	5,355	230,627	231,618
Mountain	581,314	615,992	-5.6%	344,764	369,591	221,891	230,511	2,788	2,906	11,871	12,985
Arizona	189,840	222,737	-15.0%	81,160	107,647	107,708	113,971	973	1,081	0	38
Colorado	78,692	79,445	-0.9%	43,893	45,407	34,580	33,814	42	28	177	196
Idaho	21,552	13,000	66.0%	10,598	4,227	10,568	8,384	0	0	386	389
Montana	4,408	5,054	-13.0%	4,179	4,842	NM	212	0	0	0	0
Nevada	165,718	173,466	-4.5%	123,745	125,670	39,450	45,089	602	577	1,922	2,130
New Mexico	67,106	67,481	-0.6%	44,534	44,672	21,830	22,025	740	780	2	4
Utah	50,917	51,807	-1.7%	36,284	36,842	7,341	6,855	432	439	6,859	7,671
Wyoming	3,080	3,002	2.6%	NM	285	NM	160	0	0	2,525	2,557
Pacific Contiguous	924,940	936,044	-1.2%	331,041	310,989	515,640	542,318	12,531	13,941	65,728	68,795
California	767,035	823,042	-6.8%	239,760	254,208	450,334	487,699	12,139	13,436	64,801	67,699
Oregon	89,122	76,118	17.0%	31,244	26,770	56,956	48,151	379	476	543	721
Washington	68,783	36,884	86.0%	60,037	30,012	8,349	6,468	14	29	383	375
Pacific Noncontiguous	30,871	37,346	-17.0%	30,438	36,769	0	0	NM	18	416	558
Alaska	30,871	37,346	-17.0%	30,438	36,769	0	0	NM	18	416	558
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	7,818,257	8,854,537	-12.0%	3,468,552	3,824,900	3,723,401	4,392,438	54,180	58,637	572,125	578,561

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	956	819	17.0%	0	0	892	772	NM	47	0	0
Connecticut	NM	49	NM	0	0	NM	49	0	0	0	0
Maine	NM	46	NM	0	0	NM	46	0	0	0	0
Massachusetts	354	299	19.0%	0	0	354	299	0	0	0	0
New Hampshire	193	162	19.0%	0	0	129	115	NM	47	0	0
Rhode Island	236	206	15.0%	0	0	236	206	0	0	0	0
Vermont	NM	58	NM	0	0	NM	58	0	0	0	0
Middle Atlantic	4,761	3,868	23.0%	0	0	4,729	3,844	NM	24	0	0
New Jersey	1,002	532	88.0%	0	0	1,002	532	0	0	0	0
New York	1,573	1,388	13.0%	0	0	1,573	1,388	0	0	0	0
Pennsylvania	2,185	1,948	12.0%	0	0	2,153	1,925	NM	24	0	0
East North Central	6,285	4,826	30.0%	724	497	5,496	4,287	NM	18	NM	23
Illinois	1,556	1,119	39.0%	0	0	1,556	1,119	0	0	0	0
Indiana	725	503	44.0%	686	480	0	0	0	0	NM	23
Michigan	1,673	1,519	10.0%	0	0	1,673	1,519	0	0	0	0
Ohio	1,014	565	80.0%	NM	0	995	565	0	0	0	0
Wisconsin	1,316	1,120	18.0%	NM	17	1,271	1,084	NM	18	0	0
West North Central	945	759	24.0%	281	244	664	515	0	0	0	0
Iowa	208	160	30.0%	0	0	208	160	0	0	0	0
Kansas	126	97	30.0%	0	0	126	97	0	0	0	0
Minnesota	348	286	22.0%	NM	66	281	219	0	0	0	0
Missouri	148	128	16.0%	NM	89	NM	39	0	0	0	0
Nebraska	115	88	30.0%	115	88	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	3,677	3,671	0.2%	457	444	2,706	2,810	261	217	NM	199
Delaware	137	162	-15.0%	0	0	137	162	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	601	729	-18.0%	167	173	434	555	0	0	0	0
Georgia	288	357	-19.0%	0	0	233	299	NM	58	0	0
Maryland	320	306	4.8%	0	0	144	175	NM	130	0	0
North Carolina	565	486	16.0%	0	0	565	480	0	6	0	0
South Carolina	576	488	18.0%	290	263	NM	26	0	0	NM	199
Virginia	1,167	1,121	4.1%	0	8	1,137	1,089	NM	23	0	0
West Virginia	NM	23	NM	0	0	NM	23	0	0	0	0
East South Central	323	317	1.9%	238	187	NM	130	0	0	0	0
Alabama	NM	22	NM	0	0	NM	22	0	0	0	0
Kentucky	238	187	27.0%	238	187	0	0	0	0	0	0
Mississippi	0	15	-100.0%	0	0	0	15	0	0	0	0
Tennessee	NM	93	NM	0	0	NM	93	0	0	0	0
West South Central	1,526	1,608	-5.1%	0	0	1,446	1,538	NM	70	0	0
Arkansas	125	123	2.1%	0	0	125	123	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	1,401	1,485	-5.7%	0	0	1,320	1,415	NM	70	0	0
Mountain	338	397	-15.0%	NM	84	265	313	0	0	0	0
Arizona	113	136	-17.0%	NM	62	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	41	-100.0%	0	0	0	41	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	124	106	17.0%	0	0	124	106	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,724	5,263	8.8%	756	645	3,025	2,678	1,943	1,940	0	0
California	4,930	4,657	5.9%	284	292	2,760	2,466	1,887	1,899	0	0
Oregon	439	347	26.0%	139	113	243	193	NM	41	0	0
Washington	355	259	37.0%	333	240	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	24,535	21,528	14.0%	2,529	2,102	19,307	16,887	2,406	2,317	293	223

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	10,663	8,807	21.0%	0	0	10,068	8,330	594	477	0	0
Connecticut	704	549	28.0%	0	0	704	549	0	0	0	0
Maine	614	477	29.0%	0	0	614	477	0	0	0	0
Massachusetts	4,005	3,306	21.0%	0	0	4,005	3,306	0	0	0	0
New Hampshire	2,045	1,642	25.0%	0	0	1,451	1,164	594	477	0	0
Rhode Island	2,648	2,211	20.0%	0	0	2,648	2,211	0	0	0	0
Vermont	648	623	3.9%	0	0	648	623	0	0	0	0
Middle Atlantic	51,646	46,745	10.0%	0	0	51,335	46,469	NM	276	0	0
New Jersey	10,946	8,922	23.0%	0	0	10,946	8,922	0	0	0	0
New York	17,776	15,031	18.0%	0	0	17,776	15,031	0	0	0	0
Pennsylvania	22,924	22,792	0.6%	0	0	22,614	22,516	NM	276	0	0
East North Central	70,644	58,864	20.0%	8,168	5,981	61,905	52,410	NM	194	327	279
Illinois	17,598	15,076	17.0%	0	0	17,598	15,076	0	0	0	0
Indiana	8,081	6,076	33.0%	7,754	5,797	0	0	0	0	327	279
Michigan	18,897	17,018	11.0%	0	0	18,897	17,018	0	0	0	0
Ohio	11,456	8,926	28.0%	209	0	11,247	8,926	0	0	0	0
Wisconsin	14,612	11,768	24.0%	205	184	14,162	11,390	NM	194	0	0
West North Central	10,648	8,582	24.0%	3,134	2,668	7,514	5,914	0	0	0	0
Iowa	2,361	1,886	25.0%	0	0	2,361	1,886	0	0	0	0
Kansas	1,429	1,109	29.0%	0	0	1,429	1,109	0	0	0	0
Minnesota	3,916	3,205	22.0%	735	702	3,181	2,503	0	0	0	0
Missouri	1,640	1,371	20.0%	1,097	955	543	416	0	0	0	0
Nebraska	1,302	1,011	29.0%	1,302	1,011	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	40,834	37,148	9.9%	5,043	4,305	30,503	28,725	2,674	2,093	2,614	2,026
Delaware	1,551	2,289	-32.0%	0	0	1,551	2,289	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	6,690	7,077	-5.5%	1,779	1,552	4,911	5,525	0	0	0	0
Georgia	3,178	2,483	28.0%	0	0	2,632	2,082	546	401	0	0
Maryland	3,460	3,018	15.0%	0	0	1,616	1,592	1,844	1,425	0	0
North Carolina	6,392	5,428	18.0%	0	0	6,392	5,405	0	23	0	0
South Carolina	6,247	4,961	26.0%	3,265	2,668	369	266	0	0	2,614	2,026
Virginia	13,050	11,656	12.0%	0	84	12,767	11,328	NM	244	0	0
West Virginia	266	237	12.0%	0	0	266	237	0	0	0	0
East South Central	3,653	3,605	1.3%	2,691	2,236	962	1,369	0	0	0	0
Alabama	254	211	20.0%	0	0	254	211	0	0	0	0
Kentucky	2,691	2,236	20.0%	2,691	2,236	0	0	0	0	0	0
Mississippi	0	35	-100.0%	0	0	0	35	0	0	0	0
Tennessee	708	1,123	-37.0%	0	0	708	1,123	0	0	0	0
West South Central	17,047	13,316	28.0%	0	0	16,331	12,737	715	579	0	0
Arkansas	1,415	1,064	33.0%	0	0	1,415	1,064	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	15,632	12,252	28.0%	0	0	14,916	11,673	715	579	0	0
Mountain	3,827	3,917	-2.3%	832	861	2,995	3,056	0	0	0	0
Arizona	1,275	1,226	4.0%	832	664	443	562	0	0	0	0
Colorado	635	516	23.0%	0	0	635	516	0	0	0	0
Idaho	514	672	-24.0%	0	197	514	475	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	360	-100.0%	0	0	0	360	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	1,404	1,143	23.0%	0	0	1,404	1,143	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	62,033	52,334	19.0%	8,388	7,027	32,927	24,467	20,717	20,840	0	0
California	53,143	45,777	16.0%	3,061	3,222	29,927	22,167	20,155	20,389	0	0
Oregon	4,893	3,791	29.0%	1,577	1,238	2,753	2,101	563	452	0	0
Washington	3,997	2,766	44.0%	3,750	2,567	247	199	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	270,994	233,319	16.0%	28,257	23,078	214,541	183,477	25,256	24,459	2,941	2,305

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	294	348	-16.0%	0	0	278	330	16	18	0	0
Connecticut	107	118	-9.7%	0	0	107	118	0	0	0	0
Maine	23	39	-41.0%	0	0	7	21	16	18	0	0
Massachusetts	153	176	-13.0%	0	0	153	176	0	0	0	0
New Hampshire	12	15	-22.0%	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	406	451	-9.9%	0	0	319	351	87	99	0	0
New Jersey	108	97	12.0%	0	0	81	70	27	27	0	0
New York	157	183	-15.0%	0	0	118	134	39	49	0	0
Pennsylvania	142	171	-17.0%	0	0	121	147	21	24	0	0
East North Central	18	21	-14.0%	3	3	0	0	15	17	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	1	-9.5%	0	0	0	0	1	1	0	0
Michigan	14	16	-13.0%	0	0	0	0	14	16	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	3	-19.0%	3	3	0	0	0	0	0	0
West North Central	55	54	0.5%	37	31	16	22	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	55	54	0.5%	37	31	16	22	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	392	439	-11.0%	0	0	359	406	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	247	284	-13.0%	0	0	247	284	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	62	65	-4.0%	0	0	62	65	NM	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	83	91	-8.7%	0	0	50	57	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	-14.0%	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	-14.0%	0	0	0	0	0	0	1	1
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	NM	0	NM	0	0	NM	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	NM	0	NM	0	0	NM	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	56	71	-21.0%	0	0	56	71	0	0	0	0
California	36	45	-19.0%	0	0	36	45	0	0	0	0
Oregon	7	11	-32.0%	0	0	7	11	0	0	0	0
Washington	12	15	-19.0%	0	0	12	15	0	0	0	0
Pacific Noncontiguous	33	13	161.0%	0	0	0	0	33	13	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	33	13	161.0%	0	0	0	0	33	13	0	0
U.S. Total	1,254	1,398	-10.0%	40	34	1,028	1,180	186	182	1	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. 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 2.12.B. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, Year-to-Date through November 2013 and November 2012 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	3,345	3,704	-9.7%	0	0	3,181	3,517	164	187	0	0
Connecticut	1,217	1,297	-6.2%	0	0	1,217	1,297	0	0	0	0
Maine	248	407	-39.0%	0	0	84	219	164	187	0	0
Massachusetts	1,747	1,845	-5.3%	0	0	1,747	1,845	0	0	0	0
New Hampshire	133	155	-15.0%	0	0	133	155	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	4,575	5,040	-9.2%	0	0	3,606	3,946	969	1,094	0	0
New Jersey	1,183	1,248	-5.2%	0	0	870	927	314	321	0	0
New York	1,707	1,896	-10.0%	0	0	1,296	1,373	411	524	0	0
Pennsylvania	1,685	1,896	-11.0%	0	0	1,440	1,646	245	250	0	0
East North Central	216	249	-13.0%	32	34	0	0	185	215	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	10	11	-14.0%	0	0	0	0	10	11	0	0
Michigan	175	204	-14.0%	0	0	0	0	175	204	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	32	34	-8.4%	32	34	0	0	0	0	0	0
West North Central	585	579	1.1%	390	352	181	208	14	20	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	585	579	1.1%	390	352	181	208	14	20	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	4,658	4,950	-5.9%	0	0	4,312	4,594	345	356	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	3,035	3,329	-8.8%	0	0	3,035	3,329	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	709	667	6.3%	0	0	709	667	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	913	954	-4.2%	0	0	569	598	345	356	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	8	11	-31.0%	0	0	0	0	0	0	8	11
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	8	11	-31.0%	0	0	0	0	0	0	8	11
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	2	2	-6.8%	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	-6.8%	0	0	2	2	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	666	737	-9.7%	0	0	666	737	0	0	0	0
California	445	467	-4.7%	0	0	445	467	0	0	0	0
Oregon	84	109	-23.0%	0	0	84	109	0	0	0	0
Washington	137	162	-15.0%	0	0	137	162	0	0	0	0
Pacific Noncontiguous	344	241	42.0%	0	0	0	0	344	241	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	344	241	42.0%	0	0	0	0	344	241	0	0
U.S. Total	14,399	15,515	-7.2%	422	386	11,949	13,004	2,021	2,113	8	11

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 - November 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
November	155,754	31,170	338	126,278	21,773	250	29,477	9,397	87

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, November 2013 and 2012**

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	November 2013	November 2012	Percentage Change	November 2013	November 2012	Percentage Change	November 2013	November 2012	Percentage Change
New England	1,197	1,048	14.0%	4,230	2,007	111.0%	0	0	--
Connecticut	W	W	W	1,491	893	67.0%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	W	W	W	1,738	758	129.0%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	0	0	--	W	W	W	0	0	--
Vermont	0	0	--	38	46	-17.0%	0	0	--
Middle Atlantic	6,792	7,725	-12.0%	4,603	5,541	-17.0%	W	W	W
New Jersey	1,003	919	9.1%	811	1,059	-23.0%	0	0	--
New York	510	482	5.7%	3,100	3,553	-13.0%	0	0	--
Pennsylvania	5,280	6,324	-17.0%	693	929	-25.0%	W	W	W
East North Central	30,096	38,925	-23.0%	1,146	1,299	-12.0%	84	37	126.0%
Illinois	6,530	9,371	-30.0%	95	118	-19.0%	0	0	--
Indiana	8,269	9,594	-14.0%	109	119	-8.1%	0	0	--
Michigan	6,316	7,118	-11.0%	412	526	-22.0%	W	W	W
Ohio	4,972	7,560	-34.0%	300	304	-1.3%	W	W	W
Wisconsin	4,009	5,282	-24.0%	229	232	-1.2%	W	W	W
West North Central	24,775	31,559	-21.0%	955	1,049	-9.0%	0	0	--
Iowa	7,245	8,739	-17.0%	137	145	-5.0%	0	0	--
Kansas	3,304	4,085	-19.0%	148	170	-13.0%	0	0	--
Minnesota	W	3,004	W	149	167	-11.0%	0	0	--
Missouri	7,549	10,309	-27.0%	296	314	-5.8%	0	0	--
Nebraska	2,863	3,480	-18.0%	119	131	-9.3%	0	0	--
North Dakota	1,105	W	W	35	38	-7.3%	0	0	--
South Dakota	W	W	W	70	83	-15.0%	0	0	--
South Atlantic	32,536	37,663	-14.0%	12,628	13,412	-5.8%	W	W	W
Delaware	W	W	W	361	389	-7.2%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	5,230	5,805	-9.9%	6,436	6,947	-7.4%	W	W	W
Georgia	8,518	9,365	-9.0%	895	910	-1.7%	0	0	--
Maryland	1,423	1,273	12.0%	765	812	-5.8%	0	0	--
North Carolina	5,273	6,782	-22.0%	1,069	1,117	-4.3%	0	0	--
South Carolina	5,186	W	W	600	636	-5.6%	0	W	W
Virginia	W	W	W	2,334	2,453	-4.8%	0	0	--
West Virginia	5,349	5,942	-10.0%	168	148	13.0%	W	W	W
East South Central	16,916	19,565	-14.0%	1,993	1,897	5.1%	W	W	W
Alabama	4,141	6,294	-34.0%	305	286	6.7%	0	0	--
Kentucky	8,249	8,568	-3.7%	264	254	3.9%	W	W	W
Mississippi	1,489	1,885	-21.0%	567	559	1.5%	0	0	--
Tennessee	3,037	2,819	7.7%	857	798	7.4%	0	0	--
West South Central	25,412	28,196	-9.9%	2,325	2,489	-6.6%	W	W	W
Arkansas	3,485	3,881	-10.0%	W	162	W	0	0	--
Louisiana	3,955	3,664	8.0%	642	672	-4.5%	W	W	W
Oklahoma	3,113	4,704	-34.0%	W	209	W	0	0	--
Texas	14,859	15,947	-6.8%	1,355	1,446	-6.3%	W	W	W
Mountain	16,763	21,467	-22.0%	635	683	-7.1%	W	W	W
Arizona	2,911	4,479	-35.0%	198	216	-8.0%	0	0	--
Colorado	3,776	4,315	-12.0%	120	143	-16.0%	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	819	W	W	179	179	0.1%	0	0	--
New Mexico	W	W	W	45	54	-16.0%	0	0	--
Utah	4,410	5,012	-12.0%	44	44	-1.0%	0	0	--
Wyoming	2,940	4,116	-29.0%	30	28	7.0%	0	0	--
Pacific Contiguous	W	W	W	370	390	-5.2%	W	10	W
California	W	W	W	185	205	-9.9%	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	2,286	3,279	-30.0%	0	0	--
Alaska	W	W	W	56	290	-81.0%	0	0	--
Hawaii	W	W	W	2,229	2,989	-25.0%	0	0	--
U.S. Total	155,754	188,291	-17.0%	31,170	32,045	-2.7%	338	416	-19.0%

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, November 2013 and 2012**

Census Division	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012
Coal (Thousand Tons)							
New England	1,197	1,048	14.3%	W	W	W	W
Middle Atlantic	6,792	7,725	-12.1%	0	W	6,792	W
East North Central	30,096	38,925	-22.7%	23,638	28,505	6,458	10,421
West North Central	24,775	31,559	-21.5%	24,775	31,559	0	0
South Atlantic	32,536	37,663	-13.6%	29,590	34,568	2,945	3,095
East South Central	16,916	19,565	-13.5%	16,916	19,565	0	0
West South Central	25,412	28,196	-9.9%	14,220	16,638	11,193	11,558
Mountain	16,763	21,467	-21.9%	15,646	20,289	1,117	1,178
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	155,754	188,291	-17.3%	126,278	152,864	29,477	35,428
Petroleum Liquids (Thousand Barrels)							
New England	4,230	2,007	110.8%	656	W	3,574	W
Middle Atlantic	4,603	5,541	-16.9%	2,030	2,530	2,573	3,011
East North Central	1,146	1,299	-11.8%	W	1,069	W	229
West North Central	955	1,049	-9.0%	929	1,018	26	31
South Atlantic	12,628	13,412	-5.8%	10,393	W	2,234	W
East South Central	1,993	1,897	5.1%	W	W	W	W
West South Central	2,325	2,489	-6.6%	1,735	W	590	W
Mountain	635	683	-7.1%	W	611	W	72
Pacific Contiguous	370	390	-5.2%	W	332	W	58
Pacific Noncontiguous	2,286	3,279	-30.3%	W	W	W	W
U.S. Total	31,170	32,045	-2.7%	21,773	23,982	9,397	8,062
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	84	37	125.7%	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	338	416	-18.9%	250	346	87	70

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 - November 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
November	74,861	75,637	5,256	155,754

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 - November 2013

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
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
November	1,285,565	66,194	2.33	45.34	1.30	98.1	12,749	2,094	20.10	122.55	0.46	116.7
Year to Date												
2011	17,104,321	874,834	2.39	46.80	1.19	99.3	201,499	33,576	19.81	118.87	0.60	116.1
2012	14,895,871	770,143	2.38	46.13	1.24	100.0	106,163	17,640	21.97	132.25	0.51	75.3
2013	14,276,733	736,193	2.35	45.53	1.30	92.0	112,546	18,525	20.53	124.76	0.46	80.3
Rolling 12 Months Ending in November												
2012	16,467,393	851,847	2.38	46.03	1.24	100.7	121,417	20,222	21.94	131.76	0.52	78.8
2013	15,646,440	807,233	2.35	45.53	1.30	92.2	123,320	20,349	20.54	124.50	0.47	80.3

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.

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 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 - November 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
November	9,462	332	1.98	56.57	5.45	79.0	640,042	623,987	4.19	4.30	88.6	3.01
Year to Date												
2011	155,428	5,426	3.06	87.71	4.99	96.4	8,490,394	8,311,733	4.79	4.89	103.8	3.32
2012	106,639	3,722	2.26	64.84	5.54	81.0	9,091,625	8,891,246	3.36	3.44	92.0	2.82
2013	117,488	4,122	2.18	62.14	5.40	74.6	7,966,344	7,770,679	4.28	4.38	90.0	3.08
Rolling 12 Months Ending in November												
2012	122,311	4,276	2.32	66.47	5.49	84.6	9,851,883	9,635,677	3.42	3.49	92.8	--
2013	130,517	4,580	W	W	5.43	76.9	8,621,411	8,410,822	4.27	4.38	90.1	W

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions.

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

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

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

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

See the Technical Notes for fuel conversion factors.

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

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

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
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
November	949,052	48,528	2.37	46.37	1.22	97.6	6,293	1,033	21.60	131.57	0.41	82.7
Year to Date												
2011	12,693,902	638,972	2.41	47.81	1.16	100.6	134,526	22,214	20.18	122.20	0.53	115.1
2012	10,942,097	558,181	2.43	47.60	1.18	99.5	78,777	13,041	22.18	133.96	0.40	80.6
2013	10,529,578	537,881	2.38	46.60	1.23	92.3	70,885	11,620	21.04	128.36	0.43	77.4
Rolling 12 Months Ending in November												
2012	12,119,753	618,562	2.42	47.46	1.18	100.6	88,506	14,686	22.15	133.48	0.41	82.9
2013	11,527,024	589,146	2.38	46.60	1.23	92.5	78,137	12,831	21.07	128.31	0.42	78.4

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 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 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2003 - November 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
November	7,486	262	1.87	53.23	5.41	120.6	262,233	256,260	4.46	4.56	95.8	2.91
Year to Date												
2011	91,435	3,172	3.14	90.63	5.17	99.2	3,289,160	3,229,913	5.05	5.14	101.7	3.10
2012	64,891	2,245	2.33	67.37	5.45	116.0	3,805,924	3,730,656	3.68	3.76	97.5	2.85
2013	89,304	3,120	2.13	60.88	5.29	99.5	3,435,630	3,360,438	4.46	4.56	96.9	2.97
Rolling 12 Months Ending in November												
2012	72,665	2,518	2.33	67.29	5.41	115.2	4,088,112	4,008,356	3.73	3.81	97.9	--
2013	97,195	3,396	2.12	60.70	5.31	102.7	3,713,285	3,633,239	4.46	4.56	97.0	--

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions.

Values for 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.

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 - November 2013

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
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
November	318,976	16,898	2.19	41.26	1.51	105.8	6,387	1,049	18.51	113.03	0.49	283.7
Year to Date												
2011	3,943,136	214,074	2.29	42.16	1.25	95.6	38,142	6,507	20.12	117.92	0.50	104.6
2012	3,688,276	199,671	2.21	40.84	1.41	105.3	20,985	3,555	22.72	134.22	0.43	80.8
2013	3,564,150	190,236	2.21	41.41	1.49	95.7	39,760	6,597	19.69	118.78	0.45	117.5
Rolling 12 Months Ending in November												
2012	4,037,424	218,892	2.21	40.74	1.39	104.8	24,442	4,144	W	W	0.44	86.0
2013	3,912,310	208,905	2.21	41.44	1.49	96.1	42,698	7,115	W	W	0.46	112.6

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.

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 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 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2003 - November 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
November	1,490	52	W	W	5.43	74.2	313,805	305,625	4.04	4.14	92.5	W
Year to Date												
2011	30,160	1,052	2.47	70.94	4.49	81.5	3,898,880	3,813,683	4.69	4.80	100.8	3.56
2012	20,659	719	0.84	24.50	5.48	89.4	4,509,162	4,403,436	3.12	3.19	94.0	2.71
2013	14,611	519	W	W	5.39	62.6	3,847,543	3,746,994	4.18	4.29	93.1	W
Rolling 12 Months Ending in November												
2012	24,142	842	W	W	5.42	93.3	4,862,322	4,748,369	3.17	3.25	94.4	W
2013	16,976	602	W	W	5.42	67.2	4,148,934	4,040,195	4.17	4.27	93.0	W

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions.

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

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

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

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

See the Technical Notes for fuel conversion factors.

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

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2003 - November 2013

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
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
November	202	9	W	W	3.52	7.4	0	0	--	--	--	0.0
Year to Date												
2011	32,832	1,540	2.93	62.40	1.79	100.8	1,849	306	19.52	117.88	0.55	105.8
2012	3,915	170	3.47	80.12	2.69	13.0	228	40	W	W	0.00	11.1
2013	3,253	140	W	W	3.02	11.0	0	0	--	--	--	0.0
Rolling 12 Months Ending in November												
2012	6,976	315	W	W	2.24	21.7	NM	NM	W	W	0.16	15.7
2013	3,764	162	W	W	3.04	11.4	18	3	W	W	0.00	0.8

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 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 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2003 - November 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
November	0	0	--	--	--	0.0	529	524	W	W	5.7	W
Year to Date												
2011	225	8	W	W	5.49	163.1	85,952	84,161	5.26	5.38	107.0	W
2012	0	0	--	--	--	0.0	16,617	16,342	5.85	5.95	15.9	W
2013	0	0	--	--	--	0.0	4,899	4,859	W	W	5.1	W
Rolling 12 Months Ending in November												
2012	44	2	W	W	5.29	12.0	NM	NM	5.41	5.50	22.9	W
2013	0	0	--	--	--	0.0	6,596	6,524	W	W	6.2	W

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions.

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

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

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

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

See the Technical Notes for fuel conversion factors.

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

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

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)	Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals												
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
November	17,334	760	W	W	1.65	45.2	69	12	20.57	123.01	0.99	7.6
Year to Date												
2011	434,451	20,247	2.93	62.86	1.33	99.3	26,982	4,549	17.53	103.99	1.07	146.7
2012	261,583	12,121	3.02	65.20	1.33	66.2	6,174	1,004	W	W	1.50	40.6
2013	179,752	7,935	W	W	1.51	44.5	1,901	309	18.37	113.23	1.66	15.0
Rolling 12 Months Ending in November												
2012	303,240	14,078	W	W	1.33	69.6	8,131	1,333	W	W	1.41	48.6
2013	203,341	9,020	W	W	1.48	46.0	2,466	399	W	W	1.64	17.7

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.

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions.

Values for 2012 and prior years are final. Values for 2013 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 - November 2013 (continued)

Period	Petroleum Coke							Natural Gas					All Fossil Fuels
	Receipts		Average Cost			Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost			Average Cost
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	(Billion Btu)			(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	(Dollars per MMBtu)	
Annual Totals													
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	
November	486	17	W	W	6.03	13.2	63,475	61,578	W	W	63.8	W	
Year to Date													
2011	33,609	1,195	W	W	5.00	104.9	1,216,402	1,183,976	4.34	4.46	122.4	W	
2012	21,088	758	2.64	73.34	5.84	41.1	759,921	740,813	2.89	2.97	70.5	W	
2013	13,573	482	W	W	6.12	31.1	678,272	658,388	W	W	63.2	W	
Rolling 12 Months Ending in November													
2012	25,460	914	W	W	5.74	46.8	875,496	853,464	2.99	3.07	74.4	W	
2013	16,346	582	W	W	6.11	33.5	752,596	730,863	W	W	64.1	W	

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions.

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

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

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

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

See the Technical Notes for fuel conversion factors.

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

Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, November 2013 and 2012
(Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	100	153	-34.0%	57	28	42	124	0	0	2	2
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	5	5	0.5%	0	0	3	4	0	0	2	2
Massachusetts	38	120	-68.0%	0	0	38	120	0	0	0	0
New Hampshire	57	28	105.0%	57	28	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	2,818	4,268	-34.0%	0	0	2,788	4,189	0	0	29	78
New Jersey	77	106	-28.0%	0	0	77	106	0	0	0	0
New York	120	228	-47.0%	0	0	104	204	0	0	16	24
Pennsylvania	2,621	3,934	-33.0%	0	0	2,608	3,879	0	0	13	55
East North Central	15,171	15,204	-0.2%	9,769	10,237	5,124	4,701	0	7	279	259
Illinois	5,006	5,032	-0.5%	535	543	4,301	4,286	0	7	170	197
Indiana	3,116	3,152	-1.1%	2,839	2,948	277	204	0	0	0	0
Michigan	2,242	2,518	-11.0%	2,232	2,498	0	11	0	0	10	9
Ohio	2,941	2,617	12.0%	2,374	2,394	545	200	0	0	22	23
Wisconsin	1,865	1,884	-1.0%	1,789	1,853	0	0	0	0	77	30
West North Central	10,745	11,283	-4.8%	10,628	10,984	0	0	9	10	108	289
Iowa	1,352	2,144	-37.0%	1,243	1,957	0	0	0	0	108	187
Kansas	1,664	1,327	25.0%	1,664	1,327	0	0	0	0	0	0
Minnesota	1,190	1,307	-8.9%	1,190	1,268	0	0	0	0	0	39
Missouri	3,387	3,131	8.2%	3,379	3,121	0	0	9	10	0	0
Nebraska	1,249	1,257	-0.6%	1,249	1,196	0	0	0	0	0	62
North Dakota	1,750	1,937	-9.7%	1,750	1,937	0	0	0	0	0	0
South Dakota	151	179	-15.0%	151	179	0	0	0	0	0	0
South Atlantic	9,522	10,297	-7.5%	7,548	7,858	1,825	2,231	0	0	150	208
Delaware	45	68	-34.0%	0	0	45	68	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,680	1,759	-4.5%	1,628	1,710	52	26	0	0	0	23
Georgia	1,545	1,734	-11.0%	1,519	1,690	0	0	0	0	26	44
Maryland	540	784	-31.0%	0	0	510	751	0	0	30	32
North Carolina	1,297	1,553	-17.0%	1,297	1,468	0	55	0	0	0	30
South Carolina	822	858	-4.2%	802	849	0	0	0	0	20	8
Virginia	898	573	57.0%	824	427	43	99	0	0	32	47
West Virginia	2,695	2,968	-9.2%	1,479	1,713	1,175	1,232	0	0	41	23
East South Central	6,904	7,438	-7.2%	6,497	6,951	270	356	0	0	137	131
Alabama	2,079	2,056	1.1%	2,079	2,048	0	0	0	0	0	9
Kentucky	3,298	3,195	3.2%	3,298	3,195	0	0	0	0	0	0
Mississippi	367	557	-34.0%	97	202	270	356	0	0	0	0
Tennessee	1,159	1,629	-29.0%	1,022	1,507	0	0	0	0	137	122
West South Central	11,675	12,825	-9.0%	5,954	6,192	5,721	6,590	0	0	0	43
Arkansas	1,747	1,422	23.0%	1,518	1,159	229	263	0	0	0	0
Louisiana	1,021	1,489	-31.0%	410	746	612	743	0	0	0	0
Oklahoma	1,515	1,671	-9.4%	1,406	1,524	109	105	0	0	0	43
Texas	7,392	8,243	-10.0%	2,621	2,764	4,771	5,479	0	0	0	0
Mountain	8,498	9,675	-12.0%	7,925	8,535	573	1,135	0	0	0	4
Arizona	1,846	2,007	-8.1%	1,846	2,007	0	0	0	0	0	0
Colorado	1,525	1,618	-5.8%	1,525	1,618	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	511	1,017	-50.0%	0	29	511	989	0	0	0	0
Nevada	192	134	43.0%	130	73	61	61	0	0	0	0
New Mexico	1,249	1,197	4.4%	1,249	1,197	0	0	0	0	0	0
Utah	1,135	1,229	-7.7%	1,135	1,185	0	40	0	0	0	4
Wyoming	2,040	2,473	-18.0%	2,040	2,427	0	46	0	0	0	0
Pacific Contiguous	701	703	-0.3%	151	246	495	382	0	0	55	75
California	55	75	-27.0%	0	0	0	10	0	0	55	65
Oregon	151	246	-39.0%	151	246	0	0	0	0	0	0
Washington	495	382	30.0%	0	0	495	372	0	0	0	10
Pacific Noncontiguous	61	0	--	0	0	61	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	61	0	--	0	0	61	0	0	0	0	0
U.S. Total	66,194	71,846	-7.9%	48,528	51,032	16,898	19,708	9	17	760	1,089

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

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process. See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes. See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923. Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

Table 4.6.B. Receipts of Coal Delivered for Electricity Generation by State, (Year-to-Date) November 2013 and 2012
(Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	2,448	948	158.0%	676	298	1,748	633	0	0	24	17
Connecticut	237	27	771.0%	0	0	237	27	0	0	0	0
Maine	56	45	23.0%	0	0	32	28	0	0	24	17
Massachusetts	1,478	578	156.0%	0	0	1,478	578	0	0	0	0
New Hampshire	676	298	127.0%	676	298	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	33,446	40,244	-17.0%	0	0	33,056	39,410	0	0	390	835
New Jersey	1,010	989	2.1%	0	0	1,010	989	0	0	0	0
New York	2,297	1,892	21.0%	0	0	1,989	1,592	0	0	308	300
Pennsylvania	30,138	37,363	-19.0%	0	0	30,056	36,829	0	0	82	534
East North Central	168,589	167,597	0.6%	110,878	107,410	55,066	57,151	58	100	2,588	2,935
Illinois	54,011	56,449	-4.3%	5,858	5,670	46,441	48,707	0	33	1,712	2,039
Indiana	33,139	33,643	-1.5%	30,805	31,118	2,334	2,525	0	0	0	0
Michigan	26,008	27,109	-4.1%	25,713	26,822	138	183	58	67	100	37
Ohio	34,650	32,169	7.7%	28,276	26,191	6,152	5,736	0	0	223	242
Wisconsin	20,781	18,227	14.0%	20,226	17,609	0	0	0	0	554	618
West North Central	117,908	127,604	-7.6%	116,648	124,493	0	0	83	70	1,178	3,042
Iowa	17,242	22,461	-23.0%	16,064	20,470	0	0	0	0	1,178	1,990
Kansas	16,925	16,641	1.7%	16,925	16,641	0	0	0	0	0	0
Minnesota	11,094	11,871	-6.5%	11,094	11,513	0	0	0	0	0	358
Missouri	37,695	40,139	-6.1%	37,612	40,069	0	0	83	70	0	0
Nebraska	13,544	14,108	-4.0%	13,544	13,415	0	0	0	0	0	694
North Dakota	19,805	20,773	-4.7%	19,805	20,773	0	0	0	0	0	0
South Dakota	1,604	1,610	-0.4%	1,604	1,610	0	0	0	0	0	0
South Atlantic	100,469	108,423	-7.3%	80,170	87,157	18,823	19,079	0	0	1,476	2,187
Delaware	533	557	-4.3%	0	0	533	557	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	17,807	16,822	5.9%	17,101	15,831	706	770	0	0	0	221
Georgia	17,501	21,370	-18.0%	17,175	21,002	0	0	0	0	326	368
Maryland	6,284	6,161	2.0%	0	0	5,978	5,805	0	0	306	356
North Carolina	13,871	18,245	-24.0%	13,871	17,246	0	644	0	0	0	355
South Carolina	8,341	10,694	-22.0%	8,203	10,511	0	27	0	0	139	155
Virginia	8,545	5,839	46.0%	7,595	4,798	534	614	0	0	416	427
West Virginia	27,586	28,735	-4.0%	16,225	17,768	11,072	10,663	0	0	289	304
East South Central	78,077	81,414	-4.1%	73,212	76,376	3,407	3,505	0	0	1,459	1,533
Alabama	20,495	22,823	-10.0%	20,495	22,737	0	0	0	0	0	86
Kentucky	35,441	36,125	-1.9%	35,441	36,125	0	0	0	0	0	0
Mississippi	5,337	5,973	-11.0%	1,930	2,468	3,407	3,505	0	0	0	0
Tennessee	16,804	16,492	1.9%	15,345	15,045	0	0	0	0	1,459	1,447
West South Central	134,284	139,346	-3.6%	68,360	71,187	65,924	67,699	0	0	0	460
Arkansas	16,084	15,427	4.3%	14,196	13,225	1,888	2,202	0	0	0	0
Louisiana	13,052	14,503	-10.0%	6,745	7,352	6,307	7,151	0	0	0	0
Oklahoma	15,345	18,024	-15.0%	14,323	16,438	1,022	1,126	0	0	0	460
Texas	89,803	91,392	-1.7%	33,096	34,172	56,707	57,220	0	0	0	0
Mountain	94,777	99,279	-4.5%	86,515	89,699	8,035	9,148	0	0	227	432
Arizona	19,817	21,478	-7.7%	19,817	21,269	0	0	0	0	0	208
Colorado	16,509	17,130	-3.6%	16,509	17,130	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	7,339	7,926	-7.4%	0	223	7,339	7,703	0	0	0	0
Nevada	2,178	2,142	1.7%	1,482	1,568	696	573	0	0	0	0
New Mexico	13,194	13,265	-0.5%	13,194	13,265	0	0	0	0	0	0
Utah	13,007	12,839	1.3%	12,780	12,202	0	413	0	0	227	223
Wyoming	22,733	24,499	-7.2%	22,733	24,041	0	459	0	0	0	0
Pacific Contiguous	5,528	4,681	18.0%	1,423	1,563	3,512	2,438	0	0	593	680
California	740	861	-14.0%	0	0	148	271	0	0	593	590
Oregon	1,423	1,563	-8.9%	1,423	1,563	0	0	0	0	0	0
Washington	3,364	2,257	49.0%	0	0	3,364	2,167	0	0	0	91
Pacific Noncontiguous	666	608	9.6%	0	0	666	608	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	666	608	9.6%	0	0	666	608	0	0	0	0
U.S. Total	736,193	770,143	-4.4%	537,881	558,181	190,236	199,671	140	170	7,935	12,121

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

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process. See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.
 See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
 Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

Table 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, November 2013 and 2012
(Thousand Barrels)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	781	22	NM	74	2	706	12	0	3	1	5
Connecticut	279	5	NM	0	1	279	4	0	0	0	0
Maine	99	7	NM	0	0	98	2	0	0	1	5
Massachusetts	291	10	NM	23	0	268	7	0	3	0	0
New Hampshire	109	1	NM	51	1	58	0	0	0	0	0
Rhode Island	3	0	--	0	0	3	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	76	214	-64.0%	0	65	75	148	0	0	1	1
New Jersey	1	1	-12.0%	0	0	1	1	0	0	0	0
New York	54	178	-70.0%	0	65	53	114	0	0	1	0
Pennsylvania	21	34	-38.0%	0	0	21	33	0	0	0	1
East North Central	126	94	35.0%	105	67	18	24	0	0	3	3
Illinois	11	17	-37.0%	2	3	8	14	0	0	0	0
Indiana	22	27	-19.0%	22	25	0	0	0	0	0	2
Michigan	15	18	-17.0%	14	17	0	0	0	0	1	1
Ohio	67	22	207.0%	56	13	10	9	0	0	2	0
Wisconsin	12	10	16.0%	12	9	0	1	0	0	0	0
West North Central	26	44	-41.0%	26	44	0	0	0	0	0	0
Iowa	8	14	-40.0%	8	14	0	0	0	0	0	0
Kansas	2	4	-48.0%	2	4	0	0	0	0	0	0
Minnesota	5	5	4.9%	5	5	0	0	0	0	0	0
Missouri	6	5	19.0%	6	5	0	0	0	0	0	0
Nebraska	3	4	-40.0%	3	4	0	0	0	0	0	0
North Dakota	2	12	-81.0%	2	12	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	162	162	0.0%	114	82	43	31	0	0	5	49
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	12	57	-79.0%	10	42	2	2	0	0	0	12
Georgia	18	22	-19.0%	14	11	0	0	0	0	3	11
Maryland	27	25	8.5%	0	0	27	22	0	0	0	3
North Carolina	36	13	173.0%	36	12	0	0	0	0	0	1
South Carolina	22	26	-16.0%	21	9	0	0	0	0	1	17
Virginia	22	12	79.0%	8	3	14	5	0	0	0	4
West Virginia	25	5	390.0%	25	5	0	0	0	0	0	0
East South Central	47	27	75.0%	45	27	0	0	0	0	2	0
Alabama	5	8	-31.0%	5	8	0	0	0	0	0	0
Kentucky	32	13	134.0%	32	13	0	0	0	0	0	0
Mississippi	5	2	87.0%	2	2	0	0	0	0	2	0
Tennessee	5	3	72.0%	5	3	0	0	0	0	0	0
West South Central	33	15	129.0%	14	6	19	8	0	0	0	0
Arkansas	13	1	946.0%	10	0	3	1	0	0	0	0
Louisiana	9	2	491.0%	0	0	9	2	0	0	0	0
Oklahoma	0	0	-100.0%	0	0	0	0	0	0	0	0
Texas	12	12	-1.9%	4	6	7	5	0	0	0	0
Mountain	42	40	3.5%	39	38	3	2	0	0	0	0
Arizona	14	9	46.0%	14	9	0	0	0	0	0	0
Colorado	0	0	-20.0%	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	2	2	5.1%	0	0	2	2	0	0	0	0
Nevada	3	2	106.0%	3	1	1	0	0	0	0	0
New Mexico	14	19	-26.0%	14	19	0	0	0	0	0	0
Utah	3	3	24.0%	3	3	0	0	0	0	0	0
Wyoming	5	5	-6.2%	5	5	0	0	0	0	0	0
Pacific Contiguous	5	10	-48.0%	4	8	1	2	0	0	0	0
California	0	1	-100.0%	0	1	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	5	9	-40.0%	4	7	1	2	0	0	0	0
Pacific Noncontiguous	796	814	-2.2%	613	631	183	183	0	0	0	0
Alaska	0	63	-100.0%	0	63	0	0	0	0	0	0
Hawaii	796	751	5.9%	613	568	183	183	0	0	0	0
U.S. Total	2,094	1,441	45.0%	1,033	970	1,049	410	0	3	12	58

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

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process. See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes. See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923. Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

**Table 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) November 2013 and 2012
(Thousand Barrels)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	2,919	422	592.0%	415	16	2,481	235	0	35	23	135
Connecticut	488	138	253.0%	0	1	488	137	0	0	0	0
Maine	807	147	448.0%	0	0	784	13	0	0	23	135
Massachusetts	1,255	126	895.0%	150	5	1,105	85	0	35	0	0
New Hampshire	347	9	NM	265	9	82	0	0	0	0	0
Rhode Island	23	0	--	0	0	23	0	0	0	0	0
Vermont	0	1	-100.0%	0	1	0	0	0	0	0	0
Middle Atlantic	1,942	1,391	40.0%	439	548	1,484	832	0	0	20	11
New Jersey	50	38	30.0%	0	0	50	38	0	0	0	0
New York	1,485	963	54.0%	439	548	1,027	411	0	0	18	4
Pennsylvania	408	390	4.6%	0	0	406	383	0	0	1	7
East North Central	1,033	1,025	0.8%	802	819	204	160	0	0	27	46
Illinois	120	122	-1.7%	37	33	83	89	0	0	0	0
Indiana	219	214	2.5%	219	193	0	0	0	0	0	21
Michigan	206	199	3.4%	193	187	0	0	0	0	13	12
Ohio	416	435	-4.5%	284	357	119	67	0	0	12	11
Wisconsin	73	55	33.0%	70	50	2	4	0	0	2	1
West North Central	396	493	-20.0%	396	491	0	0	0	0	0	1
Iowa	99	161	-38.0%	99	161	0	0	0	0	0	0
Kansas	73	67	7.6%	73	67	0	0	0	0	0	0
Minnesota	38	26	48.0%	38	24	0	0	0	0	0	1
Missouri	88	145	-39.0%	88	145	0	0	0	0	0	0
Nebraska	29	29	0.4%	29	29	0	0	0	0	0	0
North Dakota	62	59	3.6%	62	59	0	0	0	0	0	0
South Dakota	7	5	52.0%	7	5	0	0	0	0	0	0
South Atlantic	2,389	2,860	-16.0%	1,792	1,710	360	347	0	4	237	800
Delaware	20	33	-37.0%	0	0	20	33	0	0	0	0
District of Columbia	0	7	-100.0%	0	0	0	7	0	0	0	0
Florida	769	731	5.2%	761	533	8	14	0	0	0	183
Georgia	222	378	-41.0%	134	215	4	5	0	0	84	157
Maryland	179	197	-9.0%	0	0	179	123	0	0	0	74
North Carolina	276	413	-33.0%	227	259	49	7	0	0	0	147
South Carolina	236	423	-44.0%	114	219	0	0	0	0	123	204
Virginia	423	447	-5.3%	293	260	100	148	0	4	30	34
West Virginia	264	233	13.0%	264	223	0	10	0	0	0	0
East South Central	563	380	48.0%	561	375	1	1	0	0	2	4
Alabama	125	96	30.0%	125	92	1	1	0	0	0	4
Kentucky	171	186	-8.2%	171	186	0	0	0	0	0	0
Mississippi	18	22	-18.0%	16	22	0	0	0	0	2	0
Tennessee	250	76	229.0%	250	76	0	0	0	0	0	0
West South Central	262	258	1.7%	95	106	167	151	0	0	0	0
Arkansas	54	57	-5.1%	26	35	28	22	0	0	0	0
Louisiana	57	44	29.0%	11	17	46	27	0	0	0	0
Oklahoma	13	14	-4.6%	13	14	0	0	0	0	0	0
Texas	138	144	-3.5%	46	41	93	103	0	0	0	0
Mountain	336	362	-7.1%	316	316	20	45	0	0	0	2
Arizona	92	72	28.0%	92	70	0	0	0	0	0	2
Colorado	4	9	-56.0%	4	8	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	14	34	-59.0%	0	0	14	34	0	0	0	0
Nevada	31	35	-12.0%	25	26	6	9	0	0	0	0
New Mexico	88	84	4.7%	88	84	0	0	0	0	0	0
Utah	44	50	-12.0%	44	49	0	1	0	0	0	0
Wyoming	63	78	-18.0%	63	78	0	0	0	0	0	0
Pacific Contiguous	39	87	-55.0%	25	37	13	43	0	0	0	7
California	0	48	-100.0%	0	16	0	30	0	0	0	2
Oregon	6	14	-55.0%	6	14	0	0	0	0	0	0
Washington	33	25	31.0%	19	7	13	13	0	0	0	5
Pacific Noncontiguous	8,645	10,363	-17.0%	6,777	8,623	1,868	1,741	0	0	0	0
Alaska	0	861	-100.0%	0	861	0	0	0	0	0	0
Hawaii	8,645	9,502	-9.0%	6,777	7,762	1,868	1,741	0	0	0	0
U.S. Total	18,525	17,640	5.0%	11,620	13,041	6,597	3,555	0	40	309	1,004

