

Electric Power Monthly with Data for January 2015

March 2015















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	Peter Wong
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
Lacentire	Dullillul

- 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,
- 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. C	onsumption 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 Usefu 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
_	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.	
Table 4.14.	Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (Al 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: Commercia
	Combined Heat and Power Producers by State
Table 4.18.	Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industria
	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

Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Table 5.4.B. Table 5.5.A. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by 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 Retired Utility Scale Generating Units by Operating Company, Plant, and Month Table 6.4. 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

Appendices

Figure 6.1.A.

Figure 6.1.B.

Figure 6.1.C.

Figure 6.1.D.

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

Utility Scale Generating Units Added

Utility Scale Generating Units Retired

Utility Scale Generating Units Planned to Come Online Utility Scale Generating Units Planned to Retire

- 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, 2015 and 2014

			Net Genera	ation and Consu	mption of Fuels	for January					
	To	Total (All Sectors)			Electric Po	wer Sector		Comm	nercial	Indus	strial
		<u>'</u>				Independe					
			D	Electric	Utilities	Producers					
Fuel	January 2015	January 2014	Percentage Change	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014
Net Generation (Thousand Megawatthours)											
Coal	132,742	157,316	-15.6%	99,479	118,756	32,201	37,261	57	97	1,005	1,202
Petroleum Liquids	1,953	6,041	-67.7%	1,170	2,540	682	3,280	NM	NM	71	117
Petroleum Coke	1,039	1,181	-12.0%	804	949	129	110	1	1	105	122
Natural Gas	101,330	90,926	11.4%	43,606	39,048	49,491	43,590	605	638	7,628	7,650
Other Gas	1,086	943	15.2%	24	12	350	318	0	0	713	613
Nuclear	74,270	73,064	1.7%	39,377	38,748	34,893	34,316	0	0	0	0
Hydroelectric Conventional	24,459	21,636	13.0%	22,308	19,221	1,881	2,056	NM	NM	266	354
Renewable Sources Excluding Hydroelectric	23,448	25,705	-8.8%	3,092	3,380	17,545	19,544	260	263	2,552	2,517
Wind	15,258	18,017	-15.3%	2,521	2,836	12,721	15,169	NM	NM	NM	NM
Solar Thermal and Photovoltaic	1,173	816	43.7%	72	63	1,076	731	23	21	NM	NM
Wood and Wood-Derived Fuels	3,752	3,701	1.4%	274	268	1,039	1,040	7	5	2,431	2,389
Other Biomass	1,818	1,752	3.8%	129	115	1,355	1,283	219	229	114	124
Geothermal	1,448	1,419	2.0%	95	98	1,353	1,321	0	0	0	0
Hydroelectric Pumped Storage	-528	-290	82.1%	-436	-218	-92	-72	0	0	0	0
Other Energy Sources	1,063	1,009	5.4%	43	30	566	538	94	94	361	347
All Energy Sources	360,863	377,531	-4.4%	209,464	222,467	137,647	140,941	1,050	1,202	12,702	12,921
Consumption of Fossil Fuels for Electricity Ge	neration	. ,						,	, .	, -	-
Coal (1000 tons)	71,518	83,600	-14.5%	52,825	62,364	18,288	20,755	26	31	379	449
Petroleum Liquids (1000 barrels)	3,395	10,637	-68.1%	2,128	4,743	1,119	5,543	72	235	76	117
Petroleum Coke (1000 tons)	386	443	-12.7%	300	349	57	55	0	0	30	39
Natural Gas (1000 Mcf)	744.386	693,701	7.3%	327,173	309.154	357,433	323,905	5.408	5.723	54,372	54,919
Consumption of Fossil Fuels for Useful Therm	al Output	,						-,		- /-	
Coal (1000 tons)	1,583	1,721	-8.0%	0	0	176	193	102	115	1,306	1,413
Petroleum Liquids (1000 barrels)	570	1,113	-48.8%	0	0	107	193	121	381	341	539
Petroleum Coke (1000 tons)	129	118	9.9%	0	0	10	9	2	2	117	108
Natural Gas (1000 Mcf)	79,631	83.146	-4.2%	0	0	28.268	29,951	4.862	4.988	46.501	48,208
Consumption of Fossil Fuels for Electricity Ge	-,	,				,		.,	.,	,	,
Coal (1000 tons)	73,101	85,321	-14.3%	52,825	62,364	18,463	20.948	128	146	1.684	1,862
Petroleum Liquids (1000 barrels)	3,965	11,750	-66.3%	2.128	4,743	1,226	5,736	193	616	417	655
Petroleum Coke (1000 tons)	516	561	-8.0%	300	349	67	64	3	2	147	146
Natural Gas (1000 Mcf)	824,017	776,847	6.1%	327,173	309.154	385,701	353,856	10,270	10,711	100,873	103,127
Fuel Stocks (end-of-month)	02 1,017	. 70,017	0.170	321,110	300,101	000,707	500,000	10,270	10,711	100,070	100,127
Coal (1000 tons)	157,762	136,185	15.8%	119,871	107,614	35,244	26,033	290	360	2,357	2,178
Petroleum Liquids (1000 barrels)	33,515	29,386	14.0%	21.098	20.386	10,477	6,756	355	463	1,585	1,782
Petroleum Coke (1000 tons)	1,110	659	68.5%	21,090 W	20,380	10,477 W	82	333 W	403 W	1,585 W	1,782 W

Sales, Revenue, and Average Retail Price for January												
		Total U.S. Electric Power Industry										
	Retai	I Sales (million I	(Wh)	Retail R	evenue (million	dollars)	Average	Average Retail Price (cents/kWh)				
			Percentage			Percentage			Percentage			
Sector	January 2015	January 2014	Change	January 2015	January 2014	Change	January 2015	January 2014	Change			
Residential	136,798	146,177	-6.4%	16,555	17,032	-2.8%	12.10	11.65	3.9%			
Commercial	111,284	114,169	-2.5%	11,461	11,808	-2.9%	10.30	10.34	-0.4%			
Industrial	76,946	77,028	-0.1%	5,091	5,347	-4.8%	6.62	6.94	-4.6%			
Transportation	653	735	-11.1%	70	76	-7.8%	10.67	10.29	3.7%			
All Sectors	325,682	338,108	-3.7%	33,177	34,263	-3.2%	10.19	10.13	0.6%			

All Sectors 325,682 338,108 -3.7% 33,177 34,263 -3.2% 10.19 1

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

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

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

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

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

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

Table ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date 2015 and 2014

			Net Gener	ation and Consu	mption of Fuels	for January					
	Т	otal (All Sectors)			Electric Po			Comm	ercial	Indus	trial
						Independe					
				Electric		Produ					
Fuel	January 2015 YTD	January 2014 YTD	Percentage Change	January 2015 YTD	January 2014 YTD						
Net Generation (Thousand Megawatthours)											
Coal	132,742	157,316	-15.6%	99,479	118,756	32,201	37,261	57	97	1,005	1,202
Petroleum Liquids	1,953	6,041	-67.7%	1,170	2,540	682	3,280	NM	NM	71	117
Petroleum Coke	1,039	1,181	-12.0%	804	949	129	110	1	1	105	122
Natural Gas	101,330	90,926	11.4%	43,606	39,048	49,491	43,590	605	638	7,628	7,650
Other Gas	1,086	943	15.2%	24	12	350	318	0	0	713	613
Nuclear	74,270	73,064	1.7%	39,377	38,748	34,893	34,316	0	0	0	0
Hydroelectric Conventional	24,459	21,636	13.0%	22,308	19,221	1,881	2,056	NM	NM	266	354
Renewable Sources Excluding Hydroelectric	23,448	25,705	-8.8%	3,092	3,380	17,545	19,544	260	263	2,552	2,517
Wind	15,258	18,017	-15.3%	2,521	2,836	12,721	15,169	NM	NM	NM	NM
Solar Thermal and Photovoltaic	1,173	816	43.7%	72	63	1,076	731	23	21	NM	NM
Wood and Wood-Derived Fuels	3,752	3,701	1.4%	274	268	1,039	1,040	7	5	2,431	2,389
Other Biomass	1,818	1,752	3.8%	129	115	1,355	1,283	219	229	114	124
Geothermal	1,448	1,419	2.0%	95	98	1,353	1,321	0	0	0	0
Hydroelectric Pumped Storage	-528	-290	82.1%	-436	-218	-92	-72	0	0	0	0
Other Energy Sources	1,063	1,009	5.4%	43	30	566	538	94	94	361	347
All Energy Sources	360,863	377,531	-4.4%	209,464	222,467	137,647	140,941	1,050	1,202	12,702	12,921
Consumption of Fossil Fuels for Electricity Ge	neration										
Coal (1000 tons)	71,518	83,600	-14.5%	52,825	62,364	18,288	20,755	26	31	379	449
Petroleum Liquids (1000 barrels)	3,395	10,637	-68.1%	2,128	4,743	1,119	5,543	72	235	76	117
Petroleum Coke (1000 tons)	386	443	-12.7%	300	349	57	55	0	0	30	39
Natural Gas (1000 Mcf)	744,386	693,701	7.3%	327,173	309,154	357,433	323,905	5,408	5,723	54,372	54,919
Consumption of Fossil Fuels for Useful Therm											
Coal (1000 tons)	1,583	1,721	-8.0%	0	0	176	193	102	115	1,306	1,413
Petroleum Liquids (1000 barrels)	570	1,113	-48.8%	0	0	107	193	121	381	341	539
Petroleum Coke (1000 tons)	129	118	9.9%	0	0	10	9	2	2	117	108
Natural Gas (1000 Mcf)	79,631	83,146	-4.2%	0	0	28,268	29,951	4,862	4,988	46,501	48,208
Consumption of Fossil Fuels for Electricity Ge											
Coal (1000 tons)	73,101	85,321	-14.3%	52,825	62,364	18,463	20,948	128	146	1,684	1,862
Petroleum Liquids (1000 barrels)	3,965	11,750	-66.3%	2,128	4,743	1,226	5,736	193	616	417	655
Petroleum Coke (1000 tons)	516	561	-8.0%	300	349	67	64	3	2	147	146
Natural Gas (1000 Mcf)	824,017	776,847	6.1%	327,173	309,154	385,701	353,856	10,270	10,711	100,873	103,127

Sales, Revenue, and Average Retail Price for January												
		Total U.S. Electric Power Industry										
	Retai	l Sales (million k	(Wh)	Retail R	evenue (million	dollars)	Average	Retail Price (cen	ts/kWh)			
	January 2015		Percentage		January 2014		January 2015		Percentage			
Sector	YTD	YTD	Change	YTD	YTD	Change	YTD	YTD	Change			
Residential	136,798	146,177	-6.4%	16,555	17,032	-2.8%	12.10	11.65	3.9%			
Commercial	111,284	114,169	-2.5%	11,461	11,808	-2.9%	10.30	10.34	-0.4%			
Industrial	76,946	77,028	-0.1%	5,091	5,347	-4.8%	6.62	6.94	-4.6%			
Transportation	653	735	-11.1%	70	76	-7.8%	10.67	10.29	3.7%			
All Sectors	325,682	338,108	-3.7%	33,177	34,263	-3.2%	10.19	10.13	0.6%			

NM = Not meaningful due to large relative standard error.

MM = 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 Liquidis 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.
Nother Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.
Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.
Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and synthetic coal: waste coal is excluded.
Retail sales and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity).
Net generation is presented for the calendar month while retail sales and associated revenue accumulate from bills collected for periods of time that vary depending upon customer class and consumption occurring during and outside the calendar month.
Note: Values are preliminary. Percentage change is calculated before rounding.
See technical notes for additional information including more on the Commercial, Industrial, and Transportation sectors.

Table ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2015 and 2014

	Total (All Sectors)													
		Year-to-Date												
	Rece	eipts	Co	Cost			Rece	ipts	Cost					
	(Physica	al Units)	(Dollars / Physical Unit)		Number of Plants		(Physica	l Units)	(Dollars / Physical Unit)					
Fuel	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014				
Coal (1000 tons)	72,721	67,779	44.12	43.90	319	323	72,721	67,779	44.12	43.90				
Petroleum Liquids (1000 barrels)	2,190	4,499	77.20	130.83	208	267	2,190	4,499	77.20	130.83				
Petroleum Coke (1000 tons)	484	350	57.48	50.87	12	12	484	350	57.48	50.87				
Natural Gas (1000 Mcf)	730,694	691,475	4.23	7.22	712	727	730,694	691,475	4.23	7.22				

	Electric Utilities												
				Year-t	o-Date								
	Receipts Cost					Recei			Cos	st			
	(Physica	al Units)	(Dollars / Physical Unit)		Number of Plants		(Physica	al Units)	(Dollars / Physical Unit)				
Fuel	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014			
Coal (1000 tons)	53,698	47,962	44.93	44.60	225	226	53,698	47,962	44.93	44.60			
Petroleum Liquids (1000 barrels)	1,461	2,017	71.88	129.71	132	161	1,461	2,017	71.88	129.71			
Petroleum Coke (1000 tons)	404	309	55.36	50.66	8	8	404	309	55.36	50.66			
Natural Gas (1000 Mcf)	314,575	301,902	4.38	6.34	361	370	314,575	301,902	4.38	6.34			

	Independent Power Producers												
Year-to-Date													
	Rece	eipts	Co	st		Receipts				Cost			
	(Physica	al Units)	(Dollars / Physical Unit)		Number of Plants		(Physica	al Units)	(Dollars / Physical Unit)				
Fuel	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014			
Coal (1000 tons)	18,235	19,050	40.87	41.28	70	76	18,235	19,050	40.87	41.28			
Petroleum Liquids (1000 barrels)	703	2,432	90.58	132.11	67	92	703	2,432	90.58	132.11			
Petroleum Coke (1000 tons)	52	33	W	W	2	2	52	33	67.25	W			
Natural Gas (1000 Mcf)	359,180	327,589	4.20	8.74	303	314	359,180	327,589	4.20	8.74			

				Commercia	l Sector					
								Year-to	o-Date	
	Rece	eipts	Co	st			Rece	ipts	Co	st
	(Physica	al Units)	(Dollars / Ph	ysical Unit)	Number of Plants		(Physica	l Units)	(Dollars / Ph	ysical Unit)
Fuel	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014
Coal (1000 tons)	12	18	W	W	2	2	12	18	W	W
Petroleum Liquids (1000 barrels)	0	0			0	0	0	0		
Petroleum Coke (1000 tons)	0	0			0	0	0	0		
Natural Gas (1000 Mcf)	491	400	W	W	2	2	491	400	W	W

	Industrial Sector														
								Year-t	o-Date						
Receipts Cost Receipts Cost										st					
	(Physica	al Units)	(Dollars / Ph	nysical Unit)	Number (of Plants	(Physica	l Units)	(Dollars / Physical Unit)						
Fuel	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014					
Coal (1000 tons)	775	750	W	W	22	19	775	750	W	W					
Petroleum Liquids (1000 barrels)	26	50	76.07	117.73	9	14	26	50	76.07	117.73					
Petroleum Coke (1000 tons)	29	8	W	W	2	2	29	8	W	W					
Natural Gas (1000 Mcf)	56,448	61,584	W	W	46	41	56,448	61,584	W	W					

NM = Not meaningful due to large relative standard error.

W = Withheld to avoid disclosure of individual company data.

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

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

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

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

Table ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, btus, 2015 and 2014

				Total (All S	ectors)					
								Year-to	o-Date	
	Rece	ipts	Co	est			Rece	ipts	Cos	st
	(Billion	n Btu)	(Dollars / N	Million Btu)	Number	of Plants	(Billion	n Btu)	(Dollars / M	illion Btu)
Fuel	January 2015	January 2014								
Coal	1,405,183	1,295,172	2.28	2.30	319	323	1,405,183	1,295,172	2.28	2.30
Petroleum Liquids	13,249	26,893	12.76	21.87	208	267	13,249	26,893	12.76	21.87
Petroleum Coke	13,724	9,894	2.03	1.80	12	12	13,724	9,894	2.03	1.80
Natural Gas	754,341	709,245	4.10	7.04	712	727	754,341	709,245	4.10	7.04
Fossil Fuels	2,186,497	2,041,204	2.92	4.10	931	949	2,186,497	2,041,204	2.92	4.10

				Electric U	tilities						
								Year-t	o-Date		
	Rece	ipts	Co	st			Rece	eipts	Co	st	
	(Billion	n Btu)	(Dollars / N	lillion Btu)	Number	of Plants	(Billio	n Btu)	(Dollars / Million Btu)		
Fuel	January 2015	January 2014	January 2015	January 2014							
Coal	1,047,181	926,991	2.30	2.31	225	226	1,047,181	926,991	2.30	2.31	
Petroleum Liquids	8,876	12,038	11.83	21.73	132	161	8,876	12,038	11.83	21.73	
Petroleum Coke	11,509	8,753	1.94	1.79	8	8	11,509	8,753	1.94	1.79	
Natural Gas	324,270	308,967	4.25	6.20	361	370	324,270	308,967	4.25	6.20	
Fossil Fuels	1,391,837	1,256,749	2.81	3.44	511	518	1,391,837	1,256,749	2.81	3.44	

				Independent Pow	er Producers						
								Year-t	o-Date		
	Rece	eipts	Co	st			Rece	eipts	Co	st	
	(Billion	n Btu)	(Dollars / N	lillion Btu)	Number	of Plants	(Billio	n Btu)	(Dollars / Million Btu)		
Fuel	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	
Coal	339,916	350,905	2.19	2.24	70	76	339,916	350,905	2.19	2.24	
Petroleum Liquids	4,214	14,545	15.13	22.04	67	92	4,214	14,545	15.13	22.04	
Petroleum Coke	1,427	922	W	W	2	2	1,427	922	2.43	W	
Natural Gas	371,200	336,380	4.07	8.51	303	314	371,200	336,380	4.07	8.51	
Fossil Fuels	716,757	702,751	W	W	369	384	716,757	702,751	W	W	

				Commercia	I Sector						
								Year-t	o-Date		
	Rece	eipts	Co	st			Rece	eipts	Co	st	
	(Billio	n Btu)	(Dollars / N	lillion Btu)	Number	of Plants	(Billio	n Btu)	(Dollars / Million Btu)		
Fuel	January 2015	January 2014	January 2015	January 2014							
Coal	272	400	W	W	2	2	272	400	W	W	
Petroleum Liquids	0	0	-	-	0	0	0	0	-		
Petroleum Coke	0	0	-	-	0	0	0	0	-		
Natural Gas	499	405	W	W	2	2	499	405	W	W	
Fossil Fuels	771	805	W	W	2	2	771	805	W	W	

				Industrial	Sector						
								Year-t	o-Date		
	Rece	ipts	Co	st			Rece	eipts	Co	st	
	(Billion Btu)			Million Btu)	Number	of Plants	(Billio	n Btu)	(Dollars / Million Btu)		
Fuel	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	
Coal	17,813	16,877	W	W	22	19	17,813	16,877	W	W	
Petroleum Liquids	159	310	12.53	19.16	9	14	159	310	12.53	19.16	
Petroleum Coke	788	219	W	W	2	2	788	219	W	W	
Natural Gas	58,372	63,493	W	W	46	41	58,372	63,493	W	W	
Fossil Fuels	Fuels 77,132 80				49	45	77,132	80,898	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 rossil fuel plants is not the sum of the figures above it because a plant that receives two or more different fuels is only counted once.