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

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process. See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes. See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923. Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 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	77	24.0%	32	8	52	57	0	0	11	13
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	32	2	NM	32	0	0	2	0	0	0	0
Ohio	52	55	-5.0%	0	0	52	55	0	0	0	0
Wisconsin	11	20	-44.0%	0	8	0	0	0	0	11	13
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	47	55	-15.0%	41	40	0	0	0	0	6	16
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	41	40	3.7%	41	40	0	0	0	0	0	0
Georgia	6	16	-63.0%	0	0	0	0	0	0	6	16
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	52	37	43.0%	52	37	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	52	37	43.0%	52	37	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	137	186	-27.0%	137	137	0	0	0	0	0	49
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	137	137	-0.1%	137	137	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	49	-100.0%	0	0	0	0	0	0	0	49
Mountain	0	19	-100.0%	0	0	0	19	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	19	-100.0%	0	0	0	19	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	332	384	-14.0%	262	221	52	76	0	0	17	88

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

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process. See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes. See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923. Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) November 2013 and 2012
(Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 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	94	-100.0%	0	0	0	0	0	0	0	94
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	94	-100.0%	0	0	0	0	0	0	0	94
East North Central	750	823	-8.9%	100	248	519	449	0	0	130	126
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	103	31	236.0%	80	0	23	31	0	0	0	0
Ohio	496	418	19.0%	0	0	496	418	0	0	0	0
Wisconsin	150	170	-11.0%	20	44	0	0	0	0	130	126
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	1,116	644	73.0%	1,007	490	0	0	0	0	109	155
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	1,007	490	106.0%	1,007	490	0	0	0	0	0	0
Georgia	109	155	-30.0%	0	0	0	0	0	0	109	155
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	489	476	2.8%	489	476	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	489	476	2.8%	489	476	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	1,767	1,450	22.0%	1,524	1,032	0	35	0	0	243	383
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,524	1,032	48.0%	1,524	1,032	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	243	418	-42.0%	0	0	0	35	0	0	243	383
Mountain	0	227	-100.0%	0	0	0	227	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	227	-100.0%	0	0	0	227	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	4,122	3,722	11.0%	3,120	2,245	519	719	0	0	482	758

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

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process. See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes. See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923. Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	25,497	31,035	-18.0%	99	291	24,187	29,268	0	323	1,211	1,153
Connecticut	8,346	11,071	-25.0%	0	8	8,346	11,063	0	0	0	0
Maine	2,874	2,754	4.4%	0	0	1,664	1,601	0	0	1,211	1,153
Massachusetts	9,016	11,538	-22.0%	91	242	8,924	10,974	0	323	0	0
New Hampshire	2,396	2,269	5.6%	8	37	2,388	2,232	0	0	0	0
Rhode Island	2,864	3,398	-16.0%	0	0	2,864	3,398	0	0	0	0
Vermont	0	4	-100.0%	0	4	0	0	0	0	0	0
Middle Atlantic	69,401	72,070	-3.7%	8,108	7,940	61,171	63,851	0	0	123	279
New Jersey	14,327	10,115	42.0%	0	0	14,327	10,115	0	0	0	0
New York	28,213	34,240	-18.0%	8,108	7,940	20,054	26,185	0	0	50	116
Pennsylvania	26,861	27,715	-3.1%	0	0	26,789	27,551	0	0	72	163
East North Central	31,445	32,895	-4.4%	10,468	12,010	20,338	19,060	487	933	153	892
Illinois	1,875	2,309	-19.0%	83	54	1,788	1,761	0	492	4	3
Indiana	5,585	7,590	-26.0%	4,123	4,599	1,462	2,427	0	0	0	564
Michigan	6,846	8,148	-16.0%	1,526	1,417	4,780	6,137	487	441	53	153
Ohio	13,064	9,736	34.0%	3,154	3,351	9,908	6,385	0	0	2	0
Wisconsin	4,076	5,112	-20.0%	1,581	2,589	2,401	2,350	0	0	95	173
West North Central	7,070	7,344	-3.7%	6,273	6,192	756	890	37	8	3	253
Iowa	878	1,409	-38.0%	875	1,407	0	0	0	0	3	2
Kansas	666	782	-15.0%	666	782	0	0	0	0	0	0
Minnesota	3,371	3,168	6.4%	2,732	2,213	639	817	0	0	0	138
Missouri	1,488	1,750	-15.0%	1,333	1,668	117	73	37	8	0	0
Nebraska	253	229	11.0%	253	117	0	0	0	0	0	112
North Dakota	0	0	-100.0%	0	0	0	0	0	0	0	0
South Dakota	414	6	NM	414	6	0	0	0	0	0	0
South Atlantic	130,304	131,769	-1.1%	106,837	107,816	21,425	20,203	0	0	2,042	3,751
Delaware	3,305	3,028	9.1%	0	0	2,361	2,279	0	0	944	749
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	73,950	74,492	-0.7%	70,373	70,296	3,577	3,050	0	0	0	1,146
Georgia	20,305	21,550	-5.8%	16,401	14,727	3,098	5,492	0	0	805	1,331
Maryland	459	2,823	-84.0%	0	0	422	2,774	0	0	37	49
North Carolina	15,612	7,841	99.0%	11,312	6,319	4,300	1,515	0	0	0	7
South Carolina	2,403	9,937	-76.0%	1,535	9,545	844	306	0	0	24	86
Virginia	14,215	11,987	19.0%	7,192	6,918	6,792	4,687	0	0	231	382
West Virginia	54	111	-51.0%	24	12	30	99	0	0	0	0
East South Central	44,883	50,069	-10.0%	26,596	28,298	18,272	19,441	0	0	15	2,331
Alabama	25,674	26,386	-2.7%	8,864	7,879	16,810	17,462	0	0	0	1,045
Kentucky	598	1,252	-52.0%	598	1,234	0	17	0	0	0	0
Mississippi	18,013	18,038	-0.1%	16,552	14,807	1,461	1,961	0	0	0	1,270
Tennessee	598	4,394	-86.0%	583	4,378	0	0	0	0	15	15
West South Central	195,573	178,032	9.9%	43,650	43,887	97,745	82,508	0	300	54,178	51,336
Arkansas	4,601	7,449	-38.0%	1,233	320	3,368	7,129	0	0	0	0
Louisiana	37,824	34,979	8.1%	10,479	13,429	8,137	4,318	0	0	19,208	17,232
Oklahoma	14,283	14,469	-1.3%	11,492	12,044	2,791	2,424	0	0	0	2
Texas	138,865	121,134	15.0%	20,446	18,094	83,449	68,637	0	300	34,970	34,103
Mountain	39,271	33,963	16.0%	26,185	22,977	13,057	10,556	0	0	29	431
Arizona	11,442	8,197	40.0%	5,173	4,407	6,269	3,790	0	0	0	0
Colorado	5,223	5,849	-11.0%	3,445	3,460	1,778	2,389	0	0	0	0
Idaho	2,037	916	122.0%	954	130	1,083	786	0	0	0	0
Montana	0	3	-100.0%	0	0	0	3	0	0	0	0
Nevada	11,445	11,838	-3.3%	10,057	9,875	1,387	1,963	0	0	0	0
New Mexico	4,891	3,709	32.0%	2,825	2,375	2,066	1,334	0	0	0	0
Utah	4,226	3,052	38.0%	3,723	2,713	474	291	0	0	29	48
Wyoming	7	400	-98.0%	7	16	0	0	0	0	0	383
Pacific Contiguous	78,504	75,040	4.6%	26,005	25,794	48,674	43,047	0	0	3,824	6,199
California	61,957	63,669	-2.7%	16,454	20,518	41,678	37,331	0	0	3,824	5,820
Oregon	10,089	8,100	25.0%	3,411	3,164	6,678	4,934	0	0	0	2
Washington	6,459	3,271	97.0%	6,140	2,113	318	781	0	0	0	377
Pacific Noncontiguous	2,040	2,690	-24.0%	2,040	2,690	0	0	0	0	0	0
Alaska	2,040	2,690	-24.0%	2,040	2,690	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	623,987	614,906	1.5%	256,260	257,894	305,625	288,823	524	1,565	61,578	66,625

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

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process. See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.
 See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
 Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

Table 4.9.B. Receipts of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) November 2013 and 2012
(Million Cubic Feet)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	341,965	412,938	-17.0%	1,526	3,556	327,497	393,332	0	3,266	12,941	12,784
Connecticut	96,915	102,822	-5.7%	0	69	96,915	102,753	0	0	0	0
Maine	31,421	39,541	-21.0%	0	0	18,480	26,756	0	0	12,941	12,784
Massachusetts	142,427	166,919	-15.0%	1,172	2,701	141,256	160,952	0	3,266	0	0
New Hampshire	27,232	46,920	-42.0%	355	754	26,877	46,167	0	0	0	0
Rhode Island	43,970	56,704	-22.0%	0	0	43,970	56,704	0	0	0	0
Vermont	0	33	-100.0%	0	33	0	0	0	0	0	0
Middle Atlantic	865,772	953,667	-9.2%	98,825	101,470	765,339	850,324	0	0	1,608	1,873
New Jersey	181,240	189,959	-4.6%	0	0	181,240	189,959	0	0	0	0
New York	370,936	416,212	-11.0%	98,825	101,470	271,474	314,078	0	0	637	664
Pennsylvania	313,596	347,496	-9.8%	0	0	312,625	346,287	0	0	971	1,209
East North Central	397,775	589,626	-33.0%	146,301	213,454	245,259	356,698	4,012	8,300	2,203	11,174
Illinois	38,756	76,197	-49.0%	4,792	12,053	33,911	59,185	0	4,928	54	32
Indiana	67,974	110,000	-38.0%	46,033	79,047	21,941	23,872	0	0	0	7,080
Michigan	93,195	169,949	-45.0%	22,195	37,916	66,105	126,162	4,012	3,372	883	2,498
Ohio	143,090	151,333	-5.4%	47,433	41,689	95,580	109,533	0	0	77	111
Wisconsin	54,759	82,147	-33.0%	25,848	42,749	27,721	37,946	0	0	1,189	1,453
West North Central	109,679	148,894	-26.0%	93,398	125,477	15,420	19,930	846	1,216	15	2,271
Iowa	15,033	16,487	-8.8%	15,018	16,448	0	0	0	0	15	39
Kansas	14,809	26,042	-43.0%	14,809	26,042	0	0	0	0	0	0
Minnesota	42,409	51,332	-17.0%	33,764	40,486	8,646	9,106	0	0	0	1,740
Missouri	31,000	45,411	-32.0%	23,379	33,371	6,775	10,824	846	1,216	0	0
Nebraska	3,567	8,080	-56.0%	3,567	7,588	0	0	0	0	0	492
North Dakota	0	1	-100.0%	0	1	0	0	0	0	0	0
South Dakota	2,861	1,541	86.0%	2,861	1,541	0	0	0	0	0	0
South Atlantic	1,709,813	1,877,671	-8.9%	1,381,895	1,448,389	300,001	386,932	0	0	27,917	42,350
Delaware	52,161	60,658	-14.0%	0	0	37,000	49,171	0	0	15,161	11,487
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	937,339	1,045,282	-10.0%	889,882	962,698	47,457	69,678	0	0	0	12,906
Georgia	270,542	301,497	-10.0%	200,339	172,722	61,526	116,916	0	0	8,678	11,859
Maryland	20,157	46,052	-56.0%	0	0	19,612	44,187	0	0	546	1,865
North Carolina	181,573	138,852	31.0%	119,993	117,215	61,409	21,510	0	0	171	127
South Carolina	81,767	102,902	-21.0%	71,580	90,726	9,858	11,882	0	0	329	295
Virginia	163,576	180,127	-9.2%	99,687	104,640	60,856	71,676	0	0	3,032	3,811
West Virginia	2,698	2,301	17.0%	415	388	2,283	1,913	0	0	0	0
East South Central	568,783	749,700	-24.0%	335,736	399,531	232,916	326,219	0	0	131	23,950
Alabama	291,401	364,690	-20.0%	85,488	90,635	205,913	262,871	0	0	0	11,184
Kentucky	14,028	30,266	-54.0%	11,891	27,052	2,137	3,214	0	0	0	0
Mississippi	230,934	296,165	-22.0%	206,069	223,530	24,865	60,134	0	0	0	12,501
Tennessee	32,420	58,579	-45.0%	32,289	58,314	0	0	0	0	131	265
West South Central	2,417,105	2,702,484	-11.0%	654,531	765,712	1,189,907	1,354,959	0	3,560	572,668	578,252
Arkansas	84,111	122,354	-31.0%	21,870	22,232	62,241	100,122	0	0	0	0
Louisiana	429,167	490,489	-13.0%	170,257	206,544	72,018	90,600	0	0	186,891	193,344
Oklahoma	224,766	299,071	-25.0%	172,104	217,610	52,662	80,790	0	0	0	671
Texas	1,679,062	1,790,570	-6.2%	290,299	319,326	1,002,986	1,083,447	0	3,560	385,777	384,237
Mountain	529,261	576,405	-8.2%	330,711	358,286	198,037	212,466	0	0	513	5,653
Arizona	186,658	220,207	-15.0%	79,852	107,569	106,806	112,480	0	0	0	159
Colorado	73,144	75,353	-2.9%	41,022	43,062	32,122	32,292	0	0	0	0
Idaho	19,765	12,157	63.0%	9,574	4,233	10,191	7,924	0	0	0	0
Montana	0	18	-100.0%	0	8	0	10	0	0	0	0
Nevada	150,057	163,228	-8.1%	125,543	127,160	24,514	36,067	0	0	0	0
New Mexico	59,335	60,485	-1.9%	39,406	40,345	19,928	20,140	0	0	0	0
Utah	40,229	40,228	0.0%	35,240	35,639	4,475	3,542	0	0	513	1,046
Wyoming	73	4,729	-98.0%	73	270	0	11	0	0	0	4,448
Pacific Contiguous	808,068	849,143	-4.8%	295,058	284,061	472,618	502,576	0	0	40,392	62,506
California	660,414	733,756	-10.0%	208,814	230,660	411,209	443,810	0	0	40,392	59,286
Oregon	88,393	75,325	17.0%	31,514	27,022	56,879	48,273	0	0	0	30
Washington	59,261	40,062	48.0%	54,731	26,379	4,530	10,493	0	0	0	3,190
Pacific Noncontiguous	22,458	30,719	-27.0%	22,458	30,719	0	0	0	0	0	0
Alaska	22,458	30,719	-27.0%	22,458	30,719	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	7,770,679	8,891,246	-13.0%	3,360,438	3,730,656	3,746,994	4,403,436	4,859	16,342	658,388	740,813

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Table 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, November 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012
New England	W	W	W	3.77	3.88	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	3.77	3.88	-2.8%	3.77	3.88	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.56	2.54	0.8%	--	--	2.56	2.54
New Jersey	4.05	3.99	1.5%	--	--	4.05	3.99
New York	3.23	3.05	5.9%	--	--	3.23	3.05
Pennsylvania	2.49	2.47	0.8%	--	--	2.49	2.47
East North Central	2.26	2.36	-4.2%	2.40	2.50	1.97	2.01
Illinois	1.91	1.95	-2.1%	2.02	1.98	1.89	1.94
Indiana	W	W	W	2.53	2.63	W	W
Michigan	2.56	W	W	2.56	2.70	--	W
Ohio	W	W	W	2.23	2.36	W	W
Wisconsin	2.33	2.39	-2.5%	2.33	2.39	--	--
West North Central	1.76	1.72	2.3%	1.76	1.72	--	--
Iowa	1.63	1.49	9.4%	1.63	1.49	--	--
Kansas	1.74	1.84	-5.4%	1.74	1.84	--	--
Minnesota	1.94	2.05	-5.4%	1.94	2.05	--	--
Missouri	1.84	1.82	1.1%	1.84	1.82	--	--
Nebraska	1.38	1.55	-11.0%	1.38	1.55	--	--
North Dakota	1.84	1.47	25.0%	1.84	1.47	--	--
South Dakota	1.97	2.11	-6.6%	1.97	2.11	--	--
South Atlantic	3.13	3.27	-4.3%	3.27	3.39	2.58	2.87
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.26	3.47	W	W
Georgia	3.23	3.25	-0.6%	3.23	3.25	--	--
Maryland	3.23	3.68	-12.0%	--	--	3.23	3.68
North Carolina	3.84	3.76	2.1%	3.84	3.81	--	2.60
South Carolina	3.69	3.92	-5.9%	3.69	3.92	--	--
Virginia	W	W	W	3.23	3.35	W	W
West Virginia	2.40	2.54	-5.5%	2.62	2.79	2.11	2.19
East South Central	W	W	W	2.49	2.63	W	W
Alabama	2.74	2.89	-5.2%	2.74	2.89	--	--
Kentucky	2.36	2.38	-0.8%	2.36	2.38	--	--
Mississippi	W	W	W	4.02	4.65	W	W
Tennessee	2.31	2.56	-9.8%	2.31	2.56	--	--
West South Central	2.08	2.03	2.5%	2.22	2.17	1.92	1.89
Arkansas	W	W	W	2.48	2.42	W	W
Louisiana	W	W	W	2.89	3.11	W	W
Oklahoma	W	W	W	1.93	1.99	W	W
Texas	1.96	1.87	4.8%	2.12	1.93	1.87	1.84
Mountain	W	W	W	1.98	1.84	W	W
Arizona	2.06	2.08	-1.0%	2.06	2.08	--	--
Colorado	1.90	1.83	3.8%	1.90	1.83	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.34	W	W
Nevada	W	W	W	2.77	2.70	W	W
New Mexico	2.23	2.13	4.7%	2.23	2.13	--	--
Utah	2.16	1.82	19.0%	2.16	1.82	--	--
Wyoming	1.63	W	W	1.63	1.45	--	W
Pacific Contiguous	W	W	W	2.01	1.89	W	W
California	--	W	W	--	--	--	W
Oregon	2.01	1.89	6.3%	2.01	1.89	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	--	W	--	--	W	--
Alaska	--	--	--	--	--	--	--
Hawaii	W	--	W	--	--	W	--
U.S. Total	2.32	2.35	-1.3%	2.37	2.40	2.19	2.22

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary.

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

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

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

Table 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, (Year-to-Date) November 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	3.75	W	W	4.22	4.03	3.54	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.22	4.03	4.7%	4.22	4.03	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.59	2.50	3.6%	--	--	2.59	2.50
New Jersey	3.86	4.04	-4.5%	--	--	3.86	4.04
New York	3.00	3.13	-4.2%	--	--	3.00	3.13
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	2.05
Illinois	1.88	1.93	-2.6%	2.07	2.09	1.85	1.91
Indiana	W	W	W	2.53	2.59	W	W
Michigan	W	W	W	2.66	2.79	W	W
Ohio	W	W	W	2.24	2.41	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	2.00	1.97	1.5%	2.00	1.97	--	--
Missouri	1.90	1.85	2.7%	1.90	1.85	--	--
Nebraska	1.42	1.55	-8.4%	1.42	1.55	--	--
North Dakota	1.57	1.49	5.4%	1.57	1.49	--	--
South Dakota	2.00	2.21	-9.5%	2.00	2.21	--	--
South Atlantic	3.21	3.35	-4.2%	3.32	3.46	2.77	2.89
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.41	3.49	W	W
Georgia	3.17	3.49	-9.2%	3.17	3.49	--	--
Maryland	3.44	3.58	-3.9%	--	--	3.44	3.58
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	3.27	3.64	W	W
West Virginia	2.49	2.53	-1.6%	2.68	2.69	2.19	2.24
East South Central	W	W	W	2.52	2.70	W	W
Alabama	2.79	3.02	-7.6%	2.79	3.02	--	--
Kentucky	2.35	2.43	-3.3%	2.35	2.43	--	--
Mississippi	W	W	W	3.95	4.45	W	W
Tennessee	2.39	2.62	-8.8%	2.39	2.62	--	--
West South Central	2.09	2.00	4.5%	2.25	2.11	1.91	1.88
Arkansas	W	W	W	2.40	2.22	W	W
Louisiana	W	W	W	2.91	2.85	W	W
Oklahoma	W	W	W	2.02	1.97	W	W
Texas	1.98	1.88	5.3%	2.16	1.98	1.86	1.82
Mountain	W	1.84	W	1.95	1.87	W	1.43
Arizona	2.06	2.06	0.0%	2.06	2.06	--	--
Colorado	1.91	1.84	3.8%	1.91	1.84	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.62	W	W
Nevada	W	W	W	2.74	2.55	W	W
New Mexico	2.30	2.19	5.0%	2.30	2.19	--	--
Utah	2.04	1.92	6.3%	2.04	1.92	--	--
Wyoming	1.53	W	W	1.53	1.45	--	W
Pacific Contiguous	W	W	W	1.96	1.89	W	W
California	W	W	W	--	--	W	W
Oregon	1.96	1.89	3.7%	1.96	1.89	--	--
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	2.37	-1.3%	2.38	2.43	2.21	2.21

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary.

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

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

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

Table 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, November 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012
New England	W	21.22	W	18.49	25.41	W	20.57
Connecticut	W	26.35	W	--	26.27	W	26.37
Maine	W	W	W	--	--	W	W
Massachusetts	16.95	W	W	22.15	--	16.53	W
New Hampshire	W	24.76	W	16.99	24.76	W	--
Rhode Island	W	--	W	--	--	W	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	19.42	W	W	--	24.62	19.42	W
New Jersey	W	W	W	--	--	W	W
New York	W	W	W	--	24.62	W	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	22.62	24.13	-6.3%	22.59	23.96	22.78	24.60
Illinois	22.76	24.56	-7.3%	23.07	24.87	22.68	24.49
Indiana	22.66	23.84	-4.9%	22.66	23.84	--	--
Michigan	22.30	23.44	-4.9%	22.30	23.44	--	--
Ohio	22.69	W	W	22.66	24.92	22.87	W
Wisconsin	22.39	W	W	22.39	23.67	--	W
West North Central	22.61	23.22	-2.6%	22.61	23.22	--	--
Iowa	22.25	22.40	-0.7%	22.25	22.40	--	--
Kansas	22.97	25.21	-8.9%	22.97	25.21	--	--
Minnesota	23.41	23.71	-1.3%	23.41	23.71	--	--
Missouri	22.18	20.57	7.8%	22.18	20.57	--	--
Nebraska	22.15	23.86	-7.2%	22.15	23.86	--	--
North Dakota	23.50	24.07	-2.4%	23.50	24.07	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	22.18	21.81	1.7%	22.38	21.32	21.65	23.11
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	23.43	18.88	W	W
Georgia	22.89	23.52	-2.7%	22.89	23.52	--	--
Maryland	W	22.61	W	--	--	W	22.61
North Carolina	21.67	W	W	21.67	22.73	--	W
South Carolina	22.50	24.27	-7.3%	22.50	24.27	--	--
Virginia	W	W	W	21.28	22.98	W	W
West Virginia	22.95	27.29	-16.0%	22.95	27.29	--	--
East South Central	22.20	24.26	-8.5%	22.20	24.26	--	--
Alabama	21.67	24.11	-10.0%	21.67	24.11	--	--
Kentucky	22.50	24.24	-7.2%	22.50	24.24	--	--
Mississippi	20.72	23.54	-12.0%	20.72	23.54	--	--
Tennessee	21.65	25.34	-15.0%	21.65	25.34	--	--
West South Central	21.98	23.37	-5.9%	21.63	22.58	22.24	23.98
Arkansas	W	W	W	21.83	--	W	W
Louisiana	W	W	W	--	--	W	W
Oklahoma	--	28.18	--	--	28.18	--	--
Texas	W	W	W	21.19	22.56	W	W
Mountain	W	W	W	23.68	24.53	W	W
Arizona	23.24	23.69	-1.9%	23.24	23.69	--	--
Colorado	22.68	13.14	73.0%	22.68	13.14	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	24.84	25.77	W	W
New Mexico	23.97	25.73	-6.8%	23.97	25.73	--	--
Utah	24.49	W	W	24.49	25.53	--	W
Wyoming	22.92	20.74	11.0%	22.92	20.74	--	--
Pacific Contiguous	W	W	W	23.48	25.12	W	W
California	--	25.55	--	--	25.55	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	23.48	25.04	W	W
Pacific Noncontiguous	W	W	W	21.47	21.96	W	W
Alaska	--	25.08	--	--	25.08	--	--
Hawaii	W	W	W	21.47	21.67	W	W
U.S. Total	20.10	22.54	-11.0%	21.60	22.46	18.51	22.75

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary.

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

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

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

Table 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) November 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	17.84	19.85	-10.0%	18.55	21.06	17.71	19.76
Connecticut	W	20.45	W	--	26.27	W	20.41
Maine	W	W	W	--	--	W	W
Massachusetts	18.12	W	W	21.91	16.03	17.63	W
New Hampshire	W	23.21	W	16.80	23.21	W	--
Rhode Island	W	--	W	--	--	W	--
Vermont	--	24.11	--	--	24.11	--	--
Middle Atlantic	20.35	W	W	21.95	21.00	19.88	W
New Jersey	21.31	20.73	2.8%	--	--	21.31	20.73
New York	19.89	W	W	21.95	21.00	19.03	W
Pennsylvania	22.07	21.76	1.4%	--	--	22.07	21.76
East North Central	22.95	23.11	-0.7%	22.90	22.98	23.15	23.74
Illinois	W	W	W	23.57	24.34	W	W
Indiana	22.98	23.18	-0.9%	22.98	23.18	--	--
Michigan	W	W	W	22.77	22.69	W	W
Ohio	22.99	23.07	-0.3%	22.94	23.05	23.11	23.19
Wisconsin	W	W	W	22.50	21.99	W	W
West North Central	22.69	22.37	1.4%	22.69	22.37	--	--
Iowa	22.63	22.99	-1.6%	22.63	22.99	--	--
Kansas	22.57	22.94	-1.6%	22.57	22.94	--	--
Minnesota	23.20	23.75	-2.3%	23.20	23.75	--	--
Missouri	22.29	20.32	9.7%	22.29	20.32	--	--
Nebraska	22.43	22.96	-2.3%	22.43	22.96	--	--
North Dakota	23.25	23.89	-2.7%	23.25	23.89	--	--
South Dakota	23.31	20.69	13.0%	23.31	20.69	--	--
South Atlantic	W	W	W	20.45	21.54	W	W
Delaware	W	W	W	--	--	W	W
District of Columbia	--	W	W	--	--	--	W
Florida	W	W	W	19.00	20.59	W	W
Georgia	W	24.23	W	23.39	24.23	W	--
Maryland	21.75	22.76	-4.4%	--	--	21.75	22.76
North Carolina	W	W	W	22.61	23.15	W	W
South Carolina	23.14	21.01	10.0%	23.14	21.01	--	--
Virginia	W	W	W	17.85	18.69	W	W
West Virginia	23.46	W	W	23.46	23.41	--	W
East South Central	W	W	W	22.59	22.75	W	W
Alabama	W	W	W	22.32	22.85	W	W
Kentucky	22.70	22.89	-0.8%	22.70	22.89	--	--
Mississippi	21.53	22.21	-3.1%	21.53	22.21	--	--
Tennessee	22.71	22.42	1.3%	22.71	22.42	--	--
West South Central	22.25	22.70	-2.0%	22.29	22.92	22.23	22.54
Arkansas	W	W	W	22.12	23.14	W	W
Louisiana	W	W	W	22.03	22.37	W	W
Oklahoma	22.33	22.77	-1.9%	22.33	22.77	--	--
Texas	W	W	W	22.44	23.01	W	W
Mountain	W	23.45	W	23.83	24.03	W	18.93
Arizona	24.27	23.67	2.5%	24.27	23.67	--	--
Colorado	23.50	W	W	23.50	17.77	--	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	24.31	25.33	W	W
New Mexico	24.48	25.87	-5.4%	24.48	25.87	--	--
Utah	22.27	W	W	22.27	23.78	--	W
Wyoming	23.26	22.51	3.3%	23.26	22.51	--	--
Pacific Contiguous	W	W	W	23.23	25.01	W	W
California	--	26.98	--	--	26.98	--	--
Oregon	22.05	22.68	-2.8%	22.05	22.68	--	--
Washington	W	W	W	23.60	25.04	W	W
Pacific Noncontiguous	W	W	W	20.73	22.18	W	W
Alaska	--	23.50	--	--	23.50	--	--
Hawaii	W	W	W	20.73	22.06	W	W
U.S. Total	20.56	22.29	-7.8%	21.04	22.18	19.69	22.72

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary.

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

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

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

Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, November 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.44	1.79	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	1.44	W	W	1.44	--	--	W
Ohio	W	--	W	--	--	W	--
Wisconsin	--	1.79	--	--	1.79	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.08	2.21	-5.9%	2.08	2.21	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.08	2.21	-5.9%	2.08	2.21	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.78	1.84	-3.3%	1.78	1.84	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.78	1.84	-3.3%	1.78	1.84	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.93	1.99	-3.0%	1.93	1.99	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.93	1.99	-3.0%	1.93	1.99	--	--
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	1.87	2.00	W	W

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary.

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

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

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

Table 4.12.B. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) November 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 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	1.49	4.10	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	4.56	--	--	4.56	--	--
Michigan	W	W	W	1.43	--	W	W
Ohio	W	--	W	--	--	W	--
Wisconsin	1.75	1.69	3.6%	1.75	1.69	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.61	2.60	0.4%	2.61	2.60	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.61	2.60	0.4%	2.61	2.60	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.81	1.83	-1.1%	1.81	1.83	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.81	1.83	-1.1%	1.81	1.83	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.95	W	W	1.95	2.00	--	W
Arkansas	--	--	--	--	--	--	--
Louisiana	1.95	2.00	-2.5%	1.95	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	2.15	W	2.13	2.33	W	0.84

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary.

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

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

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

Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, November 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2013	November 2012	Percentage Change	November 2013	November 2012	November 2013	November 2012
New England	5.28	5.77	-8.5%	7.04	7.74	5.27	5.75
Connecticut	5.04	5.84	-14.0%	--	12.50	5.04	5.83
Maine	W	W	W	--	--	W	W
Massachusetts	5.41	5.31	1.9%	6.31	7.58	5.40	5.26
New Hampshire	W	8.11	W	15.52	8.11	W	--
Rhode Island	W	W	W	--	--	W	W
Vermont	--	4.87	--	--	4.87	--	--
Middle Atlantic	4.16	4.37	-4.8%	4.46	4.60	4.12	4.33
New Jersey	4.04	4.17	-3.1%	--	--	4.04	4.17
New York	4.60	4.76	-3.4%	4.46	4.60	4.66	4.81
Pennsylvania	3.77	3.87	-2.6%	--	--	3.77	3.87
East North Central	3.91	4.06	-3.7%	3.96	4.08	3.89	4.04
Illinois	W	W	W	5.63	8.39	W	W
Indiana	W	W	W	3.93	3.94	W	W
Michigan	4.33	4.31	0.5%	4.06	4.19	4.43	4.33
Ohio	3.60	3.81	-5.5%	3.55	3.88	3.62	3.77
Wisconsin	4.31	4.28	0.7%	4.72	4.44	4.03	4.10
West North Central	4.87	W	W	4.88	4.53	4.85	W
Iowa	5.52	4.43	25.0%	5.52	4.43	--	--
Kansas	4.77	4.54	5.1%	4.77	4.54	--	--
Minnesota	W	W	W	5.01	4.48	W	W
Missouri	W	W	W	4.44	4.48	W	W
Nebraska	5.17	7.22	-28.0%	5.17	7.22	--	--
North Dakota	--	7.13	--	--	7.13	--	--
South Dakota	4.02	4.43	-9.3%	4.02	4.43	--	--
South Atlantic	4.66	4.86	-4.1%	4.75	4.99	4.11	4.02
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	5.21	W	4.93	5.28	W	3.14
Georgia	W	4.32	W	4.25	4.33	W	4.31
Maryland	5.99	W	W	--	--	5.99	W
North Carolina	W	W	W	4.65	5.30	W	W
South Carolina	W	4.22	W	5.43	4.22	W	--
Virginia	3.94	4.13	-4.6%	4.19	4.23	3.67	3.97
West Virginia	3.68	3.81	-3.4%	3.07	3.66	4.17	3.83
East South Central	3.92	3.87	1.3%	3.90	3.80	3.97	4.00
Alabama	W	W	W	3.87	3.87	W	W
Kentucky	5.15	W	W	5.15	4.27	--	W
Mississippi	W	W	W	3.86	3.75	W	W
Tennessee	4.09	3.72	9.9%	4.09	3.72	--	--
West South Central	3.81	3.70	3.0%	3.95	3.79	3.74	3.65
Arkansas	W	3.79	W	4.97	5.62	W	3.71
Louisiana	3.69	3.73	-1.1%	3.80	3.79	3.54	3.56
Oklahoma	W	3.84	W	4.06	3.85	W	3.83
Texas	3.79	3.66	3.6%	3.90	3.73	3.75	3.64
Mountain	4.43	W	W	4.54	4.45	4.04	W
Arizona	4.55	4.69	-3.0%	5.04	5.21	3.81	3.95
Colorado	W	W	W	5.01	5.02	W	W
Idaho	W	W	W	4.38	8.50	W	W
Montana	--	W	W	--	5.03	--	W
Nevada	W	4.10	W	4.44	4.09	W	4.15
New Mexico	4.25	4.24	0.2%	4.25	4.24	--	--
Utah	3.94	3.77	4.5%	3.94	3.77	--	--
Wyoming	6.66	6.65	0.2%	6.66	6.65	--	--
Pacific Contiguous	4.30	4.28	0.5%	4.70	4.58	4.00	4.05
California	4.33	4.32	0.2%	4.82	4.59	4.07	4.12
Oregon	W	W	W	4.06	3.78	W	W
Washington	W	W	W	4.79	5.66	W	W
Pacific Noncontiguous	4.76	4.08	17.0%	4.76	4.08	--	--
Alaska	4.76	4.08	17.0%	4.76	4.08	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.25	4.33	-1.8%	4.46	4.49	4.04	4.16

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary.

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

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

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

Table 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) November 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	November 2013 YTD	November 2012 YTD	Percentage Change	November 2013 YTD	November 2012 YTD	November 2013 YTD	November 2012 YTD
New England	5.57	3.57	56.0%	6.87	4.69	5.56	3.56
Connecticut	5.73	3.68	56.0%	--	6.14	5.73	3.68
Maine	W	W	W	--	--	W	W
Massachusetts	5.46	3.45	58.0%	6.25	4.42	5.46	3.44
New Hampshire	W	W	W	8.85	5.54	W	W
Rhode Island	5.37	3.74	44.0%	--	--	5.37	3.74
Vermont	--	3.93	--	--	3.93	--	--
Middle Atlantic	4.48	3.44	30.0%	4.95	3.73	4.41	3.40
New Jersey	4.14	3.46	20.0%	--	--	4.14	3.46
New York	5.05	3.76	34.0%	4.95	3.73	5.09	3.78
Pennsylvania	3.97	2.99	33.0%	--	--	3.97	2.99
East North Central	4.09	3.05	34.0%	4.09	3.06	4.09	3.04
Illinois	W	3.24	W	4.77	3.23	W	3.25
Indiana	W	2.98	W	3.98	2.95	W	3.08
Michigan	4.44	3.10	43.0%	4.37	3.08	4.46	3.11
Ohio	3.80	2.92	30.0%	3.80	2.92	3.80	2.92
Wisconsin	4.33	3.15	37.0%	4.48	3.32	4.18	2.93
West North Central	4.47	W	W	4.48	3.52	4.40	W
Iowa	4.47	3.73	20.0%	4.47	3.73	--	--
Kansas	4.36	3.18	37.0%	4.36	3.18	--	--
Minnesota	W	W	W	4.60	3.69	W	W
Missouri	W	W	W	4.40	3.42	W	W
Nebraska	4.77	3.79	26.0%	4.77	3.79	--	--
North Dakota	--	5.70	--	--	5.70	--	--
South Dakota	4.02	3.37	19.0%	4.02	3.37	--	--
South Atlantic	4.75	4.19	13.0%	4.82	4.39	4.29	3.08
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	4.69	W	5.03	4.79	W	2.48
Georgia	4.33	3.29	32.0%	4.30	3.32	4.49	3.23
Maryland	W	W	W	--	--	W	W
North Carolina	W	W	W	4.77	4.30	W	W
South Carolina	W	W	W	4.56	3.58	W	W
Virginia	4.09	3.22	27.0%	4.25	3.26	3.83	3.17
West Virginia	4.14	3.24	28.0%	3.78	3.18	4.21	3.26
East South Central	3.97	2.92	36.0%	3.93	2.93	4.03	2.91
Alabama	4.03	2.98	35.0%	3.97	3.06	4.06	2.94
Kentucky	W	W	W	5.60	3.43	W	W
Mississippi	W	W	W	3.85	2.85	W	W
Tennessee	3.75	2.81	33.0%	3.75	2.81	--	--
West South Central	3.85	2.90	33.0%	3.97	2.96	3.78	2.85
Arkansas	4.17	3.08	35.0%	5.15	3.82	3.84	2.92
Louisiana	3.83	2.87	33.0%	3.89	2.92	3.68	2.75
Oklahoma	3.94	2.91	35.0%	3.97	2.99	3.82	2.72
Texas	3.82	2.88	33.0%	3.91	2.92	3.78	2.87
Mountain	4.32	W	W	4.43	3.45	4.06	W
Arizona	4.46	3.40	31.0%	4.90	3.64	3.97	3.09
Colorado	4.66	W	W	4.73	3.93	4.57	W
Idaho	W	W	W	4.23	4.08	W	W
Montana	--	W	W	--	3.97	--	W
Nevada	W	3.31	W	4.27	3.33	W	3.22
New Mexico	4.18	W	W	4.18	3.31	--	W
Utah	3.91	2.85	37.0%	3.91	2.85	--	--
Wyoming	7.18	W	W	7.18	5.65	--	W
Pacific Contiguous	4.23	3.49	21.0%	4.51	3.85	4.00	3.23
California	4.33	3.54	22.0%	4.71	3.92	4.07	3.28
Oregon	W	W	W	3.72	3.05	W	W
Washington	W	W	W	4.34	4.21	W	W
Pacific Noncontiguous	4.70	4.31	9.0%	4.70	4.31	--	--
Alaska	4.70	4.31	9.0%	4.70	4.31	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.33	3.41	27.0%	4.46	3.68	4.18	3.12

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.

See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.

See Glossary for definitions. Values for 2012 are final. Values for 2013 are preliminary.

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

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

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

Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, November 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	100	0.93	8.8	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	5	0.82	7.9	0	--	--	0	--	--
Massachusetts	38	0.70	13.7	0	--	--	0	--	--
New Hampshire	57	1.07	5.9	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,780	3.08	10.4	25	0.22	5.6	0	--	--
New Jersey	77	1.53	10.0	0	--	--	0	--	--
New York	95	2.36	11.8	25	0.22	5.6	0	--	--
Pennsylvania	2,608	3.15	10.4	0	--	--	0	--	--
East North Central	6,548	2.94	9.4	8,623	0.25	5.0	0	--	--
Illinois	558	3.54	15.3	4,448	0.22	4.8	0	--	--
Indiana	2,937	2.78	8.8	179	0.28	5.3	0	--	--
Michigan	90	1.00	10.3	2,152	0.30	5.0	0	--	--
Ohio	2,814	3.12	9.1	128	0.34	5.7	0	--	--
Wisconsin	149	1.98	7.3	1,716	0.26	5.1	0	--	--
West North Central	77	3.30	10.1	8,918	0.28	5.2	1,750	0.76	10.1
Iowa	43	3.50	8.0	1,308	0.28	5.0	0	--	--
Kansas	21	3.28	15.0	1,643	0.32	5.1	0	--	--
Minnesota	0	--	--	1,190	0.37	6.0	0	--	--
Missouri	12	2.66	9.5	3,375	0.23	4.9	0	--	--
Nebraska	0	--	--	1,249	0.30	5.5	0	--	--
North Dakota	0	--	--	0	--	--	1,750	0.76	10.1
South Dakota	0	--	--	151	0.37	5.2	0	--	--
South Atlantic	8,443	2.14	10.7	1,025	0.30	4.6	0	--	--
Delaware	45	2.50	7.8	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,668	2.25	8.8	12	0.26	4.8	0	--	--
Georgia	548	1.23	9.4	998	0.30	4.6	0	--	--
Maryland	520	1.92	10.2	16	0.23	4.4	0	--	--
North Carolina	1,297	1.72	9.3	0	--	--	0	--	--
South Carolina	822	1.64	8.4	0	--	--	0	--	--
Virginia	898	1.02	16.3	0	--	--	0	--	--
West Virginia	2,645	3.02	12.1	0	--	--	0	--	--
East South Central	4,654	2.47	9.6	1,980	0.27	5.1	270	0.44	14.3
Alabama	878	1.51	10.1	1,200	0.25	5.1	0	--	--
Kentucky	3,130	2.89	9.7	169	0.33	5.6	0	--	--
Mississippi	84	1.19	10.5	14	0.22	5.6	270	0.44	14.3
Tennessee	562	1.91	8.5	597	0.28	5.0	0	--	--
West South Central	66	2.14	17.5	8,418	0.28	5.2	3,191	1.02	16.1
Arkansas	0	--	--	1,747	0.27	5.4	0	--	--
Louisiana	26	3.35	6.9	951	0.30	5.2	44	0.81	16.4
Oklahoma	40	1.26	25.2	1,475	0.25	5.0	0	--	--
Texas	0	--	--	4,245	0.29	5.2	3,147	1.03	16.1
Mountain	2,656	0.61	14.5	5,842	0.53	9.7	0	--	--
Arizona	723	0.59	10.7	1,122	0.68	10.0	0	--	--
Colorado	315	0.51	10.5	1,210	0.32	5.6	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	511	0.67	8.7	0	--	--
Nevada	36	0.33	13.4	156	0.39	7.7	0	--	--
New Mexico	519	0.81	26.3	731	0.70	22.3	0	--	--
Utah	1,063	0.58	13.3	72	1.08	9.0	0	--	--
Wyoming	0	--	--	2,040	0.47	7.8	0	--	--
Pacific Contiguous	55	0.41	10.1	646	0.38	7.6	0	--	--
California	55	0.41	10.1	0	--	--	0	--	--
Oregon	0	--	--	151	0.33	4.8	0	--	--
Washington	0	--	--	495	0.40	8.4	0	--	--
Pacific Noncontiguous	61	1.28	4.4	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	61	1.28	4.4	0	--	--	0	--	--
U.S. Total	25,439	2.36	10.5	35,477	0.32	5.9	5,211	0.91	14.0

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

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process. See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes. See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilities by State, November 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	57	1.07	5.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	57	1.07	5.9	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	5,412	2.91	9.0	4,356	0.28	5.1	0	--	--
Illinois	208	3.50	11.5	327	0.22	4.8	0	--	--
Indiana	2,659	2.73	8.8	179	0.28	5.3	0	--	--
Michigan	80	1.05	10.4	2,152	0.30	5.0	0	--	--
Ohio	2,374	3.15	9.1	0	--	--	0	--	--
Wisconsin	92	2.22	7.6	1,697	0.26	5.1	0	--	--
West North Central	24	2.86	14.2	8,853	0.28	5.2	1,750	0.76	10.1
Iowa	0	--	--	1,243	0.29	5.0	0	--	--
Kansas	21	3.28	15.0	1,643	0.32	5.1	0	--	--
Minnesota	0	--	--	1,190	0.37	6.0	0	--	--
Missouri	3	0.43	9.9	3,375	0.23	4.9	0	--	--
Nebraska	0	--	--	1,249	0.30	5.5	0	--	--
North Dakota	0	--	--	0	--	--	1,750	0.76	10.1
South Dakota	0	--	--	151	0.37	5.2	0	--	--
South Atlantic	6,538	1.95	10.5	1,010	0.30	4.6	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,615	2.29	8.7	12	0.26	4.8	0	--	--
Georgia	521	1.24	9.4	998	0.30	4.6	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,297	1.72	9.3	0	--	--	0	--	--
South Carolina	802	1.66	8.5	0	--	--	0	--	--
Virginia	824	1.00	17.1	0	--	--	0	--	--
West Virginia	1,479	2.69	11.7	0	--	--	0	--	--
East South Central	4,517	2.53	9.7	1,980	0.27	5.1	0	--	--
Alabama	878	1.51	10.1	1,200	0.25	5.1	0	--	--
Kentucky	3,130	2.89	9.7	169	0.33	5.6	0	--	--
Mississippi	84	1.19	10.5	14	0.22	5.6	0	--	--
Tennessee	426	2.28	8.7	597	0.28	5.0	0	--	--
West South Central	26	3.35	6.9	5,430	0.27	5.2	498	1.55	22.1
Arkansas	0	--	--	1,518	0.28	5.4	0	--	--
Louisiana	26	3.35	6.9	339	0.29	5.3	44	0.81	16.4
Oklahoma	0	--	--	1,406	0.26	5.0	0	--	--
Texas	0	--	--	2,167	0.27	5.1	454	1.64	22.7
Mountain	2,656	0.61	14.5	5,269	0.52	9.8	0	--	--
Arizona	723	0.59	10.7	1,122	0.68	10.0	0	--	--
Colorado	315	0.51	10.5	1,210	0.32	5.6	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	36	0.33	13.4	94	0.41	9.2	0	--	--
New Mexico	519	0.81	26.3	731	0.70	22.3	0	--	--
Utah	1,063	0.58	13.3	72	1.08	9.0	0	--	--
Wyoming	0	--	--	2,040	0.47	7.8	0	--	--
Pacific Contiguous	0	--	--	151	0.33	4.8	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	151	0.33	4.8	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	19,231	2.19	10.4	27,049	0.33	6.0	2,248	0.92	12.5

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

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process. See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes. See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, November 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	42	0.71	13.2	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	3	0.82	7.9	0	--	--	0	--	--
Massachusetts	38	0.70	13.7	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	2,751	3.09	10.4	25	0.22	5.6	0	--	--
New Jersey	77	1.53	10.0	0	--	--	0	--	--
New York	79	2.63	12.4	25	0.22	5.6	0	--	--
Pennsylvania	2,595	3.15	10.4	0	--	--	0	--	--
East North Central	908	3.17	12.1	4,216	0.22	4.8	0	--	--
Illinois	213	3.61	25.4	4,088	0.21	4.8	0	--	--
Indiana	277	3.33	9.6	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	417	2.92	9.0	128	0.34	5.7	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	0	--	--	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	1,755	2.88	11.4	16	0.23	4.4	0	--	--
Delaware	45	2.50	7.8	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	52	0.96	11.1	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	490	1.89	9.6	16	0.23	4.4	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	43	0.82	9.1	0	--	--	0	--	--
West Virginia	1,125	3.52	12.5	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	270	0.44	14.3
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	270	0.44	14.3
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	40	1.26	25.2	2,988	0.30	5.2	2,693	0.94	15.1
Arkansas	0	--	--	229	0.26	5.2	0	--	--
Louisiana	0	--	--	612	0.31	5.2	0	--	--
Oklahoma	40	1.26	25.2	69	0.23	4.7	0	--	--
Texas	0	--	--	2,078	0.31	5.2	2,693	0.94	15.1
Mountain	0	--	--	573	0.63	8.3	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	511	0.67	8.7	0	--	--
Nevada	0	--	--	61	0.35	5.1	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	495	0.40	8.4	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	495	0.40	8.4	0	--	--
Pacific Noncontiguous	61	1.28	4.4	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	61	1.28	4.4	0	--	--	0	--	--
U.S. Total	5,556	2.99	11.0	8,312	0.29	5.4	2,963	0.90	15.1

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.
 NM = Not meaningful due to large relative standard error or excessive percentage change.
 W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process. See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes. See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

**Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation:
Commercial Sector by State, November 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	9	3.52	9.4	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	9	3.52	9.4	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	9	3.52	9.4	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.
 W = Withheld to avoid disclosure of individual company data.

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process. See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes. See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

**Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation:
Industrial Sector by State, November 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	2	0.82	7.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	2	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	29	1.69	10.1	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	16	1.21	8.9	0	--	--	0	--	--
Pennsylvania	13	2.32	11.7	0	--	--	0	--	--
East North Central	227	2.86	8.2	51	0.35	5.4	0	--	--
Illinois	138	3.50	8.5	32	0.41	5.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	10	0.57	9.0	0	--	--	0	--	--
Ohio	22	3.76	10.7	0	--	--	0	--	--
Wisconsin	58	1.56	6.8	19	0.26	5.1	0	--	--
West North Central	43	3.50	8.0	65	0.22	4.4	0	--	--
Iowa	43	3.50	8.0	65	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	150	1.43	11.5	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	26	1.15	8.9	0	--	--	0	--	--
Maryland	30	2.45	20.0	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	20	0.85	7.8	0	--	--	0	--	--
Virginia	32	1.71	8.3	0	--	--	0	--	--
West Virginia	41	0.98	11.9	0	--	--	0	--	--
East South Central	137	0.87	8.2	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	137	0.87	8.2	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	55	0.41	10.1	0	--	--	0	--	--
California	55	0.41	10.1	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	644	1.83	9.3	116	0.28	4.8	0	--	--

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

Notes:

Starting in January 2013, there may be a shift in the continuity of Chapter 4 Tables, due to changes in the sample design of Form EIA-923 and the imputation process.
 See the Instrument Design History section of the Form EIA-923 Technical Notes for a more detailed explanation of these changes.
 See Glossary for definitions. Values for 2013 are preliminary. Values for 2012 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

**Table 5.1. Retail Sales of Electricity to Ultimate Customers:
Total by End-Use Sector, 2003 - November 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
November	97,812	103,449	77,536	562	279,359
Year to Date					
2011	1,306,460	1,223,185	911,359	7,017	3,448,020
2012	1,260,327	1,222,979	907,354	6,701	3,397,362
2013	1,262,733	1,229,599	878,521	6,860	3,377,713
Rolling 12 Months Ending in November					
2012	1,376,668	1,327,852	987,310	7,357	3,699,187
2013	1,376,921	1,333,721	956,880	7,479	3,675,001

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 - November 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
November	11,827	10,470	5,111	58	27,466
Year to Date					
2011	153,452	125,686	62,401	739	342,277
2012	150,009	123,687	60,652	684	335,032
2013	153,501	126,917	60,063	706	341,186
Rolling 12 Months Ending in November					
2012	163,271	133,928	65,857	748	363,803
2013	166,772	137,128	65,172	769	369,842

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 - November 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
November	12.09	10.12	6.59	10.40	9.83
Year to Date					
2011	11.75	10.28	6.85	10.53	9.93
2012	11.90	10.11	6.68	10.20	9.86
2013	12.16	10.32	6.84	10.29	10.10
Rolling 12 Months Ending in November					
2012	11.86	10.09	6.67	10.17	9.83
2013	12.11	10.28	6.81	10.29	10.06

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, November 2013 and 2012 (Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	3,517	3,551	3,462	3,444	2,118	2,247	44	47	9,142	9,289
Connecticut	920	932	972	970	252	282	14	16	2,157	2,199
Maine	374	353	322	315	263	252	0	0	959	921
Massachusetts	1,490	1,524	1,374	1,369	1,255	1,372	29	29	4,147	4,295
New Hampshire	329	335	339	346	157	152	0	0	825	833
Rhode Island	233	233	293	284	72	75	2	2	600	595
Vermont	171	174	163	159	119	114	0	0	453	446
Middle Atlantic	9,418	9,619	12,174	11,808	5,599	5,524	301	291	27,491	27,242
New Jersey	1,988	2,038	2,977	2,812	614	567	22	22	5,602	5,439
New York	3,463	3,666	5,862	5,683	1,099	1,185	222	210	10,646	10,744
Pennsylvania	3,966	3,915	3,335	3,312	3,886	3,772	56	60	11,244	11,059
East North Central	14,332	13,977	14,174	13,865	15,498	15,882	43	53	44,048	43,777
Illinois	3,503	3,243	3,915	3,859	3,490	3,542	38	48	10,946	10,692
Indiana	2,425	2,465	1,864	1,812	3,712	3,843	2	2	8,002	8,122
Michigan	2,604	2,587	2,945	2,888	2,604	2,577	1	0	8,154	8,052
Ohio	4,022	3,990	3,646	3,518	3,801	4,092	3	3	11,473	11,602
Wisconsin	1,778	1,692	1,804	1,788	1,891	1,829	0	0	5,473	5,308
West North Central	7,692	7,402	8,086	7,657	7,359	7,375	3	3	23,140	22,436
Iowa	1,091	1,007	1,025	944	1,721	1,615	0	0	3,837	3,566
Kansas	895	870	1,190	1,152	905	900	0	0	2,989	2,922
Minnesota	1,740	1,724	1,840	1,802	1,799	1,874	1	1	5,380	5,402
Missouri	2,423	2,365	2,403	2,260	1,341	1,419	2	2	6,168	6,046
Nebraska	701	679	743	698	911	917	0	0	2,355	2,294
North Dakota	461	412	513	440	463	434	0	0	1,437	1,285
South Dakota	381	344	373	361	219	215	0	0	973	921
South Atlantic	24,834	24,280	23,794	23,243	11,706	11,090	101	103	60,434	58,715
Delaware	319	354	332	336	185	243	0	0	835	933
District of Columbia	133	135	642	694	17	18	25	27	817	874
Florida	8,136	7,483	7,240	6,879	1,382	1,324	7	7	16,766	15,693
Georgia	3,836	3,696	3,530	3,495	2,590	2,427	11	12	9,968	9,630
Maryland	2,076	2,093	2,259	2,280	310	257	42	42	4,686	4,672
North Carolina	3,908	4,106	3,695	3,614	2,306	2,170	1	1	9,909	9,891
South Carolina	1,986	2,017	1,616	1,596	2,459	2,231	0	0	6,061	5,845
Virginia	3,458	3,411	3,847	3,711	1,424	1,423	14	14	8,742	8,559
West Virginia	983	984	634	638	1,033	996	0	0	2,650	2,618
East South Central	8,004	8,011	6,731	6,086	8,430	9,940	0	0	23,165	24,037
Alabama	2,230	2,170	1,679	1,610	2,854	2,679	0	0	6,763	6,460
Kentucky	1,922	1,953	1,450	1,388	2,514	3,645	0	0	5,886	6,986
Mississippi	1,168	1,171	1,083	1,019	1,353	1,383	0	0	3,603	3,573
Tennessee	2,685	2,717	2,520	2,069	1,708	2,232	0	0	6,913	7,018
West South Central	12,987	12,921	14,568	14,532	12,770	12,815	2	7	40,327	40,274
Arkansas	1,108	1,113	903	886	1,358	1,358	NM	0	3,370	3,357
Louisiana	1,919	1,936	1,907	1,862	2,525	2,534	1	1	6,352	6,332
Oklahoma	1,458	1,352	1,585	1,491	1,350	1,357	0	0	4,393	4,200
Texas	8,503	8,520	10,172	10,293	7,537	7,565	1	6	26,213	26,385
Mountain	6,208	6,174	7,247	7,195	6,635	6,488	10	8	20,100	19,864
Arizona	1,772	1,837	2,255	2,213	1,018	994	0	0	5,045	5,043
Colorado	1,381	1,345	1,578	1,571	1,251	1,245	5	4	4,215	4,165
Idaho	718	686	480	463	506	555	0	0	1,704	1,704
Montana	414	392	407	372	343	345	0	0	1,164	1,109
Nevada	582	558	678	685	1,146	1,124	1	1	2,406	2,368
New Mexico	465	458	698	705	608	605	0	0	1,772	1,768
Utah	642	664	830	843	862	758	4	3	2,337	2,268
Wyoming	235	234	320	344	902	861	0	0	1,457	1,439
Pacific Contiguous	10,426	10,802	12,705	13,296	7,011	7,066	59	57	30,201	31,221
California	5,927	6,402	9,053	9,680	3,765	3,886	56	55	18,802	20,024
Oregon	1,612	1,589	1,316	1,267	959	954	2	2	3,888	3,811
Washington	2,888	2,810	2,336	2,349	2,287	2,226	0	0	7,511	7,386
Pacific Noncontiguous	394	419	507	516	409	421	0	0	1,310	1,356
Alaska	181	199	235	248	110	119	0	0	526	566
Hawaii	213	220	272	268	299	302	0	0	784	790
U.S. Total	97,812	97,155	103,449	101,641	77,536	78,847	562	569	279,359	278,212

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 November 2013 and 2012 (Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	November 2013 YTD	November 2012 YTD								
New England	43,589	42,999	41,168	41,208	24,698	25,565	525	518	109,980	110,290
Connecticut	11,867	11,639	11,951	11,930	3,117	3,295	175	177	27,110	27,041
Maine	4,190	4,050	3,751	3,722	2,824	2,792	0	0	10,765	10,564
Massachusetts	18,628	18,532	16,112	16,273	14,811	15,537	325	318	49,877	50,661
New Hampshire	4,115	4,041	4,128	4,109	1,800	1,793	0	0	10,043	9,943
Rhode Island	2,880	2,849	3,369	3,343	852	853	24	22	7,126	7,067
Vermont	1,908	1,888	1,858	1,831	1,293	1,294	0	0	5,059	5,014
Middle Atlantic	121,271	121,018	144,570	144,678	63,038	63,865	3,656	3,577	332,535	333,139
New Jersey	26,177	26,535	35,091	35,298	6,811	7,188	296	267	68,375	69,288
New York	46,235	46,481	70,008	69,980	12,281	12,541	2,607	2,512	131,130	131,514
Pennsylvania	48,859	48,002	39,471	39,400	43,946	44,137	754	798	133,030	132,337
East North Central	169,159	171,829	167,903	168,609	177,941	186,604	579	560	515,583	527,601
Illinois	42,063	43,030	46,610	46,693	39,983	41,637	516	504	129,172	131,865
Indiana	29,695	30,052	22,337	22,195	42,250	44,321	19	19	94,301	96,587
Michigan	30,724	31,376	34,647	35,294	28,165	29,554	6	6	93,541	96,230
Ohio	46,826	47,363	42,990	43,077	46,056	49,476	39	30	135,911	139,947
Wisconsin	19,851	20,007	21,320	21,350	21,487	21,615	0	0	62,658	62,973
West North Central	94,561	93,458	92,322	91,407	80,286	83,947	37	35	267,206	268,847
Iowa	12,992	12,686	11,294	11,203	18,000	17,961	0	0	42,285	41,850
Kansas	12,307	12,690	14,236	14,247	9,763	10,164	0	0	36,306	37,102
Minnesota	20,304	19,999	20,701	20,626	20,360	21,520	17	16	61,382	62,160
Missouri	31,295	31,325	28,339	28,058	15,283	16,153	20	19	74,937	75,556
Nebraska	9,002	8,818	8,568	8,488	9,761	10,973	0	0	27,331	28,279
North Dakota	4,413	3,917	4,929	4,612	4,723	4,668	0	0	14,065	13,197
South Dakota	4,248	4,022	4,256	4,173	2,396	2,508	0	0	10,901	10,703
South Atlantic	312,160	309,204	279,830	279,988	128,556	128,491	1,212	1,188	721,758	718,872
Delaware	4,127	4,152	3,830	3,898	2,337	2,562	0	0	10,293	10,612
District of Columbia	1,850	1,825	7,811	8,053	208	201	301	299	10,169	10,378
Florida	104,347	104,397	84,311	84,998	15,449	15,101	84	77	204,192	204,573
Georgia	49,479	49,415	42,369	42,436	28,787	28,777	143	144	120,778	120,773
Maryland	24,646	24,301	27,608	27,740	3,591	4,155	495	485	56,339	56,681
North Carolina	50,466	49,748	43,261	42,910	24,885	24,796	7	7	118,618	117,460
South Carolina	26,349	25,969	19,594	19,671	26,606	25,988	0	0	72,549	71,628
Virginia	40,544	39,383	43,892	43,124	15,637	16,008	178	173	100,252	98,688
West Virginia	10,353	10,015	7,154	7,157	11,057	10,904	4	4	28,567	28,080
East South Central	106,240	105,112	83,306	76,098	100,565	113,230	2	2	290,113	294,441
Alabama	28,527	28,117	20,585	20,147	31,528	31,044	0	0	80,640	79,307
Kentucky	23,928	23,802	19,189	17,304	33,699	40,479	0	0	76,816	81,584
Mississippi	16,846	16,650	12,662	12,610	15,280	15,427	0	0	44,788	44,688
Tennessee	36,939	36,543	30,870	26,037	20,059	26,280	2	2	87,869	88,862
West South Central	193,429	193,276	175,941	175,261	143,579	145,831	72	75	513,021	514,443
Arkansas	16,455	16,570	10,990	11,238	15,357	15,554	NM	0	42,803	43,362
Louisiana	27,997	27,921	22,392	22,445	28,295	27,998	10	10	78,694	78,374
Oklahoma	20,811	20,956	18,056	18,420	14,996	15,195	0	0	53,863	54,571
Texas	128,166	127,830	124,503	123,158	84,931	87,084	61	65	337,661	338,137
Mountain	88,090	87,313	86,356	86,652	76,245	75,646	112	89	250,802	249,700
Arizona	30,800	30,715	27,754	27,451	11,554	11,395	0	0	70,108	69,561
Colorado	16,905	16,666	18,110	18,372	14,190	14,168	56	48	49,261	49,254
Idaho	7,604	7,305	5,538	5,458	8,773	9,020	0	0	21,915	21,783
Montana	4,380	4,287	4,458	4,488	3,836	3,819	0	0	12,675	12,594
Nevada	11,214	11,307	8,590	8,586	12,582	12,668	8	8	32,394	32,568
New Mexico	6,202	6,196	8,286	8,445	6,763	6,641	0	0	21,251	21,282
Utah	8,465	8,389	9,944	9,941	9,194	8,818	49	34	27,652	27,183
Wyoming	2,518	2,447	3,677	3,911	9,352	9,117	0	0	15,547	15,475
Pacific Contiguous	129,978	131,687	152,657	153,499	79,062	79,567	666	658	362,364	365,411
California	81,221	82,969	111,249	112,381	42,662	43,226	641	629	235,773	239,204
Oregon	16,944	16,839	14,595	14,455	11,010	11,068	20	23	42,569	42,385
Washington	31,813	31,879	26,813	26,663	25,391	25,273	5	7	84,022	83,822
Pacific Noncontiguous	4,257	4,431	5,544	5,580	4,551	4,607	0	0	14,352	14,617
Alaska	1,874	1,924	2,565	2,614	1,222	1,252	0	0	5,661	5,790
Hawaii	2,383	2,507	2,979	2,966	3,329	3,355	0	0	8,691	8,827
U.S. Total	1,262,733	1,260,327	1,229,599	1,222,979	878,521	907,354	6,860	6,701	3,377,713	3,397,362

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.A. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, November 2013 and 2012 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	582	546	486	463	247	261	6	3	1,320	1,272
Connecticut	168	166	143	144	32	36	2	1	345	347
Maine	54	52	38	36	21	21	0	0	112	110
Massachusetts	239	210	196	182	155	167	4	2	594	561
New Hampshire	54	53	46	46	18	18	0	0	117	118
Rhode Island	37	30	39	32	9	8	0	0	85	71
Vermont	30	33	24	22	12	11	0	0	66	66
Middle Atlantic	1,459	1,443	1,472	1,473	377	408	36	38	3,344	3,362
New Jersey	305	310	366	346	62	60	3	2	735	719
New York	640	639	800	810	50	73	29	31	1,519	1,553
Pennsylvania	514	493	306	316	265	275	4	5	1,089	1,089
East North Central	1,726	1,676	1,336	1,306	1,002	1,030	2	3	4,067	4,014
Illinois	358	368	302	304	195	199	2	3	857	874
Indiana	268	257	179	164	247	241	0	0	694	663
Michigan	380	362	321	313	191	193	0	0	892	868
Ohio	478	466	341	337	230	265	0	0	1,049	1,068
Wisconsin	242	223	193	187	139	132	0	0	574	542
West North Central	810	741	684	618	458	435	0	0	1,952	1,794
Iowa	119	104	82	71	92	78	0	0	293	253
Kansas	102	95	110	104	62	62	0	0	273	261
Minnesota	203	190	169	156	125	119	0	0	497	465
Missouri	238	218	188	167	73	75	0	0	499	460
Nebraska	70	64	62	56	59	57	0	0	190	177
North Dakota	41	35	41	35	33	28	0	0	115	99
South Dakota	38	34	31	29	15	14	0	0	84	77
South Atlantic	2,805	2,718	2,251	2,174	741	716	9	9	5,806	5,617
Delaware	43	48	34	35	15	20	0	0	93	104
District of Columbia	17	17	78	81	1	1	2	3	98	101
Florida	937	885	700	695	105	107	1	1	1,743	1,687
Georgia	402	380	348	331	150	139	1	1	901	851
Maryland	273	259	243	223	25	22	4	4	545	508
North Carolina	427	432	318	302	139	132	0	0	884	866
South Carolina	235	235	162	159	146	136	0	0	544	530
Virginia	380	365	316	293	96	95	1	1	793	754
West Virginia	92	97	52	55	63	65	0	0	207	216
East South Central	825	829	660	605	465	572	0	0	1,951	2,006
Alabama	240	240	176	171	154	156	0	0	569	566
Kentucky	185	184	127	122	136	188	0	0	448	493
Mississippi	132	125	112	96	83	80	0	0	327	301
Tennessee	269	281	245	216	93	148	0	0	607	645
West South Central	1,415	1,344	1,153	1,138	724	676	0	1	3,292	3,159
Arkansas	107	105	70	69	76	77	NM	0	253	251
Louisiana	176	162	167	147	145	120	0	0	488	430
Oklahoma	140	129	112	103	68	64	0	0	319	296
Texas	993	947	804	820	435	415	0	1	2,232	2,182
Mountain	684	655	669	631	396	367	1	1	1,751	1,654
Arizona	196	197	209	198	62	61	0	0	468	456
Colorado	161	153	157	150	94	87	1	0	412	390
Idaho	69	59	36	32	27	26	0	0	132	117
Montana	43	39	39	35	18	18	0	0	100	92
Nevada	76	69	66	60	55	50	0	0	197	179
New Mexico	52	49	66	63	37	34	0	0	155	146
Utah	65	64	67	65	46	40	0	0	179	170
Wyoming	24	23	28	29	58	52	0	0	110	104
Pacific Contiguous	1,408	1,351	1,626	1,517	592	548	4	4	3,630	3,419
California	995	953	1,328	1,225	429	398	4	4	2,757	2,580
Oregon	161	156	112	107	60	55	0	0	334	319
Washington	251	242	186	185	103	94	0	0	540	521
Pacific Noncontiguous	113	115	133	128	109	109	0	0	354	352
Alaska	33	34	39	36	18	18	0	0	89	88
Hawaii	79	81	94	91	91	92	0	0	265	264
U.S. Total	11,827	11,418	10,470	10,052	5,111	5,122	58	59	27,466	26,651

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 November 2013 and 2012 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	November 2013 YTD	November 2012 YTD								
New England	6,967	6,752	5,743	5,621	2,998	3,027	46	34	15,754	15,435
Connecticut	2,086	2,022	1,748	1,750	395	418	18	17	4,248	4,207
Maine	602	594	435	428	232	221	0	0	1,269	1,242
Massachusetts	2,847	2,759	2,305	2,237	1,935	1,957	NM	15	7,112	6,968
New Hampshire	674	650	555	549	204	212	0	0	1,434	1,411
Rhode Island	431	407	428	395	99	91	3	2	962	894
Vermont	328	321	272	263	131	129	0	0	730	712
Middle Atlantic	19,124	18,515	18,881	18,820	4,582	4,794	448	447	43,035	42,576
New Jersey	4,126	4,194	4,507	4,534	729	757	31	26	9,393	9,511
New York	8,735	8,194	10,717	10,571	777	846	358	357	20,586	19,968
Pennsylvania	6,264	6,126	3,657	3,715	3,076	3,192	59	64	13,056	13,096
East North Central	20,429	20,763	16,023	15,972	11,725	12,140	33	36	48,210	48,911
Illinois	4,350	4,924	3,687	3,744	2,301	2,423	28	31	10,366	11,123
Indiana	3,235	3,165	2,120	2,027	2,786	2,809	2	2	8,142	8,002
Michigan	4,496	4,437	3,847	3,861	2,197	2,240	1	1	10,541	10,538
Ohio	5,612	5,587	4,044	4,085	2,812	3,072	3	2	12,471	12,746
Wisconsin	2,736	2,651	2,325	2,255	1,629	1,596	0	0	6,690	6,501
West North Central	10,457	9,968	8,317	7,792	5,322	5,290	3	3	24,099	23,053
Iowa	1,460	1,381	961	901	1,027	954	0	0	3,448	3,236
Kansas	1,431	1,431	1,362	1,319	692	721	0	0	3,486	3,471
Minnesota	2,437	2,279	1,983	1,828	1,439	1,409	2	1	5,860	5,517
Missouri	3,344	3,220	2,499	2,320	948	959	2	1	6,793	6,500
Nebraska	940	894	742	714	709	776	0	0	2,391	2,384
North Dakota	405	357	410	371	340	306	0	0	1,155	1,035
South Dakota	439	407	360	339	166	165	0	0	966	911
South Atlantic	35,583	35,279	26,265	26,257	8,336	8,430	105	100	70,290	70,067
Delaware	538	566	392	394	198	213	0	0	1,129	1,173
District of Columbia	233	225	932	969	12	11	29	27	1,205	1,232
Florida	11,848	11,927	7,996	8,213	1,188	1,214	7	6	21,040	21,361
Georgia	5,613	5,560	4,172	4,073	1,763	1,726	12	11	11,560	11,370
Maryland	3,259	3,124	2,952	2,896	300	336	42	40	6,552	6,396
North Carolina	5,527	5,450	3,773	3,722	1,578	1,595	1	1	10,878	10,768
South Carolina	3,122	3,053	1,923	1,892	1,567	1,567	0	0	6,612	6,512
Virginia	4,453	4,386	3,538	3,494	1,041	1,076	15	15	9,047	8,972
West Virginia	991	989	587	604	688	691	0	0	2,266	2,284
East South Central	11,110	10,847	8,185	7,499	6,003	6,933	0	0	25,299	25,280
Alabama	3,237	3,216	2,177	2,143	1,898	1,937	0	0	7,312	7,296
Kentucky	2,330	2,244	1,626	1,509	1,821	2,172	0	0	5,776	5,925
Mississippi	1,826	1,709	1,289	1,174	987	964	0	0	4,101	3,847
Tennessee	3,717	3,679	3,094	2,673	1,298	1,859	0	0	8,109	8,212
West South Central	20,838	19,921	14,283	14,018	8,423	7,852	7	8	43,551	41,798
Arkansas	1,574	1,543	878	867	906	898	NM	0	3,358	3,308
Louisiana	2,645	2,336	2,005	1,733	1,675	1,325	1	1	6,326	5,395
Oklahoma	2,037	2,007	1,399	1,355	802	775	0	0	4,239	4,137
Texas	14,582	14,035	10,000	10,064	5,040	4,854	6	7	29,628	28,959
Mountain	10,017	9,593	8,119	7,814	4,954	4,701	12	9	23,101	22,118
Arizona	3,633	3,489	2,753	2,628	778	751	0	0	7,164	6,868
Colorado	2,013	1,916	1,792	1,729	1,030	987	6	5	4,840	4,637
Idaho	713	634	410	375	539	498	0	0	1,661	1,508
Montana	457	433	425	409	206	195	0	0	1,087	1,037
Nevada	1,330	1,337	772	757	828	834	1	1	2,931	2,929
New Mexico	730	709	812	787	429	388	0	0	1,971	1,884
Utah	885	835	838	806	545	499	5	3	2,274	2,143
Wyoming	256	241	317	323	599	549	0	0	1,172	1,112
Pacific Contiguous	17,752	17,086	19,686	18,464	6,533	6,236	51	48	44,022	41,833
California	13,309	12,716	16,383	15,215	4,816	4,570	49	45	34,556	32,546
Oregon	1,683	1,652	1,227	1,204	647	620	2	2	3,559	3,478
Washington	2,760	2,718	2,076	2,044	1,070	1,046	0	1	5,907	5,809
Pacific Noncontiguous	1,223	1,284	1,415	1,428	1,186	1,249	0	0	3,824	3,961
Alaska	341	346	399	391	192	211	0	0	932	948
Hawaii	882	938	1,016	1,038	994	1,037	0	0	2,892	3,013
U.S. Total	153,501	150,009	126,917	123,687	60,063	60,652	706	684	341,186	335,032

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

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

Notes: - See Glossary for definitions. - Values 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.A. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, November 2013 and 2012 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	16.54	15.36	14.02	13.45	11.64	11.59	12.97	6.86	14.44	13.70
Connecticut	18.21	17.82	14.74	14.86	12.90	12.63	11.17	8.98	15.98	15.78
Maine	14.39	14.83	11.70	11.57	7.88	8.46	--	--	11.70	11.97
Massachusetts	16.05	13.77	14.23	13.32	12.36	12.15	13.77	5.29	14.31	13.05
New Hampshire	16.43	15.90	13.45	13.40	11.21	12.09	--	--	14.21	14.17
Rhode Island	15.97	13.07	13.48	11.23	11.80	10.46	13.67	12.76	14.25	11.86
Vermont	17.54	19.26	14.82	13.75	10.26	9.35	--	--	14.65	14.78
Middle Atlantic	15.50	15.00	12.09	12.47	6.73	7.38	11.92	13.15	12.16	12.34
New Jersey	15.33	15.24	12.29	12.31	10.13	10.54	11.56	10.73	13.13	13.22
New York	18.48	17.44	13.65	14.25	4.55	6.18	13.10	14.68	14.27	14.46
Pennsylvania	12.97	12.60	9.17	9.55	6.81	7.28	7.39	8.64	9.69	9.85
East North Central	12.04	11.99	9.43	9.42	6.47	6.48	5.37	6.03	9.23	9.17
Illinois	10.21	11.35	7.73	7.88	5.60	5.62	4.93	5.80	7.83	8.17
Indiana	11.04	10.45	9.60	9.05	6.65	6.27	11.38	9.65	8.67	8.16
Michigan	14.59	13.98	10.89	10.85	7.33	7.48	9.89	8.89	10.94	10.78
Ohio	11.88	11.67	9.35	9.59	6.05	6.47	6.84	7.33	9.14	9.20
Wisconsin	13.61	13.16	10.72	10.46	7.36	7.24	--	--	10.50	10.21
West North Central	10.53	10.01	8.46	8.07	6.22	5.90	8.40	7.19	8.43	7.99
Iowa	10.88	10.34	8.05	7.51	5.34	4.85	--	--	7.64	7.10
Kansas	11.40	10.96	9.21	9.01	6.80	6.90	--	--	9.14	8.94
Minnesota	11.64	11.03	9.21	8.66	6.93	6.35	10.19	8.67	9.24	8.62
Missouri	9.80	9.20	7.84	7.40	5.43	5.32	6.80	5.97	8.09	7.61
Nebraska	9.93	9.43	8.29	7.98	6.49	6.25	--	--	8.08	7.72
North Dakota	8.85	8.61	8.08	8.00	7.13	6.54	--	--	8.02	7.71
South Dakota	10.06	10.01	8.37	7.95	6.77	6.53	--	--	8.67	8.39
South Atlantic	11.30	11.20	9.46	9.35	6.33	6.46	8.75	8.64	9.61	9.57
Delaware	13.41	13.63	10.36	10.48	8.37	8.38	--	--	11.09	11.13
District of Columbia	12.88	12.21	12.16	11.63	4.63	6.64	9.68	9.39	12.04	11.55
Florida	11.51	11.82	9.67	10.10	7.63	8.08	8.96	8.90	10.40	10.75
Georgia	10.48	10.28	9.87	9.47	5.77	5.73	7.41	6.68	9.04	8.83
Maryland	13.15	12.40	10.76	9.79	8.05	8.52	8.57	8.67	11.62	10.88
North Carolina	10.93	10.53	8.60	8.36	6.05	6.07	8.28	8.02	8.92	8.76
South Carolina	11.85	11.67	10.02	9.95	5.95	6.08	--	--	8.97	9.07
Virginia	10.99	10.71	8.20	7.89	6.74	6.67	8.66	8.55	9.07	8.81
West Virginia	9.36	9.85	8.21	8.59	6.09	6.48	8.37	9.11	7.81	8.26
East South Central	10.31	10.35	9.81	9.95	5.52	5.75	11.73	11.36	8.42	8.35
Alabama	10.75	11.04	10.49	10.62	5.38	5.81	--	--	8.42	8.76
Kentucky	9.60	9.41	8.77	8.79	5.42	5.14	--	--	7.61	7.06
Mississippi	11.32	10.65	10.34	9.45	6.11	5.82	--	--	9.07	8.44
Tennessee	10.01	10.33	9.74	10.45	5.42	6.64	11.73	11.36	8.78	9.19
West South Central	10.90	10.40	7.91	7.83	5.67	5.28	8.08	10.36	8.16	7.84
Arkansas	9.67	9.46	7.78	7.73	5.58	5.68	NM	11.15	7.52	7.48
Louisiana	9.15	8.39	8.76	7.92	5.74	4.74	8.50	9.18	7.68	6.79
Oklahoma	9.61	9.57	7.04	6.88	5.02	4.70	--	--	7.27	7.04
Texas	11.68	11.11	7.90	7.96	5.77	5.49	7.66	10.51	8.51	8.27
Mountain	11.02	10.61	9.23	8.77	5.98	5.66	10.67	9.69	8.71	8.33
Arizona	11.06	10.73	9.29	8.94	6.11	6.15	--	--	9.27	9.04
Colorado	11.65	11.38	9.96	9.53	7.49	7.00	10.48	9.99	9.78	9.37
Idaho	9.54	8.67	7.54	6.84	5.33	4.69	--	--	7.73	6.87
Montana	10.27	10.04	9.61	9.31	5.27	5.23	--	--	8.57	8.30
Nevada	13.07	12.45	9.71	8.78	4.78	4.42	8.21	7.65	8.17	7.57
New Mexico	11.09	10.69	9.48	8.93	6.06	5.59	--	--	8.73	8.24
Utah	10.10	9.70	8.10	7.72	5.36	5.24	11.27	9.66	7.64	7.47
Wyoming	10.24	10.01	8.76	8.50	6.41	6.00	--	--	7.54	7.25
Pacific Contiguous	13.50	12.51	12.80	11.41	8.45	7.75	7.37	6.85	12.02	10.95
California	16.80	14.88	14.67	12.66	11.40	10.24	7.31	6.78	14.66	12.88
Oregon	10.00	9.82	8.52	8.47	6.28	5.81	9.05	8.23	8.58	8.37
Washington	8.70	8.61	7.95	7.87	4.49	4.24	8.52	9.54	7.18	7.06
Pacific Noncontiguous	28.57	27.44	26.22	24.80	26.59	25.98	--	--	27.04	25.98
Alaska	18.33	17.10	16.49	14.70	15.98	15.03	--	--	17.02	15.62
Hawaii	37.24	36.81	34.61	34.15	30.52	30.27	--	--	33.77	33.41
U.S. Total	12.09	11.75	10.12	9.89	6.59	6.50	10.40	10.41	9.83	9.58

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 November 2013 and 2012 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	November 2013 YTD	November 2012 YTD								
New England	15.98	15.70	13.95	13.64	12.14	11.84	8.77	6.65	14.32	13.99
Connecticut	17.58	17.37	14.63	14.67	12.68	12.68	10.12	9.72	15.67	15.56
Maine	14.36	14.65	11.59	11.50	8.23	7.91	--	--	11.79	11.76
Massachusetts	15.28	14.89	14.31	13.75	13.07	12.60	NM	4.85	14.26	13.76
New Hampshire	16.38	16.09	13.45	13.35	11.36	11.81	--	--	14.27	14.19
Rhode Island	14.96	14.28	12.72	11.80	11.64	10.63	13.16	7.89	13.50	12.65
Vermont	17.16	16.98	14.62	14.36	10.15	9.95	--	--	14.44	14.21
Middle Atlantic	15.77	15.30	13.06	13.01	7.27	7.51	12.24	12.49	12.94	12.78
New Jersey	15.76	15.81	12.84	12.85	10.71	10.53	10.35	9.75	13.74	13.73
New York	18.89	17.63	15.31	15.11	6.32	6.75	13.73	14.21	15.70	15.18
Pennsylvania	12.82	12.76	9.26	9.43	7.00	7.23	7.81	7.98	9.81	9.90
East North Central	12.08	12.08	9.54	9.47	6.59	6.51	5.76	6.36	9.35	9.27
Illinois	10.34	11.44	7.91	8.02	5.75	5.82	5.50	6.19	8.03	8.43
Indiana	10.89	10.53	9.49	9.13	6.59	6.34	9.96	9.52	8.63	8.28
Michigan	14.63	14.14	11.10	10.94	7.80	7.58	9.50	8.03	11.27	10.95
Ohio	11.99	11.80	9.41	9.48	6.11	6.21	6.60	6.99	9.18	9.11
Wisconsin	13.78	13.25	10.90	10.56	7.58	7.38	--	--	10.68	10.32
West North Central	11.06	10.67	9.01	8.52	6.63	6.30	8.89	7.84	9.02	8.57
Iowa	11.24	10.89	8.51	8.04	5.71	5.31	--	--	8.15	7.73
Kansas	11.63	11.27	9.57	9.26	7.09	7.09	--	--	9.60	9.35
Minnesota	12.00	11.40	9.58	8.86	7.07	6.55	9.87	8.69	9.55	8.88
Missouri	10.69	10.28	8.82	8.27	6.20	5.94	8.05	7.15	9.07	8.60
Nebraska	10.44	10.13	8.66	8.41	7.27	7.07	--	--	8.75	8.43
North Dakota	9.18	9.12	8.32	8.05	7.20	6.55	--	--	8.21	7.84
South Dakota	10.33	10.12	8.47	8.13	6.95	6.58	--	--	8.86	8.51
South Atlantic	11.40	11.41	9.39	9.38	6.48	6.56	8.65	8.43	9.74	9.75
Delaware	13.04	13.63	10.24	10.10	8.49	8.32	--	--	10.96	11.05
District of Columbia	12.57	12.31	11.93	12.03	5.98	5.47	9.55	8.97	11.85	11.87
Florida	11.35	11.42	9.48	9.66	7.69	8.04	8.66	8.45	10.30	10.44
Georgia	11.34	11.25	9.85	9.60	6.12	6.00	8.08	7.72	9.57	9.41
Maryland	13.22	12.85	10.69	10.44	8.35	8.10	8.46	8.27	11.63	11.28
North Carolina	10.95	10.96	8.72	8.67	6.34	6.43	7.92	7.90	9.17	9.17
South Carolina	11.85	11.76	9.81	9.62	5.89	6.03	--	--	9.11	9.09
Virginia	10.98	11.14	8.06	8.10	6.66	6.72	8.16	8.54	9.02	9.09
West Virginia	9.57	9.88	8.20	8.43	6.22	6.33	8.55	8.66	7.93	8.13
East South Central	10.46	10.32	9.83	9.85	5.97	6.12	11.61	11.32	8.72	8.59
Alabama	11.35	11.44	10.57	10.64	6.02	6.24	--	--	9.07	9.20
Kentucky	9.74	9.43	8.47	8.72	5.40	5.37	--	--	7.52	7.26
Mississippi	10.84	10.26	10.18	9.31	6.46	6.25	--	--	9.16	8.61
Tennessee	10.06	10.07	10.02	10.27	6.47	7.08	11.61	11.32	9.23	9.24
West South Central	10.77	10.31	8.12	8.00	5.87	5.38	10.08	10.30	8.49	8.12
Arkansas	9.57	9.31	7.99	7.71	5.90	5.77	NM	11.25	7.85	7.63
Louisiana	9.45	8.37	8.96	7.72	5.92	4.73	9.54	8.69	8.04	6.88
Oklahoma	9.79	9.58	7.75	7.36	5.35	5.10	--	--	7.87	7.58
Texas	11.38	10.98	8.03	8.17	5.93	5.57	10.16	10.54	8.77	8.56
Mountain	11.37	10.99	9.40	9.02	6.50	6.21	10.51	9.59	9.21	8.86
Arizona	11.80	11.36	9.92	9.57	6.73	6.59	--	--	10.22	9.87
Colorado	11.91	11.50	9.89	9.41	7.26	6.97	10.56	9.63	9.83	9.41
Idaho	9.37	8.68	7.40	6.88	6.15	5.52	--	--	7.58	6.92
Montana	10.43	10.11	9.53	9.12	5.36	5.10	--	--	8.58	8.24
Nevada	11.86	11.83	8.99	8.82	6.58	6.58	8.50	8.46	9.05	8.99
New Mexico	11.77	11.44	9.80	9.32	6.34	5.85	--	--	9.27	8.85
Utah	10.46	9.95	8.43	8.10	5.93	5.66	10.76	9.79	8.22	7.88
Wyoming	10.18	9.84	8.62	8.25	6.40	6.02	--	--	7.54	7.19
Pacific Contiguous	13.66	12.97	12.90	12.03	8.26	7.84	7.73	7.25	12.15	11.45
California	16.39	15.33	14.73	13.54	11.29	10.57	7.68	7.21	14.66	13.61
Oregon	9.93	9.81	8.41	8.33	5.88	5.60	8.91	8.27	8.36	8.21
Washington	8.68	8.53	7.74	7.67	4.22	4.14	8.28	8.05	7.03	6.93
Pacific Noncontiguous	28.74	28.99	25.52	25.60	26.06	27.10	--	--	26.64	27.10
Alaska	18.20	17.98	15.55	14.95	15.69	16.87	--	--	16.46	16.37
Hawaii	37.02	37.44	34.10	34.98	29.87	30.93	--	--	33.28	34.14
U.S. Total	12.16	11.90	10.32	10.11	6.84	6.68	10.29	10.20	10.10	9.86

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, October 2013 to November 2013

Technology	As of End of October 2013	Activity During November 2013 as Reported to EIA		As of End of November 2013	Net Change in Capacity - Current Month and Prior Periods			Changes in and Total Net Summer Capacity - Outlook Based on Reports to EIA									
		Total In-Service Capacity	Actual Capacity Additions		Actual Capacity Reductions	Total In-Service Capacity	Current Month	Year to Date	Past 12 Months	Planned Capacity Additions		Planned Capacity Reductions		Planned Net Change		Capacity	
										Next Month	Next 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	At End of Next Month	At End of Next 12 Months
..... Wind (Summer Capacity)	59,477.0	175.1	0.0	59,652.1	175.1	577.3	5,664.2	613.2	2,091.8	0.0	0.0	613.2	2,091.8	60,285.3	61,743.9		
..... Solar Photovoltaic	3,961.1	560.9	0.0	4,522.0	560.9	1,827.9	2,447.9	483.9	1,879.7	0.0	0.0	483.9	1,879.7	5,005.9	6,401.7		
..... Solar Thermal without Energy Storage	476.0	125.0	0.0	601.0	125.0	125.0	125.0	391.0	766.0	0.0	0.0	391.0	766.0	992.0	1,367.0		
..... Solar Thermal with Energy Storage	250.0	0.0	0.0	250.0	0.0	250.0	250.0	110.0	110.0	0.0	0.0	110.0	110.0	360.0	360.0		
..... Solar Subtotal	4,687.1	685.9	0.0	5,373.0	685.9	2,202.9	2,822.9	984.9	2,755.7	0.0	0.0	984.9	2,755.7	6,357.9	8,128.7		
..... Conventional Hydroelectric	78,876.6	133.0	0.0	79,009.6	133.0	271.6	296.6	9.6	363.0	24.0	24.0	-14.4	339.0	78,995.2	79,348.6		
..... Wood/Wood Waste Biomass	7,749.6	242.8	0.0	7,992.4	242.8	484.8	509.4	171.3	238.3	0.0	0.0	171.3	238.3	8,163.7	8,230.7		
..... Landfill Gas	1,956.8	1.9	0.0	1,958.7	1.9	64.1	68.8	10.2	67.0	0.0	1.6	10.2	65.4	1,968.9	2,024.1		
..... Municipal Solid Waste	2,230.7	0.0	0.0	2,230.7	0.0	28.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	2,230.7	2,230.7		
..... Other Waste Biomass	722.2	11.2	0.0	733.4	11.2	20.1	24.9	24.5	26.7	0.0	0.0	24.5	26.7	757.9	760.1		
..... Biomass Sources Subtotal	12,659.3	255.9	0.0	12,915.2	255.9	597.0	613.1	206.0	332.0	0.0	1.6	206.0	330.4	13,121.2	13,245.6		
..... Geothermal	2,517.2	31.0	0.0	2,648.2	31.0	56.1	62.0	49.2	49.2	0.0	0.0	49.2	49.2	2,697.4	2,697.4		
... Renewable Sources Subtotal	158,317.2	1,280.9	0.0	159,598.1	1,280.9	3,704.9	4,458.8	1,862.9	5,591.7	24.0	25.6	1,838.9	5,566.1	161,437.0	165,164.2		
..... Natural Gas Fired Combined Cycle	224,256.7	622.0	0.0	224,878.7	622.0	4,196.6	5,799.4	0.0	4,534.2	0.0	26.0	0.0	4,508.2	224,878.7	229,386.9		
..... Natural Gas Fired Combustion Turbine	124,369.9	68.7	0.0	124,438.6	68.7	3,382.8	3,979.1	8.8	200.5	3.7	118.7	5.1	81.8	124,443.7	124,520.4		
..... Natural Gas with Compressed Air Storage	110.0	0.0	0.0	110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110.0	110.0		
..... Other Natural Gas	78,018.7	6.4	544.0	77,481.1	-537.6	-3,035.4	-3,286.0	19.9	1,007.4	48.0	48.0	-28.1	959.4	77,453.0	78,440.5		
..... Natural Gas Subtotal	426,755.3	697.1	544.0	426,908.4	153.1	4,544.0	6,492.5	28.7	5,742.1	51.7	192.7	-23.0	5,549.4	426,885.4	432,457.8		
..... Conventional Steam Coal	306,336.4	10.0	617.0	305,729.4	-607.0	-3,731.0	-3,625.0	20.8	82.8	57.0	1,691.5	-36.2	-1,608.7	305,693.2	304,120.7		
..... Coal Integrated Gasification Combined Cycle	790.6	0.0	0.0	790.6	0.0	570.6	570.6	0.0	521.7	0.0	0.0	0.0	521.7	790.6	1,312.3		
..... Coal Subtotal	307,127.0	10.0	617.0	306,520.0	-607.0	-3,160.4	-3,054.4	20.8	604.5	57.0	1,691.5	-36.2	-1,087.0	306,483.8	305,433.0		
..... Petroleum Coke	2,709.3	0.0	0.0	2,709.3	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	2,709.3	2,709.3		
..... Petroleum Liquids	43,471.6	9.2	0.0	43,480.8	9.2	-977.1	-1,157.4	3.0	3.8	52.8	591.9	-49.8	-588.1	43,431.0	42,892.7		
..... Other Gases	1,941.6	0.0	0.0	1,941.6	0.0	-4.0	-4.0	0.0	0.0	0.0	43.2	0.0	-43.2	1,941.6	1,898.4		
... Fossil Fuels Subtotal	782,004.8	716.3	1,161.0	781,560.1	-444.7	402.5	2,304.7	52.5	6,350.4	161.5	2,519.3	-109.0	3,831.1	781,451.1	785,391.2		
..... Hydroelectric Pumped Storage	22,368.3	0.0	0.0	22,368.3	0.0	0.0	0.0	0.0	292.0	0.0	0.0	0.0	292.0	22,368.3	22,660.3		
..... Flywheels	43.0	0.0	0.0	43.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	43.0		
..... Batteries	141.8	1.0	0.0	142.8	1.0	1.0	48.0	0.0	4.0	0.0	0.0	0.0	4.0	142.8	146.8		
... Energy Storage Subtotal	22,553.1	1.0	0.0	22,554.1	1.0	21.0	68.0	0.0	296.0	0.0	0.0	0.0	296.0	22,554.1	22,850.1		
... Nuclear	98,997.0	0.0	0.0	98,997.0	0.0	-2,888.0	-2,888.0	108.0	108.0	0.0	0.0	108.0	108.0	99,105.0	99,105.0		
... All Other	1,564.1	0.0	0.0	1,564.1	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	21.0	1,564.1	1,585.1		
TOTAL	1,063,436.2	1,998.2	1,161.0	1,064,273.4	837.2	1,240.4	8,943.5	2,023.4	12,367.1	185.5	2,544.9	1,837.9	9,822.2	1,066,111.3	1,074,095.6		

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, November 2013 and 2012 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	4,256.2	4,076.7	24,387.4	24,800.1	1,753.4	1,753.4	3.0	3.0	4,630.3	4,630.3	48.0	48.0	35,078.3	35,311.5
Connecticut	294.7	294.7	6,381.8	6,788.7	29.4	29.4	0.0	0.0	2,102.5	2,102.5	26.0	26.0	8,834.4	9,241.3
Maine	1,696.6	1,722.5	2,764.9	2,764.9	0.0	0.0	0.0	0.0	0.0	0.0	22.0	22.0	4,483.5	4,509.4
Massachusetts	774.4	724.5	11,149.4	11,155.2	1,724.0	1,724.0	3.0	3.0	677.3	677.3	0.0	0.0	14,328.1	14,284.0
New Hampshire	930.0	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	4,414.9	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	516.7	99.8	99.8	0.0	0.0	0.0	0.0	604.3	604.3	0.0	0.0	1,234.8	1,220.8
Middle Atlantic	9,822.8	9,296.7	69,235.8	71,961.0	3,321.0	3,321.0	48.0	28.0	19,055.4	19,055.4	11.2	11.2	101,494.2	103,673.3
New Jersey	485.7	462.5	13,927.4	13,933.9	400.0	400.0	0.0	0.0	4,114.5	4,114.5	11.2	11.2	18,938.8	18,922.1
New York	6,448.0	6,435.9	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	39,053.5	39,519.4
Pennsylvania	2,889.1	2,398.3	29,394.2	31,634.9	1,521.0	1,521.0	20.0	0.0	9,677.6	9,677.6	0.0	0.0	43,501.9	45,231.8
East North Central	8,967.0	8,047.0	123,676.0	123,260.8	1,871.0	1,871.0	0.0	0.0	18,809.2	19,359.2	114.1	114.1	153,437.3	152,652.1
Illinois	3,717.7	3,516.0	29,854.0	29,886.2	0.0	0.0	0.0	0.0	11,541.0	11,541.0	5.0	5.0	45,117.7	44,948.2
Indiana	1,673.9	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	27,380.6	26,635.8
Michigan	1,674.6	1,259.1	23,059.6	22,953.5	1,871.0	1,871.0	0.0	0.0	3,936.2	3,936.2	0.0	0.0	30,541.4	30,019.8
Ohio	759.4	738.0	29,922.8	30,147.3	0.0	0.0	0.0	0.0	2,150.0	2,134.0	0.0	0.0	32,832.2	33,019.3
Wisconsin	1,141.4	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	17,565.4	18,029.0
West North Central	17,809.7	17,071.7	62,199.7	62,235.6	657.0	657.0	1.0	0.0	5,805.0	5,805.0	23.7	23.7	86,496.1	85,793.0
Iowa	5,167.4	5,063.9	10,186.5	10,249.8	0.0	0.0	0.0	0.0	601.4	601.4	0.0	0.0	15,955.3	15,915.1
Kansas	2,733.2	2,728.6	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	14,165.5
Minnesota	3,391.4	3,123.9	10,444.8	10,444.8	0.0	0.0	1.0	0.0	1,594.0	1,594.0	18.4	18.4	15,449.6	15,181.1
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	816.4	661.7	6,286.9	6,286.9	0.0	0.0	0.0	0.0	1,244.6	1,244.6	0.0	0.0	8,347.9	8,193.2
North Dakota	2,274.7	2,067.0	4,288.1	4,221.9	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	6,568.1	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	11,980.2	11,472.9	162,315.0	160,489.9	7,905.2	7,905.2	32.0	32.0	24,603.0	25,020.0	406.0	406.0	207,241.4	205,326.0
Delaware	38.3	22.5	3,337.0	3,316.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,375.3	3,338.9
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	1,166.4	1,166.4	53,831.8	53,455.8	0.0	0.0	0.0	0.0	3,700.0	4,175.0	352.0	352.0	59,050.2	59,139.2
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	879.9	9,618.9	9,618.4	0.0	0.0	0.0	0.0	1,716.0	1,716.0	0.0	0.0	12,256.8	12,214.3
North Carolina	2,660.9	2,583.9	22,107.2	19,549.9	86.0	86.0	0.0	0.0	5,056.0	4,998.0	54.0	54.0	29,964.1	27,271.8
South Carolina	1,728.3	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	23,087.0	23,655.8
Virginia	1,818.3	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	24,927.9	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	16,358.9
East South Central	7,941.6	7,936.7	70,955.3	71,775.9	1,616.3	1,616.3	0.0	0.0	9,863.1	9,634.1	1.4	1.4	90,377.7	90,964.4
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	14,226.1	0.0	0.0	0.0	0.0	1,419.0	1,190.0	1.4	1.4	15,707.6	15,654.2
Tennessee	2,855.3	2,854.4	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	21,674.0
West South Central	19,693.2	17,832.7	145,987.3	144,972.2	288.0	288.0	37.0	1.0	8,922.0	8,922.0	435.9	435.9	175,363.4	172,451.8
Arkansas	1,666.5	1,666.5	11,858.8	12,223.8	28.0	28.0	0.0	0.0	1,828.0	1,828.0	0.0	0.0	15,381.3	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	12,264.5	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	108,381.7
Mountain	19,662.9	18,258.6	65,132.7	64,689.6	778.8	778.8	1.8	1.8	3,937.0	3,937.0	111.4	111.4	89,624.6	87,777.2
Arizona	4,068.6	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	28,347.8	27,348.5
Colorado	3,093.4	2,987.9	11,324.9	11,319.9	562.5	562.5	0.0	0.0	0.0	0.0	9.3	9.3	14,990.1	14,879.6
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	1,044.6	1,022.8	7,455.9	7,344.0	0.0	0.0	1.8	1.8	0.0	0.0	0.0	0.0	8,502.3	8,368.6
Utah	641.1	638.1	6,965.3	6,960.7	0.0	0.0	0.0	0.0	0.0	0.0	31.8	31.8	7,638.2	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	58,447.9	55,219.0	53,657.0	51,267.1	4,177.6	4,177.6	0.0	0.0	3,372.0	5,522.0	385.8	385.8	120,040.3	116,571.5
California	22,140.1	19,104.2	44,910.1	42,531.2	3,863.6	3,863.6	0.0	0.0	2,240.0	4,390.0	375.8	375.8	73,529.6	70,264.8
Oregon	11,950.0	11,938.3	3,597.2	3,586.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,547.2	15,524.5
Washington	24,357.8	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	30,963.5	30,782.2
Pacific Noncontiguous	1,016.6	927.3	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	4,809.1
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	473.4	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	2,690.2
U.S. Total	159,598.1	150,139.3	781,560.1	779,255.4	22,368.3	22,368.3	185.8	117.8	98,997.0	101,885.0	1,564.1	1,564.1	1,064,273.4	1,055,329.9