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

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

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

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2005-January 2015

(Thousand Wega								Renewable			
		Petroleum	Petroleum	Natural	Other		Hydroelectric	Sources Excluding	Hydroelectric Pumped		
Period	Coal	Liquids	Coke	Gas	Gas	Nuclear	Conventional	Hydroelectric	Storage	Other	Total
Annual Totals		*						,			
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
2013	1,581,115	13,820	13,344	1,124,836	12,853	789,016	268,565	253,508	-4,681	13,588	4,065,964
2014	1,585,697	18,708	11,781	1,121,928	11,578	797,067	258,749	281,060	-6,209	12,576	4,092,935
2013											
January	138,105	1,733	1,042	88,559	1,144	71,406	24,829	21,518	-465	1,098	348,967
February	123,547	1,130	867	80,283	968	61,483	20,418	20,330	-320	1,020	309,728
March	130,634	990	1,007	84,725	1,070	62,947	20,534	22,810	-462	1,143	325,399
April	111,835	995	891	78,036	1,020	56,767	25,097	23,961	-292	1,024	299,333
May	119,513	1,067	1,345	83,816	1,088	62,848	28,450	23,254	-334	1,110	322,156
June	138,283	1,035	1,307	99,615	1,048	66,430	27,384	20,954	-358	1,125	356,823
July	152,867	1,458	1,354	120,771	1,148	70,539	27,255	18,593	-340	1,201	394,846
August	149,426	1,076	1,372	121,156	1,143	71,344	21,633	17,382	-465	1,217	385,286
Sept	133,110	964	1,222	102,063	1,087	65,799	16,961	18,991	-439	1,182	340,941
October	120,996	945	1,074	88,587	1,072	63,184	17,199	21,058	-373	1,185	314,925
November	120,940	989	850	84,287	1,060	64,975	17,677	23,030	-413	1,143	314,540
December	141,860	1,438	1,013	92,936	1,006	71,294	21,128	21,626	-421	1,141	353,021
2014											
January	157,316	6,041	1,181	90,926	943	73,064	21,636	25,705	-290	1,009	377,531
February	143,638	1,866	941	75,449	760	62,639	17,449	20,955	-445	877	324,128
March	136,781	2,083	1,215	77,950	847	62,397	24,219	26,005	-421	1,036	332,111
April	109,591	910	811	76,728	784	56,385	25,053	26,776	-378	993	297,653
May	119,033	976	1,056	88,514	936	62,947	26,406	23,994	-636	1,071	324,299
June	138,060	921	1,113	98,441	962	68,138	25,814	24,526	-653	1,069	358,392
July	150,007	1,024	1,028	114,582	1,069	71,940	24,260	21,059	-545	1,108	385,533
August	148,882	1,065	1,009	121,849	1,064	71,129	19,757	19,141	-840	1,136	384,192
Sept	126,484	963	951	106,295	1,104	67,535	15,933	19,994	-542	1,070	339,788
October	111,838	923	580	97,125	1,034	62,391	17,088	22,969	-448	1,059	314,560
November	119,351	988	753	83,990	1,012	65,140	18,712	27,228	-531	1,045	317,689
December	124,715	948	1,143	90,077	1,061	73,363	22,420	22,708	-480	1,103	337,059
2015											
January	132,742	1,953	1,039	101,330	1,086	74,270	24,459	23,448	-528	1,063	360,863
Year to Date	100 105	4.700	4 0 40	00.550		74 400	04.000	04.540	405	4 000	040.007
2013	138,105	1,733	1,042	88,559	1,144	71,406	24,829 21,636	21,518 25,705	-465	1,098	348,967 377,531
2014 2015	157,316 132,742	6,041 1,953	1,181	90,926	943	73,064 74,270	21,636 24,459	25,705	-290 -528	1,009	3/7,531 360,863
		1,953	1,039	101,330	1,086	74,270	24,459	23,448	-528	1,063	360,863
Rolling 12 Months En		40.400	40.404	4 407 000	40.050	700.075	005.070	057.005	4.500	40.400	4 00 4 500
2014 2015	1,600,326	18,128	13,484	1,127,203	12,653	790,675	265,373 261,572	257,695	-4,506	13,499	4,094,528 4,076,266
2015	1,561,122	14,620	11,639	1,132,331	11,721	798,273	261,572	278,803	-6,447	12,630	4.076.266

Table 1.1.A. Net Generation from Renewable Sources: Total (All Sectors), 2005-January 2015

		Solar	Solar	Wood and Wood-Derived	Landfill	Biogenic Municipal	Other Waste		Conventional	Total Renewable
Period	Wind	Photovoltaic	Thermal	Fuels	Gas	Solid Waste	Biomass	Geothermal	Hydroelectric	Sources
Annual Totals									,	
2005	17,811	16	535	38,856	5,142	8,330	1,948	14,692	270,321	357,651
2006	26,589	15	493	38,762	5,677	8,478	1,944	14,568	289,246	385,772
2007	34,450	16	596	39,014	6,158	8,304	2,063	14,637	247,510	352,747
2008	55,363	76	788	37,300	7,156	8,097	2,481	14,840	254,831	380,932
2009	73,886	157	735	36,050	7,924	8,058	2,461	15,009	273,445	417,724
2010	94,652	423	789	37,172	8,377	7,927	2,613	15,219	260,203	427,376
2011	120,177	1,012	806	37,449	9,044	7,354	2,824	15,316	319,355	513,336
2012	140,822	3,451	876	37,799	9,803	7,320	2,700	15,562	276,240	494,573
2013	167,840	8,121	915	40,028	10,658	7,186	2,986	15,775	268,565	522,073
2014	181,791	15,874	2,447	43,050	10,966	7,388	2,915	16,628	258,749	539,809
2013										
January	14,739	299	11	3,400	870	579	239	1,382	24,829	46,347
February	14,076	387	45	3,083	782	507	213	1,236	20,418	40,749
March	15,756	547	72	3,300	917	601	240	1,378	20,534	43,345
April	17,476	573	93	2,863	848	576	256	1,274	25,097	49,058
May	16,239	649	104	3,174	923	620	238	1,308	28,450	51,704
June	13,748	749	122	3,330	890	617	221	1,278	27,384	48,338
July	11,094	743	85	3,536	911	640	246	1,337	27,255	45,847
August	9,634	845	99	3,634	962	628	258	1,322	21,633	39,015
Sept	11,674	874	75	3,353	884	597	235	1,299	16,961	35,952
October	13,635	875	112	3,341	863	606	262	1,363	17,199	38,256
November	15,803	775	49	3,407	888	594	283	1,230	17,677	40,707
December	13,967	804	46	3,606	920	621	296	1,366	21,128	42,754
2014 January	18,017	762	54	3,701	895	584	273	1,419	21,636	47,341
February	13,976	813	83	3,701	766	499	218	1,419	17,449	38,404
March	17,753	1,230	182	3,637	936	626	240	1,272	24,219	50,224
April	18,731	1,406	227	3,251	927	614	242	1,378	25,053	51,829
May	15,519	1,583	293	3,418	920	634	228	1,401	26,406	50,400
June	15,688	1,689	347	3,675	920	623	224	1,360	25,814	50,340
July	12,105	1,581	263	3,838	976	664	247	1,384	24,260	45,319
August	10,197	1,652	262	3,784	967	665	232	1,382	19,757	38,898
Sept	11,479	1,613	259	3,525	908	622	221	1,368	15,933	35,927
October	14,575	1,446	233	3,508	918	616	274	1,397	17,088	40,057
November	19,055	1,209	148	3,594	912	624	262	1,424	18,712	45,940
December	14,696	890	95	3,793	921	617	254	1,443	22,420	45,129
2015	11,000	000		0,700	02.1	0.11	201	1,110	££,120	10,120
January	15,258	1,114	59	3,752	935	609	274	1,448	24,459	47,907
Year to Date	,=	.,		-,,				.,	,	,
2013	14,739	299	11	3,400	870	579	239	1,382	24,829	46,347
2014	18,017	762	54	3,701	895	584	273	1,419	21,636	47,341
2015	15,258	1,114	59	3,752	935	609	274	1,448	24,459	47,907
Rolling 12-Month Ending in January	,							, ,		
2014	171,118	8,584	958	40,329	10,683	7,191	3,021	15,812	265,373	523,068
2015	179,032	16,226	2,452	43,100	11,007	7,413	2,916	16,657	261,572	540,375

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 Blomass 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 2013 and prior years are final. Values for 2014 and 2015 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, MM-Not meaningful due to large standard error. W--Withhelfs 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. Lenergy Information Administration, Form EIA-920, Power Plant Report: U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report: Form EIA-923, Monthly Cost and Quality of Fuels for Electric Plants.

Table 1.2. Net Generation by Energy Source: Electric Utilities, 2005-January 2015

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	Hydroelectric Pumped Storage	Other	Total
Annual Totals								,			
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
2013	1,188,452	9,446	9,522	501,427	798	406,114	243,040	32,417	-3,773	615	2,388,058
2014	1,199,986	11,133	9,059	477,417	92	419,773	234,788	34,359	-5,179	472	2,381,901
2013											
January	103,536	1,018	700	39,880	71	36,748	22,563	2,966	-404	45	207,123
February	91,384	723	616	36,248	63	31,144	18,316	2,704	-270	47	180,975
March	97,675	755	687	37,661	59	31,426		2,846	-382	54	189,129
April	84,352	744	574	33,545	38	28,991	22,654	3,053	-232	42	173,761
May	90,053	785	1,035	36,891	61	32,977	25,924	2,836	-260	52	190,354
June	104,679	751	966	45,152	68	34,504	24,686	2,446	-261	43	213,033
July	114,402	950	976	52,966	66	36,733	24,705	2,245	-238	62	232,867
August	113,917	794	952	55,077	76	37,177	19,864	2,057	-417	60	229,557
Sept	99,056	664	905	45,845	75	34,459	15,422	2,591	-347	49	198,719
October	91,694	699	759	39,850	61	31,605	15,619	2,682	-307	51	182,713
November	92,146	731	609	36,703	78	32,939	15,975	3,085	-331	56	181,991
December	105,558	832	743	41,610	81	37,412	18,964	2,907	-326	55	207,837
2014											
January	118,756	2,540	949	39,048	12	38,748	19,221	3,380	-218	30	222,467
February	106,949	1,077	706	31,214	7	32,937	15,644	2,736	-361	18	190,928
March	101,101	1,059	953	33,165	7	32,612	22,169	3,381	-355	41	194,132
April	80,172	715	572	32,854	18	30,312	22,652	3,394	-301	37	170,426
May	90,887	743	825	40,037	10	33,760	23,871	2,758	-541	42	192,393
June	106,951	672	885	42,573	3	35,898	23,625	2,762	-557	49	212,861
July	115,276	747	782	48,294	4	38,031	22,294	2,384	-445	52	227,419
August	114,968	759	770	52,289	4	37,182	17,991	2,017	-740	43	225,282
Sept	96,050	760	712	44,127	3	35,296	14,524	2,342	-461	40	193,394
October	84,811	681	456	40,176	3	32,017	15,434	2,914	-351	31	176,172
November	88,975	683	572	35,311	7	34,552	17,102	3,526	-441	45	180,332
December	95,090	698	879	38,330	13	38,428	20,259	2,764	-409	43	196,094
2015										1	
January	99,479	1,170	804	43,606	24	39,377	22,308	3,092	-436	43	209,464
Year to Date	405			00		05 =	05			.=1	007 :
2013	103,536	1,018	700	39,880	71	36,748		2,966	-404	45	207,123
2014	118,756	2,540	949	39,048	12	38,748	19,221	3,380	-218	30 43	222,467
2015	99,479	1,170	804	43,606	24	39,377	22,308	3,092	-436	43	209,464
Rolling 12 Months En		40.000	0.774	500 500	700	100 111	200 000	00.004	0.500	000	0.400.400
2014	1,203,672	10,968	9,771	500,596	739 103	408,114		32,831	-3,588	600 484	2,403,402
2015	1,180,709	9,763	8,914	481,975	103	420,401	237,874	34,070	-5,397	484	2,368,898