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, November 2013 and 2012 (Megawatts)

Census Division and State	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	785.0	697.6	63.8	36.7	0.0	0.0	1,957.2	1,956.9	1,450.2	1,385.5	0.0	0.0	4,256.2	4,076.7
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	53.9	32.7	0.0	0.0	260.4	261.1	395.4	395.4	0.0	0.0	774.4	724.5
New Hampshire	171.0	123.0	0.0	0.0	0.0	0.0	513.9	505.0	245.1	162.4	0.0	0.0	930.0	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	110.2	8.0	4.0	0.0	0.0	323.6	323.6	78.9	78.9	0.0	0.0	530.7	516.7
Middle Atlantic	3,017.7	2,671.7	328.5	301.6	0.0	0.0	5,204.2	5,076.7	1,272.4	1,246.7	0.0	0.0	9,822.8	9,296.7
New Jersey	7.5	7.5	257.3	234.1	0.0	0.0	3.3	3.3	217.6	217.6	0.0	0.0	485.7	462.5
New York	1,636.4	1,632.3	34.2	31.5	0.0	0.0	4,314.4	4,311.9	463.0	460.2	0.0	0.0	6,448.0	6,435.9
Pennsylvania	1,373.8	1,031.9	37.0	36.0	0.0	0.0	886.5	761.5	591.8	568.9	0.0	0.0	2,889.1	2,398.3
East North Central	6,873.7	6,053.9	79.2	59.3	0.0	0.0	819.0	814.8	1,195.1	1,119.0	0.0	0.0	8,967.0	8,047.0
Illinois	3,520.1	3,320.1	31.6	29.0	0.0	0.0	34.1	34.1	131.9	132.8	0.0	0.0	3,717.7	3,516.0
Indiana	1,539.7	1,339.7	13.5	2.0	0.0	0.0	59.5	59.5	61.2	59.0	0.0	0.0	1,673.9	1,460.2
Michigan	975.1	562.8	0.0	0.0	0.0	0.0	237.0	237.0	462.5	459.3	0.0	0.0	1,674.6	1,259.1
Ohio	469.2	461.7	34.1	28.3	0.0	0.0	101.7	101.6	154.4	146.4	0.0	0.0	759.4	738.0
Wisconsin	369.6	369.6	0.0	0.0	0.0	0.0	386.7	382.6	385.1	321.5	0.0	0.0	1,141.4	1,073.7
West North Central	14,102.3	13,370.6	0.0	0.0	0.0	0.0	3,283.2	3,277.5	424.2	423.6	0.0	0.0	17,809.7	17,071.7
Iowa	5,005.0	4,901.5	0.0	0.0	0.0	0.0	147.8	147.8	14.6	14.6	0.0	0.0	5,167.4	5,063.9
Kansas	2,718.9	2,719.1	0.0	0.0	0.0	0.0	7.2	2.4	7.1	7.1	0.0	0.0	2,733.2	2,728.6
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	530.2	375.5	0.0	0.0	0.0	0.0	275.3	275.3	10.9	10.9	0.0	0.0	816.4	661.7
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	191.8	0.0	0.0	7,176.2	7,145.5	3,751.6	3,430.3	0.0	0.0	11,980.2	11,472.9
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	1,045.5	1,036.7	0.0	0.0	1,166.4	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	26.6	0.0	0.0	590.0	590.0	143.3	143.3	0.0	0.0	902.9	879.9
North Carolina	0.0	0.0	199.6	84.3	0.0	0.0	1,991.7	1,964.2	469.6	535.4	0.0	0.0	2,660.9	2,583.9
South Carolina	0.0	0.0	0.0	0.0	0.0	0.0	1,339.2	1,336.0	389.1	389.1	0.0	0.0	1,728.3	1,725.1
Virginia	0.0	0.0	0.0	0.0	0.0	0.0	866.2	866.2	952.1	666.8	0.0	0.0	1,818.3	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	12.8	0.0	0.0	6,719.9	6,715.9	1,179.8	1,178.9	0.0	0.0	7,941.6	7,936.7
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	12.8	0.0	0.0	2,616.1	2,616.1	197.3	196.4	0.0	0.0	2,855.3	2,854.4
West South Central	15,311.8	13,457.5	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	17,832.7
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	11,058.9	75.2	75.2	0.0	0.0	689.3	689.3	441.1	441.1	0.0	0.0	13,384.5	12,264.5
Mountain	6,787.9	6,157.1	1,406.9	925.2	319.5	69.5	10,552.7	10,507.8	163.7	159.9	432.2	439.1	19,662.9	18,258.6
Arizona	237.3	237.3	821.4	393.7	251.0	1.0	2,720.4	2,720.4	38.5	38.5	0.0	0.0	4,068.6	3,390.9
Colorado	2,300.9	2,203.9	117.6	115.4	0.0	0.0	661.9	655.6	13.0	13.0	0.0	0.0	3,093.4	2,987.9
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	177.8	156.0	0.0	0.0	82.9	82.9	6.4	6.4	0.0	0.0	1,044.6	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	2,195.3	469.3	531.5	406.5	39,773.4	39,697.1	1,998.6	1,911.2	2,173.0	2,104.1	58,447.9	55,219.0
California	5,818.0	4,782.3	2,184.1	458.1	531.5	406.5	10,150.3	10,145.7	1,300.9	1,219.3	2,155.3	2,092.3	22,140.1	19,104.2
Oregon	3,151.9	3,151.9	10.7	10.7	0.0	0.0	8,454.7	8,454.7	315.0	309.2	17.7	11.8	11,950.0	11,938.3
Washington	2,806.2	2,696.6	0.5	0.5	0.0	0.0	21,168.4	21,096.7	382.7	382.7	0.0	0.0	24,357.8	24,176.5
Pacific Noncontiguous	263.2	214.3	13.2	2.2	0.0	0.0	440.6	440.6	256.6	227.2	43.0	43.0	1,016.6	927.3
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	181.6	13.2	2.2	0.0	0.0	25.0	25.0	249.6	221.6	43.0	43.0	536.4	473.4
U.S. Total	59,652.1	53,987.9	4,522.0	2,074.1	851.0	476.0	79,009.6	78,713.0	12,915.2	12,302.1	2,648.2	2,586.2	159,598.1	150,139.3

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 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, November 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	
	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012	November 2013	November 2012
New England	12,194.9	12,190.5	1,227.1	1,090.0	858.0	876.4	2,547.1	2,727.1	0.0	0.0	7,560.3	7,916.1	0.0	0.0	24,387.4	24,800.1
Connecticut	2,511.7	2,513.4	595.2	458.1	61.2	61.0	383.4	570.1	0.0	0.0	2,830.3	3,186.1	0.0	0.0	6,381.8	6,788.7
Maine	1,250.0	1,250.0	306.0	306.0	119.0	119.0	85.0	85.0	0.0	0.0	1,004.9	1,004.9	0.0	0.0	2,764.9	2,764.9
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	3,432.5	3,419.7	73,005.2	72,667.6	570.1	570.1	3,191.9	3,193.4	906.1	906.1	123,676.0	123,260.8
Illinois	2,976.6	2,976.6	10,314.6	10,314.6	240.4	238.7	15,541.6	15,574.0	0.0	0.0	663.1	664.6	117.7	117.7	29,854.0	29,886.2
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	2,979.3	11,261.8	11,261.8	47.2	47.2	568.9	568.9	0.0	0.0	23,059.6	22,953.5
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	11,281.8	11,269.8	3,257.3	3,266.1	37,790.8	37,826.8	32.0	32.0	4,105.3	4,118.4	8.4	8.4	62,199.7	62,235.6
Iowa	1,161.5	1,161.5	1,113.9	1,113.9	261.4	261.4	6,619.4	6,683.4	32.0	32.0	998.3	997.6	0.0	0.0	10,186.5	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	804.0	0.0	0.0	10,444.8	10,444.8
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	80.0	80.0	0.0	0.0	4,141.1	4,141.1	0.0	0.0	58.6	72.4	8.4	8.4	4,288.1	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	45,426.2	42,044.2	31,540.5	30,744.5	4,033.7	3,492.1	65,329.3	66,921.3	633.8	633.8	15,216.5	16,519.0	135.0	135.0	162,315.0	160,489.9
Delaware	1,130.0	1,130.0	355.0	355.0	885.6	849.0	726.0	742.0	0.0	0.0	105.4	105.4	135.0	135.0	3,337.0	3,316.4
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	1,755.5	10,276.0	10,266.0	550.0	550.0	7,702.8	8,982.8	0.0	0.0	53,831.8	53,455.8
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	1,507.8	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	9,637.9	9,618.4
North Carolina	4,697.6	2,534.6	6,068.2	5,291.7	74.0	0.0	10,841.8	11,279.8	0.0	0.0	425.6	443.8	0.0	0.0	22,107.2	19,549.9
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	17,725.9	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	71,775.9
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	6,997.2	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	14,226.1
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	37,476.0	38,460.0	37,934.3	36,375.8	1,409.8	1,381.8	195.9	195.4	379.9	379.9	145,987.3	144,972.2
Arkansas	4,660.5	4,660.5	757.1	753.1	1,280.0	2,258.0	5,144.0	4,535.0	0.0	0.0	17.2	17.2	0.0	0.0	11,858.8	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	8,872.1	8,778.6	3,336.6	3,545.8	30,756.4	30,756.4	52.0	52.0	348.2	325.2	94.9	94.9	65,132.7	64,689.6
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	896.0	4,031.0	4,031.0	0.0	0.0	27.4	4.4	0.0	0.0	7,455.9	7,344.0
Utah	1,201.0	1,201.0	534.6	530.0	300.9	300.9	4,901.0	4,901.0	0.0	0.0	27.8	27.8	0.0	0.0	6,965.3	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	24,255.9	11,544.9	9,042.1	13,550.2	15,070.4	2,231.5	2,275.5	0.0	0.0	413.1	412.1	211.1	211.1	53,657.0	51,267.1
California	19,762.1	18,322.8	10,709.9	8,207.1	13,522.6	15,042.8	306.5	350.5	0.0	0.0	397.9	396.9	211.1	211.1	44,910.1	42,531.2
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	0.0	1,848.7	1,638.0
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	180.0	180.0	0.0	0.0	1,979.2	1,979.2	6.0	6.0	2,165.2	2,165.2
U.S. Total	224,878.7	219,079.3	124,438.6	120,459.5	77,591.1	80,877.1	306,520.0	309,574.4	2,709.3	2,681.3	43,480.8	44,638.2	1,941.6	1,945.6	781,560.1	779,255.4

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 6.3. 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	Energy Source Code	Prime Mover Code
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	1	39.8	Natural Gas Fired Combined Cycle	NG	CT
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	2	39.8	Natural Gas Fired Combined Cycle	NG	CT
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	3	39.8	Natural Gas Fired Combined Cycle	NG	CT
2013	1	3522	Chugach Electric Assn Inc	Electric Utility	Southcentral Power Plant	AK	57036	4	50.3	Natural Gas Fired Combined Cycle	NG	CA
2013	1	56615	First Solar Energy LLC	IPP	Avra Valley Solar	AZ	57657	1	25.0	Solar Photovoltaic	SUN	PV
2013	1	7353	Golden Valley Elec Assn Inc	Electric Utility	Eva Creek Wind	AK	57935	EVW	24.0	Onshore Wind Turbine	WND	WT
2013	1	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	3	2.1	Petroleum Liquids	DFO	IC
2013	1	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2B	86.5	Solar Photovoltaic	SUN	PV
2013	1	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2D	40.0	Solar Photovoltaic	SUN	PV
2013	1	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	SOL1	4.6	Landfill Gas	LFG	GT
2013	1	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	SOL2	4.6	Landfill Gas	LFG	GT
2013	1	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	SOL3	4.6	Landfill Gas	LFG	GT
2013	1	13630	North Carolina Mun Power Agny #1	Electric Utility	Gastonia Prime Power Park	NC	56954	5	1.8	Petroleum Liquids	DFO	IC
2013	1	13630	North Carolina Mun Power Agny #1	Electric Utility	Gastonia Prime Power Park	NC	56954	6	1.8	Petroleum Liquids	DFO	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN1	1.6	Landfill Gas	LFG	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN2	1.6	Landfill Gas	LFG	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN3	1.6	Landfill Gas	LFG	IC
2013	1	55723	PPL Renewable Energy LLC	IPP	Blue Ridge Landfill	PA	57466	GEN4	1.6	Landfill Gas	LFG	IC
2013	1	56748	RP1 Fuel Cell LLC	Electric CHP	RPI Fuel Cell LLC	CA	57419	0001	2.8	Other Waste Biomass	OBG	FC
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #10	CA	57224	S010A	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #10	CA	57224	S010B	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #10	CA	57224	S010C	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015A	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015B	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015C	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015D	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015E	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015F	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #15	CA	57229	S015G	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023A	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023B	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023C	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023D	0.5	Solar Photovoltaic	SUN	PV
2013	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #23	CA	57236	S023E	0.5	Solar Photovoltaic	SUN	PV
2013	1	2770	Terra-Gen Operating Co LLC	IPP	Pinyon Pine I	CA	57834	AW07	150.0	Onshore Wind Turbine	WND	WT
2013	1	2770	Terra-Gen Operating Co LLC	IPP	Pinyon Pine II	CA	57837	AW09	150.0	Onshore Wind Turbine	WND	WT
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN1	0.8	Landfill Gas	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN2	0.8	Landfill Gas	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN3	0.8	Landfill Gas	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN4	0.8	Landfill Gas	LFG	IC
2013	1	54842	WM Renewable Energy LLC	IPP	Mahoning	OH	57411	GEN5	0.8	Landfill Gas	LFG	IC
2013	1	20323	Wellhead Services Inc	IPP	Wellhead Power Delano LLC	CA	58122	GEN1	35.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	2	57369	Apple, Inc	Commercial	Apple Data Center PV	NC	57994	PV1	20.0	Solar Photovoltaic	SUN	PV
2013	2	49846	Covanta Honolulu Resource Recovery	Commercial	H Power	HI	10334	GEN2	28.0	Municipal Solid Waste	MSW	ST
2013	2	56615	First Solar Energy LLC	IPP	Alpine Solar	CA	57295	1	66.0	Solar Photovoltaic	SUN	PV
2013	2	7477	Granger Electric Co	IPP	Granger Electric of Watervliet	MI	58546	GEN1	1.6	Landfill Gas	LFG	IC
2013	2	7477	Granger Electric Co	IPP	Granger Electric of Watervliet	MI	58546	GEN2	1.6	Landfill Gas	LFG	IC
2013	2	57389	IKEA Property Inc	Commercial	IKEA Perryville 460	MD	58014	PV	2.0	Solar Photovoltaic	SUN	PV
2013	2	57389	IKEA Property Inc	Commercial	IKEA Westhampton 061	NJ	58016	PV	1.8	Solar Photovoltaic	SUN	PV
2013	2	11208	Los Angeles Department of Water & Power	Commercial	Occidental College Solar Project	CA	57311	1	1.0	Solar Photovoltaic	SUN	PV
2013	2	57271	NRG Solar Borrego I	IPP	NRG Solar Borrego I	CA	57455	SB1	26.0	Solar Photovoltaic	SUN	PV
2013	2	57146	Tulsa LFG LLC	IPP	Tulsa LFG LLC	OK	57828	GEN1	1.6	Landfill Gas	LFG	IC
2013	2	57146	Tulsa LFG LLC	IPP	Tulsa LFG LLC	OK	57828	GEN2	1.6	Landfill Gas	LFG	IC
2013	3	803	Arizona Public Service Co	Electric Utility	Foothills Solar Plant	AZ	57997	PV1	17.0	Solar Photovoltaic	SUN	PV
2013	3	18429	City of Tacoma - (WA)	Electric Utility	Cushman 2	WA	3915	34	1.8	Conventional Hydroelectric	WAT	HY
2013	3	18429	City of Tacoma - (WA)	Electric Utility	Cushman 2	WA	3915	35	1.8	Conventional Hydroelectric	WAT	HY
2013	3	57017	DOE National Renewable Energy Laboratory	Commercial	DOE Golden NREL Main Campus	CO	57694	PARKG	1.2	Solar Photovoltaic	SUN	PV
2013	3	58332	Dibrell Farm LLC	IPP	Dibrell Farm	NC	58346	1	5.0	Solar Photovoltaic	SUN	PV
2013	3	11208	Los Angeles Department of Water & Power	Electric Utility	Pine Tree Solar Project	CA	57306	1	8.5	Solar Photovoltaic	SUN	PV
2013	3	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623	3A	1.2	Other Waste Biomass	OBG	IC
2013	3	12411	Miami Dade Water & Sewer Dept	Commercial	Central District Wastewater Treat Plant	FL	54623	4A	1.2	Other Waste Biomass	OBG	IC
2013	3	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI9	60.5	Conventional Hydroelectric	WAT	HY
2013	3	58355	SPS Atwell Island LLC	IPP	Atwell Island	CA	58366	1	20.2	Solar Photovoltaic	SUN	PV
2013	3	17283	Seneca Energy II	IPP	Ontario LFGTE	NY	56250	GEN10	1.6	Landfill Gas	LFG	IC
2013	3	17283	Seneca Energy II	IPP	Ontario LFGTE	NY	56250	GEN11	1.6	Landfill Gas	LFG	IC
2013	3	17283	Seneca Energy II	IPP	Ontario LFGTE	NY	56250	GEN9	1.6	Landfill Gas	LFG	IC
2013	3	58112	TA-High Desert LLC	IPP	TA-High Desert LLC	CA	58149	TAHD	20.0	Solar Photovoltaic	SUN	PV
2013	3	54842	WM Renewable Energy LLC	IPP	Tullytown	PA	58250	GEN1	1.6	Landfill Gas	LFG	IC
2013	4	57369	Apple, Inc	Commercial	Apple Data Center - Fuel Cell 1&2	NC	58264	FC2	5.2	Landfill Gas	LFG	FC
2013	4	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE1	18.5	Solar Photovoltaic	SUN	PV
2013	4	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE2	27.3	Solar Photovoltaic	SUN	PV
2013	4	58373	CU Solar LLC	IPP	CU Solar Plant	OH	58386	CU	1.8	Solar Photovoltaic	SUN	PV
2013	4	3179	Caterpillar Inc	Industrial	Caterpillar	IN	50935	ET4	2.5	Other Natural Gas	NG	IC
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT1	96.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT2	96.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT3	96.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	4	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT4	96.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	4	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ1	35.3	Solar Photovoltaic	SUN	PV
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3A	1,210.0	Natural Gas Fired Combined Cycle	NG	CT
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3B		Natural Gas Fired Combined Cycle	NG	CT
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3C		Natural Gas Fired Combined Cycle	NG	CT
2013	4	6452	Florida Power & Light Co	Electric Utility	Cape Canaveral	FL	609	3T		Natural Gas Fired Combined Cycle	NG	CA
2013	4	57411	KDC Solar O&M LLC	Commercial	Middlesex Apple Orchard Solar	NJ	58090	SEF-1	1.3	Solar Photovoltaic	SUN	PV
2013	4	57411	KDC Solar O&M LLC	Commercial	Middlesex Apple Orchard Solar	NJ	58090	SEF-2	3.4	Solar Photovoltaic	SUN	PV
2013	4	58358	Light Beam Power Co LLC	IPP	Gridley Main Two	CA	58371	GEN1	2.5	Solar Photovoltaic	SUN	PV
2013	4	26616	North Slope Borough Power & Light	Electric Utility	NSB Nuisut Utility	AK	7484	PG3B	0.8	Other Natural Gas	NG	IC
2013	4	57282	Piedmont Green Power	IPP	Piedmont Green Power	GA	57909	GEN1	53.5	Wood/Wood Waste Biomass	WDS	ST
2013	4	15394	Procter & Gamble Ppr Prdts Co	Industrial	Procter & Gamble Mehoopany Mill	PA	50463	GEN3	64.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	4	56694	Thermo No 1 BE 01 LLC	IPP	Thermo No 1	UT	57353	2	14.0	Geothermal	GEO	BT
2013	5	807	Arkansas Electric Coop Corp	Electric Utility	Elkins Generating Center	AR	56489	C	20.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE3	27.3	Solar Photovoltaic	SUN	PV
2013	5	34	City of Abbeville - (SC)	Electric Utility	Rocky River	SC	3305	IC2	1.0	Petroleum Liquids	DFO	IC
2013	5	12944	City of Morgantown - (NC)	Electric Utility	Water Filter Plant #2	NC	55534	1299	1.7	Petroleum Liquids	DFO	IC
2013	5	56769	Consolidated Edison Development Inc.	IPP	West Greenwich Solar	RI	58214	WGRI	1.9	Solar Photovoltaic	SUN	PV
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG1	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG2	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG3	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG4	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG5	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG6	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG7	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG8	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT5	96.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	9	88.9	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGA	1.5	Onshore Wind Turbine	WND	WT
2013	5	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGB	1.5	Onshore Wind Turbine	WND	WT
2013	5	58331	Mt Olive Farm 2 LLC	IPP	Mt Olive Farm 2	NC	58345	1	5.0	Solar Photovoltaic	SUN	PV
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	1	197.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	2	197.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	3	197.0	Natural Gas Fired Combustion Turbine	NG	GT

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	Energy Source Code	Prime Mover Code
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	4	197.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	14328	Pacific Gas & Electric Co	Electric Utility	West Gates Solar Station	CA	58206	1	10.0	Solar Photovoltaic	SUN	PV
2013	5	58333	Rock Farm LLC	IPP	Rock Farm	NC	58347	1	5.0	Solar Photovoltaic	SUN	PV
2013	5	55861	Sandy Creek Energy Associates L P	IPP	Sandy Creek Energy Station	TX	56611	S01	936.5	Conventional Steam Coal	SUB	ST
2013	5	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	4	187.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	5	54842	WM Renewable Energy LLC	IPP	Oneida Herkimer	NY	57404	GEN2	1.6	Landfill Gas	LFG	IC
2013	6	58330	AM Best Farm	IPP	AM Best Farm	NC	58344	1	5.0	Solar Photovoltaic	SUN	PV
2013	6	1994	Boulder City of	IPP	Boulder Canyon Hydro	CO	466	1A	5.0	Conventional Hydroelectric	WAT	HY
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9560	0.4	Other Natural Gas	NG	FC
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9580	0.4	Other Natural Gas	NG	FC
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9587	0.4	Other Natural Gas	NG	FC
2013	6	57365	Consolidated Edison Solutions Inc	IPP	Wilson Solar	MA	58174	WMSMA	2.0	Solar Photovoltaic	SUN	PV
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	CT1	570.6	Coal Integrated Gasification Combined Cycle	SGC	CT
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	CT2		Coal Integrated Gasification Combined Cycle	SGC	CT
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	ST		Coal Integrated Gasification Combined Cycle	SGC	CA
2013	6	5914	Erie Boulevard Hydropower LP	IPP	Stewarts Bridge	NY	2614	2	2.5	Conventional Hydroelectric	WAT	HY
2013	6	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ2	124.8	Solar Photovoltaic	SUN	PV
2013	6	56440	G2 Energy LLC	IPP	G2 Energy Hay Rd	CA	58320	362	1.5	Landfill Gas	LFG	IC
2013	6	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGC	1.5	Onshore Wind Turbine	WND	WT
2013	6	58211	Highlander Solar 1, LLC	IPP	SEPV 8	CA	58234	SPV8	11.8	Solar Photovoltaic	SUN	PV
2013	6	58198	Highlander Solar 2, LLC	IPP	SEPV9 Power Plant	CA	58227	SPV9	8.5	Solar Photovoltaic	SUN	PV
2013	6	58320	Lenoir Farm 2 LLC	IPP	Lenoir Farm 2	NC	58334	1	5.0	Solar Photovoltaic	SUN	PV
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	11	96.3	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	12	96.3	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	13	96.3	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	14	96.3	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	15	96.3	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	16	96.3	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	58363	Oakley Solar Project LLC	IPP	Oakley Solar Project	CA	58376	1	1.5	Solar Photovoltaic	SUN	PV
2013	6	57165	Otay Landfill Gas LLC	IPP	Otay	CA	52204	OTA5	1.5	Landfill Gas	LFG	IC
2013	6	57165	Otay Landfill Gas LLC	IPP	Otay	CA	52204	OTA6	1.5	Landfill Gas	LFG	IC
2013	6	14328	Pacific Gas & Electric Co	Electric Utility	Gates Solar Station	CA	57892	1	20.0	Solar Photovoltaic	SUN	PV
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	NG	GT
2013	6	58111	RE Kansas South LLC	IPP	RE Kansas South LLC	CA	58148	KS	20.0	Solar Photovoltaic	SUN	PV
2013	6	57313	SolarCity Corporation	IPP	Town of East Bridgewater	MA	58586	1	2.0	Solar Photovoltaic	SUN	PV
2013	7	58335	Bolton Farm LLC	IPP	Bolton Farm	NC	58349	1	5.0	Solar Photovoltaic	SUN	PV
2013	7	306	Brookfield Renewable Power	Industrial	Cheeah	NC	54899	3A	27.5	Conventional Hydroelectric	WAT	HY
2013	7	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE1	33.4	Solar Photovoltaic	SUN	PV
2013	7	20364	City of West Bend	Electric Utility	West Bend	IA	1199	5	2.5	Petroleum Liquids	DFO	IC
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9581	0.4	Other Natural Gas	NG	FC
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9583	0.4	Other Natural Gas	NG	FC
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9585	0.4	Other Natural Gas	NG	FC
2013	7	56769	Consolidated Edison Development Inc.	IPP	White River Solar	CA	58373	WRCA	20.0	Solar Photovoltaic	SUN	PV
2013	7	56615	First Solar Energy LLC	IPP	Imperial Solar Energy Center South	CA	58468	IVS1	46.6	Solar Photovoltaic	SUN	PV
2013	7	19558	Homer Electric Assn Inc	Electric Utility	Nikiski Co-Generation	AK	55966	ST1	40.0	Natural Gas Fired Combined Cycle	NG	CA
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	NG	GT
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	NG	GT
2013	7	56155	Lansing Board of Water and Light	Electric Utility	Lansing BWL REO Town Plant	MI	58427	ST	13.3	Other Natural Gas	NG	ST
2013	7	58319	Lenoir Farm LLC	IPP	Lenoir Farm	NC	58333	1	5.0	Solar Photovoltaic	SUN	PV
2013	7	11208	Los Angeles Department of Water & Power	Commercial	CBS Television City	CA	58253	GEN1	1.6	Solar Photovoltaic	SUN	PV
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	7	195.0	Natural Gas Fired Combined Cycle	NG	CT
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	8	60.0	Natural Gas Fired Combined Cycle	NG	CA
2013	7	13683	North Carolina EI Member Corp	Electric Utility	Hamlet Generating Facility	NC	56292	ES6	56.5	Natural Gas Fired Combustion Turbine	NG	GT
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG10	0.6	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG7	0.6	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG8	0.6	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG9	0.6	Petroleum Liquids	DFO	IC
2013	7	15500	Puget Sound Energy Inc	Electric Utility	Lower Baker	WA	3855	4	30.4	Conventional Hydroelectric	WAT	HY
2013	7	58309	Radiane Solar LLC	IPP	Radiane Solar 4	CA	58354	1	1.5	Solar Photovoltaic	SUN	PV
2013	7	58309	Radiane Solar LLC	IPP	Radiane Solar 5	CA	58355	1	1.5	Solar Photovoltaic	SUN	PV
2013	7	58366	Toro Energy of California SLO	IPP	Cold Canyon 1	CA	58379	W3998	1.5	Landfill Gas	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN1	0.8	Landfill Gas	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN2	0.8	Landfill Gas	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN3	0.8	Landfill Gas	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN4	0.8	Landfill Gas	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN5	0.8	Landfill Gas	LFG	IC
2013	7	57081	Washington Gas Energy Systems, Inc.	IPP	Orange PV	MA	58411	SO023	2.0	Solar Photovoltaic	SUN	PV
2013	7	58328	Wilson Farm 1 LLC	IPP	Wilson Farm 1	NC	58342	1	5.0	Solar Photovoltaic	SUN	PV
2013	7	56751	Yolo County of	IPP	Grassland 3 Solar Project	CA	58204	INV3	1.0	Solar Photovoltaic	SUN	PV
2013	7	56751	Yolo County of	IPP	Grassland 4 Solar Project	CA	58217	INV4	1.0	Solar Photovoltaic	SUN	PV
2013	8	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE4	25.0	Solar Photovoltaic	SUN	PV
2013	8	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE5	27.3	Solar Photovoltaic	SUN	PV
2013	8	58440	CD US Solar MT 2 LLC	IPP	Watts 3115	CA	58454	1	1.5	Solar Photovoltaic	SUN	PV
2013	8	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE2	25.6	Solar Photovoltaic	SUN	PV
2013	8	56769	Consolidated Edison Development Inc.	IPP	Corcoran Solar	CA	58374	CSCA	20.0	Solar Photovoltaic	SUN	PV
2013	8	56769	Consolidated Edison Development Inc.	IPP	Northbridge Solar	MA	58385	NSMA	1.9	Solar Photovoltaic	SUN	PV
2013	8	5070	Delaware Electric Cooperative	Electric Utility	Bruce A Henry Solar Farm	DE	58473	BHSF	4.0	Solar Photovoltaic	SUN	PV
2013	8	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED3	3.7	Other Natural Gas	NG	FC
2013	8	58368	Doyon Utilities, LLC	Commercial	JBER Landfill Gas Power Plant	AK	58380	5	1.4	Landfill Gas	LFG	IC
2013	8	56440	G2 Energy LLC	IPP	G2 Energy Ostrom Road LLC	CA	57133	361	1.5	Landfill Gas	LFG	IC
2013	8	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Mustang Station Unit 4	TX	56326	GEN3	145.0	Natural Gas Fired Combustion Turbine	NG	GT
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	NG	CA
2013	8	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	5	195.0	Natural Gas Fired Combined Cycle	NG	CT
2013	8	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	6	60.0	Natural Gas Fired Combined Cycle	NG	CA
2013	8	14328	Pacific Gas & Electric Co	Electric Utility	Guernsey Solar Station	CA	57891	1	20.0	Solar Photovoltaic	SUN	PV
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	CTG1	185.0	Natural Gas Fired Combined Cycle	NG	CT
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	CTG2	185.0	Natural Gas Fired Combined Cycle	NG	CT
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	STG1	245.0	Natural Gas Fired Combined Cycle	NG	CA
2013	9	58488	Alaska Environmental Power	IPP	Delta Wind Farm	AK	58511	EW27	0.9	Onshore Wind Turbine	WND	WT
2013	9	58300	Ameresco Select Inc	Commercial	CJTS Energy Center	CT	58365	UNIT7	0.4	Other Natural Gas	NG	FC
2013	9	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	01	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	9	57031	Beacon Power LLC	IPP	Hazle Spindle	PA	57716	HRS1	20.0	Flywheels	MWH	FW
2013	9	11268	City of Lowell - (MI)	Electric Utility	Chatham	MI	58254	CTOIS	3.4	Natural Gas Fired Combustion Turbine	NG	GT
2013	9	56523	Colorado Highlands Wind LLC	IPP	Colorado Highlands Wind	CO	57174	CHW2	23.8	Onshore Wind Turbine	WND	WT
2013	9	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED4	3.7	Other Natural Gas	NG	FC
2013	9	56615	First Solar Energy LLC	IPP	Maryland Solar	MD	58408	MSH1	20.0	Solar Photovoltaic	SUN	PV
2013	9	58318	Haynes Farm LLC	IPP	Haynes Farm	NC	58332	1	5.0	Solar Photovoltaic	SUN	PV
2013	9	58429	Houweling's Tomatoes	Electric CHP	Houweling Nurseries	CA	58432	COG3	4.4	Other Natural Gas	NG	IC
2013	9	58336	McCallum Farm LLC	IPP	McCallum Farm							

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	Energy Source Code	Prime Mover Code
2013	10	56615	First Solar Energy LLC	IPP	Campo Verde Solar	CA	58467	CVS1	139.0	Solar Photovoltaic	SUN	PV
2013	10	56615	First Solar Energy LLC	IPP	Imperial Solar Energy Center South	CA	58468	IVS2	46.6	Solar Photovoltaic	SUN	PV
2013	10	56615	First Solar Energy LLC	Electric Utility	Los Lunas Solar Energy Center	NM	57571	LMS2	2.0	Solar Photovoltaic	SUN	PV
2013	10	56615	First Solar Energy LLC	Electric Utility	Manzano Solar	NM	58521	MAN1	8.0	Solar Photovoltaic	SUN	PV
2013	10	7477	Granger Electric Co	IPP	L&S Sweetners	PA	58497	GEN1	1.6	Landfill Gas	LFG	IC
2013	10	7477	Granger Electric Co	IPP	L&S Sweetners	PA	58497	GEN2	1.6	Landfill Gas	LFG	IC
2013	10	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2	32.3	Solar Photovoltaic	SUN	PV
2013	10	56762	High Plains Ranch II, LLC	IPP	California Valley Solar Ranch	CA	57439	HPR2C	70.0	Solar Photovoltaic	SUN	PV
2013	10	58520	Huerfano River Wind, LLC	IPP	Huerfano River Wind	CO	58548	WTG1	2.0	Onshore Wind Turbine	WND	WT
2013	10	58520	Huerfano River Wind, LLC	IPP	Huerfano River Wind	CO	58548	WTG2	2.0	Onshore Wind Turbine	WND	WT
2013	10	58520	Huerfano River Wind, LLC	IPP	Huerfano River Wind	CO	58548	WTG3	2.0	Onshore Wind Turbine	WND	WT
2013	10	58321	Marshville Farm LLC	IPP	Marshville Farm	NC	58335	1	5.0	Solar Photovoltaic	SUN	PV
2013	10	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	1A	122.0	Conventional Hydroelectric	WAT	HY
2013	10	15793	Redwood Falls Public Util Comm	Electric Utility	Redwood Falls	MN	2009	8	0.5	Conventional Hydroelectric	WAT	HY
2013	10	58522	Revolution Energy Solutions LLC	IPP	RES Ag - DM 2-1 LLC	NC	58566	CHP	0.4	Other Waste Biomass	OBG	IC
2013	10	17718	Southwestern Public Service Co	Electric Utility	Quay County	NM	58125	1	23.0	Petroleum Liquids	DFO	GT
2013	10	57081	Washington Gas Energy Systems, Inc.	IPP	Bellingham PV	MA	58403	SO032	3.0	Solar Photovoltaic	SUN	PV
2013	11	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	NH	57943	01	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	11	57430	Berlin Station, LLC	IPP	Burgess BioPower	NH	58054	ST01	67.5	Wood/Wood Waste Biomass	WDS	ST
2013	11	56819	CSOLAR IV South LLC	IPP	Imperial Solar Energy Center South	CA	57490	56819	128.9	Solar Photovoltaic	SUN	PV
2013	11	58239	Desert Sky Solar LLC	IPP	Badger 1	AZ	58262	1	14.8	Solar Photovoltaic	SUN	PV
2013	11	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED6	3.7	Other Natural Gas	NG	FC
2013	11	58523	Enerdyne Power Systems Inc	IPP	Onslow Power Producers	NC	58558	GEN1	1.9	Landfill Gas	LFG	IC
2013	11	56615	First Solar Energy LLC	Electric Utility	Deming Solar Energy Center	NM	57575	HON2	4.0	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL16	22.7	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL17	29.0	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL20	25.2	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL1	40.3	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL10	30.2	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL11	20.2	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL2	40.3	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL3	40.3	Solar Photovoltaic	SUN	PV
2013	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL4	30.2	Solar Photovoltaic	SUN	PV
2013	11	58186	GL Dairy Biogas LLC	IPP	GL Dairy Biogas	WI	58219	633	0.6	Other Waste Biomass	OBG	IC
2013	11	58178	GSA Metropolitan Service Center	Electric CHP	Central Utility Plant at White Oak	MD	58207	G7	7.5	Natural Gas Fired Combustion Turbine	NG	GT
2013	11	58178	GSA Metropolitan Service Center	Electric CHP	Central Utility Plant at White Oak	MD	58207	G8	7.5	Natural Gas Fired Combustion Turbine	NG	GT
2013	11	58178	GSA Metropolitan Service Center	Electric CHP	Central Utility Plant at White Oak	MD	58207	G9	4.5	Natural Gas Fired Combustion Turbine	NG	GT
2013	11	56723	Genesis Solar LLC	IPP	Genesis Solar Energy Project	CA	57394	GEN02	125.0	Solar Thermal without Energy Storage	SUN	ST
2013	11	58376	IND Solar Farm	IPP	IND Solar Farm 1st Phase	IN	58391	1	10.0	Solar Photovoltaic	SUN	PV
2013	11	56167	Imperial Valley Solar, LLC	IPP	Imperial Valley Solar, LLC	CA	56917	1	101.0	Solar Photovoltaic	SUN	PV
2013	11	20508	MeadWestvaco Corp	Industrial	Covington Facility	VA	50900	GEN7	81.0	Wood/Wood Waste Biomass	WDS	ST
2013	11	15458	PPL Holtwood LLC	IPP	PPL Holtwood	PA	3145	HW18	62.5	Conventional Hydroelectric	WAT	HY
2013	11	15458	PPL Holtwood LLC	IPP	PPL Holtwood	PA	3145	HW19	62.5	Conventional Hydroelectric	WAT	HY
2013	11	58547	Port of Tillamook Bay	Electric Utility	POTB Digester	OR	58591	GEN1	1.0	Other Waste Biomass	OBG	IC
2013	11	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	CA1	264.0	Natural Gas Fired Combined Cycle	NG	CA
2013	11	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	CT1	179.0	Natural Gas Fired Combined Cycle	NG	CT
2013	11	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	CT2	179.0	Natural Gas Fired Combined Cycle	NG	CT
2013	11	58522	Revolution Energy Solutions LLC	IPP	RES Ag - DM 4-3 LLC	NC	58567	CHP	0.7	Other Waste Biomass	OBG	IC
2013	11	58536	Smithfield-Farmland Packaged Food Group	Industrial	Smithfield Farmland Kinston	NC	58575	1	2.3	Petroleum Liquids	DFO	IC
2013	11	58536	Smithfield-Farmland Packaged Food Group	Industrial	Smithfield Farmland Kinston	NC	58575	2	2.3	Petroleum Liquids	DFO	IC
2013	11	58536	Smithfield-Farmland Packaged Food Group	Industrial	Smithfield Farmland Kinston	NC	58575	3	2.3	Petroleum Liquids	DFO	IC
2013	11	58536	Smithfield-Farmland Packaged Food Group	Industrial	Smithfield Farmland Kinston	NC	58575	4	2.3	Petroleum Liquids	DFO	IC
2013	11	58524	South Boston Energy LLC	IPP	Halifax County Biomass	VA	58560	STG1	44.3	Wood/Wood Waste Biomass	WDS	ST
2013	11	58545	Tuscola Wind II LLC	IPP	Tuscola Wind II LLC	MI	58587	1	100.3	Onshore Wind Turbine	WND	WT
2013	11	57081	Washington Gas Energy Systems, Inc.	IPP	Rio Rancho High School	NM	58589	RRHS	1.0	Solar Photovoltaic	SUN	PV
2013	11	57081	Washington Gas Energy Systems, Inc.	IPP	Sue Cleveland High School	NM	58588	SCHS	1.0	Solar Photovoltaic	SUN	PV
2013	11	20847	Wisconsin Electric Power Co	IPP	Rothschild Biomass Cogen Facility	WI	58124	1	50.0	Wood/Wood Waste Biomass	WDS	ST

NOTES:

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

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

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

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	Energy Source Code	Prime Mover Code
2013	1	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	ST3	387.0	Petroleum Liquids	RFO	ST
2013	1	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	ST4	392.0	Petroleum Liquids	RFO	ST
2013	1	22155	Texas State University - San Marcos	Commercial	Southwest Texas State University	TX	50263	GEN1	6.0	Other Natural Gas	NG	IC
2013	2	3456	Chevron Products Co-Pascagoula	Industrial	Pascagoula Cogen	MS	52084	TG1	4.0	Other Gases	OG	ST
2013	2	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	3	860.0	Nuclear	NUC	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Hamilton Moses	AR	168	1	67.0	Other Natural Gas	NG	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Hamilton Moses	AR	168	2	67.0	Other Natural Gas	NG	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Robert E Ritchie	AR	173	1	300.0	Other Natural Gas	NG	ST
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH1	1.1	Petroleum Liquids	DFO	IC
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH2	1.2	Petroleum Liquids	DFO	IC
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH3	1.0	Petroleum Liquids	DFO	IC
2013	2	10171	Kentucky Utilities Co	Electric Utility	Tyrone	KY	1361	3	71.0	Conventional Steam Coal	BIT	ST
2013	3	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Cabot Holyoke	MA	9864	6	9.3	Other Natural Gas	NG	ST
2013	3	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Cabot Holyoke	MA	9864	8	9.3	Other Natural Gas	NG	ST
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	11	2.0	Petroleum Liquids	DFO	IC
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	12	2.0	Petroleum Liquids	DFO	IC
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	13	2.0	Petroleum Liquids	DFO	IC
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#1	0.7	Natural Gas Fired Combined Cycle	NG	CA
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#2	0.5	Natural Gas Fired Combined Cycle	NG	CA
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#3	0.5	Natural Gas Fired Combined Cycle	NG	CA
2013	3	56024	Kamin LLC	Industrial	Kamin LLC Wrens Mine	GA	55961	WM1	1.0	Petroleum Liquids	DFO	IC
2013	3	56024	Kamin LLC	Industrial	Kamin LLC Wrens Mine	GA	55961	WM2	1.0	Petroleum Liquids	DFO	IC
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	1A	11.0	Petroleum Liquids	DFO	CT
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	1B	12.0	Petroleum Liquids	DFO	CT
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	2A	12.0	Petroleum Liquids	DFO	CT
2013	3	57303	State of Illinois	Commercial	Jacksonville Developmental Center	IL	57918	1	0.7	Conventional Steam Coal	BIT	ST
2013	3	57303	State of Illinois	Commercial	Jacksonville Developmental Center	IL	57918	2	0.7	Conventional Steam Coal	BIT	ST
2013	3	57303	State of Illinois	Commercial	Jacksonville Developmental Center	IL	57918	3	2.0	Conventional Steam Coal	BIT	ST
2013	3	56694	Thermo No 1 BE 01 LLC	IPP	Thermo No 1	UT	57353	1	12.5	Geothermal	GEO	BT
2013	4	58300	Ameresco Select Inc	Commercial	CJTS Energy Center	CT	58365	UNIT4	0.2	Other Natural Gas	NG	FC
2013	4	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ16	1.4	Conventional Hydroelectric	WAT	HY
2013	4	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ17	1.4	Conventional Hydroelectric	WAT	HY
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	1	52.5	Petroleum Liquids	RFO	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	2	51.0	Petroleum Liquids	RFO	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	3	137.5	Conventional Steam Coal	BIT	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	4	232.0	Conventional Steam Coal	BIT	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	5	2.5	Petroleum Liquids	DFO	IC
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	6	2.5	Petroleum Liquids	DFO	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	1	0.6	Other Natural Gas	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	2	0.6	Other Natural Gas	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	3	0.6	Other Natural Gas	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	4	0.6	Other Natural Gas	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	5	0.6	Other Natural Gas	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	6	0.6	Other Natural Gas	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	7	0.6	Other Natural Gas	NG	IC
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI1	4.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI2	4.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI3	4.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI4	4.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI5	4.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI6	4.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI7	6.0	Conventional Hydroelectric	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI8	6.0	Conventional Hydroelectric	WAT	HY
2013	5	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ14	0.3	Conventional Hydroelectric	WAT	HY
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	10	2.0	Other Natural Gas	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	11	3.0	Other Natural Gas	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	12	3.0	Other Natural Gas	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	18	8.0	Other Natural Gas	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	8	2.0	Other Natural Gas	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	9	2.0	Other Natural Gas	NG	IC
2013	5	12944	City of Morganton - (NC)	Electric Utility	Water Filter Plant #2	NC	55534	3516	1.3	Petroleum Liquids	DFO	IC
2013	5	54718	Dominion Energy Kewaunee Inc.	IPP	Kewaunee	WI	8024	1	566.0	Nuclear	NUC	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	5	128.0	Conventional Steam Coal	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	6	128.0	Conventional Steam Coal	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	4	94.0	Conventional Steam Coal	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	5	94.0	Conventional Steam Coal	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	6	133.0	Conventional Steam Coal	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	7	133.0	Conventional Steam Coal	BIT	ST
2013	5	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	1	1.1	Petroleum Liquids	DFO	IC
2013	5	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	2	1.1	Petroleum Liquids	DFO	IC
2013	5	12631	NRG Delta LLC	IPP	Contra Costa	CA	228	6	335.0	Other Natural Gas	NG	ST
2013	5	12631	NRG Delta LLC	IPP	Contra Costa	CA	228	7	337.0	Other Natural Gas	NG	ST
2013	6	1687	Bio-Energy Partners	IPP	Ridgeview	WI	55925	GEN9	0.8	Landfill Gas	LFG	IC
2013	6	5998	City of Estherville - (IA)	Electric Utility	Estherville	IA	1137	6	1.7	Petroleum Liquids	DFO	IC
2013	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	4	63.0	Conventional Steam Coal	BIT	ST
2013	6	55997	Domtar Paper Company Rothschild	Industrial	Domtar Paper Company Rothschild	WI	50190	TG2	4.7	Other Natural Gas	NG	ST
2013	6	814	Entergy Arkansas Inc	Electric Utility	Robert E Ritchie	AR	173	GT1	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	5	292.0	Other Natural Gas	NG	ST
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	6	238.0	Other Natural Gas	NG	ST
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	1	162.0	Petroleum Liquids	RFO	ST
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	10	11.9	Petroleum Liquids	DFO	GT
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	2	168.0	Petroleum Liquids	RFO	ST
2013	6	17609	Southern California Edison Co	Electric Utility	San Onofre Nuclear Generating Station	CA	360	2	1,070.0	Nuclear	NUC	ST
2013	6	17609	Southern California Edison Co	Electric Utility	San Onofre Nuclear Generating Station	CA	360	3	1,080.0	Nuclear	NUC	ST
2013	7	803	Arizona Public Service Co	Electric Utility	Saguaro	AZ	118	1	110.0	Other Natural Gas	NG	ST
2013	7	803	Arizona Public Service Co	Electric Utility	Saguaro	AZ	118	2	100.0	Other Natural Gas	NG	ST
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ01	0.7	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ02	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ03	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ04	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ05	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ06	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ07	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ08	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ09	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ10	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ11	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ12	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ13	0.3	Conventional Hydroelectric	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ15	0.5	Conventional Hydroelectric	WAT	HY
2013	7	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	GEN2	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Power	CA	330	3	335.0	Other Natural Gas	NG	ST
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG1A	0.3	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG2A	0.3	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG3A	0.3	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG4A	0.3	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG5	0.3	Petroleum Liquids	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG6	0.3	Petroleum Liquids	DFO	IC
2013	7	14328	Pacific Gas & Electric Co	Electric Utility	Alta Powerhouse	CA	214	2	1.0	Conventional Hydroelectric	WAT	HY
2013	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	3	111.0	Conventional Steam Coal	BIT	ST

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	Energy Source Code	Prime Mover Code
2013	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	5	111.0	Conventional Steam Coal	BIT	ST
2013	9	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	GILD	0.3	Conventional Hydroelectric	WAT	HY
2013	9	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	TOM	0.4	Conventional Hydroelectric	WAT	HY
2013	9	7140	Georgia Power Co	Electric Utility	Harilee Branch	GA	709	2	325.0	Conventional Steam Coal	BIT	ST
2013	9	17235	NRG REMA LLC	IPP	Titus	PA	3115	1	72.0	Conventional Steam Coal	BIT	ST
2013	9	17235	NRG REMA LLC	IPP	Titus	PA	3115	2	72.0	Conventional Steam Coal	BIT	ST
2013	9	17235	NRG REMA LLC	IPP	Titus	PA	3115	3	72.0	Conventional Steam Coal	BIT	ST
2013	9	14465	Park 500 Philip Morris USA	Industrial	Park 500 Philip Morris USA	VA	50275	TG2	2.0	Conventional Steam Coal	BIT	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy Mitchell Power Station	PA	3181	2	82.0	Petroleum Liquids	DFO	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy Mitchell Power Station	PA	3181	3	278.0	Conventional Steam Coal	BIT	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	Hatfields Ferry Power Station	PA	3179	1	530.0	Conventional Steam Coal	BIT	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	Hatfields Ferry Power Station	PA	3179	2	530.0	Conventional Steam Coal	BIT	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	Hatfields Ferry Power Station	PA	3179	3	530.0	Conventional Steam Coal	BIT	ST
2013	10	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Hope Utility	AK	7485	PG1	0.3	Petroleum Liquids	DFO	IC
2013	10	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Hope Utility	AK	7485	PG2	0.3	Petroleum Liquids	DFO	IC
2013	10	13756	Northern Indiana Pub Serv Co	Electric Utility	Dean H Mitchell	IN	996	9A	17.0	Natural Gas Fired Combustion Turbine	NG	GT
2013	10	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	10	103.8	Conventional Hydroelectric	WAT	HY
2013	11	3258	Central Iowa Power Cooperative	Electric Utility	Fair Station	IA	1218	1	23.0	Conventional Steam Coal	BIT	ST
2013	11	3258	Central Iowa Power Cooperative	Electric Utility	Fair Station	IA	1218	2	41.0	Conventional Steam Coal	BIT	ST
2013	11	814	Entergy Arkansas Inc	Electric Utility	Robert E Ritchie	AR	173	2	544.0	Other Natural Gas	NG	ST
2013	11	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	1	97.0	Conventional Steam Coal	BIT	ST
2013	11	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	2	90.0	Conventional Steam Coal	BIT	ST
2013	11	3046	Progress Energy Carolinas Inc	Electric Utility	L V Sutton Steam	NC	2713	3	366.0	Conventional Steam Coal	BIT	ST

NOTES:

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

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

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

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	Energy Source Code	Prime Mover Code
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	1	0.5	Petroleum Liquids	JF	IC
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	2	0.5	Petroleum Liquids	JF	IC
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	3	0.5	Petroleum Liquids	JF	IC
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	4	0.5	Petroleum Liquids	JF	IC
2013	12	803	Arizona Public Service Co	Electric Utility	Foothills Solar Plant	AZ	57997	PV2	18.0	Solar Photovoltaic	SUN	PV
2013	12	803	Arizona Public Service Co	Electric Utility	Hyder II	AZ	58383	PV1	18.0	Solar Photovoltaic	SUN	PV
2013	12	57421	BayWa r.e Wind LLC	IPP	Broadview Energy Prime 2 LLC	NM	58465	0002	9.9	Onshore Wind Turbine	WND	WT
2013	12	57421	BayWa r.e Wind LLC	IPP	Broadview Energy Prime LLC	NM	58464	0001	9.9	Onshore Wind Turbine	WND	WT
2013	12	58262	Belectric Inc	IPP	Industry Solar Power Generation Station 1 LLC	CA	58609	ISP1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58262	Belectric Inc	IPP	Navajo Solar Power Generation Station 1 LLC	CA	58610	NSP1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58262	Belectric Inc	IPP	Otoe Solar Power Generation Station 1 LLC	CA	58612	1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58262	Belectric Inc	IPP	Powhatan Solar Power Generation Station 1 LLC	CA	58611	1	1.5	Solar Photovoltaic	SUN	PV
2013	12	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN6	1.6	Landfill Gas	LFG	IC
2013	12	58461	Buffalo Dunes Wind Project LLC	IPP	Buffalo Dunes Wind Project	KS	58474	GE1	249.8	Onshore Wind Turbine	WND	WT
2013	12	58540	California PV Energy LLC	IPP	Oltmans SCE at Champagne	CA	58581	1	1.0	Solar Photovoltaic	SUN	PV
2013	12	58540	California PV Energy LLC	IPP	Oltmans SCE at Jurupa	CA	58582	1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58546	Cascade Solar LLC	IPP	Cascade Solar	CA	58590	1	18.5	Solar Photovoltaic	SUN	PV
2013	12	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE4	33.4	Solar Photovoltaic	SUN	PV
2013	12	10056	City of Kaukauna	Electric Utility	New Badger	WI	4120	3	4.0	Conventional Hydroelectric	WAT	HY
2013	12	10056	City of Kaukauna	Electric Utility	New Badger	WI	4120	4	4.0	Conventional Hydroelectric	WAT	HY
2013	12	57365	Consolidated Edison Solutions Inc	IPP	Desert Hot Springs Solar	CA	58514	DHCA	2.2	Solar Photovoltaic	SUN	PV
2013	12	57365	Consolidated Edison Solutions Inc	IPP	Quittacas Pond Solar	MA	58362	QPMA	3.5	Solar Photovoltaic	SUN	PV
2013	12	58468	Dominion Renewable Energy	IPP	Azalea Solar Power Facility	GA	58482	1	7.7	Solar Photovoltaic	SUN	PV
2013	12	58468	Dominion Renewable Energy	IPP	Bridgeport Fuel Cell Park	CT	58551	1	14.9	Other Natural Gas	NG	FC
2013	12	58468	Dominion Renewable Energy	IPP	Indy Solar 1	IN	58552	1	10.0	Solar Photovoltaic	SUN	PV
2013	12	58468	Dominion Renewable Energy	IPP	Indy Solar II	IN	58556	1	10.1	Solar Photovoltaic	SUN	PV
2013	12	58468	Dominion Renewable Energy	IPP	Indy Solar III	IN	58553	1	8.6	Solar Photovoltaic	SUN	PV
2013	12	58468	Dominion Renewable Energy	IPP	Somers Solar Center	CT	58554	1	5.0	Solar Photovoltaic	SUN	PV
2013	12	57280	Eagle Creek RE LLC	IPP	Rio	NY	2631	RI02	0.8	Conventional Hydroelectric	WAT	HY
2013	12	58535	Eagle Valley Clean Energy LLC	IPP	Eagle Valley Clean Energy LLC Biomass	CO	58574	01	11.3	Wood/Wood Waste Biomass	WDS	ST
2013	12	56381	Enel Cove Fort LLC	IPP	Enel Cove Fort	UT	58570	1-G1A	4.4	Geothermal	GEO	BT
2013	12	56381	Enel Cove Fort LLC	IPP	Enel Cove Fort	UT	58570	2-G1A	4.4	Geothermal	GEO	BT
2013	12	58523	Enerdyne Power Systems Inc	IPP	BiCounty Gas Producers LLC	TN	58559	GEN2	1.9	Landfill Gas	LFG	IC
2013	12	58523	Enerdyne Power Systems Inc	IPP	Oak Grove Gas Producers	KS	57489	G2	1.9	Landfill Gas	LFG	IC
2013	12	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL12	39.1	Solar Photovoltaic	SUN	PV
2013	12	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL13	39.1	Solar Photovoltaic	SUN	PV
2013	12	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL14	26.5	Solar Photovoltaic	SUN	PV
2013	12	56615	First Solar Energy LLC	Electric Utility	Otero Solar	NM	58520	OTE1	7.5	Solar Photovoltaic	SUN	PV
2013	12	58541	Forbes Street Solar, LLC	IPP	Forbes Street Solar	RI	58583	FSS1	3.0	Solar Photovoltaic	SUN	PV
2013	12	58537	Fresh Air Energy IV LLC		Sonora 1	CA	58578	SON1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58186	GL Dairy Biogas LLC	IPP	GL Dairy Biogas	WI	58219	1426	1.4	Other Waste Biomass	OBG	IC
2013	12	58178	GSA Metropolitan Service Center	Electric CHP	Central Utility Plant at White Oak	MD	58207	G12	5.0	Other Natural Gas	NG	ST
2013	12	56611	Gainesville Renewable Energy Center LLC	IPP	Gainesville Renewable Energy Center	FL	57241	1	102.5	Wood/Wood Waste Biomass	WDS	ST
2013	12	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP1	2.5	Other Waste Biomass	OBL	IC
2013	12	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP2	2.5	Other Waste Biomass	OBL	IC
2013	12	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP3	2.5	Other Waste Biomass	OBL	IC
2013	12	19547	Hawaiian Electric Co Inc	Electric Utility	HNL Emergency Power Facility	HI	58469	AP4	2.5	Other Waste Biomass	OBL	IC
2013	12	58526	Hometown Bio Energy LLC	Electric CHP	Hometown Bio Energy LLC	MN	58563	HTBE	7.5	Other Waste Biomass	OBG	IC
2013	12	49893	Invenegy Services LLC	IPP	Goldthwaite Wind Energy Facility	TX	58321	1	150.0	Onshore Wind Turbine	WND	WT
2013	12	49893	Invenegy Services LLC		Lakeland Solar Energy LLC	GA	58572	1	0.9	Solar Photovoltaic	SUN	PV
2013	12	49893	Invenegy Services LLC		Lakeland Solar Energy LLC	GA	58572	2	0.9	Solar Photovoltaic	SUN	PV
2013	12	10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN1	4.4	Natural Gas Fired Combustion Turbine	NG	GT
2013	12	10810	LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN2	4.4	Natural Gas Fired Combustion Turbine	NG	GT
2013	12	58581	Lightning Dock Geothermal HI-01, LLC	IPP	Lightning Dock Geothermal HI-01, LLC	NM	58629	PB01	0.4	Geothermal	GEO	BT
2013	12	58581	Lightning Dock Geothermal HI-01, LLC	IPP	Lightning Dock Geothermal HI-01, LLC	NM	58629	PB02	0.4	Geothermal	GEO	BT
2013	12	58581	Lightning Dock Geothermal HI-01, LLC	IPP	Lightning Dock Geothermal HI-01, LLC	NM	58629	PB03	0.4	Geothermal	GEO	BT
2013	12	58581	Lightning Dock Geothermal HI-01, LLC	IPP	Lightning Dock Geothermal HI-01, LLC	NM	58629	PB04	0.4	Geothermal	GEO	BT
2013	12	11018	Lincoln Electric System	Electric Utility	Terry Bundy Generating Station	NE	7887	LF1	1.6	Landfill Gas	LFG	IC
2013	12	11018	Lincoln Electric System	Electric Utility	Terry Bundy Generating Station	NE	7887	LF2	1.6	Landfill Gas	LFG	IC
2013	12	11018	Lincoln Electric System	Electric Utility	Terry Bundy Generating Station	NE	7887	LF3	1.6	Landfill Gas	LFG	IC
2013	12	58323	Moore Solar Farm LLC	IPP	Moore Solar Farm	NC	58337	1	5.0	Solar Photovoltaic	SUN	PV
2013	12	57499	NRG Energy Services	IPP	Ivanpah 1	CA	57074	ST1	125.0	Solar Thermal without Energy Storage	SUN	ST
2013	12	57499	NRG Energy Services	IPP	Ivanpah 2	CA	57073	ST1	133.0	Solar Thermal without Energy Storage	SUN	ST
2013	12	57499	NRG Energy Services	IPP	Ivanpah 3	CA	57075	ST1	133.0	Solar Thermal without Energy Storage	SUN	ST
2013	12	58197	Newberry Solar 1 LLC	IPP	Newberry Solar 1 LLC	CA	58226	1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58515	NextEra Energy Mountain View Solar	IPP	Mountain View Solar	NV	58544	1	20.0	Solar Photovoltaic	SUN	PV
2013	12	58341	Nippon Paper Industries USA	Industrial	NPI USA Cogeneration Plant	WA	58352	G-11	20.0	Wood/Wood Waste Biomass	WDS	ST
2013	12	55868	Noble Wind Operations LLC	IPP	Noble Bellmont Windpark LLC	NY	56903	1	21.0	Onshore Wind Turbine	WND	WT
2013	12	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Hope Utility	AK	7485	PG1A	1.0	Petroleum Liquids	DFO	IC
2013	12	58489	OCI Solar Power	IPP	OCI Alamo Solar I	TX	58537	1	40.7	Solar Photovoltaic	SUN	PV
2013	12	34691	Ormat Nevada Inc	IPP	Wild Rose Geothermal Power Plant	NV	58533	1	8.8	Geothermal	GEO	BT
2013	12	58245	Patua Project LLC	IPP	Patua Geothermal Project Phase 1A	NV	58319	1	10.0	Geothermal	GEO	BT
2013	12	58245	Patua Project LLC	IPP	Patua Geothermal Project Phase 1A	NV	58319	3	10.0	Geothermal	GEO	BT
2013	12	58245	Patua Project LLC	IPP	Patua Geothermal Project Phase 1A	NV	58319	5	10.0	Geothermal	GEO	BT
2013	12	58539	Pheasant Run Wind LLC	IPP	Pheasant Run Wind LLC	MI	58580	1	74.8	Onshore Wind Turbine	WND	WT
2013	12	56205	Philadelphia Water Department	Commercial	PWD Northeast WPCP Biogas Cogen Plant	PA	58326	NBG1	1.4	Other Waste Biomass	OBG	IC
2013	12	56205	Philadelphia Water Department	Commercial	PWD Northeast WPCP Biogas Cogen Plant	PA	58326	NBG2	1.4	Other Waste Biomass	OBG	IC
2013	12	56205	Philadelphia Water Department	Commercial	PWD Northeast WPCP Biogas Cogen Plant	PA	58326	NBG3	1.4	Other Waste Biomass	OBG	IC
2013	12	56205	Philadelphia Water Department	Commercial	PWD Northeast WPCP Biogas Cogen Plant	PA	58326	NBG4	1.4	Other Waste Biomass	OBG	IC
2013	12	56067	Plainfield Renewable Energy, LLC	IPP	Plainfield Renewable Energy LLC	CT	56847	STG	37.5	Wood/Wood Waste Biomass	WDS	ST
2013	12	58482	RE Columbia 3 LLC	IPP	Columbia 3	CA	58502	COL3	10.0	Solar Photovoltaic	SUN	PV
2013	12	58481	RE Gillespie 1 LLC	IPP	Gillespie 1	AZ	58501	GILL1	15.0	Solar Photovoltaic	SUN	PV
2013	12	58480	RE Rio Grande, LLC	IPP	Rio Grande	CA	58500	RIO	5.0	Solar Photovoltaic	SUN	PV
2013	12	58478	RE Rosamond One LLC	IPP	Rosamond One	CA	58498	RON	20.0	Solar Photovoltaic	SUN	PV
2013	12	58479	RE Rosamond Two LLC	IPP	Rosamond Two	CA	58499	RTWO	20.0	Solar Photovoltaic	SUN	PV
2013	12	58175	RE Victor Phelan Solar One LLC	IPP	RE Victor Phelan Solar One LLC	CA	58202	VPS1	20.0	Solar Photovoltaic	SUN	PV
2013	12	58582	RP Wind LLC	IPP	RP Wind	OH	58630	RPOH	3.4	Onshore Wind Turbine	WND	WT
2013	12	58580	Simon Solar Farm LLC	IPP	Simon Solar Farm LLC	GA	58628	SRSSF	30.0	Solar Photovoltaic	SUN	PV
2013	12	58575	Sol Orchard Imperial 1, LLC	IPP	Sol Orchard EI Centro PV	CA	58621	ECPV	20.0	Solar Photovoltaic	SUN	PV
2013	12	57469	Stony Creek Wind Farm NY	IPP	Stony Creek Wind Farm NY	NY	58088	1	94.4	Onshore Wind Turbine	WND	WT
2013	12	56641	Tonopah Solar Energy LLC	IPP	Crescent Dunes Solar Energy	NV	57275	TSE-1	110.0	Solar Thermal with Energy Storage	SUN	CP
2013	12	58269	Tulare PV II LLC	IPP	Kingsburg Solar	CA	58304	1	1.5	Solar Photovoltaic	SUN	PV
2013	12	58269	Tulare PV II LLC	IPP	Kingsburg Solar	CA	58304	2	1.5	Solar Photovoltaic	SUN	PV
2013	12	58269	Tulare PV II LLC	IPP	Kingsburg Solar	CA	58304	3	0.7	Solar Photovoltaic	SUN	PV
2013	12	57081	Washington Gas Energy Systems, Inc.	IPP	Marshfield PV	MA	58410	SO03	3.0	Solar Photovoltaic	SUN	PV
2013	12	57081	Washington Gas Energy Systems, Inc.	IPP	Maynard PV	MA	58412	SO026	1.0	Solar Photovoltaic	SUN	PV
2013	12	58329	Yanceyville Farm LLC	IPP	Yanceyville Farm	NC	58343	1	5.0	Solar Photovoltaic	SUN	PV
2014	1	221	Alaska Village Elec Coop, Inc	Electric Utility	Togjak	AK	6348	5A	0.8	Petroleum Liquids	DFO	IC
2014	1	58433	Ameresco Forward, LLC	IPP	Ameresco Forward	CA	58437	ENG1	2.1	Landfill Gas	LFG	IC
2014	1	58433	Ameresco Forward, LLC	IPP	Ameresco Forward	CA	58437	ENG2	2.1	Landfill Gas	LFG	IC
2014	1	58521	BIOFarm USA Inc	IPP	Oshkosh Foundation Rosedale Biodigester LLC	WI	58555	95100	1.4	Other Waste Biomass	OBG	IC
2014	1	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	02	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	1	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	03	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	1	58440	CD US Solar MT 2 LLC	IPP	Watts 3115	CA	58454	2	0.5	Solar Photovoltaic	SUN	PV
2014	1	57414	Eli Lilly and Company	Industrial	Lilly Technical Center	IN	58043	5	1.0	All Other	PUR	ST
2014	1	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL15	13.9	Solar Photovoltaic	SUN	PV
2014	1	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL18	29.0	Solar Photovoltaic	SUN	PV
2014	1	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TP23	151.9	Solar Photovoltaic	SUN	PV
2014	1	58596	Hanwha Q CELLS USA	IPP	Kalaeloa Renewable Energy Park	HI	58651	KREP	5.0	Solar Photovoltaic	SUN	PV
2014	1	49893	Invenegy Services LLC	IPP	Prairie Breeze	NE	58322	1	206.5	Onshore Wind Turbine	WND	WT

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	Energy Source Code	Prime Mover Code
2014	1	34691	Ormat Nevada Inc	IPP	Heber Solar	CA	58398	1	10.0	Solar Photovoltaic	SUN	PV
2014	1	50102	Rock-Tenn Company	Industrial	Rock-Tenn Mill	AL	54763	4TG	30.0	Wood/Wood Waste Biomass	BLQ	ST
2014	1	58593	Sequoia PV 1 LLC	IPP	Tulare 1 and 2	CA	58642	1	1.5	Solar Photovoltaic	SUN	PV
2014	1	58593	Sequoia PV 1 LLC	IPP	Tulare 1 and 2	CA	58642	2	1.5	Solar Photovoltaic	SUN	PV
2014	1	58418	State Fair Community College	IPP	Missouri Center for Waste to Energy	MO	58421	320	1.0	Landfill Gas	LFG	IC
2014	1	58418	State Fair Community College	IPP	Missouri Center for Waste to Energy	MO	58421	420	1.4	Landfill Gas	LFG	IC
2014	1	2770	Terra-Gen Operating Co LLC	IPP	Alta Wind X	CA	58394	AW10	138.0	Onshore Wind Turbine	WND	WT
2014	1	2770	Terra-Gen Operating Co LLC	IPP	Alta Wind XI	CA	58395	AW11	90.0	Onshore Wind Turbine	WND	WT
2014	1	58268	Tulare PV I LLC	IPP	Exeter Solar	CA	58306	1	1.0	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Exeter Solar	CA	58306	2	1.0	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Exeter Solar	CA	58306	3	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Ivanhoe Solar	CA	58307	1	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Ivanhoe Solar	CA	58307	2	0.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Ivanhoe Solar	CA	58307	3	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Lindsay Solar	CA	58308	1	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Lindsay Solar	CA	58308	3	1.5	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Lindsay Solar	CA	58308	4	1.0	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Porterville Solar	CA	58309	1	1.0	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Porterville Solar	CA	58309	2	1.0	Solar Photovoltaic	SUN	PV
2014	1	58268	Tulare PV I LLC	IPP	Porterville Solar	CA	58309	5	1.5	Solar Photovoltaic	SUN	PV
2014	1	58604	US Air Force	Commercial	Cape Cod Air Force Station - 6 SWS	MA	58661	GE-3	1.7	Onshore Wind Turbine	WND	WT
2014	1	58604	US Air Force	Commercial	Cape Cod Air Force Station - 6 SWS	MA	58661	GE-4	1.7	Onshore Wind Turbine	WND	WT
2014	1	58568	Westlands Solar Farms, LLC	IPP	Westlands Solar PV Farm	CA	58616	WFSF1	18.0	Solar Photovoltaic	SUN	PV
2014	2	58462	Battery Utility of Ohio LLC	IPP	Battery Utility of Ohio	OH	58475	BOU	4.0	Batteries	MWH	BA
2014	2	56769	Consolidated Edison Development Inc.	IPP	Frenchtown III Solar	NJ	58564	F3NJ	7.9	Solar Photovoltaic	SUN	PV
2014	2	56615	First Solar Energy LLC	IPP	Agua Caliente Solar Project	AZ	57373	AGU3	110.0	Solar Photovoltaic	SUN	PV
2014	2	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL5	25.2	Solar Photovoltaic	SUN	PV
2014	2	19558	Homer Electric Assn Inc	Electric Utility	Soldotna	AK	57206	1	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	2	11208	Los Angeles Department of Water & Power	Electric Utility	Maclay Solar Project	CA	57308	1	2.2	Solar Photovoltaic	SUN	PV
2014	2	58326	Roxboro Farm LLC	IPP	Roxboro Farm	NC	58340	1	5.0	Solar Photovoltaic	SUN	PV
2014	3	58432	Ameresco San Joaquin, LLC	IPP	Ameresco San Joaquin	CA	58436	ENG1	2.1	Landfill Gas	LFG	IC
2014	3	58432	Ameresco San Joaquin, LLC	IPP	Ameresco San Joaquin	CA	58436	ENG2	2.1	Landfill Gas	LFG	IC
2014	3	58431	Ameresco Vasco Road, LLC	IPP	Ameresco Vasco Road	CA	58435	ENG1	2.1	Landfill Gas	LFG	IC
2014	3	58431	Ameresco Vasco Road, LLC	IPP	Ameresco Vasco Road	CA	58435	ENG2	2.1	Landfill Gas	LFG	IC
2014	3	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE5	18.6	Solar Photovoltaic	SUN	PV
2014	3	56769	Consolidated Edison Development Inc.	IPP	Merrimac Solar	MA	58561	MSMA	1.5	Solar Photovoltaic	SUN	PV
2014	3	58135	Ecos Energy LLC	IPP	Bear Creek Solar	CA	58508	PV3	1.5	Solar Photovoltaic	SUN	PV
2014	3	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	1	1.2	Conventional Hydroelectric	WAT	HY
2014	3	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	2	1.2	Conventional Hydroelectric	WAT	HY
2014	3	6169	Fall River Rural Elec Coop Inc	Electric Utility	Chester Diversion Hydroelectric Project	ID	56893	3	1.2	Conventional Hydroelectric	WAT	HY
2014	3	56615	First Solar Energy LLC	IPP	AV Solar Ranch One	CA	57378	AVSR	230.0	Solar Photovoltaic	SUN	PV
2014	3	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ4	71.8	Solar Photovoltaic	SUN	PV
2014	3	58256	Millbury Solar LLC	IPP	Millbury Solar	MA	58280	1	3.0	Solar Photovoltaic	SUN	PV
2014	3	58325	New Bern Farm LLC	IPP	New Bern Farm	NC	58339	1	5.0	Solar Photovoltaic	SUN	PV
2014	3	54842	WM Renewable Energy LLC	IPP	Metro Methane Recovery Facility	IA	54700	GEN10	1.6	Landfill Gas	LFG	IC
2014	3	54842	WM Renewable Energy LLC	IPP	Metro Methane Recovery Facility	IA	54700	GEN11	1.6	Landfill Gas	LFG	IC
2014	3	54842	WM Renewable Energy LLC	IPP	Metro Methane Recovery Facility	IA	54700	GEN12	1.6	Landfill Gas	LFG	IC
2014	4	56979	Adobe Solar LLC	IPP	FRV Cygnus Solar Project	CA	57651	FRV3	20.0	Solar Photovoltaic	SUN	PV
2014	4	58567	Blue Renewable Energy IMS, LLC	IPP	Indianapolis Motor Speedway Solar PV	IN	58615	IMS	9.0	Solar Photovoltaic	SUN	PV
2014	4	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE6	25.6	Solar Photovoltaic	SUN	PV
2014	4	57365	Consolidated Edison Solutions Inc	IPP	Port Richmond WWT Solar	NY	58647	1	1.0	Solar Photovoltaic	SUN	PV
2014	4	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0001	1.0	Conventional Hydroelectric	WAT	HY
2014	4	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0002	1.0	Conventional Hydroelectric	WAT	HY
2014	4	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0003	1.0	Conventional Hydroelectric	WAT	HY
2014	4	58135	Ecos Energy LLC	IPP	Kettleman Solar Project	CA	58510	PV5	1.0	Solar Photovoltaic	SUN	PV
2014	4	58135	Ecos Energy LLC	IPP	Vintner Solar	CA	58509	PV4	1.5	Solar Photovoltaic	SUN	PV
2014	4	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL6	25.2	Solar Photovoltaic	SUN	PV
2014	4	56723	Genesis Solar LLC	IPP	Genesis Solar Energy Project	CA	57394	GEN01	125.0	Solar Thermal without Energy Storage	SUN	ST
2014	4	56167	Imperial Valley Solar, LLC	IPP	Imperial Valley Solar, LLC	CA	56917	1A	99.0	Solar Photovoltaic	SUN	PV
2014	4	58322	Mile Farm LLC	IPP	Mile Farm	NC	58336	1	5.0	Solar Photovoltaic	SUN	PV
2014	4	58579	Silverado Power	IPP	Western Antelope Dry Ranch	CA	58627	WADR	10.0	Solar Photovoltaic	SUN	PV
2014	4	57331	Soitec Solar Development LLC	IPP	Desert Green Solar Farm LLC	CA	57959	1	5.0	Solar Photovoltaic	SUN	PV
2014	4	58518	Sol Orchard Community, LLC	IPP	Community Solar 1	CA	58545	1	5.0	Solar Photovoltaic	SUN	PV
2014	4	57355	Stephens Ranch Wind Energy LLC	IPP	Stephens Ranch Wind Energy LLC	TX	57983	1	377.5	Onshore Wind Turbine	WND	WT
2014	4	5109	The DTE Electric Company	Electric Utility	Echo Wind Park	MI	58121	GEN1	112.0	Onshore Wind Turbine	WND	WT
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	1	1.6	Landfill Gas	LFG	IC
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	2	1.6	Landfill Gas	LFG	IC
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	3	1.6	Landfill Gas	LFG	IC
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	4	1.6	Landfill Gas	LFG	IC
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	5	1.6	Landfill Gas	LFG	IC
2014	4	58502	Uwharrie Mountain Renewable Energy, LLC	IPP	Uwharrie Mountain Renewable	NC	58526	6	1.6	Landfill Gas	LFG	IC
2014	5	58262	Belectric Inc	IPP	Zuni Road North Solar Farm	CA	58285	ZNPV	1.5	Solar Photovoltaic	SUN	PV
2014	5	58262	Belectric Inc	IPP	Zuni Road South Solar Farm	CA	58286	ZSPV	1.5	Solar Photovoltaic	SUN	PV
2014	5	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL7	20.2	Solar Photovoltaic	SUN	PV
2014	5	8153	Hartford Steam Co	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN4	1.4	Other Natural Gas	NG	FC
2014	5	58576	Holstein Holdings, LLC	IPP	Holstein Plant	NC	58623	PV1	20.0	Solar Photovoltaic	SUN	PV
2014	5	12686	Mississippi Power Co	Electric Utility	Kemper County IGCC Project	MS	57037	1A	157.6	Coal Integrated Gasification Combined Cycle	SGC	CT
2014	5	12686	Mississippi Power Co	Electric Utility	Kemper County IGCC Project	MS	57037	1B	157.6	Coal Integrated Gasification Combined Cycle	SGC	CT
2014	5	12686	Mississippi Power Co	Electric Utility	Kemper County IGCC Project	MS	57037	1C	206.5	Coal Integrated Gasification Combined Cycle	SGC	CA
2014	5	14354	PacifiCorp	Electric Utility	Lake Side 2	UT	58393	CT21	178.0	Natural Gas Fired Combined Cycle	NG	CT
2014	5	14354	PacifiCorp	Electric Utility	Lake Side 2	UT	58393	CT22	178.0	Natural Gas Fired Combined Cycle	NG	CT
2014	5	14354	PacifiCorp	Electric Utility	Lake Side 2	UT	58393	ST2	273.0	Natural Gas Fired Combined Cycle	NG	CA
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026D	0.5	Solar Photovoltaic	SUN	PV

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	Energy Source Code	Prime Mover Code
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026H	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026I	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026J	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026K	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026L	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44H	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44I	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44J	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44K	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44L	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44M	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44N	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44O	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44P	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48A	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48B	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48C	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48D	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48E	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48F	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48G	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48H	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48I	0.5	Solar Photovoltaic	SUN	PV
2014	5	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48J	0.5	Solar Photovoltaic	SUN	PV
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	01	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	02	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	03	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	04	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	05	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	06	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	07	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	08	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	09	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	10	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	11	9.0	Other Natural Gas	NG	IC
2014	5	18315	Sunflower Electric Power Corp	Electric Utility	Rubart	KS	58255	12	9.0	Other Natural Gas	NG	IC
2014	5	56999	Western Massachusetts Electric Company	Electric Utility	Cottage Street Solar Facility	MA	58568	PV-3	3.2	Solar Photovoltaic	SUN	PV
2014	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG1	29.3	Conventional Hydroelectric	WAT	HY
2014	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG2	29.3	Conventional Hydroelectric	WAT	HY
2014	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG3	29.3	Conventional Hydroelectric	WAT	HY
2014	6	58262	Belectric Inc	IPP	Venable 1 North	CA	58289	VNPV	1.5	Solar Photovoltaic	SUN	PV
2014	6	58262	Belectric Inc	IPP	Venable 2 South	CA	58290	VSPV	1.5	Solar Photovoltaic	SUN	PV
2014	6	56870	Blue Sky West LLC	IPP	Bingham Wind	ME	57531	1	127.0	Onshore Wind Turbine	WND	WT
2014	6	3370	Channel Energy Center LLC	IPP	Channel Energy Center LLC	TX	55299	CTG3	183.0	Natural Gas Fired Combined Cycle	NG	CT
2014	6	4994	Deer Park Energy Center	Electric CHP	Deer Park Energy Center	TX	55464	CTG6	154.8	Natural Gas Fired Combined Cycle	NG	CT
2014	6	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL8	18.9	Solar Photovoltaic	SUN	PV
2014	6	56615	First Solar Energy LLC		Solar Gen 2	CA	58592	ALHM	51.7	Solar Photovoltaic	SUN	PV
2014	6	56615	First Solar Energy LLC		Solar Gen 2	CA	58592	ARK	51.7	Solar Photovoltaic	SUN	PV
2014	6	56615	First Solar Energy LLC		Solar Gen 2	CA	58592	SONR	51.7	Solar Photovoltaic	SUN	PV
2014	6	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5A	1,212.0	Natural Gas Fired Combined Cycle	NG	CT
2014	6	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5B		Natural Gas Fired Combined Cycle	NG	CT
2014	6	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5C		Natural Gas Fired Combined Cycle	NG	CT
2014	6	6452	Florida Power & Light Co	Electric Utility	Riviera	FL	619	5T		Natural Gas Fired Combined Cycle	NG	CA
2014	6	57475	HOW GM LLC	IPP	HOW GM1	MA	58097	1	3.5	Solar Photovoltaic	SUN	PV
2014	6	56633	Lake Country Wind Energy	IPP	Lake Country Wind Energy	MN	57255	1	40.0	Onshore Wind Turbine	WND	WT
2014	6	11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson	TX	4937	CT-1	162.0	Natural Gas Fired Combined Cycle	NG	CT
2014	6	11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson	TX	4937	CT-2	162.0	Natural Gas Fired Combined Cycle	NG	CT
2014	6	11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson	TX	4937	STG	186.0	Natural Gas Fired Combined Cycle	NG	CA
2014	6	11664	Mark Technologies Corp	IPP	Alta Mesa Project Phase IV	CA	55352	GEN1	40.0	Onshore Wind Turbine	WND	WT
2014	6	58255	Mass Midstate Solar 1 LLC	IPP	Mass Midstate Solar 1	MA	58279	1	5.0	Solar Photovoltaic	SUN	PV
2014	6	58252	Mass Midstate Solar 2 LLC	IPP	Mass Midstate Solar 2	MA	58276	1	5.0	Solar Photovoltaic	SUN	PV
2014	6	58251	Mass Midstate Solar 3 LLC	IPP	Mass Midstate Solar 3	MA	58275	1	4.0	Solar Photovoltaic	SUN	PV
2014	6	58598	Mass Solar, LLC	IPP	North Brookfield	MA	58650	PV1	3.0	Solar Photovoltaic	SUN	PV
2014	6	12670	Missouri Jnt Muni.Pwr Elec. Ut. Comm.	Electric Utility	Fredericktown Energy Center	MO	57946	UNIT1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	6	12670	Missouri Jnt Muni.Pwr Elec. Ut. Comm.	Electric Utility	Fredericktown Energy Center	MO	57946	UNIT2	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	6	57470	Noble Energy Systems, Inc.	IPP	Pea Patch Wind Farm	MD	58087	PEAP	50.0	Onshore Wind Turbine	WND	WT
2014	6	58388	Pantex (NNSA)	Commercial	Pantex	TX	58404	1	11.5	Onshore Wind Turbine	WND	WT
2014	6	56545	Pattern Operators LP	IPP	Pattern Panhandle Wind LLC	TX	58242	1	218.0	Onshore Wind Turbine	WND	WT
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	1	4.0	Landfill Gas	LFG	GT
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	2	4.0	Landfill Gas	LFG	GT
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	3	4.0	Landfill Gas	LFG	GT
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	4	4.0	Landfill Gas	LFG	GT
2014	6	58426	Sunshine Gas Producers LLC	IPP	Sunshine Gas Producers	CA	58429	5	4.0	Landfill Gas	LFG	GT
2014	6	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS50	49.9	Solar Photovoltaic	SUN	PV
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN10	2.0	Other Natural Gas	NG	IC
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN7	2.0	Other Natural Gas	NG	IC
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN8	2.0	Other Natural Gas	NG	IC
2014	6	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN9	2.0	Other Natural Gas	NG	IC
2014	6	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH5	0.5	Landfill Gas	LFG	IC
2014	6	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH6	0.5	Landfill Gas	LFG	IC
2014	6	58494	WSACC	IPP	WSACC Power Generation Facility	NC	58518	1	0.8	Other Waste Biomass	SLW	ST
2014	6	56236	West Deptford Energy LLC	IPP	West Deptford Energy Station	NJ	56963	E101	304.0	Other Natural Gas	NG	CC
2014	6	56236	West Deptford Energy LLC	IPP	West Deptford Energy Station	NJ	56963	E102	304.0	Other Natural Gas	NG	CC
2014	7	58262	Belectric Inc	IPP	Gales A - West	CA	58287	GWPV	1.5	Solar Photovoltaic	SUN	PV

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	Energy Source Code	Prime Mover Code
2014	7	58262	Belectric Inc	IPP	Gales B - East	CA	58288	GEV1	1.5	Solar Photovoltaic	SUN	PV
2014	7	20069	City of Wamego - (KS)	Electric Utility	Wamego	KS	1328	10	2.9	Other Natural Gas	NG	IC
2014	7	56660	Mojave Solar LLC	IPP	Mojave Solar Project	CA	57331	MSP1	125.0	Solar Thermal without Energy Storage	SUN	ST
2014	7	56660	Mojave Solar LLC	IPP	Mojave Solar Project	CA	57331	MSP2	125.0	Solar Thermal without Energy Storage	SUN	ST
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	NG	CT
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	NG	CT
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	NG	CA
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	NG	CT
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	NG	CT
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	NG	CA
2014	8	58503	Garnet Solar Power Station 1 LLC	IPP	Garnet Solar Power Station 1 LLC	CA	58528	WDT44	4.0	Solar Photovoltaic	SUN	PV
2014	8	10071	Kauai Island Utility Cooperative	Electric Utility	KRS II Koloa Solar	HI	58640	KOLPV	12.0	Solar Photovoltaic	SUN	PV
2014	9	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	1	35.0	Conventional Hydroelectric	WAT	HY
2014	9	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	2	35.0	Conventional Hydroelectric	WAT	HY
2014	9	7977	City of Hamilton - (OH)	Electric Utility	Meldahl Hydroelectric Project	KY	56872	3	35.0	Conventional Hydroelectric	WAT	HY
2014	9	11268	City of Lowell - (MI)	Electric Utility	Chatham	MI	58254	CT02R	3.2	Natural Gas Fired Combustion Turbine	NG	GT
2014	9	58259	Freetown Solar LLC	IPP	Freetown Solar	MA	58283	1	5.0	Solar Photovoltaic	SUN	PV
2014	9	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN10	1.6	Landfill Gas	LFG	IC
2014	9	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN11	1.6	Landfill Gas	LFG	IC
2014	9	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN12	1.6	Landfill Gas	LFG	IC
2014	9	54842	WM Renewable Energy LLC	IPP	Waste Management Columbia Ridge LFGTE	OR	57015	GEN9	1.6	Landfill Gas	LFG	IC
2014	10	56702	510 REPP One LLC	IPP	510 REPP One	NC	57363	1	1.3	Solar Photovoltaic	SUN	PV
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	01A	40.0	Natural Gas Fired Combined Cycle	NG	CT
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	01B	40.0	Natural Gas Fired Combined Cycle	NG	CT
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	01C	20.0	All Other	WH	CA
2014	10	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	02A	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	10	58562	Blueberry One, LLC	IPP	Blueberry One	NC	58605	PV01	5.0	Solar Photovoltaic	SUN	PV
2014	10	56615	First Solar Energy LLC	IPP	Desert Sunlight 300, LLC	CA	57993	DSL9	22.7	Solar Photovoltaic	SUN	PV
2014	10	56625	Flat Water Wind Farm LLC	IPP	Flat Water Wind Farm	NE	57283	WTG2	10.5	Onshore Wind Turbine	WND	WT
2014	10	57389	IKEA Property Inc	IPP	Copper Mountain Solar 2	NV	58017	PV04	30.0	Solar Photovoltaic	SUN	PV
2014	10	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	58573	CT1	155.7	Natural Gas Fired Combined Cycle	NG	CT
2014	10	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	58573	CT2	155.7	Natural Gas Fired Combined Cycle	NG	CT
2014	10	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	58573	ST1	129.6	Other Natural Gas	NG	ST
2014	10	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	58573	ST2	129.6	Other Natural Gas	NG	ST
2014	10	56724	Klamath Falls Bioenergy LLC	IPP	Klamath Falls Bioenergy Facility	OR	57388	EU1	37.0	Wood/Wood Waste Biomass	WDS	ST
2014	11	56615	First Solar Energy LLC	IPP	Desert Sunlight 250, LLC	CA	58542	DSL19	25.2	Solar Photovoltaic	SUN	PV
2014	11	7570	Great River Energy	Electric Utility	Spiritwood Station	ND	56786	1	62.0	Conventional Steam Coal	LIG	ST
2014	11	58565	Saddleback Ridge Wind, LLC	IPP	Saddleback Ridge Wind Farm	ME	58608	SRW1	34.2	Onshore Wind Turbine	WND	WT
2014	11	58579	Silverado Power	IPP	Western Antelope Blue Sky Ranch A	CA	58626	WABSA	20.0	Solar Photovoltaic	SUN	PV
2014	12	58411	Agincourt Solar Project	IPP	Agincourt Solar Project	CA	58415	1	10.0	Solar Photovoltaic	SUN	PV
2014	12	57003	Arlington Valley Solar Energy LLC	IPP	Arlington Valley Solar Energy I	AZ	57679	AVSE1	125.0	Solar Photovoltaic	SUN	PV
2014	12	56524	Baca Energy LLC	IPP	Baca Renewable Energy LLC	CO	57175	BACA1	60.0	Onshore Wind Turbine	WND	WT
2014	12	57009	Blue Chip Energy LLC	IPP	Sorrento	FL	57686	1	40.0	Solar Photovoltaic	SUN	PV
2014	12	56215	E ON Climate Renewables N America LLC	IPP	Grandview Wind Farm, LLC	TX	58596	GRVW1	200.6	Onshore Wind Turbine	WND	WT
2014	12	56215	E ON Climate Renewables N America LLC	IPP	Patriot Wind Farm	TX	58614	PAT1	178.5	Onshore Wind Turbine	WND	WT
2014	12	49932	Enel North America, Inc.	IPP	Courtenay Wind Farm	ND	58658	1	200.0	Onshore Wind Turbine	WND	WT
2014	12	28086	Energy Unlimited Inc	IPP	Painted Hills IV Wind	CA	56926	1	19.5	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Badger Peak	ID	57148	BP	20.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Bonanza Bar	ID	57149	BBAR	20.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Chapin Mountain	ID	57142	CM	19.5	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Conner Ridge	ID	57147	CR	19.5	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Cottonwood Wind Park	ID	57144	JR20	20.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Deep Creek Wind Park	ID	57146	JR1	20.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Lava Beds Wind Park LLC	ID	56436	LBWP	18.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Notch Butte Wind Park	ID	56438	NBWP	18.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Rogerson Flats	ID	57145	RF	20.0	Onshore Wind Turbine	WND	WT
2014	12	50127	Exergy Development Group	IPP	Salmon Creek	ID	57150	SC	20.0	Onshore Wind Turbine	WND	WT
2014	12	56029	Fibrowatt LLC	IPP	FibroCoast	NC	56816	FC1	55.0	Other Waste Biomass	OBS	ST
2014	12	58146	Gaelectric LLC	IPP	Jawbone Wind Project	MT	58175	JWPI	131.1	Onshore Wind Turbine	WND	WT
2014	12	58412	Headwaters Wind Farm LLC	IPP	Headwaters Wind Farm LLC	IN	58416	1	100.0	Onshore Wind Turbine	WND	WT
2014	12	56946	Hidalgo Wind Farm LLC	IPP	Hidalgo Wind Farm LLC	TX	57617	GEN1	100.0	Onshore Wind Turbine	WND	WT
2014	12	57389	IKEA Property Inc	IPP	Copper Mountain Solar 2	NV	58017	PV05	30.0	Solar Photovoltaic	SUN	PV
2014	12	15399	Iberdrola Renewables Inc	IPP	Dolan Springs	AZ	57920	1	350.0	Onshore Wind Turbine	WND	WT
2014	12	15399	Iberdrola Renewables Inc	IPP	El Cabo Wind	NM	58098	1	298.0	Onshore Wind Turbine	WND	WT
2014	12	15399	Iberdrola Renewables Inc	IPP	Kettleman Solar	CA	57921	1	22.0	Solar Photovoltaic	SUN	PV
2014	12	15399	Iberdrola Renewables Inc	IPP	Klamath Solar	OR	57924	1	5.0	Solar Photovoltaic	SUN	PV
2014	12	15399	Iberdrola Renewables Inc	IPP	Montague Wind Power Facility LLC	OR	58099	1	404.0	Onshore Wind Turbine	WND	WT
2014	12	15399	Iberdrola Renewables Inc	IPP	Penascal III	TX	57927	1	201.6	Onshore Wind Turbine	WND	WT
2014	12	15399	Iberdrola Renewables Inc	IPP	Tierra Bonita Solar	CA	57923	1	22.0	Solar Photovoltaic	SUN	PV
2014	12	15399	Iberdrola Renewables Inc	IPP	Tule Wind LLC	CA	57913	1	110.0	Onshore Wind Turbine	WND	WT
2014	12	56167	Imperial Valley Solar, LLC	IPP	Imperial Valley Solar, LLC	CA	56917	2	400.0	Solar Photovoltaic	SUN	PV
2014	12	56743	K Road Calico Solar, LLC	IPP	K Road Calico Solar	CA	57416	01	275.0	Solar Photovoltaic	SUN	PV
2014	12	57193	K Road Moapa Solar LLC	IPP	K Road Moapa Solar	NV	57859	1	200.0	Solar Photovoltaic	SUN	PV
2014	12	56911	Kalaialoa Solar One LLC	IPP	Kalaialoa Solar One	HI	57569	KS1-A	3.1	Solar Thermal with Energy Storage	SUN	CP
2014	12	56911	Kalaialoa Solar One LLC	IPP	Kalaialoa Solar One	HI	57569	KS1-B	3.1	Solar Thermal with Energy Storage	SUN	CP
2014	12	49736	Loring Holdings, LLC	Electric CHP	Loring Power Plant	ME	56105	GTG1	37.0	Natural Gas Fired Combined Cycle	NG	CT
2014	12	49736	Loring Holdings, LLC	Electric CHP	Loring Power Plant	ME	56105	STG1	18.0	Natural Gas Fired Combined Cycle	NG	CA
2014	12	58413	Marathon Solar Project	IPP	Marathon Solar Project	CA	58417	CP1	20.0	Solar Photovoltaic	SUN	PV
2014	12	56873	Milford Wind Corridor Phase III LLC	IPP	Milford Wind Corridor Phase III	UT	57546	1	100.0	Onshore Wind Turbine	WND	WT
2014	12	58477	O2energies, Inc.	IPP	Montgomery Solar LLC	NC	58649	1	20.0	Solar Photovoltaic	SUN	PV
2014	12	56061	Reedsport OPT Wave Park LLC	IPP	Reedsport OPT Wave Park	OR	56906	1	1.5		WAT	HB
2014	12	56980	Regulus Solar LP	IPP	FRV Regulus Solar Project	CA	57650	FRV4	60.0	Solar Photovoltaic	SUN	PV
2014	12	57331	Soitec Solar Development LLC	IPP	LanEast Solar Farm LLC	CA	57957	1	20.2	Solar Photovoltaic	SUN	PV
2014	12	57331	Soitec Solar Development LLC	IPP	LanWest Solar Farm LLC	CA	57958	1	5.4	Solar Photovoltaic	SUN	PV
2014	12	57331	Soitec Solar Development LLC	IPP	Rugged Solar LLC	CA	57960	1	80.0	Solar Photovoltaic	SUN	PV
2014	12	57331	Soitec Solar Development LLC	IPP	Tierra Del Sol Solar Farm LLC	CA	57961	1	45.0	Solar Photovoltaic	SUN	PV
2014	12	56789	TBE Montgomery LLC	IPP	TBE-Montgomery LLC	NY	57472	CTG	11.6	Coal Integrated Gasification Combined Cycle	SGC	CT
2014	12	56789	TBE Montgomery LLC	IPP	TBE-Montgomery LLC	NY	57472	STG	7.7	All Other	WH	CA
2014	12	2782	Terra-Gen Operating Company	IPP	Dixie Valley Power Partnership	NV	10681	GEN1	25.0	Geothermal	GEO	ST
2014	12	58361	Triton College	Commercial	Triton East and West Cogen	IL	58375	5	0.4	Other Natural Gas	NG	IC
2014	12	58414	Victor Dry Farm Ranch	IPP	Victor Dry Farm Ranch A	CA	58418	1	5.0	Solar Photovoltaic	SUN	PV
2014	12	58414	Victor Dry Farm Ranch	IPP	Victor Dry Farm Ranch B	CA	58419	1	5.0	Solar Photovoltaic	SUN	PV
2014	12	19876	Virginia Electric & Power Co	Electric Utility	Warren County VA	VA	55939	CT01	256.0	Natural Gas Fired Combined Cycle	NG	CT
2014	12	19876	Virginia Electric & Power Co	Electric Utility	Warren County VA	VA	55939	CT02	256.0	Natural Gas Fired Combined Cycle	NG	CT
2014	12	19876	Virginia Electric & Power Co	Electric Utility	Warren County VA	VA	55939	CT03	256.0	Natural Gas Fired Combined Cycle	NG	CT
2014	12	19876	Virginia Electric & Power Co	Electric Utility	Warren County VA	VA	55939	ST01	561.0	Natural Gas Fired Combined Cycle	NG	CA
2014	12	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFGTE	CA	57164	GEN1	1.6	Landfill Gas	LFG	IC
2014	12	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFGTE	CA	57164	GEN2	1.6	Landfill Gas	LFG	IC
2014	12	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFGTE	CA	57164	GEN3	1.6	Landfill Gas	LFG	IC
2014	12	56948	Waverly Wind Farm LLC	IPP	Waverly Wind Farm LLC	KS	57614	GEN1	200.0	Onshore Wind Turbine	WND	WT
2014	12	56060	Western GeoPower Inc	IPP	Western GeoPower Unit 1	CA	56907	TBD	22.5	Geothermal	GEO	ST
2015	1	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG1	25.3	Conventional Hydroelectric	WAT	HY
2015	1	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	02	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	03	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	2719	CalWind Resources Inc	IPP	Tehachapi Wind Resource II	CA	54909	PLAN	15.5	Onshore Wind Turbine	WND	WT
2015	1	56339	Champlain Wind LLC	IPP	Bowers Wind Project	ME	57088	1	48.0	Onshore Wind Turbine	WND	WT
2015	1	58391	Chilocco Wind Farm LLC	IPP	Chilocco Wind Farm	OK	58406	1	76.5	Onshore Wind Turbine	WND	WT
2015	1	58391	Chilocco Wind Farm LLC	IPP	Chilocco Wind Farm	OK	58406	2	76.5	Onshore Wind Turbine	WND	WT
2015	1	5701	EI Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-1	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	5701	EI Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-2	100.0	Natural Gas Fired		