Table 1.3. Net Generation by Energy Source: Independent Power Producers, 2005-January 2015

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	Hydroelectric Pumped Storage	Other	Total
Annual Totals								.,			
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
2013	379,270	3,761	1,780	527,522	3,524	382,902	22,018	189,045	-908	6,742	1,515,657
2014	371,882	6,732	1,408	551,976	3,852	377,295	21,221	213,991	-1,030	6,740	1,554,067
2013											
January	33,416	635	149	40,509	313	34,658	1,938	15,836	-61	545	127,938
February	31,100	346	132	36,722	261	30,340	1,736	15,140	-50	497	116,224
March	31,794	187	151	39,104	259	31,522	1,878	17,310	-80	574	122,699
April	26,434	206	144	37,081	284	27,776	2,189	18,463	-60	528	113,045
May	28,327	228	101	39,353	306	29,871	2,194	17,795	-74	574	118,674
June	32,481	241	141	46,520	280	31,926	2,365	15,810	-97	586	130,253
July	37,252	460	167	58,993	315	33,807	2,224	13,523	-103	605	147,241
August	34,371	239	211	57,526	300	34,167	1,525	12,505	-47	587	141,386
Sept	32,990	262	141	48,349	298	31,340	1,297	13,773	-92	561	128,919
October	28,248	202	149	41,022	343	31,578	1,339	15,695	-66	558	119,069
November	27,712	212	144	39,663	289	32,037	1,494	17,275	-82	554	119,297
December	35,144	544	151	42,679	274	33,881	1,839	15,919	-95	574	130,911
2014											
January	37,261	3,280	110	43,590	318	34,316	2,056	19,544	-72	538	140,941
February	35,493	689	123	36,915	252	29,702	1,547	15,730	-84	472	120,838
March	34,439	917	130	36,867	258	29,785	1,833	19,873	-66	587	124,624
April	28,382	163	142	36,595	232	26,072	2,209	20,694	-77	528	114,941
May	27,050	192	126	41,279	352	29,187	2,327	18,500	-95	575	119,493
June	29,909	199	107	48,415	320	32,240	1,983	18,999	-96	570	132,647
July	33,485	233	127	58,202	335	33,909	1,783	15,758	-100	594	144,326
August	32,728	249	121	61,449	358	33,946	1,552	14,299	-101	597	145,198
Sept	29,301	157	144	54,485	363	32,238	1,213	15,009	-81	557	133,385
October	25,997	205	51	49,653	375	30,374	1,424	17,413	-97	569	125,963
November	29,323	245	88	40,990	337	30,589	1,374	21,050	-90	578	124,483
December	28,515	203	139	43,535	352	34,935	1,919	17,122	-71	576	127,227
2015											
January	32,201	682	129	49,491	350	34,893	1,881	17,545	-92	566	137,647
Year to Date		,									
2013	33,416	635	149	40,509	313	34,658	1,938	15,836	-61	545	127,938
2014	37,261	3,280	110	43,590	318	34,316	2,056	19,544	-72	538	140,941
2015	32,201	682	129	49,491	350	34,893	1,881	17,545	-92	566	137,647
Rolling 12 Months Er											
2014	383,115	6,406	1,742	530,602	3,529	382,560	22,136	192,753	-918	6,735	1,528,660
2015	366,822	4,135	1,427	557,877	3,884	377,872	21,046	211,992	-1,050	6,769	1,550,773

Table 1.4. Net Generation by Energy Source: Commerical Sector, 2005-January 2015

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	Hydroelectric Pumped Storage	Other	Total
Annual Totals	- Cour	Liquido	00.00	ouo	ouo	Nuoloui	Conventional	riyarooloonio	Otorago	O.I.I.O.	Total
2005	1,353	368	7	4,249	0	0	86	1,673	0	756	8,492
2006	1,310	228	7	4,355	0	0	93	1,619	0	758	8,371
2007	1,371	180	9	4,257	0	0	77	1,614	0	764	8,273
2008	1,261	136	6	4,188	0	0	60	1,555	0	720	7,926
2009	1,096	157	5	4,225	0	0	71	1,769	0	842	8,165
2010	1,111	117	7	4,725	3	0	80	1,714	0	834	8,592
2011	1,049	86	3	5,487	3	0	26	2,476	0	950	10,080
2012	883	191	6	6,603	0	0	28	2,545	0	1,046	11,301
2013	839	118	5	7,154	0	0	44	2,956	0	1,118	12,234
2014	750	248	9	7,227	0	0	42	3,218	0	1,212	12,706
2013											
January	89		1	562		0	4	222	0	85	981
February	81	14	1	512		0	4	202	0	74	888
March	78	7	1	574	0	0	4	241	0	90	995
April	63	7	0	541	0	0	4	235	0	95	946
May	69	8		546	0	0	5	256	0	97	981
June	75	7	0	593	0	0	5	253	0	93	1,026
July	76	13	0	779		0	5	263	0	100	1,236
August	71	7	1	697	0	0	4	267	0	101	1,147
Sept	60	6	1	652	0	0	3	252	0	99	1,073
October	49	7	1	550	0	0	2	258	0	96	961
November	60	8		525		0	2	248	0	92	936
December	68	16	1	623	0	0	3	259	0	95	1,064
2014									_1		
January	97	NM	1	638	0	0	NM NM	263 222	0	94 79	1,202 1,009
February March	95 82	NM NM	1	579 582	0	0	NM	267	0	79 96	1,009
April	60	NM 9	1	538	0	0	NM NM	267	0	103	992
May	52	9		548	0	0	NM	277	0	103	988
June	62	8		584	0	0	NM	285	0	102	1,045
July	64	9		653	0	0	NM	205	0	112	1,045
August	50	NM	1	679		0	NM	293	0	115	1,150
Sept	45	8	1	634	0	0	NM	274	0	109	1,073
October	32	8		616	0	0	NM	264	0	109	1,073
November	51	9		574	0	0	NM	251	0	97	986
December	59		1	601	0	0		253	0	101	1,030
2015				001			1400	200	, , , , , , , , , , , , , , , , , , ,	101	1,000
January	57	NM	1	605	0	0	NM	260	0	94	1,050
Year to Date		1 11111	'1	000	, ,			200	,	0.	1,000
2013	89	19	1	562	0	0	4	222	0	85	981
2014	97	NM	1	638	0	0		263	0	94	1,202
2015	57	NM	1	605	0	0		260	0	94	1,050
Rolling 12 Months En		1			-		· · · · · · · · · · · · · · · · · · ·		-		,
2014	847	NM	5	7,230	0	0	NM	2,997	0	1,127	12,454
2015	709	NM		7,194	0	0		3,215	0	1,212	12,554

Table 1.5. Net Generation by Energy Source: Industrial Sector, 2005-January 2015

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Renewable Sources Excluding Hydroelectric	Hydroelectric Pumped Storage	Other	Total
Annual Totals								.,			
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
2013	12,554	495	2,036	88,733	8,531	0	3,463	29,091	0	5,113	150,015
2014	13,078	594	1,305	85,307	7,634	0	2,698	29,492	0	4,152	144,261
2013											
January	1,064	61	192	7,608	759	0	324	2,494	0	423	12,924
February	983	47	118	6,801	644	0	363	2,285	0	402	11,642
March	1,086	42	169	7,387	752	0	302	2,413	0	425	12,576
April	986	37	173	6,869	698	0	250	2,210	0	358	11,580
May	1,063	46	209	7,025	721	0	328	2,367	0	387	12,147
June	1,048	36	201	7,351	699	0	328	2,445	0	402	12,511
July	1,138	36	211	8,033	767	0	320	2,563	0	434	13,502
August	1,066	36	208	7,856	767	0	240	2,553	0	468	13,195
Sept	1,004	33	175	7,218	714	0	239	2,375	0	473	12,230
October	1,005	37	166	7,165	667	0	239	2,423	0	481	12,182
November	1,022	37	98	7,395		0	206	2,422	0	442	12,317
December	1,089	47	118	8,025	650	0	322	2,541	0	417	13,210
2014									-1		
January	1,202	117	122	7,650 6,741	613 502	0	354 255	2,517 2,267	0	347 308	12,921
February March	1,101 1,159	70 74	110 131	7,336	502	0	255	2,267	0	308	11,354 12,290
April	978	NM	97	6,741	534	0	187	2,404	0	324	11,294
May	1,044	32	105	6,650	575	0	203	2,411	0	352	11,425
June	1,138	41	121	6,869	638	0	203	2,480	0	347	11,839
July	1,182	35	119	7,433	730	0	179	2,620	0	350	12,649
August	1,136	48		7,432	702	0	211	2,532	0	382	12,561
Sept	1,088	38	95	7,050	738	0	193	2,369	0	365	11,935
October	998	30	72	6,679	656	0	228	2,378	0	357	11,397
November	1,002	51	92	7,115	668	0	233	2,402	0	325	11,887
December	1,051	37	124	7,611	695	0		2,569	0	382	12,708
2015	.,			.,	***			_,			,
January	1,005	71	105	7,628	713	0	266	2,552	0	361	12,702
Year to Date	,,,,,			,, ,		·		, , ,			, -
2013	1,064	61	192	7,608	759	0	324	2,494	0	423	12,924
2014	1,202	117	122	7,650	613	0	354	2,517	0	347	12,921
2015	1,005	71	105	7,628	713	0		2,552	0	361	12,702
Rolling 12 Months Er	nding in January										
2014	12,691	550	1,966	88,775		0	3,494	29,114	0	5,037	150,012
2015	12,882	NM	1,289	85,286	7,734	0	2,611	29,526	0	4,165	144,041