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	Energy Source Code	Prime Mover Code
2015	1	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-3	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	5701	El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-4	100.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	1	25438	Friant Power Authority	IPP	Friant Hydro Facility	CA	50393	RO2	9.0	Conventional Hydroelectric	WAT	HY
2015	1	58606	Mauka Fit One LLC	IPP	Mauka FIT One	HI	58662	3501	3.5	Solar Photovoltaic	SUN	PV
2015	1	57028	West Butte Wind Power LLC	IPP	West Butte Wind Power Project	OR	57704	WB-1	80.0	Onshore Wind Turbine	WND	WT
2015	2	40577	American Mun Power-Ohio, Inc	Electric Utility	Willow Island Hydroelectric Plant	WV	57401	WIG1	22.0	Conventional Hydroelectric	WAT	HY
2015	2	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ5	166.0	Solar Photovoltaic	SUN	PV
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	1	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	10	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	11	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	12	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	2	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	3	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	4	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	5	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	6	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	7	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	8	18.5	Other Natural Gas	NG	IC
2015	2	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	9	18.5	Other Natural Gas	NG	IC
2015	3	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG2	25.3	Conventional Hydroelectric	WAT	HY
2015	3	40577	American Mun Power-Ohio, Inc	Electric Utility	Willow Island Hydroelectric Plant	WV	57401	WIG2	22.0	Conventional Hydroelectric	WAT	HY
2015	3	57277	Hidden Hills Solar I LLC	IPP	Hidden Hills Solar Plant 1	CA	57905	1	250.0	Solar Thermal without Energy Storage	SUN	ST
2015	3	10071	Kauai Island Utility Cooperative	Electric Utility	KRS I Anahola Solar	HI	58639	ANAPV	12.0	Solar Photovoltaic	SUN	PV
2015	3	12199	Montana-Dakota Utilities Co	Electric Utility	R M Heskett	ND	2790	3	88.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	3	58589	Orbit Energy Charlotte	IPP	Orbit Energy Charlotte	NC	58638	1	2.0	Other Waste Biomass	OBG	ST
2015	3	58655	Performance Services	IPP	Purdue Energy Park	IN	57518	1	20.0	Onshore Wind Turbine	WND	WT
2015	3	15248	Portland General Electric Co	Electric Utility	Tucannon River Wind Farm	WA	58571	1	266.8	Onshore Wind Turbine	WND	WT
2015	3	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-1	0.5	Solar Photovoltaic	SUN	PV
2015	3	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-2	0.5	Solar Photovoltaic	SUN	PV
2015	3	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-3	0.5	Solar Photovoltaic	SUN	PV
2015	3	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-4	0.5	Solar Photovoltaic	SUN	PV
2015	3	58601	Waihonu South LLC	IPP	Honbushin Solar Blessings Park	HI	58656	INV-5	0.5	Solar Photovoltaic	SUN	PV
2015	4	58603	Aloha Solar Energy Fund I LLC	IPP	Aloha Solar Energy Fund 1 PK1	HI	58659	PK-1	5.0	Solar Photovoltaic	SUN	PV
2015	4	40577	American Mun Power-Ohio, Inc	Electric Utility	Smithland Hydroelectric Plant	KY	57400	SG3	25.3	Conventional Hydroelectric	WAT	HY
2015	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	1	156.0	Natural Gas Fired Combined Cycle	NG	CT
2015	4	57411	KDC Solar O&M LLC	Commercial	Mountain Creek Solar Facility	NJ	58364	MC	4.6	Solar Photovoltaic	SUN	PV
2015	4	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS51	15.0	Solar Photovoltaic	SUN	PV
2015	5	11241	Entergy Louisiana Inc	Electric Utility	Nine Mile Point	LA	1403	6	561.0	Other Natural Gas	NG	CC
2015	5	11208	Los Angeles Department of Water & Power	Electric Utility	Van Norman Bypass Solar Project	CA	57307	1	3.0	Solar Photovoltaic	SUN	PV
2015	5	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	7	640.0	Other Natural Gas	NG	CC
2015	5	17445	Solid Waste Auth of Palm Beach	Electric Utility	Palm Beach Renewable Energy Facility#2	FL	57898	GEN2	85.0	Municipal Solid Waste	MSW	ST
2015	5	55510	Tiverton Power LLC	IPP	Tiverton Power Plant	RI	55048	UNT3	159.4	Natural Gas Fired Combined Cycle	NG	CT
2015	5	55510	Tiverton Power LLC	IPP	Tiverton Power Plant	RI	55048	UNT4	90.6	Natural Gas Fired Combined Cycle	NG	CA
2015	6	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	GTG1	205.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	GTG2	205.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	STGEN	316.0	Natural Gas Fired Combined Cycle	NG	CA
2015	6	57166	CPV Shore LLC	IPP	Woodbridge Energy Center	NJ	57839	CT001	240.0	Other Natural Gas	NG	CC
2015	6	57166	CPV Shore LLC	IPP	Woodbridge Energy Center	NJ	57839	CT002	240.0	Other Natural Gas	NG	CC
2015	6	2338	Calpine Central LP	IPP	Mankato Energy Center	MN	56104	CTG1	200.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	918	City of Aspen- (CO)	Electric Utility	Castle Creek Hydroplant	CO	56566	1	1.2	Conventional Hydroelectric	WAT	HY
2015	6	19856	City of Vineland - (NJ)	Electric Utility	Clayville	NJ	58235	1	63.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	56691	Garrison Energy Center LLC	IPP	Garrison Energy Center LLC	DE	57349	CTG1	183.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	56691	Garrison Energy Center LLC	IPP	Garrison Energy Center LLC	DE	57349	STG2	126.0	Natural Gas Fired Combined Cycle	NG	CA
2015	6	7801	Gulf Power Co	Electric Utility	Perdido	FL	57502	3	1.5	Landfill Gas	LFG	IC
2015	6	10379	Klamath Generation LLC	Electric CHP	Klamath	OR	56019	CT-1	162.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	10379	Klamath Generation LLC	Electric CHP	Klamath	OR	56019	CT-2	162.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	10379	Klamath Generation LLC	IPP	Klamath	OR	56019	ST-1	220.0	Natural Gas Fired Combined Cycle	NG	CA
2015	6	58588	National Solar Power Partners LLC	IPP	Hardee County Solar Farms 1 LLC	FL	58637	HCSF1	20.0	Solar Photovoltaic	SUN	PV
2015	6	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-3	204.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	CTG-4	204.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	57377	PPG - O&M Panda Temple Power LLC	IPP	Panda Temple Power Station	TX	58001	STG-2	309.0	Natural Gas Fired Combined Cycle	NG	CA
2015	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	10A	122.0	Conventional Hydroelectric	WAT	HY
2015	6	40192	Shady Hills Power Co LLC	IPP	Shady Hills Generating Station	FL	55414	G401	200.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	40192	Shady Hills Power Co LLC	IPP	Shady Hills Generating Station	FL	55414	G501	200.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	58602	Utah Red Hills Renewable Energy Park LLC	IPP	Utah Red Hills Renewable Energy Park	UT	58660	1	80.0	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-1	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-2	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-3	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-4	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-5	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-6	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-7	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-8	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV-9	0.5	Solar Photovoltaic	SUN	PV
2015	6	58600	Waihonu North LLC	IPP	Waihonu North Solar	HI	58655	INV10	0.5	Solar Photovoltaic	SUN	PV
2015	6	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	CTG1	172.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	CTG2	172.0	Natural Gas Fired Combined Cycle	NG	CT
2015	6	20159	Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486	ST1	215.0	Natural Gas Fired Combined Cycle	NG	CA
2015	7	58554	Beryl Solar, LLC	IPP	Beryl Solar Plant	UT	58598	BSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	58557	Buckhorn Solar, LLC	IPP	Buckhorn Solar Plant	UT	58600	BSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	58556	Cedar Valley Solar, LLC	IPP	Cedar Valley Solar Plant	UT	58599	CVSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	58561	Granite Peak Solar, LLC	IPP	Granite Peak Solar Plant	UT	58604	GPSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	58560	Greenville Solar, LLC	IPP	Greenville Solar Plant	UT	58603	GVSP1	2.2	Solar Photovoltaic	SUN	PV
2015	7	57457	Hess NEC, LLC	IPP	Newark Energy Center	NJ	58079	GT-1	200.0	Natural Gas Fired Combined Cycle	NG	CT
2015	7	57457	Hess NEC, LLC	IPP	Newark Energy Center	NJ	58079	GT-2	200.0	Natural Gas Fired Combined Cycle	NG	CT
2015	7	57457	Hess NEC, LLC	IPP	Newark Energy Center	NJ	58079	STG-1	285.0	Natural Gas Fired Combined Cycle	NG	CA
2015	7	58559	Laho Solar, LLC	IPP	Laho Solar Plant	UT	58602	LSP1	3.0	Solar Photovoltaic	SUN	PV
2015	7	11208	Los Angeles Department of Water & Power	Commercial	VA Sepulveda Ambulatory Care Center	CA	58249	GEN1	3.5	Solar Photovoltaic	SUN	PV
2015	7	58558	Milford Flat Solar, LLC	IPP	Milford Flat Solar Plant	UT	58601	MFSF1	3.0	Solar Photovoltaic	SUN	PV
2015	7	14077	Oklahoma Municipal Power Authority	Electric Utility	Charles D. Lamb Energy Center	OK	58325	1	122.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	7	54863	U S Power Generating Company LLC	IPP	Gowanus Gas Turbines Generating	NY	2494	SS	90.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN7	1.6	Landfill Gas	LFG	IC
2015	8	57406	Deepwater Wind Block Island LLC	IPP	Block Island Wind Farm	RI	58035	BIWF	29.3	Offshore Wind Turbine	WND	WS
2015	8	49893	Invenery Services LLC	IPP	Ector County Energy Center	TX	58471	CTG1	163.3	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	49893	Invenery Services LLC	IPP	Ector County Energy Center	TX	58471	CTG2	163.3	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	49805	Kennecott Utah Copper	Industrial	Kennecott Power Plant	UT	56163	MCHP	5.9	Natural Gas Fired Combustion Turbine	NG	GT
2015	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	8A	122.0	Conventional Hydroelectric	WAT	HY
2015	9	56266	Green Gas-Pioneer Crossing Energy LLC	IPP	Pioneer Crossing Landfill Gas to Energy	PA	56957	LFG5	1.6	Landfill Gas	LFG	IC
2015	9	56266	Green Gas-Pioneer Crossing Energy LLC	IPP	Pioneer Crossing Landfill Gas to Energy	PA	56957	LFG6	1.6	Landfill Gas	LFG	IC
2015	9	57278	Hidden Hills Solar II LLC	IPP	Hidden Hills Solar Plant 2	CA	57906	1	250.0	Solar Thermal without Energy Storage	SUN	ST
2015	9	15399	Iberdrola Renewables Inc	Electric CHP	Lakeview Cogeneration LLC	OR	57398	1	24.0	Other Waste Biomass	OBG	ST
2015	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG1	101.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG2	101.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	9	56895	Pio Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG3	101.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	10	56963	Beaver Wood Energy Fair Haven, LLC	Electric CHP	Beaver Wood Energy Fair Haven, LLC	VT	57634	GEN1	29.5	Other Waste Biomass	OBG	ST
2015	10	5580	East Kentucky Power Coop, Inc	Electric Utility	Green Valley LFGTE	KY	56278	4	0.8	Landfill Gas	LFG	IC
2015	10	56282	Evergreen Wind Power II LLC	IPP	Oakfield Wind Project	ME	57002	1	148.0	Onshore Wind Turbine	WND	WT
2015	10	56791	Hudson Ranch Power II LLC	IPP	Hudson Ranch Power II LLC	CA	58211	HR2	49.0	Geothermal	GEO	ST
2015	10	26253	Louisiana Energy & Power Authority	Electric Utility	Morgan City CC Youngs Road	LA	58478	LEPA1	79.0	Other Natural Gas	NG	CC
2015	10	58377	MidAmerican Solar LLC	IPP	Solar Star 1	CA	58388	AVS1	31			

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	Energy Source Code	Prime Mover Code
2015	10	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	AVS2	276.0	Solar Photovoltaic	SUN	PV
2015	11	58574	Canton Mountain Wind LLC	IPP	Canton Mountain Wind	ME	58620	1	22.8	Onshore Wind Turbine	WND	WT
2015	12	57260	CSOLAR IV West LLC	IPP	Imperial Solar Energy Center West	CA	57491	56819	148.7	Solar Photovoltaic	SUN	PV
2015	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT1	197.3	Natural Gas Fired Combined Cycle	NG	CT
2015	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT2	197.3	Natural Gas Fired Combined Cycle	NG	CT
2015	12	56872	Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	ST	191.3	Natural Gas Fired Combined Cycle	NG	CA
2015	12	49932	Enel North America, Inc.	IPP	Odell Wind Farm	MN	58657	1	200.0	Onshore Wind Turbine	WND	WT
2015	12	55910	Lanai Sustainability Research LLC	IPP	Milliani South Solar Farm	HI	57242	1	5.0	Solar Photovoltaic	SUN	PV
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	4		Other Natural Gas	NG	CC
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	5		Other Natural Gas	NG	CC
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	6	95.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	7	95.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	56941	Meadow Lake Wind Farm V LLC	IPP	Meadow Lake Wind Farm V LLC	IN	57628	GEN1	100.0	Onshore Wind Turbine	WND	WT
2015	12	58257	Milliani South PV LLC	IPP	Milliani South PV	HI	58281	1	5.0	Solar Photovoltaic	SUN	PV
2015	12	58417	Moxie Liberty LLC	IPP	Moxie Liberty Generation Plant	PA	58420	GEN1	382.5	Other Natural Gas	NG	CC
2015	12	56545	Pattern Operators LP	IPP	Ripley Westfield Wind LLC	NY	57193	WTG	75.0	Onshore Wind Turbine	WND	WT
2015	12	56545	Pattern Operators LP	IPP	Texas Gulf Wind 2	TX	56662	1	187.2	Onshore Wind Turbine	WND	WT
2015	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	5	173.4	Natural Gas Fired Combined Cycle	NG	CT
2015	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	6	173.4	Natural Gas Fired Combined Cycle	NG	CT
2015	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	7	241.4	Natural Gas Fired Combined Cycle	NG	CA
2015	12	58168	Rio Mesa Solar I LLC	IPP	Rio Mesa SEG1		58188	1	250.0	Solar Thermal without Energy Storage	SUN	ST
2015	12	56937	Rising Tree Wind Farm LLC	IPP	Rising Tree Wind Farm	CA	57621	GEN1	150.0	Onshore Wind Turbine	WND	WT
2015	12	18642	Tennessee Valley Authority	Electric Utility	Watts Bar Nuclear Plant	TN	7722	2	1,122.0	Nuclear	NUC	ST
2015	12	19316	Two Elk Generation Partners LP	IPP	Two Elk Generating Station	WY	55360	GEN1	275.0	Conventional Steam Coal	WC	ST
2016	1	56534	Crick Valley Energy Center LLC	IPP	Crick Valley Energy	NY	57185	U001	346.0	Other Natural Gas	NG	CC
2016	1	56534	Crick Valley Energy Center LLC	IPP	Crick Valley Energy	NY	57185	U002	346.0	Other Natural Gas	NG	CC
2016	1	56534	Crick Valley Energy Center LLC	IPP	Crick Valley Energy	NY	57185	U003	346.0	Other Natural Gas	NG	CC
2016	2	58417	Moxie Liberty LLC	IPP	Moxie Liberty Generation Plant	PA	58420	GEN2	382.5	Other Natural Gas	NG	CC
2016	3	58421	Moxie Patriot LLC	IPP	Moxie Patriot Generation Plant	PA	58426	GEN1	382.5	Other Natural Gas	NG	CC
2016	3	15473	Public Service Co of NM	Electric Utility	La Luz Energy Center	NM	58284	0001	40.2	Natural Gas Fired Combustion Turbine	NG	GT
2016	3	58169	Rio Mesa Solar II LLC	IPP	Rio Mesa SEG2	CA	58189	1	250.0	Solar Thermal without Energy Storage	SUN	ST
2016	4	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	9A	122.0	Conventional Hydroelectric	WAT	HY
2016	4	54866	Robinson Power Company LLC	Electric CHP	Robinson Power Company LLC	PA	56453	1	132.0	Conventional Steam Coal	BIT	ST
2016	4	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS52	14.9	Solar Photovoltaic	SUN	PV
2016	5	867	ARCO Products Co-Watson	Industrial	Watson Cogeneration	CA	50216	GN97	79.6	Natural Gas Fired Combined Cycle	NG	CT
2016	5	58597	Environmission, Inc	IPP	La Paz Solar Tower	AZ	58652	1	200.0	Solar Thermal without Energy Storage	SUN	OT
2016	5	58421	Moxie Patriot LLC	IPP	Moxie Patriot Generation Plant	PA	58426	GEN2	382.5	Other Natural Gas	NG	CC
2016	5	15248	Portland General Electric Co	Electric Utility	Carty Generating Station	OR	58503	GEN1	500.0	Other Natural Gas	NG	CC
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	CT01	270.8	Natural Gas Fired Combined Cycle	NG	CT
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	CT02	270.8	Natural Gas Fired Combined Cycle	NG	CT
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	CT03	270.8	Natural Gas Fired Combined Cycle	NG	CT
2016	5	19876	Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station	VA	58260	ST01	595.3	Natural Gas Fired Combined Cycle	NG	CA
2016	6	56290	CPV Vaca Station LLC	IPP	CPV Vaca Station LLC	CA	56999	CTG1	189.0	Natural Gas Fired Combined Cycle	NG	CT
2016	6	56290	CPV Vaca Station LLC	IPP	CPV Vaca Station LLC	CA	56999	CTG2	189.0	Natural Gas Fired Combined Cycle	NG	CT
2016	6	56290	CPV Vaca Station LLC	IPP	CPV Vaca Station LLC	CA	56999	STG	198.0	Natural Gas Fired Combined Cycle	NG	CA
2016	6	56204	CPV Valley LLC	IPP	CPV Valley Energy Center	NY	56940	CTG2	186.5	Natural Gas Fired Combined Cycle	NG	CT
2016	6	56204	CPV Valley LLC	IPP	CPV Valley Energy Center	NY	56940	STG	305.0	Natural Gas Fired Combined Cycle	NG	CA
2016	6	40215	Cordova Electric Coop, Inc	Electric Utility	Orca	AK	789	1	1.5	Petroleum Liquids	DFO	IC
2016	6	40215	Cordova Electric Coop, Inc	Electric Utility	Orca	AK	789	2	1.5	Petroleum Liquids	DFO	IC
2016	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	12-2		Natural Gas Fired Combined Cycle	NG	CT
2016	6	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	12-3		Natural Gas Fired Combined Cycle	NG	CA
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5A	1,260.0	Natural Gas Fired Combined Cycle	NG	CT
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5B		Natural Gas Fired Combined Cycle	NG	CT
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5C		Natural Gas Fired Combined Cycle	NG	CT
2016	6	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	5ST		Natural Gas Fired Combined Cycle	NG	CA
2016	6	58409	Future Power PA	Electric CHP	Good Spring NGCC	PA	58409	GT1	225.0	Other Natural Gas	NG	CC
2016	6	58409	Future Power PA	Electric CHP	Good Spring NGCC	PA	58409	HRSG1	108.0	Other Natural Gas	NG	CC
2016	6	11806	Massachusetts Mun Wholes Electric Co	Electric Utility	Stony Brook	MA	6081	3A	289.0	Other Natural Gas	NG	CC
2016	6	56640	Rice Solar Energy LLC	Commercial	Rice Solar Energy	CA	57276	RSE1	150.0	Solar Thermal without Energy Storage	SUN	OT
2016	6	57109	St Joseph Energy Center LLC	IPP	St Joseph Energy Center	IN	57794	2	642.0	Other Natural Gas	NG	CC
2016	7	56615	First Solar Energy LLC	IPP	Silver State South	NV	58644	SSS	286.8	Solar Photovoltaic	SUN	PV
2016	7	56615	First Solar Energy LLC	IPP	Stalene Solar	NV	58646	STL	299.5	Solar Photovoltaic	SUN	PV
2016	7	2518	U S Bureau of Reclamation	Electric Utility	Black Canyon	ID	6396	3	12.5	Conventional Hydroelectric	WAT	HY
2016	8	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Landfill	NC	57492	GEN8	1.6	Landfill Gas	LFG	IC
2016	9	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	1	27.5	Conventional Hydroelectric	WAT	HY
2016	9	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	2	27.5	Conventional Hydroelectric	WAT	HY
2016	10	56987	RRE Austin Solar LLC	IPP	Pflugerville Solar Farm	TX	57659	PSF	60.0	Solar Photovoltaic	SUN	PV
2016	10	58381	Troutdale Energy Center LLC	IPP	Troutdale Energy Center	OR	58396	PLGEN	652.0	Other Natural Gas	NG	CC
2016	11	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	3	1,100.0	Nuclear	NUC	ST
2016	11	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project	CA	58462	1	250.0	Solar Photovoltaic	SUN	PV
2016	12	56771	Black Hills Service Company LLC	IPP	Pueblo Airport Generating Station	CO	56998	GT3	90.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	56983	Gibson County Generation LLC	IPP	Gibson County Generation Station	TN	57709	1	371.0	Other Natural Gas	NG	CC
2016	12	15399	Iberdrola Renewables Inc	IPP	Dry Lake Solar	AZ	57922	1	50.0	Solar Photovoltaic	SUN	PV
2016	12	56743	K Road Calico Solar, LLC	IPP	K Road Calico Solar	CA	57416	02	388.5	Solar Photovoltaic	SUN	PV
2016	12	56094	Medicine Bow Fuel & Power LLC	IPP	Medicine Bow Fuel & Power LLC	WY	56452	1	350.0	Coal Integrated Gasification Combined Cycle	BIT	CC
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	A	125.0	Solar Photovoltaic	SUN	PV
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	B	125.0	Solar Photovoltaic	SUN	PV
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	C	125.0	Solar Photovoltaic	SUN	PV
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	D	110.0	Solar Photovoltaic	SUN	PV
2016	12	56676	PV2 Energy, LLC	IPP	Panoche Valley Solar Farm	CA	57340	1	399.0	Solar Photovoltaic	SUN	PV
2016	12	4202	Phillips 66-Ponca City Refinery	Industrial	Ponca City Refinery	OK	52188	G1A	3.0	Other Gases	OG	ST
2016	12	56424	Quilt Block Wind Farm LLC	IPP	Quilt Block Wind Farm LLC	WI	57116	GEN1	99.0	Onshore Wind Turbine	WND	WT
2017	1	2087	Bowie Power Station LLC	Electric CHP	Bowie Power Station LLC	AZ	55780	CT1	172.0	Natural Gas Fired Combined Cycle	NG	CT
2017	1	2087	Bowie Power Station LLC	Electric CHP	Bowie Power Station LLC	AZ	55780	CT2	172.0	Natural Gas Fired Combined Cycle	NG	CT
2017	1	39347	East Texas Electric Coop, Inc	IPP	RC Thomas Hydroelectric Project	TX	58645	RCT1	8.7	Conventional Hydroelectric	WAT	HY
2017	1	39347	East Texas Electric Coop, Inc	IPP	RC Thomas Hydroelectric Project	TX	58645	RCT2	8.7	Conventional Hydroelectric	WAT	HY
2017	1	39347	East Texas Electric Coop, Inc	IPP	RC Thomas Hydroelectric Project	TX	58645	RCT3	8.7	Conventional Hydroelectric	WAT	HY
2017	1	18454	Tampa Electric Co	Electric Utility	Polk	FL	7242	9	459.0	Natural Gas Fired Combined Cycle	NG	CA
2017	2	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	4A	122.0	Conventional Hydroelectric	WAT	HY
2017	3	17539	South Carolina Electric&Gas Co	Electric Utility	V C Summer	SC	6127	2	1,100.0	Nuclear	NUC	ST
2017	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	2	156.0	Natural Gas Fired Combined Cycle	NG	CT
2017	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	3	156.0	Natural Gas Fired Combined Cycle	NG	CT
2017	4	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	4	390.0	Natural Gas Fired Combined Cycle	NG	CA
2017	4	9417	Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA	58236	CC1	646.0	Other Natural Gas	NG	CC
2017	6	7277	Calpine Corporation	IPP	Wild Horse Power Plant	CA	57181	1	40.0	Geothermal	GEO	ST
2017	7	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	CT1	301.5	Natural Gas Fired Combined Cycle	NG	CT
2017	7	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	CT2	301.5	Natural Gas Fired Combined Cycle	NG	CT
2017	7	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	ST	187.0	Natural Gas Fired Combined Cycle	NG	CA
2017	7	4716	Dairyland Power Coop	Electric Utility	Elk Mound	WI	7863	3	35.5	Natural Gas Fired Combustion Turbine	NG	GT
2017	7	4716	Dairyland Power Coop	Electric Utility	Elk Mound	WI	7863	4	35.5	Natural Gas Fired Combustion Turbine	NG	GT
2017	9	7277	Calpine Corporation	IPP	Buckeye Geothermal Power Plant	CA	57180	1	49.9	Geothermal	GEO	ST
2017	11	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	4	1,100.0	Nuclear	NUC	ST
2017	12	2087	Bowie Power Station LLC	IPP	Bowie Power Station LLC	AZ	55780	CT3	172.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	2087	Bowie Power Station LLC	IPP	Bowie Power Station LLC	AZ	55780	CT4	172.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	2087	Bowie Power Station LLC	Electric CHP	Bowie Power Station LLC	AZ	55780	ST1	181.0	Natural Gas Fired Combined Cycle	NG	CA
2017	12	2087	Bowie Power Station LLC	Electric CHP	Bowie Power Station LLC	AZ	55780	ST2	181.0	Natural Gas Fired Combined Cycle	NG	CA
2017	12	11208	Los Angeles Department of Water & Power	Electric Utility	Southern Owens Valley Solar Ranch	CA	57304	1	200.0	Solar Photovoltaic	SUN	PV
2017	12	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	6A	122.0	Conventional Hydroelectric	WAT	HY
2017	12	56949	Paulding Wind Farm LLC	IPP	Paulding Wind Farm LLC	OH	57611	GEN1	49.0	Onshore Wind Turbine	WND	WT
2018	1	56794	CE Obsidian Energy LLC	IPP	Black Rock I	CA	57477	G3201	60.0	Geothermal	GEO	ST

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	Energy Source Code	Prime Mover Code
2018	1	54869	WMPI PTY LLC	Industrial	WMPI Pty LLC	PA	56455	1	41.0	Coal Integrated Gasification Combined Cycle	WC	CC
2018	3	56794	CE Obsidian Energy LLC	IPP	Black Rock II	CA	57478	G3202	60.0	Geothermal	GEO	ST
2018	4	55927	Power4Georgians LLC	Electric Utility	Plant Washington	GA	56675	MAIN	850.0	Conventional Steam Coal	SUB	ST
2018	5	56794	CE Obsidian Energy LLC	IPP	Black Rock III	CA	57479	G303	60.0	Geothermal	GEO	ST
2018	5	17539	South Carolina Electric&Gas Co	Electric Utility	V C Summer	SC	6127	3	1,100.0	Nuclear	NUC	ST
2018	6	54867	Christian County Generation LLC	IPP	Taylorville Energy Center	IL	56454	1	533.0	Coal Integrated Gasification Combined Cycle	SGC	CC
2018	10	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	3A	122.0	Conventional Hydroelectric	WAT	HY
2018	12	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	02B	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	12	56771	Black Hills Service Company LLC	IPP	Cheyenne Prairie Generating Station	WY	57703	03A	40.0	Natural Gas Fired Combustion Turbine	NG	GT
2019	4	15473	Public Service Co of NM	Electric Utility	La Luz Energy Center	NM	58284	0002	40.2	Natural Gas Fired Combustion Turbine	NG	GT
2019	5	18454	Tampa Electric Co	Electric Utility	Tampa Electric Co NA 2	FL	56352	1	149.0	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	56947	Antelope Ridge Wind Power LLC	IPP	Antelope Ridge Wind Power	OR	57615	GEN1	300.0	Onshore Wind Turbine	WND	WT
2019	12	14354	PacificCorp	Electric Utility	Blundell	UT	299	3	35.0	Geothermal	GEO	ST
2020	5	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT5	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	12	7277	Calpine Corporation	IPP	Four Mile Hill	CA	55845	1	49.9	Geothermal	GEO	ST
2020	12	7277	Calpine Corporation	IPP	Telephone Flat	CA	55846	1	49.9	Geothermal	GEO	ST
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	8		Other Natural Gas	NG	CC
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	9		Other Natural Gas	NG	CC
2020	12	56935	Number Nine Wind Farm LLC	IPP	Number Nine Wind Farm	ME	57612	GEN1	200.0	Onshore Wind Turbine	WND	WT
2021	6	6455	Duke Energy Florida, Inc	Electric Utility	Levy Nuclear Plant	FL	57894	LNP1	1,092.0	Nuclear	NUC	ST
2022	1	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS1	91.0	Natural Gas Fired Combustion Turbine	NG	GT
2022	12	56943	Blackstone Wind Farm III LLC	IPP	Blackstone Wind Farm III	IL	57618	GEN1	200.0	Onshore Wind Turbine	WND	WT
2022	12	56944	Blackstone Wind Farm IV LLC	IPP	Blackstone Wind Farm IV	IL	57619	GEN1	100.0	Onshore Wind Turbine	WND	WT
2022	12	6455	Duke Energy Florida, Inc	Electric Utility	Levy Nuclear Plant	FL	57894	LNP2	1,092.0	Nuclear	NUC	ST
2022	12	56425	Simpson Ridge Wind Farm LLC	IPP	Simpson Ridge Wind Farm LLC	WY	57117	GEN 1	200.0	Onshore Wind Turbine	WND	WT
2023	1	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS2	91.0	Natural Gas Fired Combustion Turbine	NG	GT

NOTES:

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

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

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

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	Energy Source Code	Prime Mover Code
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT1	0.5	Petroleum Liquids	JF	IC
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT2	0.4	Petroleum Liquids	JF	IC
2013	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Stebbins	AK	57055	UNIT3	0.3	Petroleum Liquids	JF	IC
2013	12	56146	Black Hills/Colorado Elec.Util	Electric Utility	W N Clark	CO	462	1	17.6	Conventional Steam Coal	BIT	ST
2013	12	56146	Black Hills/Colorado Elec.Util	Electric Utility	W N Clark	CO	462	2	24.9	Conventional Steam Coal	BIT	ST
2013	12	2176	Brazos River Authority	Electric Utility	Morris Sheppard	TX	3557	1	12.0	Conventional Hydroelectric	WAT	HY
2013	12	2176	Brazos River Authority	Electric Utility	Morris Sheppard	TX	3557	2	12.0	Conventional Hydroelectric	WAT	HY
2013	12	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	7	48.0	Other Natural Gas	NG	ST
2013	12	5860	Empire District Electric Co	Electric Utility	Asbury	MO	2076	2	14.5	Conventional Steam Coal	SUB	ST
2013	12	12827	Montclair State Univ Cogen	Commercial	Montclair Cogen Facility	NJ	54708	1	3.7	Natural Gas Fired Combustion Turbine	NG	GT
2013	12	13781	Northern States Power Co - Minnesota	Electric Utility	Alliant Techsystems	MN	7376	1	1.6	Petroleum Liquids	DFO	IC
2014	1	19547	Hawaiian Electric Co Inc	Electric Utility	Honolulu	HI	764	H8	48.6	Petroleum Liquids	RFO	ST
2014	1	19547	Hawaiian Electric Co Inc	Electric Utility	Honolulu	HI	764	H9	51.7	Petroleum Liquids	RFO	ST
2014	1	9332	Indian River Operations Inc	IPP	Indian River Generating Station	DE	594	3	153.0	Conventional Steam Coal	BIT	ST
2014	1	15466	Public Service Co of Colorado	Electric Utility	Arapahoe	CO	465	3	35.0	Conventional Steam Coal	SUB	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Ben French	SD	3325	ST1	21.6	Conventional Steam Coal	SUB	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Neil Simpson	WY	4150	5	14.6	Conventional Steam Coal	SUB	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Osage	WY	4151	1	10.1	Conventional Steam Coal	SUB	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Osage	WY	4151	2	10.1	Conventional Steam Coal	SUB	ST
2014	3	19545	Black Hills Power Inc	Electric Utility	Osage	WY	4151	3	10.1	Conventional Steam Coal	SUB	ST
2014	3	14165	NRG Power Midwest LP	IPP	Elrama Power Plant	PA	3098	1	93.0	Conventional Steam Coal	BIT	ST
2014	3	14165	NRG Power Midwest LP	IPP	Elrama Power Plant	PA	3098	2	93.0	Conventional Steam Coal	BIT	ST
2014	3	14165	NRG Power Midwest LP	IPP	Elrama Power Plant	PA	3098	3	103.0	Conventional Steam Coal	BIT	ST
2014	3	14165	NRG Power Midwest LP	IPP	Elrama Power Plant	PA	3098	4	171.0	Conventional Steam Coal	BIT	ST
2014	3	54842	WM Renewable Energy LLC	IPP	Monroe Livingston Gas Recovery	NY	50565	GEN2	0.8	Landfill Gas	LFG	IC
2014	3	54842	WM Renewable Energy LLC	IPP	New Milford Gas Recovery	CT	50564	GEN4	0.8	Landfill Gas	LFG	IC
2014	5	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	1	113.0	Conventional Steam Coal	BIT	ST
2014	6	4161	Constellation Power Source Gen	IPP	Riverside	MD	1559	GT6	115.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	1	79.7	Conventional Steam Coal	BIT	ST
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	2	78.0	Conventional Steam Coal	BIT	ST
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	3	149.8	Conventional Steam Coal	BIT	ST
2014	6	57501	NAES Salem Harbor	IPP	Salem Harbor	MA	1626	4	436.8	Petroleum Liquids	RFO	ST
2014	6	17235	NRG REMA LLC	IPP	Portland	PA	3113	1	141.0	Conventional Steam Coal	BIT	ST
2014	6	17235	NRG REMA LLC	IPP	Portland	PA	3113	2	194.0	Conventional Steam Coal	BIT	ST
2014	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	1	111.0	Conventional Steam Coal	BIT	ST
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN1	14.0	Natural Gas Fired Combined Cycle	NG	CT
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN2	12.0	Natural Gas Fired Combined Cycle	NG	CT
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN4	10.0	Other Gases	OG	CA
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN5	10.0	Other Gases	OG	CA
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN6	10.0	Other Gases	OG	CA
2014	7	50163	Valero Energy Corporation	Industrial	Valero Energy Port Arthur Refinery	TX	52108	GEN7	10.0	Other Gases	OG	CA
2014	8	12986	Morton Salt Inc	Industrial	Morton Salt Rittman	OH	54335	GEN1	1.5	Conventional Steam Coal	BIT	ST
2014	12	195	Alabama Power Co	Electric Utility	Gadsden	AL	7	1	64.0	Conventional Steam Coal	BIT	ST
2014	12	195	Alabama Power Co	Electric Utility	Gadsden	AL	7	2	66.0	Conventional Steam Coal	BIT	ST
2014	12	57209	Apogee Technology Inc	Industrial	Apogee Technology Inc	PA	10159	GEN1	0.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	12	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	1	200.0	Conventional Steam Coal	BIT	ST
2014	12	733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	2	200.0	Conventional Steam Coal	BIT	ST
2014	12	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	2	145.0	Conventional Steam Coal	BIT	ST
2014	12	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	4	145.0	Conventional Steam Coal	BIT	ST
2014	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	6	45.0	Other Natural Gas	NG	ST
2014	12	5956	Entergy Nuclear Vermont Yankee	IPP	Vermont Yankee	VT	3751	1	604.3	Nuclear	NUC	ST
2014	12	49756	Illinois Power Resources Generating LLC	Electric Utility	E D Edwards	IL	856	1	95.0	Conventional Steam Coal	SUB	ST
2014	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	3	30.9	Other Natural Gas	NG	ST
2014	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	4	35.9	Other Natural Gas	NG	ST
2014	12	9417	Interstate Power and Light Co	Electric Utility	Lansing	IA	1047	3	29.4	Conventional Steam Coal	SUB	ST
2014	12	13960	NRG Cabrillo Power Ops Inc	IPP	Kearny	CA	303	KEA1	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2014	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	1	100.0	Conventional Steam Coal	BIT	ST
2014	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	2	100.0	Conventional Steam Coal	BIT	ST
2014	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	3	98.0	Conventional Steam Coal	BIT	ST
2014	12	14006	Ohio Power Co	Electric Utility	Kammer	WV	3947	1	200.0	Conventional Steam Coal	BIT	ST
2014	12	14006	Ohio Power Co	Electric Utility	Kammer	WV	3947	2	200.0	Conventional Steam Coal	BIT	ST
2014	12	14006	Ohio Power Co	Electric Utility	Kammer	WV	3947	3	200.0	Conventional Steam Coal	BIT	ST
2014	12	14006	Ohio Power Co	Electric Utility	Muskingum River	OH	2872	1	190.0	Conventional Steam Coal	BIT	ST
2014	12	14006	Ohio Power Co	Electric Utility	Muskingum River	OH	2872	2	190.0	Conventional Steam Coal	BIT	ST
2014	12	14006	Ohio Power Co	Electric Utility	Muskingum River	OH	2872	3	205.0	Conventional Steam Coal	BIT	ST
2014	12	14006	Ohio Power Co	Electric Utility	Muskingum River	OH	2872	4	205.0	Conventional Steam Coal	BIT	ST
2014	12	14006	Ohio Power Co	Electric Utility	Muskingum River	OH	2872	5	585.0	Conventional Steam Coal	BIT	ST
2014	12	14006	Ohio Power Co	Electric Utility	Picway	OH	2843	5	95.0	Conventional Steam Coal	BIT	ST
2014	12	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2014	12	14328	Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2014	12	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2014	12	14328	Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	2	1.6	Conventional Hydroelectric	WAT	HY
2014	12	15466	Public Service Co of Colorado	Electric Utility	Zuni	CO	478	2	65.0	Other Natural Gas	NG	ST
2014	12	17166	Sierra Pacific Power Co	Electric Utility	Tracy	NV	2336	ST1	53.0	Other Natural Gas	NG	ST
2014	12	17698	Southwestern Electric Power Co	Electric Utility	Welsh	TX	6139	2	528.0	Conventional Steam Coal	SUB	ST
2014	12	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN2	2.9	Landfill Gas	LFG	GT
2014	12	54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN3	2.9	Landfill Gas	LFG	GT
2014	12	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN1	0.8	Landfill Gas	LFG	IC
2014	12	54842	WM Renewable Energy LLC	IPP	BJ Gas Recovery	GA	54392	GEN3	0.8	Landfill Gas	LFG	IC
2015	1	58544	Sierra Nevada Brewing Co	Industrial	Sierra Nevada Brewing Co	CA	58585	FCE	1.0	Other Natural Gas	NG	FC
2015	1	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN7	95.0	Natural Gas Fired Combined Cycle	NG	CT
2015	1	3542	Duke Energy Ohio Inc	Electric Utility	Miami Fort	OH	2832	6	163.0	Conventional Steam Coal	BIT	ST
2015	1	11269	Lower Colorado River Authority	Electric Utility	Thomas C Ferguson	TX	4937	1	350.0	Other Natural Gas	NG	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	3	156.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST1	111.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST2	111.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST4	217.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	1	159.0	Conventional Steam Coal	BIT	ST
2015	1	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	2	164.0	Conventional Steam Coal	BIT	ST
2015	3	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	3	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Ashtabula	OH	2835	5	244.0	Conventional Steam Coal	SUB	ST
2015	3	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	1	132.0	Conventional Steam Coal	SUB	ST
2015	3	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	2	132.0	Conventional Steam Coal	SUB	ST
2015	3	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	3	132.0	Conventional Steam Coal	SUB	ST
2015	3	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Lake Shore	OH	2838	18	245.0	Conventional Steam Coal	SUB	ST
2015	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	2	85.0	Conventional Steam Coal	BIT	ST
2015	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	3	85.0	Conventional Steam Coal	BIT	ST
2015	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	4	85.0	Conventional Steam Coal	BIT	ST
2015	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	5	95.0	Conventional Steam Coal	BIT	ST
2015	4	15470	Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	6	318.0	Conventional Steam Coal	BIT	ST
2015	4	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	2	94.0	Conventional Steam Coal	BIT	ST
2015	4	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	3	128.0	Conventional Steam Coal	BIT	ST
2015	4	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	4	150.0	Conventional Steam Coal	BIT	ST
2015	4	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	5	238.0	Conventional Steam Coal	BIT	ST
2015	4	3542	Duke Energy Ohio Inc	Electric Utility	Walter C Beckjord	OH	2830	6	414.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Boulevard	GA	732	2	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	7140	Georgia Power Co	Electric Utility	Boulevard	GA	732	3	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	4	7140	Georgia Power Co	Electric Utility	Harilee Branch	GA	709	3	509.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Harilee Branch	GA	709	4	507.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	McManus	GA	715	1	43.0	Petroleum Liquids	RFO	ST