Table 1.6.A. Net Generation

Census Division and State		All Sectors		Electric	Electric Po	Indep	endent Producers	Commerc	cial Sector	Industri	al Sector
una otato	January	January	Percentage	January	January	January		January	January		Januar
	2015	2014	Change	2015	2014	2015	2014	2015	2014		201
New England	9,700	10,405	-6.8%	515	678	8,753	9,181	115	156	317	38
Connecticut	3,491	3,060	14.1%	NM	NM	3,414	2,973	NM	NM	I NM	NN
Maine	1,258	1,451	-13.3%	NM	NM	985	1,110	19	NM	255	32
Massachusetts	2,337	2,983	-21.7%	33	119	2,237	2,771	51	76		NN
New Hampshire	2,095	1,839	13.9%	394	454	1,690	1,366	NM	NM	I NM	NN
Rhode Island	333	405	-17.7%	1	NM	325	390	NM	NM	0	
Vermont	186	667	-72.1%	83	96	102	570	NM	NIV	1 0	
Middle Atlantic	38,611	38,997	-1.0%	3,094	3,055	34,942	35,338	182	194	393	40
New Jersey	6,220	6,001	3.7%	-9	-16	6,124	5,908	49	46	56	6
New York	11,814	12,568	-6.0%	3,035	2,946	8,585	9,413	106	118	89	9
Pennsylvania	20,577	20,428	0.7%	68	125	20,234	20,017	27	30	249	25
East North Central	56,962	61,387	-7.2%	29,311	33,256	26,600	27,064	174	199	877	86
Illinois	17,973	19,122	-6.0%	879	1,121	16,807	17,703	59	62	228	23
Indiana	10,158	11,846	-14.2%	8,801	10,483	1,065	1,099	NM	24	275	24
Michigan	9,875	10,093	-2.2%	7,399	7,855	2,277	2,013	70	83	129	14
Ohio	12,762	13,873	-8.0%	7,816	8,886	4,848	4,887	NM	NM	83	8-
Wisconsin	6,194	6,453	-4.0%	4,417	4,911	1,602	1,362	NM	14	163	16
West North Central	30,781	32,417	-5.0%	26,450	27,548	3,897	4,366	52	62	382	44:
lowa	5,438	5,621	-3.3%	4,075	4,081	1,154	1,290	21	28	189	22
Kansas	4,036	4,719	-14.5%	3,175	3,745	850	967	0	C	NM	NN
Minnesota	5,282	5,301	-0.4%	4,328	4,156	809	976	NM	21	127	14
Missouri	8,168	8,788	-7.1%	8,011	8,608	140	160	12	11	NM	NN
Nebraska	3,390	3,556	-4.6%	3,052	3,312	303	203	NM	NN	34	4
North Dakota	3,469	3,554	-2.4%	3,038	3,018	416	518	NM	NM	16	1
South Dakota	997	878	13.6%	772	627	225	251	NM	NM	0	
South Atlantic	69,334	74,976	-7.5%	56,922	61,378	10,655	11,766	116	130	1,640	1,70
Delaware	648	602	7.7%	NM	NM	551	534	NM	NM	95	6
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	
Florida	18,179	19,061	-4.6%	16,829	17,544	896	1,076	NM	NM	446	43
Georgia	10,933	12,091	-9.6%	9,163	10,851	1,364	810	NM	3	403	42
Maryland	3,274	4,218	-22.4%	NM	NM	3,191	4,114	NM	NM	36	3
North Carolina	11,947	13,239	-9.8%	10,469	11,873	1,256	1,093	20	23	202	24
South Carolina	8,711	9,489	-8.2%	8,461	9,206	92	96	NM	NN	156	18
Virginia	7,738	8,321	-7.0%	6,667	6,834	839	1,259	34	33	197	19
West Virginia	7,899	7,951	-0.7%	5,328	5,060	2,465	2,783	0	C	105	10
East South Central	34,958	37,119	-5.8%	29,335	32,168	4,649	3,904	NM	NN	956	1,03
Alabama	13,476	14,291	-5.7%	9,545	10,964	3,558	2,917	0	C	373	41
Kentucky	8,175	9,285	-12.0%	8,102	9,194	18	36	0	C	56	5
Mississippi	5,562	5,377	3.5%	4,236	4,187	1,056	936	NM	NIV	269	25
Tennessee	7,744	8,166	-5.2%	7,452	7,823	17	15	NM	NIV	259	31:
West South Central	58,458	58,691	-0.4%	19,233	21,431	32,627	30,956	85	78	6,513	6,22
Arkansas	4,552	5,639	-19.3%	3,241	4,135	1,140	1,343	NM	NM	171	16
Louisiana	9,436	9,591	-1.6%	5,044	4,568	1,850	2,507	NM	17	2,525	2,49
Oklahoma	6,418	6,584	-2.5%	4,335	4,772	2,023	1,744	NM	NM	58	6
Texas	38,052	36,876	3.2%	6,614	7,956	27,614	25,361	65	59		3,50
Mountain	30,420	31,353	-3.0%	23,874	24,616	6,297	6,443	33			25
Arizona	8,254	9,047	-8.8%	7,280	7,970	963	1,064	NM	14		
Colorado	4,624	4,903	-5.7%	3,436	3,761	1,181	1,134	NM	NIV	I NM	NN
ldaho	1,310	1,222	7.2%	918	717	345	461	0	(46	4
Montana	2,814	2,340	20.2%	587	466	2,226	1,873	0	C	NM	NN
Nevada	2,715	2,757	-1.5%	1,991	1,923	702	802	NM	NN	I NM	2
New Mexico	2,526	2,398	5.3%	2,068	1,821	452	568	NM	NM	I NM	NN
Utah	3,774	3,892	-3.0%	3,611	3,704	128	127	NM	NM	29	5
Wyoming	4,404	4,793	-8.1%	3,983	4,255	300		0	(121	12
Pacific Contiguous	30,260	30,650	-1.3%	19,721	17,272	8,953	11,581	228	261	1,358	1,53
California	14,034	15,663	-10.4%	5,437	5,336	7,183	8,714	218	248	1,196	1,36
Oregon	5,499	5,459	0.7%	4,502	3,951	935		NM	NM	54	5
Washington	10,728	9,529	12.6%	9,782	7,985	835		NM	NM	108	11-
Pacific Noncontiguous	1,378	1,537	-10.3%	1,009	1,064	274					
Alaska	591	590	0.2%	546	528	20					1:
Hawaii	787	947	-16.8%	463	537	254		31			5
U.S. Total	360,863	377,531	-4.4%	209,464	222,467	137,647	1	1,050			

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 1.6.B. Net Generation

	Census Division				Electric Pov						
and State		All Sectors		Electric I	Utilities	Indepe Power Pr		Commercia	al Sector	Industrial	Sector
	January	January	Percentage	January	January	January	January	January	January	January	January
New England	2015 YTD	2014 YTD 10,405	Change	2015 YTD 515	2014 YTD	2015 YTD	2014 YTD	2015 YTD	2014 YTD	2015 YTD 317	2014 YTD
New England Connecticut	9,700 3,491	3,060	-6.8% 14.1%	NM	678 NM	8,753 3,414	9,181 2,973	115 NM	156 NM	NM	389 NM
Maine	1,258	1,451	-13.3%	NM	NM	985	1,110	19	NM	255	321
Massachusetts	2,337	2,983	-21.7%	33	119	2,237	2,771	51	76	NM	NM
New Hampshire	2,095	1,839	13.9%	394	454	1,690	1,366	NM	NM	NM	NM
Rhode Island	333	405	-17.7%	1	NM	325	390	NM	NM	0	0
Vermont	186	667	-72.1%	83	96	102	570	NM	NM	0	0
Middle Atlantic	38,611	38,997	-1.0%	3,094	3,055	34,942	35,338	182	194	393	409
New Jersey	6,220	6,001	3.7%	-9	-16	6,124	5,908	49	46	56	63
New York	11,814	12,568	-6.0%	3,035	2,946	8,585	9,413	106	118	89	90
Pennsylvania	20,577	20,428	0.7%	68	125	20,234	20,017	27	30	249	256
East North Central	56,962	61,387	-7.2%	29,311	33,256	26,600	27,064	174	199	877	868
Illinois	17,973	19,122	-6.0%	879	1,121	16,807	17,703	59	62	228	235
Indiana	10,158	11,846	-14.2%	8,801	10,483	1,065	1,099	NM	24	275	240
Michigan	9,875	10,093	-2.2%	7,399	7,855	2,277	2,013	70	83	129	143
Ohio	12,762	13,873	-8.0%	7,816	8,886	4,848	4,887	NM	NM	83	84
Wisconsin	6,194	6,453	-4.0%	4,417	4,911	1,602	1,362	NM 52	14	163 382	166 442
West North Central	30,781	32,417 5,621	-5.0% -3.3%	26,450 4,075	27,548 4,081	3,897 1,154	4,366 1,290	52 21	62 28	189	222
lowa Kansas	5,438 4,036	5,621 4,719	-3.3% -14.5%	4,075 3,175	4,081 3,745	1,154 850	1,290 967	0	0	189 NM	NM
Minnesota	5,282	5,301	-0.4%	4,328	4,156	809	976	NM	21	127	147
Missouri	8,168	8,788	-7.1%	8,011	8,608	140	160	12	11	NM	NM
Nebraska	3,390	3,556	-4.6%	3,052	3,312	303	203	NM	NM	34	40
North Dakota	3,469	3,554	-2.4%	3,038	3,018	416	518	NM	NM	16	18
South Dakota	997	878	13.6%	772	627	225	251	NM	NM	0	0
South Atlantic	69,334	74,976	-7.5%	56,922	61,378	10,655	11,766	116	130	1,640	1,700
Delaware	648	602	7.7%	NM	NM	551	534	NM	NM	95	63
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	18,179	19,061	-4.6%	16,829	17,544	896	1,076	NM	NM	446	435
Georgia	10,933	12,091	-9.6%	9,163	10,851	1,364	810	NM	3	403	427
Maryland	3,274	4,218	-22.4%	NM	NM	3,191	4,114	NM	NM	36	38
North Carolina	11,947	13,239	-9.8%	10,469	11,873	1,256	1,093	20	23	202	249
South Carolina	8,711	9,489	-8.2%	8,461	9,206	92	96	NM	NM	156	186
Virginia	7,738	8,321	-7.0%	6,667	6,834	839	1,259	34	33	197	195
West Virginia East South Central	7,899	7,951	-0.7%	5,328 29,335	5,060	2,465	2,783	0 NM	0 NM	105 956	108 1,030
Alabama	34,958 13,476	37,119 14,291	-5.8% -5.7%	9,545	32,168 10,964	4,649 3,558	3,904 2,917	0	0	373	410
Kentucky	8,175	9,285	-12.0%	8,102	9,194	18	36	0	0	56	55
Mississippi	5,562	5,377	3.5%	4,236	4,187	1,056	936	NM	NM	269	252
Tennessee	7,744	8,166	-5.2%	7,452	7,823	17	15	NM	NM	259	313
West South Central	58,458	58,691	-0.4%	19,233	21,431	32,627	30,956	85	78	6,513	6,227
Arkansas	4,552	5,639	-19.3%	3,241	4,135	1,140	1,343	NM	NM	171	160
Louisiana	9,436	9,591	-1.6%	5,044	4,568	1,850	2,507	NM	17	2,525	2,499
Oklahoma	6,418	6,584	-2.5%	4,335	4,772	2,023	1,744	NM	NM	58	67
Texas	38,052	36,876	3.2%	6,614	7,956	27,614	25,361	65	59	3,759	3,500
Mountain	30,420	31,353	-3.0%	23,874	24,616	6,297	6,443	33	41	216	253
Arizona	8,254	9,047	-8.8%	7,280	7,970	963	1,064	NM	14	0	0
Colorado	4,624	4,903	-5.7%	3,436	3,761	1,181	1,134	NM	NM	NM	NM
Idaho	1,310	1,222	7.2%	918	717	345	461	0	0	46	44
Montana	2,814	2,340	20.2%	587	466	2,226	1,873	0	0	NM	NM
Nevada	2,715	2,757	-1.5%	1,991	1,923	702	802	NM	NM	NM	25
New Mexico	2,526	2,398	5.3%	2,068	1,821	452	568	NM	NM	NM	NM
Utah Wyoming	3,774 4,404	3,892 4,793	-3.0% -8.1%	3,611 3,983	3,704 4,255	128 300	127 415	NM 0	NM 0	29 121	53 123
Pacific Contiguous	30,260	30,650	-8.1%	19,721	17,272	8,953	11,581	228	261	1,358	1,536
California	14,034	15,663	-1.3%	5,437	5,336	7,183	8,714	228	248	1,358	1,365
Oregon	5,499	5,459	0.7%	4,502	3,951	935	1,440	NM	NM	54	1,365
Washington	10,728	9,529	12.6%	9,782	7,985	835	1,427	NM	NM	108	114
Pacific Noncontiguous	1,378	1,537	-10.3%	1,009	1,064	274	343	46	62	48	67
Alaska	591	590	0.2%	546	528	20	22	15	28	NM	12
Hawaii	787	947	-16.8%	463	537	254	321	31	34	39	55
U.S. Total	360,863	377,531	-4.4%	209,464	222,467	137,647	140,941	1,050	1,202	12,702	12,921

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 1.7.A. Net Generation from Coal

					Electric Po						
Census Division and State		All Sectors		Electric	Utilities		endent roducers	Commerc	ial Sector	Industria	al Sector
	January 2015	January 2014	Percentage Change	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014
New England	1,121	1,079	3.9%	322	317	790	751	0	0	9	10
Connecticut	205	172	19.6%	0	0	205	172	0	0	0	0
Maine	14	16	-10.0%	0	0	8	8	0	0	6	7
Massachusetts	579	574	0.9%	0	0	576	571	0	0	NM	NM
New Hampshire	322	317	1.5%	322	317	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	8,284	9,709	-14.7%	NM	NM	8,205	9,616	NM	NM	75	88
New Jersey	303	399	-24.2%	0	0	303	399	0	0	0	0
New York	319	835	-61.8%	NM	NM	290	800	0	0	27	31
Pennsylvania	7,663	8,475	-9.6%	0	0	7,613	8,416	NM	NM	49	57
East North Central	31,331	37,377	-16.2%	22,975	27,842	8,080	9,209	13	30	264	296
Illinois	7,377	8,268	-10.8%	860	1,084	6,365	7,021	4	5	148	157
Indiana	7,901	9,904	-20.2%	7,468	9,423	427	463	4	16	NM	NM
Michigan	4,301	5,056	-14.9%	4,237	4,977	NM	41	4	8	22	30
Ohio	8,048	9,753	-17.5%	6,776	8,046	1,249	1,683	NM	NM	22	24
Wisconsin	3,704	4,395	-15.7%	3,633	4,312	.,240	0	NM	NM	71	82
West North Central	19,240	20,861	-7.8%	18,934	20,488	NM	NM	20	27	284	344
lowa	2,915	3,130	-6.9%	2,730	2,905	0	0	12	18	173	206
Kansas	2,125	2,607	-18.5%	2,125	2,607	0	0	0	0	0	0
Minnesota	2,123	2,720	-3.4%	2,123	2,640	0	0	0	0	65	80
Missouri	6,754	7,227	-6.5%	6,740	7,208	NM	NM	8	9	NM	NM
Nebraska	1,951	2,326	-16.1%	1,917	2,286	0	0	0	0	33	40
North Dakota	2,606	2,626	-0.7%	2,598	2,616	0	0	0	0	NM	10
South Dakota	262	226	15.7%	262	226	0	0	0	0	0	0
South Atlantic	23,695	30,802	-23.1%	19,463	25,278	4,057	5,295	10	11	164	219
Delaware	118	167	-29.5%	19,403	25,276	118	167	0	0	0	0
District of Columbia	0	0	-29.576	0	0	0	0	0	0	0	0
Florida	3,070	4,692	-34.6%	3,060	4,675	0	0	0	0	NM	NM
Georgia	3,006	4,692	-34.6%	2,977	4,675	0	0	0	0	29	55
Maryland	1,539	2,328	-33.9%	2,911	4,941	1,521	2,308	NM	NM	18	19
North Carolina	4,032	5,686	-29.1%	3,947	5,529	NM	125	9	11	NM	NM
South Carolina	2,411	2,820	-14.5%	2,397	2,799	0	0	0	0	14	21
Virginia	1,946	2,620	-14.5%	1,819	2,799	92	160	0	0	NM	36
West Virginia	7,573	7,506	0.9%	5,263	4,922	2,260	2,534	0	0	50	49
East South Central	14,610	17,318	-15.6%	14,215	16,938	292	250	NM	NM	101	127
Alabama	3,063	4,490	-31.8%	3,049	4,469	0	0	0	0	NM	20
Kentucky	7,443	8,195	-9.2%	7,443	8,195	0	0	0	0	0	0
•	663	1,109	-40.2%	371	860	292	250	0	0	0	0
Mississippi	3,441	3,524	-40.2%	3,352		0	250	NM	NM	87	107
Tennessee					3,414	8,343		0		NM	NM
West South Central	17,329	20,911	-17.1%	8,960	11,402		9,474	0	0		
Arkansas	1,627	3,073	-47.1%	1,575	2,614 724	914	453 1,206	Ů	0	6	6
Louisiana	1,878	1,930	-2.7%	964				0	0		
Oklahoma	2,375	2,792	-14.9%	2,208	2,601	147	162	0	0	NM	NM
Texas	11,449	13,116	-12.7%	4,213	5,463	7,235	7,653	0	0	0 47	0 51
Mountain	16,355	17,692	-7.6%	14,564	16,065	1,743	1,576		0		
Arizona	3,203	3,916	-18.2%	3,203	3,916	0	0	0	0	0	0
Colorado	2,884	3,172	-9.1%	2,879	3,164	NM	NM	0	0	NM	NM
Idaho	NM	J	NM	0	0	0	0	0	0	NM	9
Montana	1,592	1,342	18.7%	NM	NM	1,566	1,313	0	0	NM	NM
Nevada	211	670	-68.4%	133	511	79	159	0	0	0	0
New Mexico	1,571	1,408	11.6%	1,571	1,408	0	0	0	0	0	0
Utah	3,044	3,115	-2.3%	3,010	3,078	NM	NM	0	0	0	0
Wyoming	3,841	4,061	-5.4%	3,743	3,961	NM	NM	0	0	38	40
Pacific Contiguous	616	1,378	-55.3%	26	405	559	944	0	0	31	29
		25	35.5%	0	0	NM	NM	0	0	30	25
California	34					0	0	0	0	0	0
Oregon	26	405	-93.6%	26	405						
Oregon Washington	26 556	405 948	-41.4%	0	0	554	944	0	0	2	5
Oregon Washington Pacific Noncontiguous	26 556 160	405 948 188	-41.4% -14.5%	0 18	0 17	554 130	944 144	0 10	0 23	2 NM	5 NM
Oregon Washington Pacific Noncontiguous Alaska	26 556 160 44	405 948 188 57	-41.4% -14.5% -23.0%	0 18 18	0 17 17	554 130 16	944 144 17	0 10 10	0 23 23	2 NM 0	5 NM 0
Oregon Washington Pacific Noncontiguous	26 556 160	405 948 188	-41.4% -14.5%	0 18	0 17 17 0	554 130	944 144	0 10	0 23	2 NM	5 NM