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	4	7140	Georgia Power Co	Electric Utility	McManus	GA	715	2	79.0	Petroleum Liquids	RFO	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	1	97.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	2	103.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	3	111.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	4	133.0	Conventional Steam Coal	BIT	ST
2015	4	7140	Georgia Power Co	Electric Utility	Yates	GA	728	5	135.0	Conventional Steam Coal	BIT	ST
2015	4	7801	Gulf Power Co	Electric Utility	Scholz	FL	642	1	46.0	Conventional Steam Coal	BIT	ST
2015	4	7801	Gulf Power Co	Electric Utility	Scholz	FL	642	2	46.0	Conventional Steam Coal	BIT	ST
2015	4	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	3	68.0	Conventional Steam Coal	BIT	ST
2015	4	10171	Kentucky Utilities Co	Electric Utility	Green River	KY	1357	4	95.0	Conventional Steam Coal	BIT	ST
2015	4	12647	Minnesota Power Inc	Electric Utility	Taconite Harbor Energy Center	MN	10075	GEN3	83.6	Conventional Steam Coal	SUB	ST
2015	4	14165	NRG Power Midwest LP	IPP	New Castle Plant	PA	3138	EMDA	2.5	Petroleum Liquids	DFO	IC
2015	4	14165	NRG Power Midwest LP	IPP	New Castle Plant	PA	3138	EMDB	2.5	Petroleum Liquids	DFO	IC
2015	4	17235	NRG REMA LLC	IPP	Shawville	PA	3131	1	118.0	Conventional Steam Coal	BIT	ST
2015	4	17235	NRG REMA LLC	IPP	Shawville	PA	3131	2	121.0	Conventional Steam Coal	BIT	ST
2015	4	17235	NRG REMA LLC	IPP	Shawville	PA	3131	3	163.0	Conventional Steam Coal	BIT	ST
2015	4	17235	NRG REMA LLC	IPP	Shawville	PA	3131	4	163.0	Conventional Steam Coal	BIT	ST
2015	4	14354	PacifiCorp	Electric Utility	Carbon	UT	3644	1	67.0	Conventional Steam Coal	BIT	ST
2015	4	14354	PacifiCorp	Electric Utility	Carbon	UT	3644	2	105.0	Conventional Steam Coal	BIT	ST
2015	5	18963	Inside Passage Elec Coop. Inc	Electric Utility	Hoonah	AK	7463	1	0.6	Petroleum Liquids	DFO	IC
2015	5	17235	NRG REMA LLC	IPP	Gilbert	NJ	2393	C1	20.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Gilbert	NJ	2393	C2	22.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Gilbert	NJ	2393	C3	22.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Gilbert	NJ	2393	C4	22.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	1	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	2	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	3	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	4	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	5	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	6	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	7	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Glen Gardner	NJ	8227	8	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	17235	NRG REMA LLC	IPP	Werner	NJ	2385	GT1	46.0	Petroleum Liquids	DFO	GT
2015	5	17235	NRG REMA LLC	IPP	Werner	NJ	2385	GT2	46.0	Petroleum Liquids	DFO	GT
2015	5	17235	NRG REMA LLC	IPP	Werner	NJ	2385	GT3	46.0	Petroleum Liquids	DFO	GT
2015	5	17235	NRG REMA LLC	IPP	Werner	NJ	2385	GT4	46.0	Petroleum Liquids	DFO	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	121	46.1	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	122	48.2	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	123	46.2	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	124	46.6	Natural Gas Fired Combustion Turbine	NG	GT
2015	5	15147	PSEG Fossil LLC	IPP	PSEG Kearny Generating Station	NJ	2404	9	21.9	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	733	Appalachian Power Co	Electric Utility	Clinch River	VA	3775	3	230.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	5	90.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Glen Lyn	VA	3776	6	235.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	1	145.0	Conventional Steam Coal	BIT	ST
2015	6	733	Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	3	145.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	1	58.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	2	55.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	3	63.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	5	63.0	Conventional Steam Coal	BIT	ST
2015	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	6	63.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	1	145.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	2	145.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	3	200.0	Conventional Steam Coal	BIT	ST
2015	6	9324	Indiana Michigan Power Co	Electric Utility	Tanners Creek	IN	988	4	500.0	Conventional Steam Coal	BIT	ST
2015	6	22053	Kentucky Power Co	Electric Utility	Big Sandy	KY	1353	1	260.0	Conventional Steam Coal	BIT	ST
2015	6	22053	Kentucky Power Co	Electric Utility	Big Sandy	KY	1353	2	800.0	Conventional Steam Coal	BIT	ST
2015	6	15147	PSEG Fossil LLC	IPP	Bergen Generating Station	NJ	2398	3	21.3	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	111	47.8	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	112	46.4	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	113	46.1	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	114	42.2	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	8	22.7	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	91	46.6	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	92	47.3	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	93	46.8	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Burlington Generating Station	NJ	2399	94	46.0	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	11	43.7	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	12	43.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	13	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	14	42.1	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	21	43.1	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	22	42.1	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	23	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	24	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	31	43.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	32	43.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	33	43.8	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	34	43.7	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	101	42.4	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	102	42.9	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	103	42.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	104	44.5	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	111	46.9	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	112	47.7	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	113	46.7	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	114	46.8	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Linden Generating Station	NJ	2406	3	21.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Mercer Generating Station	NJ	2408	3	115.7	Petroleum Liquids	DFO	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG National Park Generating Station	NJ	2409	1	21.1	Petroleum Liquids	KER	GT
2015	6	15147	PSEG Fossil LLC	IPP	PSEG Swaren Generating Station	NJ	2411	6	107.6	Petroleum Liquids	KER	GT
2015	6	15478	PSEG Nuclear LLC	IPP	PSEG Salem Generating Station	NJ	2410	3	39.7	Petroleum Liquids	DFO	GT
2015	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	9	103.8	Conventional Hydroelectric	WAT	HY
2015	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	4	111.0	Conventional Steam Coal	BIT	ST
2015	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	6	111.0	Conventional Steam Coal	BIT	ST
2015	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	8	103.8	Conventional Hydroelectric	WAT	HY
2015	9	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC1	2.0	Petroleum Liquids	DFO	IC
2015	9	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC2	2.0	Petroleum Liquids	DFO	IC
2015	9	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC3	2.0	Petroleum Liquids	DFO	IC
2015	9	55768	RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC4	2.0	Petroleum Liquids	DFO	IC
2015	10	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	GT1	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	10	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	GT2	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	10	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	7	23.2	Other Natural Gas	NG	ST
2015	10	17166	Sierra Pacific Power Co	Electric Utility	Tracy	NV	2336	ST2	83.0	Other Natural Gas	NG	ST
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curren Advncd Wastewater Plant	FL	54347	1	0.5	Other Waste Biomass	OBG	IC
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curren Advncd Wastewater Plant	FL	54347	2	0.5	Other Waste Biomass	OBG	IC
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curren Advncd Wastewater Plant	FL	54347	3	0.5	Other Waste Biomass	OBG	IC
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curren Advncd Wastewater Plant	FL	54347	4	0.5	Other Waste Biomass	OBG	IC
2015	10	18483	Tampa Wastewater Department	Commercial	Howard F Curren Advncd Wastewater Plant	FL	54347	5	0.5	Other Waste Biomass	OBG	IC
2015	11	52	ACE Cogeneration Co	Electric CHP	ACE Cogeneration Facility	CA	10002	GEN1	101.2	Conventional Steam Coal	BIT	ST

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2015	12	195	Alabama Power Co	Electric Utility	Holt Dam	AL	12	1	45.0	Conventional Hydroelectric	WAT	HY
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	ALBA	0.3	Conventional Hydroelectric	WAT	HY
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	ALBD	0.4	Conventional Hydroelectric	WAT	HY
2015	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	NONO	0.5	Conventional Hydroelectric	WAT	HY
2015	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	2	76.0	Other Natural Gas	NG	ST
2015	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	3	445.0	Other Natural Gas	NG	ST
2015	12	13960	NRG Cabrillo Power Ops Inc	IPP	El Cajon	CA	301	ENCI	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	13960	NRG Cabrillo Power Ops Inc	IPP	Kearny	CA	303	KEA2	59.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	13960	NRG Cabrillo Power Ops Inc	IPP	Kearny	CA	303	KEA3	61.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	13960	NRG Cabrillo Power Ops Inc	IPP	Miramar	CA	305	MRGT	36.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	12	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	3	79.0	Conventional Steam Coal	SUB	ST
2015	12	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	4	153.0	Conventional Steam Coal	SUB	ST
2015	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN1	1.6	Other Natural Gas	NG	ST
2015	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN2	1.6	Other Natural Gas	NG	ST
2015	12	14030	Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN4	5.2	Other Natural Gas	NG	ST
2015	12	14795	Perdue Agribusiness	Industrial	Oilseed Plant	VA	10515	GEN1	1.6	Conventional Steam Coal	BIT	ST
2015	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	3	152.0	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	1	6.6	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	2	7.0	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	3	20.0	Conventional Steam Coal	BIT	ST
2015	12	16181	Rochester Public Utilities	Electric Utility	Silver Lake	MN	2008	4	46.4	Conventional Steam Coal	BIT	ST
2015	12	57302	Sonoco Products Co	Industrial	Sonoco Products Co	SC	57919	2	2.5	Other Natural Gas	NG	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	John Sevier	TN	3405	3	176.0	Conventional Steam Coal	BIT	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	John Sevier	TN	3405	4	176.0	Conventional Steam Coal	BIT	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	10	141.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	5	107.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	6	107.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	7	141.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	8	141.0	Conventional Steam Coal	SUB	ST
2015	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	9	141.0	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Edgewater	WI	4050	3	69.9	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Nelson Dewey Coal Refining Facility	WI	4054	1	107.4	Conventional Steam Coal	SUB	ST
2015	12	20856	Wisconsin Power & Light Co	Electric Utility	Nelson Dewey Coal Refining Facility	WI	4054	2	105.0	Conventional Steam Coal	SUB	ST
2016	1	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	7	38.0	Conventional Steam Coal	SUB	ST
2016	1	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	8	54.0	Conventional Steam Coal	SUB	ST
2016	1	5860	Empire District Electric Co	Electric Utility	Riverton	KS	1239	9	12.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	1	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	1	170.0	Conventional Steam Coal	SUB	ST
2016	1	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	4	155.0	Conventional Steam Coal	BIT	ST
2016	1	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	5	168.0	Conventional Steam Coal	BIT	ST
2016	1	11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	6	240.0	Conventional Steam Coal	BIT	ST
2016	3	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	1	370.0	Conventional Steam Coal	BIT	ST
2016	3	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	2	499.0	Conventional Steam Coal	BIT	ST
2016	4	5416	Duke Energy Carolinas, LLC	Electric Utility	W S Lee	SC	3264	1	100.0	Conventional Steam Coal	BIT	ST
2016	4	5416	Duke Energy Carolinas, LLC	Electric Utility	W S Lee	SC	3264	2	100.0	Conventional Steam Coal	BIT	ST
2016	4	7140	Georgia Power Co	Electric Utility	Harlee Branch	GA	709	1	266.0	Conventional Steam Coal	BIT	ST
2016	4	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	2	52.0	Conventional Steam Coal	BIT	ST
2016	4	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	3	101.0	Conventional Steam Coal	BIT	ST
2016	4	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	4	115.0	Other Natural Gas	NG	ST
2016	4	7140	Georgia Power Co	Electric Utility	Kraft	GA	733	ST1	48.0	Conventional Steam Coal	BIT	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	George Neal North	IA	1091	1	134.3	Conventional Steam Coal	SUB	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	1	37.4	Conventional Steam Coal	SUB	ST
2016	4	12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	2	80.8	Conventional Steam Coal	SUB	ST
2016	4	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	4	103.8	Conventional Hydroelectric	WAT	HY
2016	4	15474	Public Service Co of Oklahoma	Electric Utility	Northeastern	OK	2963	4	460.0	Conventional Steam Coal	SUB	ST
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Avon Park	FL	624	P1	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Avon Park	FL	624	P2	24.0	Petroleum Liquids	DFO	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	G E Turner	FL	629	P1	10.0	Petroleum Liquids	DFO	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	G E Turner	FL	629	P2	10.0	Petroleum Liquids	DFO	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P1	20.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P2	25.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P3	30.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P4	30.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6455	Duke Energy Florida, Inc	Electric Utility	Rio Pinar	FL	637	P1	12.0	Petroleum Liquids	DFO	GT
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	2	39.0	Petroleum Liquids	DFO	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	3	40.0	Conventional Steam Coal	BIT	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	4	56.0	Conventional Steam Coal	BIT	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	5	62.0	Conventional Steam Coal	BIT	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	6	99.0	Conventional Steam Coal	BIT	ST
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	IC1	3.0	Petroleum Liquids	DFO	IC
2016	5	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley	IN	991	ST1	39.0	Petroleum Liquids	DFO	ST
2016	6	15452	PSEG Power Connecticut LLC	IPP	Bridgeport Station	CT	568	4	16.0	Petroleum Liquids	KER	GT
2016	8	57322	Naval Facilities Engineering Command	Commercial	Goddard Steam Plant	MD	57944	1	5.0	Conventional Steam Coal	BIT	ST
2016	8	57322	Naval Facilities Engineering Command	Commercial	Goddard Steam Plant	MD	57944	2	5.0	Conventional Steam Coal	BIT	ST
2016	12	195	Alabama Power Co	Electric Utility	Gorgas	AL	8	6	103.0	Conventional Steam Coal	BIT	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington	IA	1104	GT1	14.4	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington	IA	1104	GT2	13.7	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington	IA	1104	GT3	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Burlington	IA	1104	GT4	14.8	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	1	2.1	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	2	1.8	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	3	1.8	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT1	24.4	Petroleum Liquids	DFO	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT2	25.1	Petroleum Liquids	DFO	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	IC1	2.1	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	IC2	1.6	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	1	12.7	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Fox Lake	MN	1888	3	76.6	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	1	25.9	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	2	20.4	Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417	Interstate Power and Light Co	Electric Utility	Hills	MN	1889	1	2.0	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Hills	MN	1889	2	0.0	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Lansing	IA	1047	IC1	1.2	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Lansing	IA	1047	IC2	1.1	Petroleum Liquids	DFO	IC
2016	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	1	28.3	Other Natural Gas	NG	ST
2016	12	9417	Interstate Power and Light Co	Electric Utility	Sutherland	IA	1077	3	78.7	Other Natural Gas	NG	ST
2017	1	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	1	47.7	Conventional Steam Coal	SUB	ST
2017	1	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	2	50.6	Conventional Steam Coal	SUB	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	5	55.0	Conventional Steam Coal	BIT	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	6	55.0	Conventional Steam Coal	BIT	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	7	78.0	Conventional Steam Coal	SUB	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	8	78.0	Conventional Steam Coal	SUB	ST
2017	1	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	9	78.0	Conventional Steam Coal	SUB	ST
2017	2	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	6	103.8	Conventional Hydroelectric	WAT	HY
2017	3	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT2	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	10	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	1	8.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	10	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	2	8.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	10	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	3	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	10	13781	Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	4	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	11	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	45	0.3	Other Natural Gas	NG	FC
2017	11	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	47	0.3	Other Natural Gas	NG	FC

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2017	11	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	50	0.3	Other Natural Gas	NG	FC
2017	11	56929	Alliance Star Energy LLC	Commercial	Sheraton SD East Tower	CA	57592	51	0.3	Other Natural Gas	NG	FC
2017	12	195	Alabama Power Co	Electric Utility	Gorgas	AL	8	7	104.0	Conventional Steam Coal	BIT	ST
2017	12	463	Ameresco LFG I Inc	IPP	Al Turi	NY	10549	3010	0.8	Landfill Gas	LFG	IC
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	4	83.0	Natural Gas Fired Combined Cycle	NG	CA
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT1	72.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT2	72.0	Natural Gas Fired Combined Cycle	NG	CT
2017	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	7	46.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	2	104.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	3	110.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	4	300.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	5	330.0	Other Natural Gas	NG	ST
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	GT1	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2017	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	ST1	106.0	Other Natural Gas	NG	ST
2017	12	13407	Nevada Power Co	Electric Utility	Reid Gardner	NV	2324	4	255.0	Conventional Steam Coal	BIT	ST
2017	12	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	3	103.8	Conventional Hydroelectric	WAT	HY
2017	12	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	2	340.0	Conventional Steam Coal	BIT	ST
2017	12	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	3	497.0	Conventional Steam Coal	BIT	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	1	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	2	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	3	107.0	Conventional Steam Coal	SUB	ST
2017	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	4	107.0	Conventional Steam Coal	SUB	ST
2018	1	17891	City of St Marys - (OH)	Electric Utility	St Marys	OH	2942	7	12.0	Petroleum Liquids	DFO	GT
2018	1	15466	Public Service Co of Colorado	Electric Utility	Valmont	CO	477	5	184.0	Conventional Steam Coal	BIT	ST
2018	2	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	GT1	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	1	28.0	Petroleum Liquids	RFO	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	2	30.0	Petroleum Liquids	RFO	ST
2018	5	6455	Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	3	71.0	Petroleum Liquids	RFO	ST
2018	9	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	GT2	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	1	113.0	Other Natural Gas	NG	ST
2018	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	1	76.0	Other Natural Gas	NG	ST
2018	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	2	76.0	Other Natural Gas	NG	ST
2018	12	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	3	107.0	Other Natural Gas	NG	ST
2018	12	17539	South Carolina Electric&Gas Co	Electric Utility	Canadys Steam	SC	3280	2	115.0	Conventional Steam Coal	BIT	ST
2018	12	17539	South Carolina Electric&Gas Co	Electric Utility	Canadys Steam	SC	3280	3	180.0	Conventional Steam Coal	BIT	ST
2018	12	17539	South Carolina Electric&Gas Co	Electric Utility	McMeekin	SC	3287	1	125.0	Conventional Steam Coal	BIT	ST
2018	12	17539	South Carolina Electric&Gas Co	Electric Utility	McMeekin	SC	3287	2	125.0	Conventional Steam Coal	BIT	ST
2019	1	17166	Sierra Pacific Power Co	Electric Utility	Gabbs	NV	6514	1	2.7	Petroleum Liquids	DFO	IC
2019	1	17166	Sierra Pacific Power Co	Electric Utility	Gabbs	NV	6514	2	2.7	Petroleum Liquids	DFO	IC
2019	5	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	GT3	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	1	2.0	Petroleum Liquids	DFO	IC
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	2	2.0	Petroleum Liquids	DFO	IC
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	3	2.0	Petroleum Liquids	DFO	IC
2019	12	195	Alabama Power Co	Electric Utility	Barry	AL	3	1	138.0	Conventional Steam Coal	BIT	ST
2019	12	195	Alabama Power Co	Electric Utility	Barry	AL	3	2	137.0	Conventional Steam Coal	BIT	ST
2019	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	1	74.0	Other Natural Gas	NG	ST
2019	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	3	102.0	Other Natural Gas	NG	ST
2019	12	55951	Exelon Nuclear	IPP	Oyster Creek	NJ	2388	1	614.5	Nuclear	NUC	ST
2020	1	21622	The University of Texas at Dallas	Commercial	University of Texas at Dallas	TX	54607	GEN1	3.5	Other Natural Gas	NG	IC
2020	3	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	1	76.0	Other Natural Gas	NG	ST
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL00	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL01	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL02	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL03	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL04	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL05	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL06	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL07	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL08	0.1	Other Waste Biomass	OBG	FC
2020	11	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL09	0.1	Other Waste Biomass	OBG	FC
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	1	174.0	Other Natural Gas	NG	ST
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	2	177.0	Other Natural Gas	NG	ST
2020	12	15248	Portland General Electric Co	Electric Utility	Boardman	OR	6106	1	585.0	Conventional Steam Coal	SUB	ST
2020	12	19148	Veolia Energy Trenton L.P	Commercial	Veolia Energy Trenton L.P.	NJ	50094	7214	0.1	Other Natural Gas	NG	IC
2021	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	2	113.0	Other Natural Gas	NG	ST
2021	12	12686	Mississippi Power Co	Electric Utility	Sweatt	MS	2048	1	46.0	Other Natural Gas	NG	ST
2021	12	12686	Mississippi Power Co	Electric Utility	Sweatt	MS	2048	2	46.0	Other Natural Gas	NG	ST
2021	12	17166	Sierra Pacific Power Co	Electric Utility	North Valmy	NV	8224	1	254.0	Conventional Steam Coal	BIT	ST
2022	8	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	1	75.0	Other Natural Gas	NG	ST
2031	12	58590	SEDC Jersey Gardens Owner LLC	IPP	Jersey Gardens Phase 1	NJ	58653	1	1.7	Solar Photovoltaic	SUN	PV
2032	2	58591	CF Jersey Gardens Owner Two LLC	IPP	Jersey Gardens Phase 2	NJ	58654	1	2.3	Solar Photovoltaic	SUN	PV

NOTES:

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

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

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

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-November 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%	
November	56.2%	43.2%	3.2%	7.3%	13.2%	6.8%	0.7%	6.7%	

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-November 2013

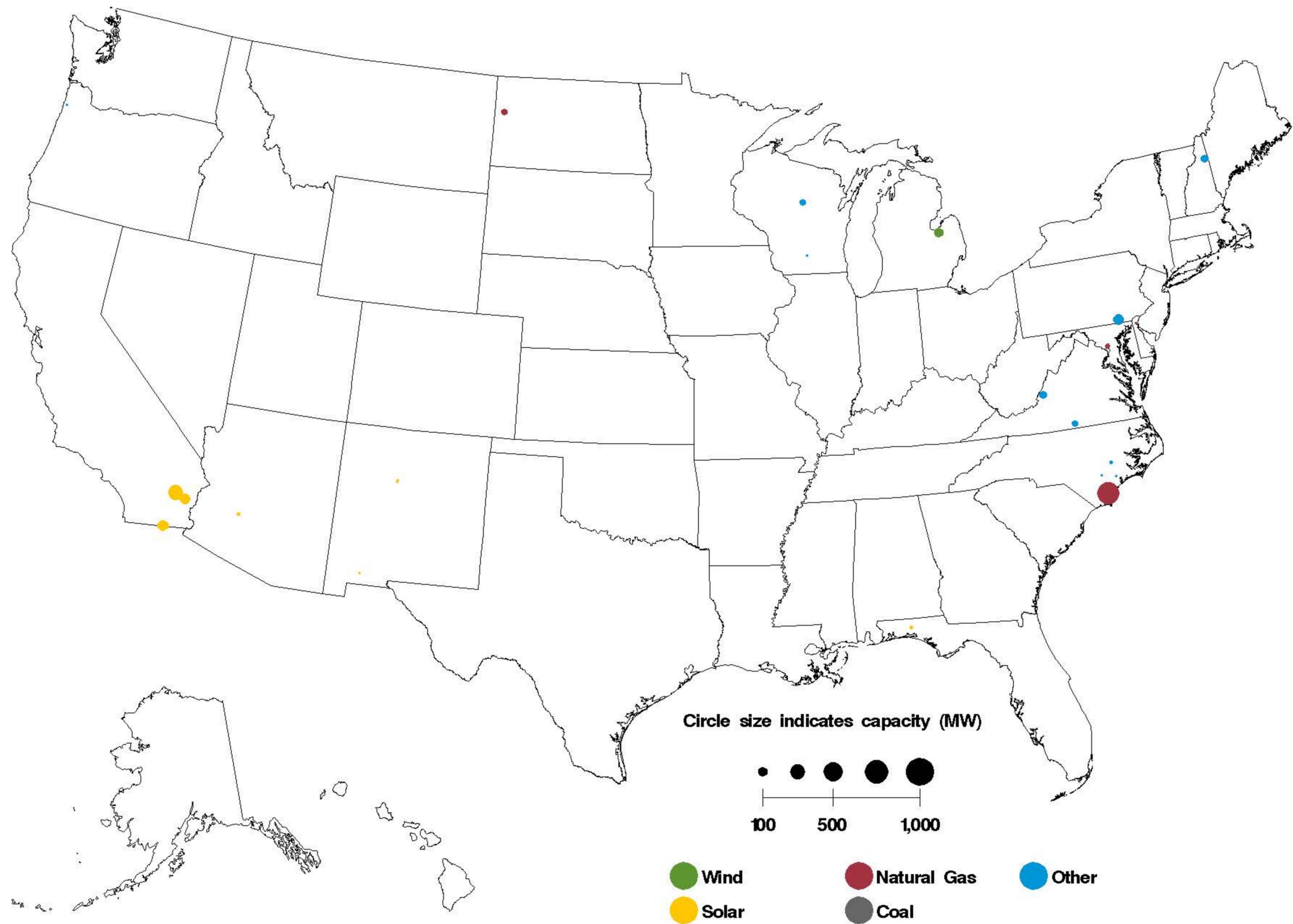
Period	Nuclear	Conventional Hydropower	Wind	Solar Photovoltaic	Solar Thermal	Landfill Gas and Municipal Solid Waste	Other Biomass Including Wood	Geothermal
Annual Factors								
2008	91.1%	37.2%	31.7%	22.5%	19.5%	69.9%	66.5%	74.7%
2009	90.3%	39.6%	28.1%	20.6%	23.6%	70.2%	62.1%	73.3%
2010	91.1%	37.6%	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%
November	91.2%	30.7%	37.1%	18.4%	9.0%	68.3%	52.8%	61.1%

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.

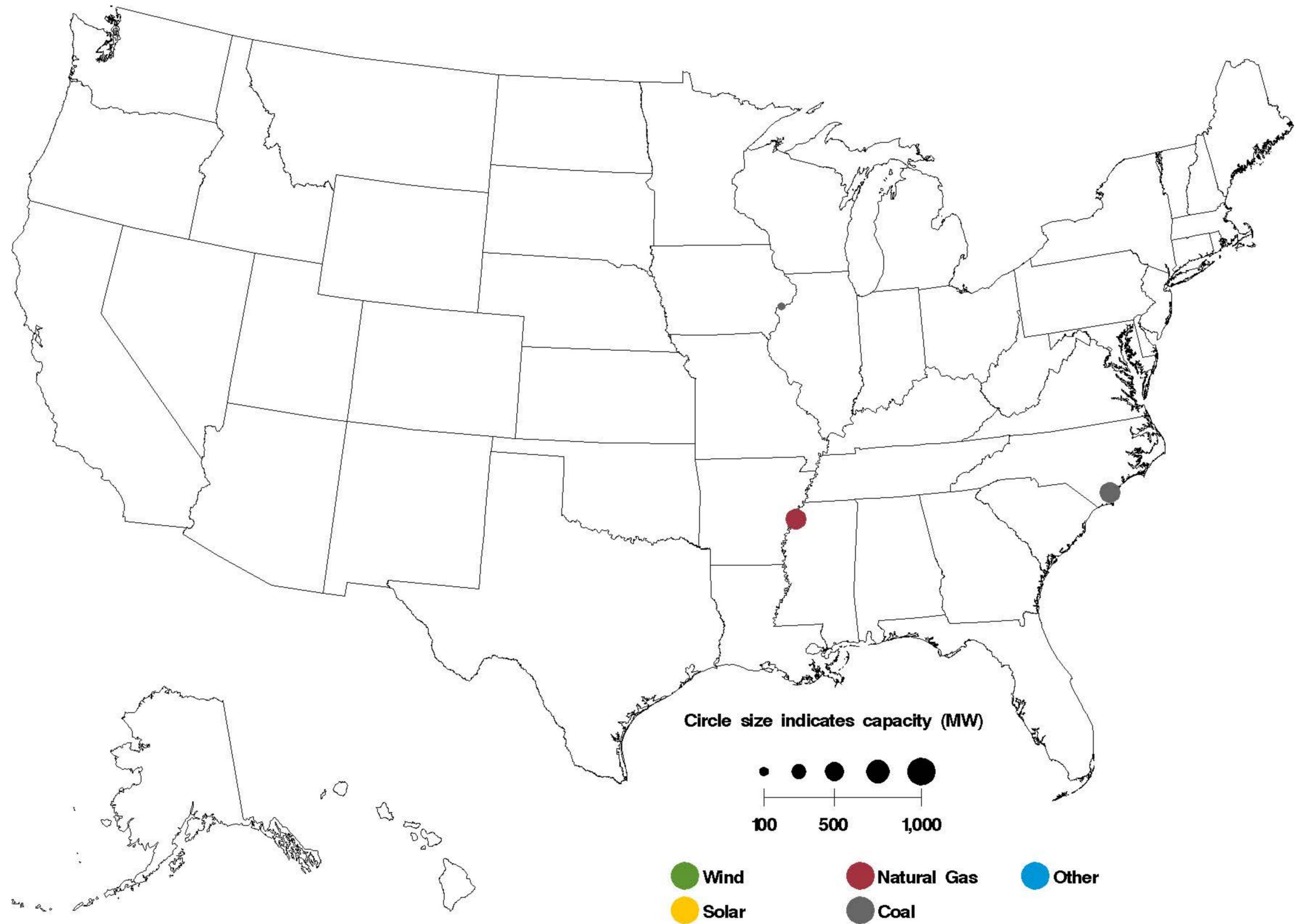
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

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



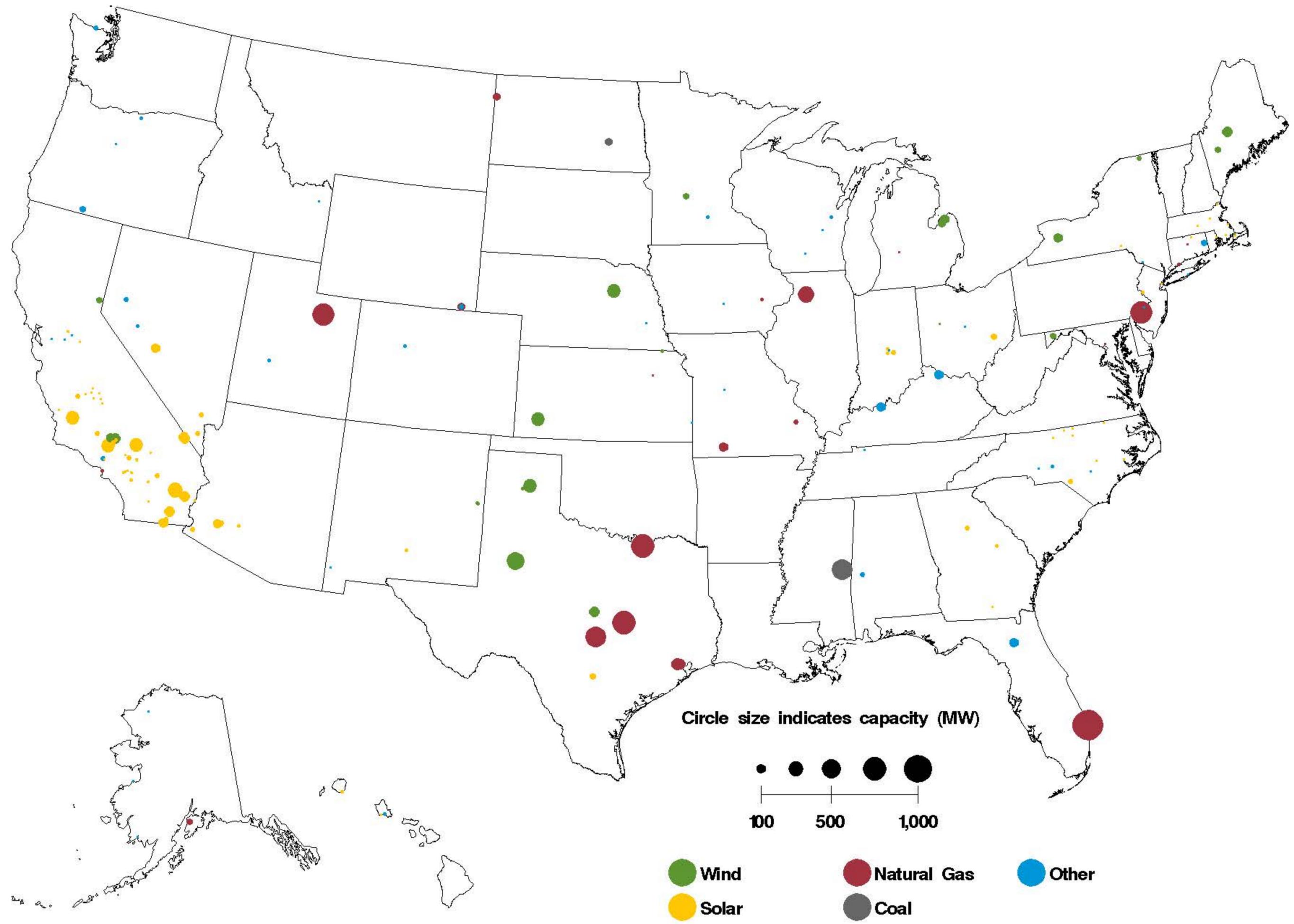
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility Scale Generating Units Retired in November 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 December 2013 to November 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, November 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	6	12	0	1	0	0	11
Connecticut	0	19	0	2	0	0	57
Maine	0	24	0	4	0	0	14
Massachusetts	8	21	0	2	0	0	29
New Hampshire	0	17	0	2	0	0	20
Rhode Island	0	54	0	1	0	0	483
Vermont	0	183	0	0	0	0	30
Middle Atlantic	2	8	46	1	13	0	3
New Jersey	0	23	114	2	49	0	311
New York	8	13	0	2	0	0	3
Pennsylvania	2	9	51	1	10	0	16
East North Central	0	2	2	2	8	0	14
Illinois	0	3	0	4	38	0	72
Indiana	0	5	0	2	9	0	21
Michigan	2	5	6	9	0	0	30
Ohio	1	2	1	1	23	0	21
Wisconsin	1	12	0	5	0	0	27
West North Central	1	3	0	9	96	0	5
Iowa	3	6	0	25	0	0	39
Kansas	0	6	0	64	0	0	292
Minnesota	3	10	0	7	0	0	49
Missouri	1	6	0	9	0	0	17
Nebraska	2	5	0	22	0	0	30
North Dakota	3	7	0	490	96	0	0
South Dakota	6	101	0	22	0	0	1
South Atlantic	0	2	0	1	0	0	6
Delaware	2	51	0	0	0	0	0
District of Columbia	0	0	0	140	0	0	0
Florida	1	5	0	1	0	0	81
Georgia	0	6	0	1	0	0	12
Maryland	0	13	0	21	0	0	4
North Carolina	1	3	0	1	0	0	9
South Carolina	0	9	0	2	0	0	14
Virginia	2	6	0	0	0	0	31
West Virginia	0	0	0	56	0	0	19
East South Central	1	6	0	3	16	0	4
Alabama	1	25	0	4	16	0	5
Kentucky	1	3	0	18	0	0	8
Mississippi	0	10	0	1	0	0	0
Tennessee	2	8	0	23	0	0	6
West South Central	0	2	3	1	3	0	8
Arkansas	0	0	0	2	0	0	13
Louisiana	0	0	3	1	3	0	0
Oklahoma	1	8	0	1	0	0	11
Texas	0	5	17	1	4	0	29
Mountain	1	3	0	1	8	0	3
Arizona	0	0	0	1	0	0	2
Colorado	1	19	0	3	0	0	31
Idaho	60	490	0	5	0	0	9
Montana	7	12	0	110	0	0	4
Nevada	0	0	0	1	0	0	4
New Mexico	0	1	0	5	0	0	70
Utah	2	13	0	5	298	0	38
Wyoming	2	14	0	43	7	0	19
Pacific Contiguous	1	52	84	1	5	0	1
California	21	67	84	1	6	0	4
Oregon	0	0	0	1	0	0	2
Washington	0	24	0	3	0	0	1
Pacific Noncontiguous	5	2	0	12	68	0	16
Alaska	13	2	0	12	370	0	16
Hawaii	3	2	0	0	68	0	100
U.S. Total	0	2	2	0	4	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, November 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	37	2	0	5	1
Connecticut	0	0	0	0	4	0	8	1
Maine	0	0	0	0	2	0	11	4
Massachusetts	0	0	0	40	4	0	7	2
New Hampshire	0	0	0	0	8	0	44	2
Rhode Island	0	0	0	222	21	0	0	1
Vermont	0	0	0	103	7	0	0	5
Middle Atlantic	0	0	0	15	1	0	4	0
New Jersey	0	0	0	17	7	0	8	1
New York	0	0	0	20	1	0	6	1
Pennsylvania	0	0	0	37	2	0	5	1
East North Central	0	0	0	32	1	0	6	0
Illinois	0	0	0	52	0	0	16	0
Indiana	0	0	0	79	1	0	2	0
Michigan	0	0	0	0	2	0	13	1
Ohio	0	0	0	46	3	0	0	0
Wisconsin	0	0	0	0	3	0	27	1
West North Central	0	0	0	235	0	0	11	1
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	0	0	0	2
Minnesota	0	0	0	235	2	0	11	2
Missouri	0	0	0	0	2	0	0	1
Nebraska	0	0	0	0	2	0	0	1
North Dakota	0	0	0	0	1	0	49	2
South Dakota	0	0	0	0	0	0	0	2
South Atlantic	0	0	0	14	1	0	3	0
Delaware	0	0	0	53	28	0	0	1
District of Columbia	0	0	0	0	0	0	0	140
Florida	0	0	0	20	3	0	4	1
Georgia	0	0	0	171	3	0	3	0
Maryland	0	0	0	35	4	0	1	1
North Carolina	0	0	0	21	4	0	22	1
South Carolina	0	0	0	0	2	0	0	0
Virginia	0	0	0	0	2	0	4	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	0	0	0	79	3	0	40	1
Alabama	0	0	0	0	4	0	0	1
Kentucky	0	0	0	0	4	0	0	1
Mississippi	0	0	0	0	3	0	291	0
Tennessee	0	0	0	79	8	0	0	2
West South Central	0	0	0	29	0	0	8	0
Arkansas	0	0	0	0	4	0	0	1
Louisiana	0	0	0	0	5	0	7	1
Oklahoma	0	0	0	0	1	0	56	1
Texas	0	0	0	29	0	0	15	1
Mountain	0	10	0	4	1	0	4	1
Arizona	0	0	0	4	3	0	0	0
Colorado	0	0	0	21	1	0	40	1
Idaho	0	77	0	0	5	0	0	4
Montana	0	0	0	0	3	0	0	4
Nevada	0	11	0	7	8	0	101	1
New Mexico	0	0	0	19	3	0	0	1
Utah	0	17	0	269	7	0	4	2
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	0	6	0	3	2	0	8	1
California	0	6	0	3	3	0	8	1
Oregon	0	0	0	89	2	0	54	1
Washington	0	0	0	0	1	0	20	1
Pacific Noncontiguous	0	0	0	82	8	0	0	3
Alaska	0	0	0	0	40	0	0	7
Hawaii	0	0	0	82	7	0	0	2
U.S. Total	0	6	0	3	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.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Total (All Sectors) by Census Division and State, Year-to-Date through November 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	1	0	0	4
Massachusetts	3	19	0	1	0	0	9
New Hampshire	0	13	0	1	0	0	5
Rhode Island	0	22	0	0	0	0	142
Vermont	0	69	0	0	0	0	9
Middle Atlantic	0	4	26	0	4	0	1
New Jersey	0	5	56	1	16	0	73
New York	1	5	0	1	0	0	1
Pennsylvania	0	8	29	0	3	0	4
East North Central	0	1	2	0	3	0	5
Illinois	0	2	0	1	12	0	22
Indiana	0	4	0	1	3	0	7
Michigan	0	2	15	1	0	0	11
Ohio	0	2	2	0	7	0	9
Wisconsin	0	5	0	1	0	0	10
West North Central	0	2	0	2	32	0	2
Iowa	1	5	0	7	0	0	14
Kansas	0	5	0	7	0	0	84
Minnesota	1	8	0	2	0	0	17
Missouri	0	6	0	2	0	0	3
Nebraska	0	3	0	9	0	0	10
North Dakota	1	4	0	74	32	0	0
South Dakota	2	10	0	12	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	42	0	0	0
Florida	0	4	0	0	0	0	24
Georgia	0	4	0	0	0	0	4
Maryland	0	10	0	3	0	0	1
North Carolina	0	3	0	0	0	0	2
South Carolina	0	12	0	1	0	0	4
Virginia	1	2	0	0	0	0	7
West Virginia	0	0	0	4	0	0	5
East South Central	0	3	0	0	4	0	1
Alabama	0	9	0	1	5	0	1
Kentucky	0	4	0	4	0	0	2
Mississippi	0	8	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	5	0	0	0	0	4
Texas	0	3	3	0	1	0	10
Mountain	0	1	0	0	3	0	1
Arizona	0	1	0	0	0	0	1
Colorado	0	20	0	1	0	0	7
Idaho	17	332	0	1	0	0	3
Montana	2	5	0	26	0	0	2
Nevada	0	0	0	0	0	0	1
New Mexico	0	2	0	1	0	0	24
Utah	1	5	0	2	89	0	13
Wyoming	1	4	0	10	3	0	4
Pacific Contiguous	0	79	40	0	2	0	0
California	4	97	40	0	2	0	2
Oregon	0	0	0	0	0	0	1
Washington	0	24	0	1	0	0	0
Pacific Noncontiguous	1	2	0	3	22	0	7
Alaska	4	1	0	3	137	0	7
Hawaii	1	3	0	0	22	0	34
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 November 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	15	1	0	1	0
Connecticut	0	0	0	0	2	0	2	0
Maine	0	0	0	0	1	0	4	1
Massachusetts	0	0	0	16	2	0	2	1
New Hampshire	0	0	0	0	3	0	11	0
Rhode Island	0	0	0	100	9	0	0	0
Vermont	0	0	0	41	3	0	0	2
Middle Atlantic	0	0	0	6	1	0	1	0
New Jersey	0	0	0	7	3	0	2	0
New York	0	0	0	1	1	0	2	0
Pennsylvania	0	0	0	18	1	0	2	0
East North Central	0	0	0	14	0	0	2	0
Illinois	0	0	0	21	0	0	7	0
Indiana	0	0	0	57	0	0	1	0
Michigan	0	0	0	0	1	0	3	0
Ohio	0	0	0	21	1	0	0	0
Wisconsin	0	0	0	0	1	0	10	0
West North Central	0	0	0	89	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	89	1	0	4	0
Missouri	0	0	0	0	1	0	0	0
Nebraska	0	0	0	0	1	0	0	0
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	5	1	0	1	0
Delaware	0	0	0	22	12	0	0	0
District of Columbia	0	0	0	0	0	0	0	42
Florida	0	0	0	6	1	0	1	0
Georgia	0	0	0	65	1	0	1	0
Maryland	0	0	0	18	2	0	0	0
North Carolina	0	0	0	9	2	0	9	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	30	1	0	6	0
Alabama	0	0	0	0	1	0	0	0
Kentucky	0	0	0	0	3	0	0	0
Mississippi	0	0	0	0	1	0	56	0
Tennessee	0	0	0	30	3	0	0	0
West South Central	0	0	0	10	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	24	0
Texas	0	0	0	10	0	0	6	0
Mountain	0	2	0	2	0	0	1	0
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	10	0	0	15	0
Idaho	0	10	0	0	1	0	0	2
Montana	0	0	0	0	1	0	0	1
Nevada	0	2	0	3	1	0	23	0
New Mexico	0	0	0	8	1	0	0	0
Utah	0	3	0	102	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	36	0	0	13	0
Washington	0	0	0	0	0	0	6	0
Pacific Noncontiguous	0	0	0	32	2	0	0	1
Alaska	0	0	0	0	12	0	0	2
Hawaii	0	0	0	32	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, November 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	4	0	0	0	0	30
Connecticut	0	33	0	0	0	0	195
Maine	0	149	0	0	0	0	0
Massachusetts	0	2	0	0	0	0	64
New Hampshire	0	3	0	0	0	0	31
Rhode Island	0	17	0	0	0	0	0
Vermont	0	171	0	0	0	0	49
Middle Atlantic	456	9	0	5	0	0	1
New Jersey	0	181	0	862	0	0	0
New York	456	9	0	5	0	0	1
Pennsylvania	0	135	0	0	0	0	16
East North Central	0	2	0	2	0	0	14
Illinois	0	9	0	0	0	0	143
Indiana	0	4	0	1	0	0	21
Michigan	2	5	0	12	0	0	32
Ohio	1	2	0	1	0	0	21
Wisconsin	1	8	0	9	0	0	28
West North Central	1	3	0	10	0	0	5
Iowa	3	6	0	24	0	0	39
Kansas	0	6	0	66	0	0	0
Minnesota	3	7	0	6	0	0	71
Missouri	1	6	0	9	0	0	17
Nebraska	2	5	0	1	0	0	30
North Dakota	3	5	0	4,842	0	0	0
South Dakota	6	128	0	22	0	0	1
South Atlantic	0	2	0	1	0	0	7
Delaware	0	314	0	0	0	0	0
Florida	1	4	0	1	0	0	81
Georgia	0	2	0	0	0	0	11
Maryland	0	27	0	0	0	0	0
North Carolina	0	1	0	2	0	0	10
South Carolina	0	10	0	0	0	0	14
Virginia	0	4	0	0	0	0	32
West Virginia	0	0	0	0	0	0	47
East South Central	1	2	0	4	0	0	4
Alabama	1	0	0	12	0	0	5
Kentucky	1	3	0	0	0	0	8
Mississippi	0	10	0	0	0	0	0
Tennessee	2	7	0	25	0	0	7
West South Central	0	1	0	2	0	0	9
Arkansas	0	0	0	10	0	0	13
Louisiana	0	2	0	3	0	0	0
Oklahoma	0	7	0	1	0	0	11
Texas	0	0	0	4	0	0	29
Mountain	1	2	0	2	0	0	3
Arizona	0	0	0	2	0	0	2
Colorado	1	19	0	3	0	0	31
Idaho	0	490	0	0	0	0	9
Montana	118	1,080	0	114	0	0	4
Nevada	0	1	0	0	0	0	1
New Mexico	0	1	0	8	0	0	70
Utah	2	10	0	3	0	0	38
Wyoming	2	7	0	280	0	0	18
Pacific Contiguous	0	10	0	2	0	0	1
California	0	1	0	3	0	0	4
Oregon	0	0	0	0	0	0	2
Washington	0	92	0	3	0	0	1
Pacific Noncontiguous	0	1	0	12	0	0	16
Alaska	0	1	0	12	0	0	16
Hawaii	0	1	0	0	0	0	201
U.S. Total	0	1	0	1	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, November 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	92	4	0	0	11
Connecticut	0	0	0	0	0	0	0	132
Maine	0	0	0	0	0	0	0	149
Massachusetts	0	0	0	92	45	0	0	36
New Hampshire	0	0	0	0	0	0	0	7
Rhode Island	0	0	0	0	0	0	0	17
Vermont	0	0	0	0	0	0	0	20
Middle Atlantic	0	0	0	46	46	0	0	2
New Jersey	0	0	0	46	46	0	0	8
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	16
East North Central	0	0	0	114	2	0	0	0
Illinois	0	0	0	0	100	0	0	1
Indiana	0	0	0	0	12	0	0	0
Michigan	0	0	0	0	3	0	0	1
Ohio	0	0	0	114	61	0	0	1
Wisconsin	0	0	0	0	1	0	0	1
West North Central	0	0	0	0	1	0	9	1
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	0	0	0	2
Minnesota	0	0	0	0	2	0	0	2
Missouri	0	0	0	0	30	0	0	1
Nebraska	0	0	0	0	10	0	0	1
North Dakota	0	0	0	0	2	0	49	3
South Dakota	0	0	0	0	1	0	0	3
South Atlantic	0	0	0	18	2	0	0	0
Delaware	0	0	0	153	153	0	0	146
Florida	0	0	0	0	5	0	0	1
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	131	131	0	0	76
North Carolina	0	0	0	112	112	0	0	0
South Carolina	0	0	0	0	5	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	20	0	0	1
Alabama	0	0	0	0	193	0	0	2
Kentucky	0	0	0	0	20	0	0	1
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	2
West South Central	0	0	0	0	0	0	0	1
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	1
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	0	0	0	2
Mountain	0	0	0	25	2	0	101	1
Arizona	0	0	0	30	26	0	0	0
Colorado	0	0	0	0	21	0	0	1
Idaho	0	0	0	0	0	0	0	7
Montana	0	0	0	0	0	0	0	9
Nevada	0	0	0	0	0	0	101	0
New Mexico	0	0	0	44	44	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	21	1	0	0	1
California	0	0	0	21	7	0	0	2
Oregon	0	0	0	159	2	0	0	1
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	0	0	0	0	38	0	0	4
Alaska	0	0	0	0	50	0	0	8
Hawaii	0	0	0	0	0	0	0	1
U.S. Total	0	0	0	13	0	0	7	0