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

Table 1.7.B. Net Generation from Coal

					Electric Po	wer Sector					
Census Division and State		All Sectors		Electric	Utilities	Indepe Power Pr	endent roducers	Commerci	ial Sector	Industria	l Sector
	January 2015 YTD	January	Percentage	January	January	January	January	January 2015 YTD	January	January 2015 YTD	January
New England	1,121	2014 YTD 1,079	Change 3.9%	2015 YTD 322	2014 YTD 317	2015 YTD 790	2014 YTD 751	2015 110	2014 YTD	2015 110	2014 YTD 10
Connecticut	205	1,073	19.6%	0	0	205	172	0	0	0	0
Maine	14	16	-10.0%	0	0	8	8	0	0	6	7
Massachusetts	579	574	0.9%	0	0	576	571	0	0	NM	NM
New Hampshire	322	317	1.5%	322	317	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
Middle Atlantic	8,284	9,709	-14.7%	NM	NM	8,205	9,616	NM	NM	75	88
New Jersey	303	399	-24.2%	0	0	303	399	0	0	0	0
New York	319	835	-61.8%	NM	NM	290	800	0	0	27	31
Pennsylvania	7,663	8,475	-9.6%	0	0	7,613	8,416	NM	NM	49	57
East North Central	31,331	37,377	-16.2%	22,975	27,842	8,080	9,209	13	30	264	296
Illinois	7,377	8,268	-10.8%	860	1,084	6,365	7,021	4	5	148	157
Indiana	7,901	9,904	-20.2%	7,468	9,423	427	463	4	16	NM	NM
Michigan	4,301	5,056	-14.9%	4,237	4,977	NM	41	4	8	22	30
Ohio	8,048	9,753	-17.5%	6,776	8,046	1,249	1,683	NM	NM	22	24
Wisconsin	3,704	4,395	-15.7%	3,633	4,312	0	0	NM	NM	71	82
West North Central	19,240	20,861	-7.8%	18,934	20,488	NM	NM	20	27	284	344
lowa	2,915	3,130	-6.9%	2,730	2,905	0	0	12	18	173	206
Kansas	2,125	2,607	-18.5%	2,125	2,607	0	0	0	0	0	0
Minnesota	2,627	2,720	-3.4%	2,562	2,640	0	0	0	0	65	80
Missouri	6,754	7,227	-6.5%	6,740	7,208	NM	NM	8	9	NM	NM
Nebraska	1,951	2,326	-16.1%	1,917	2,286	0	0	0	0	33	40
North Dakota	2,606	2,626	-0.7%	2,598	2,616	0	0	0	0	NM	10
South Dakota	262	226	15.7%	262	226	0	0	0	0	0	0
South Atlantic	23,695	30,802	-23.1%	19,463	25,278	4,057	5,295	10	11	164	219
Delaware	118	167	-29.5%	0	0	118	167	0	0	0	0
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	3,070	4,692	-34.6%	3,060	4,675	0	0	0	0	NM	NM
Georgia	3,006	4,996	-39.8%	2,977	4,941	0	0	0	0	29	55
Maryland	1,539	2,328	-33.9%	0	0	1,521	2,308	NM	NM	18	19
North Carolina	4,032	5,686	-29.1%	3,947	5,529	NM	125	9	11	NM	NM
South Carolina	2,411 1,946	2,820 2,606	-14.5% -25.3%	2,397 1,819	2,799 2,411	92	160	0	0	14 NM	21 36
Virginia West Virginia		7,506	0.9%		4,922	2,260	2,534	0	0		49
West Virginia East South Central	7,573 14,610	17,318	-15.6%	5,263 14,215	16,938	2,260	2,534	NM	NM	50 101	127
Alabama	3,063	4,490	-31.8%	3,049	4,469	0	0	0	0	NM	20
Kentucky	7,443	8,195	-9.2%	7,443	8,195	0	0	0	0	0	0
Mississippi	663	1,109	-40.2%	371	860	292	250	0	0	0	0
Tennessee	3,441	3,524	-2.4%	3,352	3,414	0	0	NM	NM	87	107
West South Central	17,329	20,911	-17.1%	8,960	11,402	8,343	9,474	0	0	NM	NM
Arkansas	1,627	3,073	-47.1%	1,575	2,614	47	453	0	0	6	6
Louisiana	1,878	1,930	-2.7%	964	724	914	1,206	0	0	0	0
Oklahoma	2,375	2,792	-14.9%	2,208	2,601	147	162	0	0	NM	NM
Texas	11,449	13,116	-12.7%	4,213	5,463	7,235	7,653	0	0	0	0
Mountain	16,355	17,692	-7.6%	14,564	16,065	1,743	1,576	0	0	47	51
Arizona	3,203	3,916	-18.2%	3,203	3,916	0	0	0	0	0	0
Colorado	2,884	3,172	-9.1%	2,879	3,164	NM	NM	0	0	NM	NM
Idaho	NM	9	NM	0	0	0	0	0	0	NM	9
Montana	1,592	1,342	18.7%	NM	NM	1,566	1,313	0	0	NM	NM
Nevada	211	670	-68.4%	133	511	79	159	0	0	0	0
New Mexico	1,571	1,408	11.6%	1,571	1,408	0	0	0	0	0	0
Utah	3,044	3,115	-2.3%	3,010	3,078	NM	NM	0	0	0	0
Wyoming	3,841	4,061	-5.4%	3,743	3,961	NM	NM	0	0	38	40
Pacific Contiguous	616	1,378	-55.3%	26	405	559	944	0	0	31	29
California	34	25	35.5%	0	0	NM	NM	0	0	30	25
Oregon	26	405	-93.6%	26	405	0	0		0	0	0
Washington	556	948	-41.4%	0	0	554	944	0	0	2	5
Pacific Noncontiguous	160	188	-14.5%	18	17	130	144	10	23	NM	NM
Alaska	44	57	-23.0%	18	17	16	17	10	23	0	0
Hawaii	116	130	-10.8%	0	0	114	127	0	0	NM	NM
U.S. Total	132,742	157,316	-15.6%	99,479	118,756	32,201	37,261	57	97	1,005	1,202

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 1.8.A. Net Generation from Petroleum Liquids

Census Division and State		All Sectors		Electric			endent roducers	Commercial Sector		Industrial Sector	
	January	January	Percentage	January	January	January	January		January	January	
	2015	2014	Change	2015	2014	2015	2014	2015	2014	2015	
New England	258	1,289	-80.0%	NM	149	232	1,065	NM	NM	NM	NN
Connecticut	15	288	-94.7%	NM	NM	14	283	NM	NM	NM	
Maine	116	173	-32.7%	NM	NM	113	159		NM	NM	NN
Massachusetts	96	592	-83.8%	NM	70	86	488	NM	NM	NM	NN
New Hampshire	18	182	-90.3%	4	71	11	99		NM	NM	
Rhode Island	12	48	-74.6%	1	NM	8			NM	0	
Vermont	NM	NM	NM	NM	NM	0			NM	0	
Middle Atlantic	447	1,947	-77.1%	203	446	224	1,459	NM	NM	16	
New Jersey	53	380	-86.1%	NM	NM	52	372	NM	NM	NM	
New York	336	1,196	-71.9%	203	445	115	719		NM	14	
Pennsylvania	58	371	-84.4%	NM	NM	56	368	NM	NM	NM	NN
East North Central	56	137	-59.2%	45	74	9			NM	NM	NN
Illinois	4	NM	NM	NM	NM	3			NM	0	
Indiana	14	NM	NM	12	16	0			NM	1	;
Michigan	8	16	-52.7%	8	16	NM	0		NM	NM	NN
Ohio	24	84	-71.7%	17	NM	6		NM	NM	NM	NN
Wisconsin	6	9	-34.1%	6	6		3		NM	NM	NN
West North Central	26	44	-39.6%	26	39	NM	4		NM	NM	NN
lowa	3	NM	NM	3	NM	NM	NM		NM	NM	NN
Kansas	7	NM	NM	7	NM	0			0	0	
Minnesota	NM	14	NM	1	9	NM	4		NM	NM	
Missouri	11	NM	NM	11	NM	0			NM	0	(
Nebraska	2	6	-72.9%	2	6	0			0	0	
North Dakota	2	2	-11.7%	2	2	0			NM	NM	NN
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	
South Atlantic	421	1,682	-75.0%	287	1,092	107	543	NM	NM	NM	NN
Delaware	33	112	-71.0%	NM	NM	33	112			0	
District of Columbia	0	0		0	0	0				0	
Florida	99	NM	NM	96	NM	NM	NM	0		NM	NN
Georgia	41	87	-52.5%	16	47	19	30		NM	NM	NN
Maryland	33	288	-88.4%	NM	NM	24	261	NM	NM	NM	NN
North Carolina	79	254	-68.8%	64	227	NM	21	NM	NM	NM	NN
South Carolina	37	153	-75.8%	30	141	NM	10		NM	1	:
Virginia	87	696	-87.5%	68	598	17	94		NM	NM	
West Virginia	11	33	-66.8%	11	20	0				0	
East South Central	39	127	-68.8%	31	108	3			NM	NM	NN
Alabama	NM	40	NM	10	22	3				NM	NN
Kentucky	9	NM	NM	9	NM	0				0	
Mississippi	NM	NM	NM	NM	NM	0			0	0	
Tennessee	11	71	-84.4%	11	70	0			NM	NM	NN
West South Central	33	NM	NM	20	NM	NM	5		NM	NM	
Arkansas	6	2	166.3%	3	1	3	0		0	0	
Louisiana	18	NM	NM	14	NM	4		0	0	0	
Oklahoma	NM	NM	NM	NM	NM	0			NM	NM	NN
Texas	NM	NM	NM	3	2	NM	4		NM	NM	NN
Mountain	20	19	7.1%	19	17	NM	NM	NM	NM	NM	NN
Arizona	6	4	69.1%	6	4	0			NM	0	
Colorado	NM	NM	NM	NM	NM	0			0	NM	
Idaho	NM	NM	NM	NM	NM	0				0	
Montana	NM	NM	NM	NM	NM	0		0	0	0	
Nevada	2	1	303.9%	2	0						
New Mexico	6	6	-7.8%	5	6		NM			NM	
Utah	NM	1	NM	NM	1	NM					
Wyoming	3	4	-8.0%	3	4					NM	
Pacific Contiguous	6		NM	3	NM	2			NM	NM	
California	5	NM	NM	3	2				NM	NM	
Oregon	NM	NM	NM	0	1	0			NM	0	
Washington	NM	NM	NM	NM	NM	NM	NM		NM	1	NN
Pacific Noncontiguous	646	775	-16.6%	530	607	93	NM		NM	23	
Alaska	80	79	1.4%	75	74				NM	5	
Hawaii	566	696	-18.6%	455	533	93			0	18	
U.S. Total	1,953	6,041	-67.7%	1,170	2,540	682	3,280	NM	NM	71	117

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 1.8.B. Net Generation from Petroleum Liquids