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

**Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Electric Utilities by Census Division and State, Year-to-Date through November 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	8
Connecticut	0	19	0	0	0	0	57
Maine	0	101	0	0	0	0	0
Massachusetts	0	1	0	3	0	0	19
New Hampshire	0	1	0	0	0	0	7
Rhode Island	0	12	0	0	0	0	0
Vermont	0	46	0	0	0	0	15
Middle Atlantic	114	2	0	2	0	0	0
New Jersey	0	53	0	108	0	0	0
New York	114	2	0	2	0	0	0
Pennsylvania	0	91	0	466	0	0	3
East North Central	0	1	0	1	0	0	5
Illinois	0	6	0	6	0	0	43
Indiana	0	3	0	1	0	0	7
Michigan	0	2	0	4	0	0	11
Ohio	0	2	0	1	0	0	9
Wisconsin	0	5	0	2	0	0	10
West North Central	0	2	0	2	0	0	2
Iowa	1	6	0	7	0	0	14
Kansas	0	5	0	7	0	0	0
Minnesota	1	6	0	2	0	0	25
Missouri	0	6	0	3	0	0	3
Nebraska	0	3	0	9	0	0	10
North Dakota	1	3	0	622	0	0	0
South Dakota	2	10	0	12	0	0	0
South Atlantic	0	2	0	0	0	0	2
Delaware	0	91	0	247	0	0	0
Florida	0	4	0	0	0	0	24
Georgia	0	4	0	0	0	0	4
Maryland	0	19	0	0	0	0	0
North Carolina	0	2	0	0	0	0	2
South Carolina	0	14	0	0	0	0	4
Virginia	0	2	0	0	0	0	7
West Virginia	0	0	0	0	0	0	14
East South Central	0	2	0	1	0	0	1
Alabama	0	0	0	2	0	0	1
Kentucky	0	4	0	2	0	0	2
Mississippi	0	11	0	0	0	0	0
Tennessee	0	0	0	1	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	1	0	0	0	0	1
Arizona	0	1	0	0	0	0	1
Colorado	0	21	0	1	0	0	7
Idaho	0	332	0	2	0	0	3
Montana	34	1,344	0	27	0	0	2
Nevada	0	1	0	0	0	0	0
New Mexico	0	2	0	2	0	0	24
Utah	1	4	0	1	0	0	13
Wyoming	1	2	0	75	0	0	4
Pacific Contiguous	0	14	0	1	0	0	0
California	0	1	0	1	0	0	2
Oregon	0	0	0	0	0	0	1
Washington	0	197	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	71
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 November 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	44	1	0	0	2
Connecticut	0	0	0	0	0	0	0	42
Maine	0	0	0	0	0	0	0	101
Massachusetts	0	0	0	44	15	0	0	9
New Hampshire	0	0	0	0	0	0	0	1
Rhode Island	0	0	0	0	0	0	0	12
Vermont	0	0	0	0	0	0	0	7
Middle Atlantic	0	0	0	21	21	0	0	1
New Jersey	0	0	0	21	21	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	45	1	0	0	0
Illinois	0	0	0	0	31	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	45	23	0	0	0
Wisconsin	0	0	0	0	0	0	0	0
West North Central	0	0	0	0	0	0	2	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	13	0	0	0
Nebraska	0	0	0	0	3	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	66	66	0	0	143
Florida	0	0	0	0	2	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	50	50	0	0	31
North Carolina	0	0	0	59	59	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	8	0	0	0
Alabama	0	0	0	0	62	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	11	10	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	21	21	0	0	0
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	0	0	0	0
Pacific Contiguous	0	0	0	8	1	0	0	0
California	0	0	0	8	1	0	0	1
Oregon	0	0	0	60	1	0	0	1
Washington	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	0	0	11	0	0	1
Alaska	0	0	0	0	15	0	0	3
Hawaii	0	0	0	0	0	0	0	0
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, November 2013**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	7	17	0	1	0	0	12
Connecticut	0	19	0	1	0	0	59
Maine	0	6	0	0	0	0	15
Massachusetts	8	29	0	2	0	0	31
New Hampshire	0	10	0	0	0	0	24
Rhode Island	0	0	0	0	0	0	483
Vermont	0	0	0	0	0	0	38
Middle Atlantic	2	7	0	1	0	0	13
New Jersey	0	16	0	2	0	0	311
New York	5	12	0	2	0	0	15
Pennsylvania	2	9	0	1	0	0	23
East North Central	0	3	0	2	11	0	57
Illinois	0	0	0	2	0	0	70
Indiana	0	159,936	0	10	0	0	0
Michigan	33	0	0	10	0	0	109
Ohio	0	1	0	1	36	0	0
Wisconsin	0	379	0	0	0	0	126
West North Central	0	38	0	16	0	0	79
Iowa	0	50	0	865	0	0	448
Kansas	0	0	0	0	0	0	292
Minnesota	0	83	0	19	0	0	83
Missouri	0	0	0	33	0	0	0
South Dakota	0	82	0	0	0	0	0
South Atlantic	1	6	0	2	0	0	10
Delaware	2	39	0	0	0	0	0
Florida	0	31	0	4	0	0	0
Georgia	0	18	0	8	0	0	372
Maryland	0	7	0	18	0	0	4
North Carolina	22	100	0	0	0	0	226
South Carolina	0	0	0	9	0	0	136
Virginia	44	5	0	0	0	0	128
West Virginia	0	0	0	0	0	0	12
East South Central	0	69	0	0	0	0	353
Alabama	0	69	0	0	0	0	0
Kentucky	0	0	0	0	0	0	353
Mississippi	0	0	0	4	0	0	0
West South Central	0	0	0	1	0	0	17
Arkansas	0	0	0	0	0	0	147
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	2	0	0	0
Texas	0	0	0	1	0	0	169
Mountain	7	14	0	2	0	0	11
Arizona	0	0	0	0	0	0	0
Colorado	72	0	0	5	0	0	92
Idaho	0	0	0	9	0	0	46
Montana	6	12	0	419	0	0	10
Nevada	0	0	0	3	0	0	138
New Mexico	0	244	0	1	0	0	0
Utah	79	381	0	42	0	0	368
Wyoming	73	0	0	504	0	0	330
Pacific Contiguous	2	5	84	1	0	0	22
California	45	0	84	1	0	0	27
Oregon	0	0	0	1	0	0	48
Washington	0	5	0	0	0	0	53
Pacific Noncontiguous	5	7	0	0	0	0	0
Alaska	37	0	0	0	0	0	0
Hawaii	0	7	0	0	0	0	0
U.S. Total	0	5	3	0	3	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, November 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	40	3	0	5	1
Connecticut	0	0	0	0	4	0	8	1
Maine	0	0	0	0	1	0	11	5
Massachusetts	0	0	0	44	5	0	7	2
New Hampshire	0	0	0	0	10	0	44	2
Rhode Island	0	0	0	222	21	0	0	1
Vermont	0	0	0	103	20	0	0	4
Middle Atlantic	0	0	0	17	1	0	4	0
New Jersey	0	0	0	20	8	0	10	1
New York	0	0	0	20	1	0	6	1
Pennsylvania	0	0	0	40	2	0	6	1
East North Central	0	0	0	33	1	0	23	0
Illinois	0	0	0	52	0	0	0	0
Indiana	0	0	0	79	0	0	0	1
Michigan	0	0	0	0	3	0	23	4
Ohio	0	0	0	51	2	0	0	0
Wisconsin	0	0	0	0	7	0	0	1
West North Central	0	0	0	235	1	0	29	1
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	235	2	0	29	2
Missouri	0	0	0	0	1	0	0	4
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	0	1
South Dakota	0	0	0	0	0	0	0	0
South Atlantic	0	0	0	17	2	0	4	1
Delaware	0	0	0	57	27	0	0	1
Florida	0	0	0	47	3	0	6	3
Georgia	0	0	0	307	9	0	0	7
Maryland	0	0	0	36	3	0	0	0
North Carolina	0	0	0	23	6	0	22	4
South Carolina	0	0	0	0	44	0	0	10
Virginia	0	0	0	0	4	0	0	3
West Virginia	0	0	0	0	0	0	0	0
East South Central	0	0	0	83	8	0	0	0
Alabama	0	0	0	0	4	0	0	0
Kentucky	0	0	0	0	0	0	0	353
Mississippi	0	0	0	0	0	0	0	2
Tennessee	0	0	0	83	18	0	0	18
West South Central	0	0	0	29	0	0	0	0
Arkansas	0	0	0	0	38	0	0	1
Louisiana	0	0	0	0	25	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	29	0	0	0	1
Mountain	0	11	0	3	2	0	3	2
Arizona	0	0	0	3	3	0	0	1
Colorado	0	0	0	22	1	0	102	2
Idaho	0	77	0	0	6	0	0	6
Montana	0	0	0	0	3	0	0	5
Nevada	0	11	0	6	8	0	0	4
New Mexico	0	0	0	20	2	0	0	1
Utah	0	85	0	269	11	0	129	26
Wyoming	0	0	0	0	2	0	0	15
Pacific Contiguous	0	6	0	3	2	0	17	1
California	0	6	0	3	3	0	16	1
Oregon	0	0	0	106	2	0	54	1
Washington	0	0	0	0	1	0	41	1
Pacific Noncontiguous	0	0	0	82	9	0	0	4
Alaska	0	0	0	0	69	0	0	33
Hawaii	0	0	0	82	8	0	0	3
U.S. Total	0	6	0	3	1	0	3	0

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

**Table A.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Independent Power Producers by Census Division and State, Year-to-Date through November 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	3
Connecticut	0	6	0	0	0	0	17
Maine	0	0	0	0	0	0	4
Massachusetts	3	32	0	1	0	0	9
New Hampshire	0	109	0	0	0	0	7
Rhode Island	0	0	0	0	0	0	142
Vermont	0	0	0	0	0	0	11
Middle Atlantic	0	3	0	0	0	0	4
New Jersey	0	3	0	1	0	0	73
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	19
Illinois	0	0	0	1	0	0	21
Indiana	0	101,593	0	2	0	0	0
Michigan	12	0	0	1	0	0	35
Ohio	0	1	0	0	12	0	0
Wisconsin	0	21	0	0	0	0	45
West North Central	0	23	0	2	0	0	27
Iowa	0	34	0	1,073	0	0	158
Kansas	0	0	0	0	0	0	84
Minnesota	0	37	0	2	0	0	29
Missouri	0	0	0	2	0	0	0
South Dakota	0	56	0	0	0	0	0
South Atlantic	0	4	0	0	0	0	3
Delaware	1	4	0	1	0	0	0
Florida	0	49	0	1	0	0	0
Georgia	0	132	0	1	0	0	104
Maryland	0	5	0	2	0	0	1
North Carolina	6	31	0	0	0	0	56
South Carolina	0	0	0	3	0	0	40
Virginia	11	4	0	0	0	0	38
West Virginia	0	0	0	0	0	0	3
East South Central	0	34	0	0	0	0	106
Alabama	0	34	0	0	0	0	0
Kentucky	0	0	0	0	0	0	106
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	44
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	0	0	0	0	0	50
Mountain	2	6	0	0	0	0	4
Arizona	0	0	0	0	0	0	0
Colorado	21	0	0	1	0	0	31
Idaho	0	0	0	2	0	0	11
Montana	2	4	0	100	0	0	4
Nevada	0	0	0	1	0	0	49
New Mexico	0	313	0	1	0	0	0
Utah	26	108	0	12	0	0	130
Wyoming	21	0	0	121	0	0	116
Pacific Contiguous	1	15	40	0	0	0	7
California	5	47	40	0	0	0	9
Oregon	0	0	0	0	0	0	18
Washington	0	4	0	0	0	0	19
Pacific Noncontiguous	1	12	0	0	0	0	0
Alaska	11	0	0	0	0	0	0
Hawaii	0	12	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 November 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	0	0	3	2
Massachusetts	0	0	0	17	2	0	2	1
New Hampshire	0	0	0	0	4	0	11	1
Rhode Island	0	0	0	100	9	0	0	0
Vermont	0	0	0	41	8	0	0	2
Middle Atlantic	0	0	0	7	1	0	1	0
New Jersey	0	0	0	9	3	0	3	0
New York	0	0	0	1	1	0	2	0
Pennsylvania	0	0	0	19	1	0	2	0
East North Central	0	0	0	15	0	0	6	0
Illinois	0	0	0	21	0	0	0	0
Indiana	0	0	0	57	0	0	0	0
Michigan	0	0	0	0	1	0	6	1
Ohio	0	0	0	24	1	0	0	0
Wisconsin	0	0	0	0	3	0	0	0
West North Central	0	0	0	89	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	89	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	7	1	0	1	0
Delaware	0	0	0	23	12	0	0	0
Florida	0	0	0	20	1	0	1	1
Georgia	0	0	0	116	4	0	0	1
Maryland	0	0	0	20	2	0	0	0
North Carolina	0	0	0	9	3	0	9	1
South Carolina	0	0	0	0	19	0	0	3
Virginia	0	0	0	0	2	0	0	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	0	0	0	31	3	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	31	10	0	0	10
West South Central	0	0	0	10	0	0	0	0
Arkansas	0	0	0	0	12	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	10	0	0	0	0
Mountain	0	2	0	2	0	0	1	0
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	10	0	0	24	1
Idaho	0	10	0	0	2	0	0	2
Montana	0	0	0	0	1	0	0	1
Nevada	0	2	0	3	1	0	0	1
New Mexico	0	0	0	8	1	0	0	1
Utah	0	11	0	102	2	0	54	8
Wyoming	0	0	0	0	1	0	0	5
Pacific Contiguous	0	1	0	2	0	0	4	0
California	0	1	0	2	0	0	4	0
Oregon	0	0	0	44	0	0	13	0
Washington	0	0	0	0	0	0	10	0
Pacific Noncontiguous	0	0	0	32	3	0	0	5
Alaska	0	0	0	0	21	0	0	10
Hawaii	0	0	0	32	2	0	0	5
U.S. Total	0	1	0	1	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, November 2013**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	43	0	26	0	0	430
Connecticut	0	3,057	0	57	0	0	0
Maine	0	239	0	215	0	0	0
Massachusetts	0	50	0	20	0	0	430
New Hampshire	0	98	0	266	0	0	0
Rhode Island	0	151	0	166	0	0	0
Vermont	0	368	0	0	0	0	0
Middle Atlantic	164	141	0	24	0	0	504
New Jersey	0	126	0	80	0	0	0
New York	0	162	0	21	0	0	504
Pennsylvania	164	68	0	111	0	0	0
East North Central	29	127	0	29	0	0	631
Illinois	63	197	0	18	0	0	695
Indiana	28	1,072	0	148	0	0	0
Michigan	0	14	0	60	0	0	0
Ohio	358	121	0	66	0	0	0
Wisconsin	252	1,579	0	131	0	0	0
West North Central	25	160	0	135	0	0	0
Iowa	43	146	0	301	0	0	0
Minnesota	0	197	0	173	0	0	0
Missouri	0	227	0	0	0	0	0
Nebraska	0	0	0	3,053	0	0	0
North Dakota	0	265	0	0	0	0	0
South Dakota	0	385	0	0	0	0	0
South Atlantic	27	76	0	61	0	0	542
District of Columbia	0	0	0	140	0	0	0
Florida	0	0	0	141	0	0	0
Georgia	0	51	0	0	0	0	0
Maryland	143	85	0	82	0	0	0
North Carolina	0	143	0	0	0	0	564
South Carolina	0	202	0	0	0	0	0
Virginia	284	43	0	0	0	0	0
East South Central	120	193	0	79	0	0	0
Mississippi	0	0	0	141	0	0	0
Tennessee	120	193	0	88	0	0	0
West South Central	0	556	0	20	0	0	0
Arkansas	0	0	0	942	0	0	0
Louisiana	0	0	0	95	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	556	0	20	0	0	0
Mountain	0	287	0	17	0	0	0
Arizona	0	287	0	27	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	35	0	0	0
New Mexico	0	0	0	32	0	0	0
Utah	0	0	0	45	0	0	0
Pacific Contiguous	0	94	0	10	0	0	1,533
California	0	94	0	7	0	0	1,533
Oregon	0	0	0	361	0	0	0
Washington	0	1,062	0	292	0	0	0
Pacific Noncontiguous	14	65	0	1,498	0	0	0
Alaska	14	77	0	1,498	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	12	48	0	10	0	0	254

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, November 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	6,566	37	0	28	20
Connecticut	0	0	0	0	0	0	0	57
Maine	0	0	0	0	44	0	28	32
Massachusetts	0	0	0	6,566	105	0	0	19
New Hampshire	0	0	0	0	82	0	0	83
Rhode Island	0	0	0	0	0	0	0	145
Vermont	0	0	0	0	178	0	0	161
Middle Atlantic	0	0	0	42	14	0	8	11
New Jersey	0	0	0	43	14	0	0	24
New York	0	0	0	0	30	0	18	14
Pennsylvania	0	0	0	188	15	0	0	29
East North Central	0	0	0	217	27	0	16	22
Illinois	0	0	0	0	644	0	0	18
Indiana	0	0	0	0	95	0	62	46
Michigan	0	0	0	0	27	0	16	40
Ohio	0	0	0	217	217	0	0	65
Wisconsin	0	0	0	0	115	0	0	101
West North Central	0	0	0	0	35	0	47	36
Iowa	0	0	0	0	85	0	0	41
Minnesota	0	0	0	0	64	0	47	98
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	114	0	0	148
North Dakota	0	0	0	0	0	0	0	265
South Dakota	0	0	0	0	0	0	0	385
South Atlantic	0	0	0	46	17	0	10	17
Delaware	0	0	0	0	190	0	0	190
District of Columbia	0	0	0	0	0	0	0	140
Florida	0	0	0	307	76	0	0	70
Georgia	0	0	0	207	82	0	0	79
Maryland	0	0	0	174	61	0	279	57
North Carolina	0	0	0	48	48	0	0	18
South Carolina	0	0	0	0	0	0	0	73
Virginia	0	0	0	0	17	0	10	11
East South Central	0	0	0	255	255	0	0	70
Mississippi	0	0	0	0	0	0	0	141
Tennessee	0	0	0	255	255	0	0	77
West South Central	0	0	0	259	69	0	0	19
Arkansas	0	0	0	0	197	0	0	201
Louisiana	0	0	0	0	0	0	0	95
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	259	73	0	0	19
Mountain	0	0	0	46	46	0	0	16
Arizona	0	0	0	101	101	0	0	26
Colorado	0	0	0	75	75	0	0	75
Nevada	0	0	0	69	69	0	0	31
New Mexico	0	0	0	0	256	0	0	32
Utah	0	0	0	0	0	0	0	45
Pacific Contiguous	0	0	0	44	12	0	0	8
California	0	0	0	44	12	0	0	7
Oregon	0	0	0	0	98	0	0	225
Washington	0	0	0	0	0	0	0	288
Pacific Noncontiguous	0	0	0	0	0	0	0	7
Alaska	0	0	0	0	0	0	0	19
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	0	0	0	25	8	0	5	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.4.B. Relative Standard Error for Net Generation by Fuel Type:
Commercial Sector by Census Division and State, Year-to-Date through November 2013**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	28	0	9	0	0	127
Connecticut	0	4,735	0	17	0	0	0
Maine	0	152	0	66	0	0	0
Massachusetts	0	33	0	7	0	0	127
New Hampshire	0	60	0	81	0	0	0
Rhode Island	0	95	0	47	0	0	0
Vermont	0	232	0	0	0	0	0
Middle Atlantic	35	213	0	8	0	0	147
New Jersey	0	102	0	24	0	0	0
New York	0	240	0	8	0	0	147
Pennsylvania	35	108	0	31	0	0	0
East North Central	3	110	0	7	0	0	138
Illinois	12	97	0	6	0	0	200
Indiana	4	939	0	43	0	0	0
Michigan	0	10	0	11	0	0	0
Ohio	75	82	0	20	0	0	0
Wisconsin	58	528	0	59	0	0	97
West North Central	7	155	0	19	0	0	0
Iowa	11	90	0	117	0	0	0
Minnesota	0	194	0	35	0	0	0
Missouri	0	154	0	0	0	0	0
Nebraska	0	0	0	489	0	0	0
North Dakota	0	179	0	0	0	0	0
South Dakota	0	261	0	0	0	0	0
South Atlantic	13	50	0	19	0	0	53
District of Columbia	0	0	0	42	0	0	0
Florida	0	0	0	42	0	0	0
Georgia	0	35	0	0	0	0	0
Maryland	37	54	0	25	0	0	0
North Carolina	0	97	0	0	0	0	49
South Carolina	0	137	0	156	0	0	364
Virginia	69	25	0	0	0	0	0
East South Central	29	131	0	25	0	0	0
Mississippi	0	0	0	56	0	0	0
Tennessee	29	131	0	27	0	0	0
West South Central	0	443	0	7	0	0	0
Arkansas	0	0	0	295	0	0	0
Louisiana	0	0	0	39	0	0	0
Oklahoma	0	2,837	0	52	0	0	0
Texas	0	444	0	7	0	0	0
Mountain	0	58	0	8	0	0	0
Arizona	0	195	0	13	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	16	0	0	0
New Mexico	0	0	0	15	0	0	0
Utah	0	0	0	21	0	0	0
Pacific Contiguous	0	146	0	4	0	0	157
California	0	146	0	3	0	0	157
Oregon	0	0	0	56	0	0	0
Washington	0	333	0	144	0	0	0
Pacific Noncontiguous	4	19	0	240	0	0	0
Alaska	4	24	0	240	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	3	60	0	3	0	0	47

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 November 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	17
Maine	0	0	0	0	13	0	12	10
Massachusetts	0	0	0	208	35	0	0	7
New Hampshire	0	0	0	0	23	0	0	28
Rhode Island	0	0	0	0	0	0	0	42
Vermont	0	0	0	0	65	0	0	84
Middle Atlantic	0	0	0	17	4	0	3	5
New Jersey	0	0	0	17	6	0	0	8
New York	0	0	0	0	9	0	8	7
Pennsylvania	0	0	0	107	4	0	0	9
East North Central	0	0	0	82	7	0	5	4
Illinois	0	0	0	0	493	0	0	6
Indiana	0	0	0	0	27	0	26	11
Michigan	0	0	0	0	6	0	5	6
Ohio	0	0	0	82	82	0	0	19
Wisconsin	0	0	0	0	40	0	0	35
West North Central	0	0	0	0	14	0	20	7
Iowa	0	0	0	0	27	0	0	10
Minnesota	0	0	0	0	21	0	20	20
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	36	0	0	40
North Dakota	0	0	0	0	0	0	0	179
South Dakota	0	0	0	0	0	0	0	261
South Atlantic	0	0	0	25	5	0	4	6
Delaware	0	0	0	0	60	0	0	60
District of Columbia	0	0	0	0	0	0	0	42
Florida	0	0	0	116	24	0	0	24
Georgia	0	0	0	78	26	0	0	25
Maryland	0	0	0	67	21	0	122	18
North Carolina	0	0	0	27	27	0	0	10
South Carolina	0	0	0	0	0	0	0	191
Virginia	0	0	0	0	5	0	4	4
East South Central	0	0	0	88	88	0	0	22
Mississippi	0	0	0	0	0	0	0	56
Tennessee	0	0	0	88	88	0	0	23
West South Central	0	0	0	98	22	0	0	7
Arkansas	0	0	0	0	59	0	0	60
Louisiana	0	0	0	0	0	0	0	39
Oklahoma	0	0	0	0	0	0	0	52
Texas	0	0	0	98	24	0	0	7
Mountain	0	0	0	19	17	0	0	7
Arizona	0	0	0	39	38	0	0	12
Colorado	0	0	0	35	28	0	0	24
Nevada	0	0	0	28	28	0	0	15
New Mexico	0	0	0	0	76	0	0	15
Utah	0	0	0	0	0	0	0	21
Pacific Contiguous	0	0	0	18	4	0	0	5
California	0	0	0	18	4	0	0	5
Oregon	0	0	0	0	27	0	0	35
Washington	0	0	0	0	0	0	0	138
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	2	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, November 2013**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	51	36	0	12	0	0	38
Connecticut	0	200	0	62	0	0	0
Maine	0	36	0	10	0	0	36
Massachusetts	93	63	0	92	0	0	485
New Hampshire	0	144	0	205	0	0	701
Vermont	0	0	0	0	0	0	207
Middle Atlantic	12	10	46	29	13	0	130
New Jersey	0	422	114	52	49	0	0
New York	0	6	0	59	0	0	130
Pennsylvania	18	138	51	40	10	0	0
East North Central	6	22	20	38	11	0	89
Illinois	7	1,552	0	64	38	0	0
Indiana	74	5	0	36	9	0	0
Michigan	27	54	63	124	0	0	210
Ohio	19	68	1,929	111	27	0	0
Wisconsin	10	144	0	118	0	0	98
West North Central	8	136	0	142	96	0	115
Iowa	8	124	0	476	0	0	0
Kansas	0	0	0	133	0	0	0
Minnesota	21	209	0	195	0	0	115
Missouri	81	0	0	940	0	0	0
Nebraska	27	0	0	721	0	0	0
North Dakota	56	206	0	492	96	0	0
South Atlantic	10	23	0	6	0	0	13
Delaware	0	0	0	0	0	0	0
Florida	55	52	0	11	0	0	0
Georgia	17	26	0	14	0	0	211
Maryland	0	0	0	122	0	0	0
North Carolina	52	51	0	49	0	0	17
South Carolina	12	0	0	37	0	0	0
Virginia	25	95	0	17	0	0	282
West Virginia	4	0	0	295	0	0	14
East South Central	4	59	0	9	16	0	16
Alabama	23	60	0	12	16	0	0
Kentucky	0	0	0	66	0	0	0
Mississippi	0	0	0	10	0	0	0
Tennessee	2	877	0	13	0	0	16
West South Central	35	25	25	1	5	0	0
Arkansas	0	0	0	20	0	0	0
Louisiana	0	0	40	1	5	0	0
Oklahoma	41	77	0	67	0	0	0
Texas	0	292	18	2	10	0	0
Mountain	22	104	0	16	8	0	0
Colorado	298	1,330	0	72	0	0	0
Idaho	60	0	0	178	0	0	0
Montana	185	0	0	0	0	0	0
Nevada	0	0	0	18	0	0	0
New Mexico	0	776	0	0	0	0	0
Utah	41	317	0	12	298	0	0
Wyoming	26	106	0	40	7	0	0
Pacific Contiguous	0	36	0	3	6	0	870
California	0	32	0	2	6	0	0
Oregon	0	0	0	148	0	0	0
Washington	0	39	0	0	0	0	870
Pacific Noncontiguous	131	11	0	352	68	0	140
Alaska	0	9	0	352	370	0	0
Hawaii	131	19	0	0	68	0	140
U.S. Total	4	9	16	1	5	0	11

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, November 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	21	6
Connecticut	0	0	0	0	0	0	0	61
Maine	0	0	0	0	3	0	29	6
Massachusetts	0	0	0	0	0	0	0	15
New Hampshire	0	0	0	0	0	0	0	216
Vermont	0	0	0	0	0	0	0	207
Middle Atlantic	0	0	0	97	7	0	0	10
New Jersey	0	0	0	234	234	0	0	37
New York	0	0	0	0	7	0	0	16
Pennsylvania	0	0	0	106	9	0	0	11
East North Central	0	0	0	0	6	0	7	5
Illinois	0	0	0	0	0	0	16	8
Indiana	0	0	0	0	105	0	0	8
Michigan	0	0	0	0	8	0	0	22
Ohio	0	0	0	0	13	0	0	16
Wisconsin	0	0	0	0	9	0	46	11
West North Central	0	0	0	0	9	0	38	9
Iowa	0	0	0	0	0	0	0	9
Kansas	0	0	0	0	0	0	0	133
Minnesota	0	0	0	0	8	0	38	18
Missouri	0	0	0	0	198	0	0	75
Nebraska	0	0	0	0	0	0	0	33
North Dakota	0	0	0	0	156	0	0	69
South Atlantic	0	0	0	0	2	0	4	2
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	6	0	4	5
Georgia	0	0	0	0	3	0	3	4
Maryland	0	0	0	0	0	0	0	20
North Carolina	0	0	0	0	5	0	0	8
South Carolina	0	0	0	0	2	0	0	3
Virginia	0	0	0	0	4	0	0	7
West Virginia	0	0	0	0	0	0	0	6
East South Central	0	0	0	0	3	0	82	3
Alabama	0	0	0	0	4	0	0	4
Kentucky	0	0	0	0	3	0	0	22
Mississippi	0	0	0	0	3	0	291	4
Tennessee	0	0	0	0	8	0	0	5
West South Central	0	0	0	0	3	0	8	1
Arkansas	0	0	0	0	3	0	0	4
Louisiana	0	0	0	0	5	0	7	1
Oklahoma	0	0	0	0	20	0	56	22
Texas	0	0	0	0	10	0	15	2
Mountain	0	0	0	271	4	0	9	10
Colorado	0	0	0	0	290	0	43	48
Idaho	0	0	0	0	3	0	0	17
Montana	0	0	0	0	0	0	0	185
Nevada	0	0	0	271	271	0	0	17
New Mexico	0	0	0	0	0	0	0	776
Utah	0	0	0	0	0	0	0	17
Wyoming	0	0	0	0	0	0	0	18
Pacific Contiguous	0	0	0	171	5	0	7	2
California	0	0	0	171	12	0	8	2
Oregon	0	0	0	0	8	0	0	28
Washington	0	0	0	0	6	0	0	5
Pacific Noncontiguous	0	0	0	0	44	0	0	41
Alaska	0	0	0	0	262	0	0	150
Hawaii	0	0	0	0	44	0	0	33
U.S. Total	0	0	0	81	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 November 2013**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	12	18	0	4	0	0	9
Connecticut	0	91	0	18	0	0	0
Maine	0	25	0	4	0	0	9
Massachusetts	26	20	0	26	0	0	141
New Hampshire	0	98	0	62	0	0	170
Vermont	0	0	0	0	0	0	62
Middle Atlantic	4	11	26	9	4	0	39
New Jersey	0	148	56	16	16	0	0
New York	0	9	0	18	0	0	39
Pennsylvania	6	111	29	12	3	0	0
East North Central	2	22	15	9	3	0	31
Illinois	2	1,050	0	18	12	0	0
Indiana	21	5	0	11	3	0	0
Michigan	8	18	35	22	0	0	74
Ohio	6	114	128	33	9	0	0
Wisconsin	2	81	0	26	0	0	35
West North Central	2	39	0	21	32	0	35
Iowa	2	84	0	101	0	0	0
Kansas	0	0	0	25	0	0	0
Minnesota	6	52	0	30	0	0	35
Missouri	19	0	0	269	0	0	0
Nebraska	8	0	0	104	0	0	0
North Dakota	16	65	0	74	32	0	0
South Atlantic	3	8	0	2	0	0	3
Delaware	0	0	0	0	0	0	0
Florida	16	22	0	4	0	0	0
Georgia	4	9	0	5	0	0	64
Maryland	0	0	0	35	0	0	0
North Carolina	15	37	0	15	0	0	5
South Carolina	4	0	0	15	0	0	0
Virginia	7	14	0	8	0	0	84
West Virginia	2	0	0	82	0	0	3
East South Central	1	19	0	3	4	0	5
Alabama	8	20	0	4	5	0	0
Kentucky	0	0	0	21	0	0	0
Mississippi	0	0	0	3	0	0	0
Tennessee	1	326	0	12	0	0	5
West South Central	10	9	8	0	2	0	0
Arkansas	0	0	0	7	0	0	0
Louisiana	145	0	22	1	1	0	0
Oklahoma	12	52	0	22	0	0	0
Texas	0	112	3	1	3	0	0
Mountain	3	34	0	4	3	0	0
Colorado	81	900	0	37	0	0	0
Idaho	17	0	0	29	0	0	0
Montana	45	0	0	0	0	0	0
Nevada	0	0	0	10	0	0	0
New Mexico	0	525	0	156	0	0	0
Utah	2	408	0	6	89	0	0
Wyoming	7	34	0	7	3	0	0
Pacific Contiguous	0	11	0	1	2	0	307
California	0	6	0	1	2	0	0
Oregon	0	0	0	28	0	0	0
Washington	0	17	0	0	0	0	307
Pacific Noncontiguous	38	11	0	60	22	0	50
Alaska	0	6	0	60	137	0	0
Hawaii	38	18	0	0	22	0	50
U.S. Total	1	5	7	0	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 November 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	12	2
Massachusetts	0	0	0	0	0	0	0	5
New Hampshire	0	0	0	0	0	0	0	61
Vermont	0	0	0	0	0	0	0	62
Middle Atlantic	0	0	0	47	3	0	0	4
New Jersey	0	0	0	117	117	0	0	12
New York	0	0	0	0	2	0	0	5
Pennsylvania	0	0	0	52	4	0	0	4
East North Central	0	0	0	0	2	0	3	2
Illinois	0	0	0	0	0	0	7	3
Indiana	0	0	0	0	34	0	0	3
Michigan	0	0	0	0	3	0	0	6
Ohio	0	0	0	0	4	0	0	5
Wisconsin	0	0	0	0	3	0	19	3
West North Central	0	0	0	0	3	0	16	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	16	4
Missouri	0	0	0	0	85	0	0	19
Nebraska	0	0	0	0	0	0	0	8
North Dakota	0	0	0	0	100	0	0	16
South Atlantic	0	0	0	0	1	0	1	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	6
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	2
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	2	0	0	11
Mississippi	0	0	0	0	1	0	56	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	24	7
Texas	0	0	0	0	3	0	6	1
Mountain	0	0	0	99	1	0	4	2
Colorado	0	0	0	0	77	0	18	17
Idaho	0	0	0	0	1	0	0	4
Montana	0	0	0	0	0	0	0	45
Nevada	0	0	0	99	99	0	0	10
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	66	2	0	3	1
California	0	0	0	66	4	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	14	0	0	11
Alaska	0	0	0	0	127	0	0	26
Hawaii	0	0	0	0	14	0	0	12
U.S. Total	0	0	0	36	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, November 2013**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	1	2	0	1
Connecticut	0	1	6	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	8	0	2
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	3	0	0
New York	0	0	3	0	0
Pennsylvania	0	0	1	0	0
East North Central	0	0	1	0	0
Illinois	1	1	2	0	1
Indiana	1	1	2	0	1
Michigan	1	1	1	0	0
Ohio	1	1	2	0	1
Wisconsin	1	1	2	0	1
West North Central	1	1	1	0	1
Iowa	2	2	2	0	1
Kansas	2	2	3	0	1
Minnesota	2	1	2	0	1
Missouri	1	1	5	0	1
Nebraska	2	2	2	0	1
North Dakota	2	1	4	0	1
South Dakota	3	3	4	0	2
South Atlantic	0	0	1	0	0
Delaware	1	2	8	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	2	0	0
Georgia	1	1	2	0	1
Maryland	1	1	4	0	1
North Carolina	1	1	1	0	1
South Carolina	1	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	1	1	1	0	1
Kentucky	1	2	3	0	1
Mississippi	2	2	2	0	1
Tennessee	1	2	5	0	1
West South Central	1	1	1	5	0
Arkansas	2	2	2	405	1
Louisiana	1	1	1	0	1
Oklahoma	2	1	2	0	1
Texas	1	1	1	0	0
Mountain	1	1	1	0	0
Arizona	1	1	1	0	1
Colorado	2	2	2	0	1
Idaho	1	1	2	0	1
Montana	3	2	3	0	1
Nevada	1	1	0	0	0
New Mexico	3	3	3	0	2
Utah	3	2	1	0	1
Wyoming	3	2	1	0	1
Pacific Contiguous	1	0	1	0	0
California	1	0	1	0	0
Oregon	1	1	3	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	1	1	1	0	1
Alaska	3	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 November 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	4	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	1	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, November 2013**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	1	2	0	0
Connecticut	0	1	4	0	1
Maine	0	1	3	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	8	0	2
Middle Atlantic	0	0	1	0	0
New Jersey	0	0	3	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	0	0	1	0	0
Illinois	1	1	3	0	1
Indiana	1	2	2	0	1
Michigan	1	1	1	0	0
Ohio	1	1	3	0	1
Wisconsin	1	1	2	0	1
West North Central	1	1	2	0	1
Iowa	2	2	3	0	1
Kansas	2	2	4	0	1
Minnesota	2	1	2	0	1
Missouri	1	2	7	0	1
Nebraska	2	2	4	0	2
North Dakota	2	1	4	0	1
South Dakota	3	3	5	0	2
South Atlantic	0	0	1	0	0
Delaware	1	2	11	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	3	0	0
Georgia	1	1	3	0	1
Maryland	1	1	3	0	1
North Carolina	1	1	2	0	1
South Carolina	1	1	2	0	1
Virginia	1	1	2	0	1
West Virginia	0	1	1	0	0
East South Central	1	1	2	0	1
Alabama	1	1	2	0	1
Kentucky	2	2	4	0	2
Mississippi	2	2	4	0	1
Tennessee	1	2	7	0	1
West South Central	1	1	1	7	0
Arkansas	2	2	3	411	1
Louisiana	1	1	1	0	1
Oklahoma	2	2	4	0	1
Texas	1	1	2	0	1
Mountain	1	1	1	0	1
Arizona	2	1	3	0	1
Colorado	3	2	4	0	2
Idaho	1	1	2	0	1
Montana	2	2	5	0	2
Nevada	1	1	1	0	1
New Mexico	5	4	7	0	3
Utah	4	3	2	0	2
Wyoming	3	2	1	0	1
Pacific Contiguous	0	0	1	0	0
California	1	0	2	0	0
Oregon	1	1	3	0	1
Washington	1	1	3	0	1
Pacific Noncontiguous	1	1	1	0	1
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 November 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	1	1	33	0
Connecticut	0	0	2	0	0
Maine	0	1	2	0	0
Massachusetts	1	1	2	73	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	15	0
Delaware	1	5	5	0	2
District of Columbia	0	4	0	40	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	0	1	3	0	1
West South Central	0	0	1	2	0
Arkansas	1	1	2	296	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	0	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, November 2013**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	0	1	0	0
Connecticut	0	0	4	0	1
Maine	0	0	1	0	0
Massachusetts	0	1	2	0	1
New Hampshire	0	0	2	0	0
Rhode Island	0	0	0	0	0
Vermont	1	2	3	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	0	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	0	0	0
Ohio	0	0	2	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	0	1	0	0
Missouri	1	1	3	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	2	0	0
Georgia	1	1	2	0	1
Maryland	0	1	2	0	0
North Carolina	0	1	1	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	1	1	0	0
Alabama	1	1	1	0	1
Kentucky	1	1	2	0	1
Mississippi	1	1	3	0	1
Tennessee	1	1	3	0	1
West South Central	0	0	1	3	0
Arkansas	1	1	2	99	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	1	1	2	0	1
Colorado	1	1	3	0	1
Idaho	1	1	1	0	0
Montana	1	1	2	0	1
Nevada	0	1	1	0	0
New Mexico	2	2	4	0	2
Utah	1	2	1	0	1
Wyoming	1	1	1	0	0
Pacific Contiguous	0	0	1	0	0
California	0	0	1	0	0
Oregon	1	0	1	0	0
Washington	0	0	1	0	0
Pacific Noncontiguous	1	1	1	0	0
Alaska	2	1	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 November 2013**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	1	1	33	0
Connecticut	0	1	3	0	0
Maine	0	1	2	0	1
Massachusetts	0	1	2	73	1
New Hampshire	0	1	3	0	1
Rhode Island	1	6	0	0	2
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	15	0
Delaware	0	5	6	0	2
District of Columbia	0	4	0	40	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	2	2	370	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
2013	11	11/02/2013 12:00 AM	11/04/2013 6:00 AM	54 Hours, 0 Minutes	Puget Sound Energy	WECC	King, Whatcom, and Skagit, Washington	Severe Weather - Heavy Winds	Unknown	105000
2013	11	11/12/2013 9:14 AM	ongoing	ongoing	Farmers' Electric Coop, Inc	SPP	Eastern Central New Mexico	Loss of Power from Wholesale Provider; Major Distribution Disruption	Unknown	Unknown
2013	11	11/12/2013 2:04 PM	11/12/2013 2:05 PM	0 Hours, 1 Minutes	Pacific Gas & Electric Co	WECC	Valle, California	Electrical System Separation (Islanding)	55	48400
2013	11	11/17/2013 7:00 AM	11/20/2013 6:54 PM	83 Hours, 54 Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Ice and Snow Storm	Unknown	325325
2013	11	11/17/2013 12:35 PM	11/17/2013 1:40 PM	1 Hours, 5 Minutes	City of Rochelle	RFC	Rochelle, Indiana	System-wide voltage reductions of 3 percent or more	38	7500
2013	11	11/17/2013 12:35 PM	11/20/2013 11:00 AM	70 Hours, 25 Minutes	Ameren Missouri	SERC	Central Missouri, Central Illinois	Severe Weather - Tornadoes	Unknown	200000
2013	11	11/17/2013 1:06 PM	11/20/2013 1:06 PM	72 Hours, 0 Minutes	Northern Indiana Public Service Company	RFC	North Central Indiana	Severe Weather - Thunderstorms	Unknown	75065
2013	11	11/17/2013 2:31 PM	11/17/2013 10:30 PM	7 Hours, 59 Minutes	Commonwealth Edison Co	RFC	Entire ComEd Territory Illinois	Severe Weather - Thunderstorms	Unknown	190000
2013	11	11/17/2013 4:19 PM	11/18/2013 6:00 PM	25 Hours, 41 Minutes	American Electric Power	RFC	Indiana, Michigan	Severe Weather - Thunderstorms	Unknown	77346
2013	11	11/17/2013 4:45 PM	11/21/2013 4:45 PM	96 Hours, 0 Minutes	Consumers Energy Co	RFC	Entire Lower Peninsula Michigan	Severe Weather - Thunderstorms	Unknown	50000
2013	11	11/17/2013 4:47 PM	11/20/2013 11:59 AM	67 Hours, 12 Minutes	Duke Energy Indiana Inc	RFC	Central Indiana	Severe Weather - Tornadoes	535	61705
2013	11	11/17/2013 4:47 PM	11/20/2013 4:47 PM	72 Hours, 0 Minutes	Duke Energy Midwest	RFC	Central Indiana	Severe Weather - Thunderstorms	Unknown	61705
2013	11	11/21/2013 7:45 PM	11/22/2013 3:20 AM	7 Hours, 35 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather - Wind Storm	150	89500

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/REMEVC	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/CONVEK	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:

$$CapacityFactor = \left(\frac{\sum_{x,m} Generation_{x,m}}{\sum_{x,m} Generation_{x,m} * AvailableTime_{x,m}} \right)$$

Where x represents generators of that fuel/technology combination and m represents the period of time (month or year). Generation and capacity are specific to a generator, and the generator is categorized by its primary fuel type as reported on the EIA-860. All generation from that generator is included, regardless of other fuels consumed. Available time is also specific to the generator in order to account for differing online and retirement dates. Therefore, these published capacity factors will differ from a simple calculation using annual generation and capacity totals from the appropriate tables in this publication.

NERC classification

The Florida Reliability Coordinating Council (FRCC) separated itself from the Southeastern Electric Reliability Council (SERC) in the mid-1990s. In 1998, several utilities realigned from Southwest Power Pool (SPP) to SERC. Name changes altered both the Mid-Continent Area Power Pool (MAPP) to the Midwest Reliability Organization (MRO) and the Western Systems Coordinating Council (WSCC) to the Western Energy Coordinating Council (WECC). The MRO membership boundaries have altered over time, but WECC membership boundaries have not. The utilities in the associated regional entity identified as the Alaska System Coordination Council (ASCC) dropped their formal participation in NERC. Both the States of Alaska and Hawaii are not contiguous with the other continental States and have no electrical interconnections. At the close of calendar year 2005, the following reliability regional councils were dissolved: East Central Area Reliability Coordinating Agreement (ECAR), Mid-Atlantic Area Council (MAAC), and Mid-America Interconnected Network (MAIN).

On January 1, 2006, the ReliabilityFirst Corporation (RFC) came into existence as a new regional reliability council. Individual utility membership in the former ECAR, MAAC, and MAIN councils mostly shifted to RFC. However, adjustments in membership as utilities joined or left various reliability councils impacted MRO, SERC, and SPP. The Texas Regional Entity (TRE) was formed from a delegation of authority from NERC to handle the regional responsibilities of the Electric Reliability Council of Texas (ERCOT). The revised delegation agreements covering all the regions were approved by the Federal Energy Regulatory Commission on March 21, 2008. Reliability Councils that are unchanged include: Florida Reliability Coordinating Council (FRCC), Northeast Power Coordinating Council (NPCC), and the Western Energy Coordinating Council (WECC)

The new NERC Regional Council names are as follows:

- Florida Reliability Coordinating Council (FRCC),
- Midwest Reliability Organization (MRO),
- Northeast Power Coordinating Council (NPCC),
- ReliabilityFirst Corporation (RFC),
- Southeastern Electric Reliability Council (SERC),
- Southwest Power Pool (SPP),
- Texas Regional Entity (TRE), and
- Western Energy Coordinating Council (WECC).

Business classification

Nonutility power producers consist of corporations, persons, agencies, authorities, or other legal entities that own or operate facilities for electric generation but are not electric utilities. This includes qualifying cogenerators, small power producer, and independent power producers. Furthermore, nonutility power producers do not have a designated franchised service area. In addition to entities whose primary business is the production and sale of electric power, entities with other primary business classifications can and do sell electric power. These can consist of manufacturing, agricultural, forestry, transportation, finance, service and administrative industries, based on the Office of Management and Budget's Standard Industrial Classification (SIC) Manual. In 1997, the SIC Manual name was changed to North American Industry Classification System (NAICS). The following is a list of the main classifications and the category of primary business activity within each classification.

Agriculture, Forestry, and Fishing

- 111 Agriculture production-crops
- 112 Agriculture production, livestock and animal specialties
- 113 Forestry
- 114 Fishing, hunting, and trapping
- 115 Agricultural services

Mining

- 211 Oil and gas extraction
- 2121 Coal mining
- 2122 Metal mining

2123 Mining and quarrying of nonmetallic minerals except fuels

Construction

23

Manufacturing

311 Food and kindred products
3122 Tobacco products
314 Textile and mill products
315 Apparel and other finished products made from fabrics and similar materials
316 Leather and leather products
321 Lumber and wood products, except furniture
322 Paper and allied products (other than 322122 or 32213)
322122 Paper mills, except building paper
32213 Paperboard mills
323 Printing and publishing
324 Petroleum refining and related industries (other than 32411)
32411 Petroleum refining
325 Chemicals and allied products (other than 325188, 325211, 32512, or 325311)
32512 Industrial organic chemicals
325188 Industrial Inorganic Chemicals
325211 Plastics materials and resins
325311 Nitrogenous fertilizers
326 Rubber and miscellaneous plastic products
327 Stone, clay, glass, and concrete products (other than 32731)
32731 Cement, hydraulic
331 Primary metal industries (other than 331111 or 331312)
331111 Blast furnaces and steel mills
331312 Primary aluminum
332 Fabricated metal products, except machinery and transportation equipment
333 Industrial and commercial equipment and components except computer equipment
3345 Measuring, analyzing, and controlling instruments, photographic, medical, and optical goods, watches and clocks
335 Electronic and other electrical equipment and components except computer equipment
336 Transportation equipment
337 Furniture and fixtures
339 Miscellaneous manufacturing industries

Transportation and Public Utilities

- 22 Electric, gas, and sanitary services
- 2212 Natural gas transmission
- 2213 Water supply
- 22131 Irrigation systems
- 22132 Sewerage systems
- 481 Transportation by air
- 482 Railroad transportation
- 483 Water transportation
- 484 Motor freight transportation and warehousing
- 485 Local and suburban transit and interurban highway passenger transport
- 486 Pipelines, except natural gas
- 487 Transportation services
- 491 United States Postal Service
- 513 Communications
- 562212 Refuse systems

Wholesale Trade

421 to 422

Retail Trade

441 to 454

Finance, Insurance, and Real Estate

521 to 533

Services

- 512 Motion pictures
- 514 Business services
 - 514199 Miscellaneous services
- 541 Legal services
- 561 Engineering, accounting, research, management, and related services
- 611 Education services
- 622 Health services
- 624 Social services
- 712 Museums, art galleries, and botanical and zoological gardens
- 713 Amusement and recreation services
- 721 Hotels
- 811 Miscellaneous repair services
- 8111 Automotive repair, services, and parking
- 812 Personal services
- 813 Membership organizations
- 814 Private households

Public Administration

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, November 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	25.74	6.18	--	1.03
Connecticut	--	6.17	--	1.03
Maine	25.19	6.40	--	1.03
Massachusetts	23.86	6.16	--	1.04
New Hampshire	27.06	6.04	--	1.03
Rhode Island	--	5.82	--	1.03
Vermont	--	--	--	--
Middle Atlantic	24.71	6.12	--	1.03
New Jersey	25.13	5.78	--	1.03
New York	21.83	6.26	--	1.03
Pennsylvania	24.83	5.80	--	1.04
East North Central	20.04	5.78	27.86	1.03
Illinois	17.73	5.77	--	1.00
Indiana	22.39	5.79	--	1.02
Michigan	18.36	5.86	26.77	1.02
Ohio	23.89	5.75	28.41	1.04
Wisconsin	18.21	5.83	28.40	1.02
West North Central	16.72	5.78	--	1.03
Iowa	17.27	5.79	--	1.04
Kansas	17.28	5.76	--	1.02
Minnesota	17.79	5.80	--	1.03
Missouri	17.58	5.78	--	1.02
Nebraska	17.21	5.77	--	1.03
North Dakota	13.04	5.76	--	--
South Dakota	16.50	--	--	1.04
South Atlantic	23.42	5.81	28.72	1.02
Delaware	26.08	--	--	1.07
District of Columbia	--	--	--	--
Florida	23.40	5.82	28.81	1.02
Georgia	19.69	5.83	28.10	1.02
Maryland	24.96	5.81	--	1.06
North Carolina	24.87	5.79	--	1.02
South Carolina	25.19	5.81	--	1.02
Virginia	22.31	5.84	--	1.04
West Virginia	24.35	5.77	--	1.04
East South Central	21.06	5.82	28.29	1.02
Alabama	19.88	5.80	--	1.02
Kentucky	22.69	5.84	28.29	1.02
Mississippi	13.67	5.81	--	1.02
Tennessee	20.88	5.76	--	1.00
West South Central	16.12	5.84	28.97	1.03
Arkansas	17.39	5.88	--	1.02
Louisiana	17.13	5.80	28.97	1.03
Oklahoma	17.31	--	--	1.04
Texas	15.43	5.83	--	1.02
Mountain	18.79	5.74	--	1.03
Arizona	19.53	5.72	--	1.02
Colorado	18.77	5.70	--	1.03
Idaho	--	--	--	1.01
Montana	17.17	5.92	--	--
Nevada	19.19	5.81	--	1.03
New Mexico	17.70	5.66	--	1.04
Utah	21.66	5.85	--	1.03
Wyoming	17.58	5.82	--	1.04
Pacific Contiguous	17.52	5.90	--	1.03
California	23.11	--	--	1.03
Oregon	16.92	--	--	1.02
Washington	17.08	5.90	--	1.03
Pacific Noncontiguous	19.74	6.16	--	1.00
Alaska	--	--	--	1.00
Hawaii	19.74	6.16	--	--
U.S. Total	19.42	6.09	28.51	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.