	ar-to-Date tillough Sandary 2013 and 20			(11111111111111111111111111111111111111	Electric Po						
Census Division and State		All Sectors		Electric U		Indepe Power Pr		Commerci	al Sector	Industrial	Sector
	January 2015 YTD	January 2014 YTD	Percentage Change	January 2015 YTD	January 2014 YTD	January 2015 YTD	January 2014 YTD	January 2015 YTD	January 2014 YTD	January 2015 YTD	January 2014 YTD
New England	258	1,289	-80.0%	NM	149	232	1,065	NM	NM	NM	NM
Connecticut	15	288	-94.7%	NM	NM	14	283	NM	NM	NM	NM
Maine	116	173	-32.7%	NM	NM	113	159	NM	NM	NM	NM
Massachusetts	96	592	-83.8%	NM	70	86	488	NM	NM	NM	NM
New Hampshire	18	182	-90.3%	4	71	11	99	NM	NM	NM	NM
Rhode Island	12	48	-74.6%	1	NM	8	36	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	447	1,947	-77.1%	203	446	224	1,459	NM	NM	16	NM
New Jersey	53	380	-86.1%	NM	NM	52	372	NM	NM	NM	NM
New York	336	1,196	-71.9%	203	445	115	719	NM	NM	14	11
Pennsylvania	58	371	-84.4%	NM	NM	56	368	NM	NM	NM	NM
East North Central	56	137	-59.2%	45	74	9	59	NM	NM	NM	NM
Illinois	4	NM	-59.2% NM	NM	NM	3	59	NM	NM	0	0
		NM	NM		16	0		NM	NM	1	0
Indiana	14	16	-52.7%	12	16	NM	0	0	NM	NM	NM
Michigan				8		19191			NM		
Ohio	24	84 9	-71.7% -34.1%	17 6	NM 6	NM	51 3	NM	NM NM	NM NM	NM NM
Wisconsin West North Central	6	44	-34.1%	26	39	NM NM	3	NM NM	NM NM	NM	NM NM
	26						4 NA 4				
lowa	3	NM NM	NM NM	7	NM NM	NM 0	NM	NM	NM	NM	NM 0
Kansas	/			1		0 NM	0	0	0 NM	0	
Minnesota	NM	14	NM		9	NM 0	4	NM		NM	NM
Missouri	11	NM	NM	11	NM	-	0	NM	NM	0	0
Nebraska	2	6	-72.9%	2	6	0	0	0	0		0
North Dakota	2	2	-11.7%	2	2	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM 1 222	NM	NM	NM	NM	0	0
South Atlantic	421	1,682	-75.0%	287	1,092	107	543	NM	NM	NM	NM
Delaware	33	112	-71.0%	NM	NM	33	112	0	0	0	0
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	99	NM	NM	96	NM	NM	NM	0	0	NM	NM
Georgia	41	87	-52.5%	16	47	19	30	NM	NM	NM	NM
Maryland	33	288	-88.4%	NM	NM	24	261	NM	NM	NM	NM
North Carolina	79	254	-68.8%	64	227	NM	21	NM	NM	NM	NM
South Carolina	37	153	-75.8%	30	141	NM	10	NM	NM	1	2
Virginia	87	696	-87.5%	68	598	17	94	NM	NM	NM	NM
West Virginia	11	33	-66.8%	11	20	0	14	0	0	0	0
East South Central	39	127	-68.8%	31	108	3	10	NM	NM	NM	NM
Alabama	NM	40	NM	10	22	3	10	0	0	NM	NM
Kentucky	9	NM	NM	9	NM	0	0	0	0	0	0
Mississippi	NM	NM	NM	NM	NM	0	0	0	0	0	0
Tennessee	11	71	-84.4%	11	70	0	0	NM	NM	NM	NM
West South Central	33	NM	NM	20	NM	NM	5	NM	NM	NM	NM
Arkansas	6	2	166.3%	3	1	3	0	0	0	0	1
Louisiana	18	NM	NM	14	NM	4	1	0	0	0	1
Oklahoma	NM	NM	NM	NM	NM	0	0	NM	NM	NM	NM
Texas	NM	NM	NM	3	2	NM	4	NM	NM	NM	NM
Mountain	20	19	7.1%	19	17	NM	NM	NM	NM	NM	NM
Arizona	6	4	69.1%	6	4	0	0	NM	NM	0	0
Colorado	NM	NM	NM	NM	NM	0	0	NM	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	NM	NM	NM	NM	NM	0	1	0	0	0	0
Nevada	2	1	303.9%	2	0	0	0	0	0	0	0
New Mexico	6	6	-7.8%	5	6	NM	NM	0	0	NM	NM
Utah	NM	1	NM	NM	1	NM	NM	0	0	NM	NM
Wyoming	3	4	-8.0%	3	4	0	0	0	0	NM	NM
Pacific Contiguous	6	NM	NM	3	NM	2	3	NM	NM	NM	NM
California	5	NM	NM	3	2	2	3	NM	NM	NM	NM
Oregon	NM	NM	NM	0	1	0	0	NM	NM	0	0
Washington	NM	NM	NM	NM	NM	NM	NM	NM	NM	1	NM
Pacific Noncontiguous	646	775	-16.6%	530	607	93	NM	NM	NM	23	38
Alaska	80	79	1.4%	75	74	0	0	NM	NM	5	NM
Hawaii	566	696	-18.6%	455	533	93	NM	0	0	18	34
				4001	555	931	INIVI	U	U	101	041

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 1.9.A. Net Generation from Petroleum Coke

					Electric Po	wer Sector					
Census Division and State		All Sectors		Electric	Utilities		endent roducers	Commerc	ial Sector	Industria	al Sector
	January 2015	January 2014	Percentage Change	January 2015	January	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014
New England	0	0		0		0	0		0		0
Connecticut	0	0		0		0	0		0		0
Maine	0	0		0		0	0		0		0
Massachusetts	0	0		0			0		0		
New Hampshire	0	0		0		0	0		0		
Rhode Island	0	0		0		0	0	0	0		0
Vermont	0	0		0		0	0	0	0		0
Middle Atlantic	NM	NM	NM	0		0	0	0	0		NM
New Jersey	NM	NM	NM	0		0	0		0		NM
New York	0	0		0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0		0	0		0		NM
East North Central	280	281	0.0%	174	181	87	73	0	0		26
Illinois	0	0		0		0	0	0	0		0
Indiana	112	133	-16.4%	112	133	0	0	0	0		0
Michigan	72	53	36.4%	59		3	7	0	0		NM
Ohio	85	68	24.8%	0		84	67	0	0		NM
Wisconsin	12	26	-54.4%	3		0	0	0	0		13
West North Central	NM	NM	NM	0		0	0	-	1	NM	NM
lowa	NM	NM	NM	0			0		1	NM	NM
Kansas	0	0	14141	0		0	0	0	0		0
Minnesota	0	0		0		0	0		0		_
Missouri	0	0		0		0	0		0		
Nebraska	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	142	222	-36.1%	124	207	0	0		0		15
Delaware	0	0	-30.176	0		0	0	0	0		0
District of Columbia	0	0		0		0	0		0		_
Florida	124	207	-40.1%	124	207	0	0		0		
Georgia	18	15	17.0%	0		0	0		0		15
Maryland	0	0	17.076	0		0	0	0	0		0
North Carolina	0	0		0		0	0		0		_
South Carolina	0	0		0		0	0		0		
Virginia	0	0		0		0	0		0		
West Virginia	0	0		0		0	0		0		
East South Central	108	116	-6.8%	108		0	0		0		
Alabama	0	0	-0.070	0		0	0		0		
Kentucky	108	116	-6.8%	108		0	0	0	0		
Mississippi	0	0	-0.070	0		0	0	0	0		
Tennessee	0	0		0		0	0		0		
West South Central	444	500	-11.1%	398	445	0	0		0		55
Arkansas	0	0	-11.176	0		0	0	0	0		0
Louisiana	431	484	-11.0%	398	445	0	0		0		39
Oklahoma	0	0	*11.0%	0		0	0		0		
Texas	13	15	-14.4%	0		0	0	0	0		15
Mountain	41	36	14.6%	0		41	36	0	0		
Arizona	0	0	14.0 //	0		0	0		0		
Colorado	0	0		0		0	0		0		0
Idaho	0	0		0		0	0		0		_
			44.00/								
Montana	41	36	14.6%	0		41	36	0	0		0
Nevada New Mexico	0	0		0	0	0	0	0	0	0	0
				0					0		
Utah	0	0		0					0		
Wyoming Positio Contiguous	0	0	 NIM	0			0		0		
Pacific Contiguous	NM	NM	NM	0			NM	0	0		
California	NM	NM	NM	0		NM	NM	0	0		
Oregon	0	0		0		0	0		0		
Washington	0	0		0					0		
Pacific Noncontiguous	0	0		0					0		
Alaska	0	0		0					0		
Hawaii	0	0		0					0		
U.S. Total	1,039	1,181	-12.0%	804	949	129	110	1	1	105	122

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 1.9.B. Net Generation from Petroleum Coke

by State, by Sector, Tear					Electric Po						
Census Division and State		All Sectors		Electric U		Indepe Power Pr		Commerci	al Sector	Industrial	Sector
	January 2015 YTD	January 2014 YTD	Percentage Change	January 2015 YTD	January 2014 YTD						
New England	0	0		0	0	0	0	0	0	0	0
Connecticut	0	0		0	0	0	0		0	0	0
Maine	0	0		0	0	0	0		0	0	0
Massachusetts	0	0		0	0	0	0		0	0	0
New Hampshire	0	0		0	0	0	0		0	0	0
Rhode Island	0	0		0	0	0	0		0	0	0
Vermont	0	0		0	0		0		0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0		0	NM	NM
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0		0	0	0	0		0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0		0	NM	NM
East North Central	280	281	0.0%	174	181	87	73	0	0	20	26
Illinois	0	0	0.070	0	0	0	0		0	0	0
Indiana	112	133	-16.4%	112	133	0	0		0	0	0
Michigan	72	53	36.4%	59	35	3	7	0	0	NM	NM
Ohio	85	68	24.8%		0	84	67	0	0	NM	NM
	12	26		3		0	0		0	9	13
Wisconsin	12 NM	26 NM	-54.4%		13	0	0				13 NM
West North Central			NM	0	0				1	NM	
lowa	NM	NM 0	NM	0	0	0	0		1	NM 0	NM 0
Kansas	0		-								
Minnesota	0	0		0	0	0	0		0	0	0
Missouri	0	0		0	0	0	0		0	0	0
Nebraska	0	0	-			0	0		0		0
North Dakota	0	0		0	0	0	0		0	0	0
South Dakota	0	0		0	0	0	0		0	0	0
South Atlantic	142	222	-36.1%	124	207	0	0		0	18	15
Delaware	0	0		0	0	0	0		0	0	0
District of Columbia	0	0		0	0	0	0		0	0	0
Florida	124	207	-40.1%	124	207	0	0		0	0	0
Georgia	18	15	17.0%	0	0	0	0		0	18	15
Maryland	0	0		0	0	0			0	0	0
North Carolina	0	0		0	0	0	0		0	0	0
South Carolina	0	0		0	0	0	0		0	0	0
Virginia	0	0		0	0	0	0		0	0	0
West Virginia	0	0		0	0	0	0		0	0	0
East South Central	108	116	-6.8%	108	116	0	0		0	0	0
Alabama	0	0		0	0	0	0		0	0	0
Kentucky	108	116	-6.8%	108	116	0	0		0	0	0
Mississippi	0	0		0	0	0	0		0	0	0
Tennessee	0	0		0	0	0	0		0	0	0
West South Central	444	500	-11.1%	398	445	0	0		0	46	55
Arkansas	0	0		0	0	0	0		0	0	0
Louisiana	431	484	-11.0%	398	445	0			0	33	39
Oklahoma	0	0		0	0	0	0	0	0	0	0
Texas	13	15	-14.4%	0	0	0	0		0	13	15
Mountain	41	36	14.6%	0	0	41	36	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
Idaho	0	0		0	0	0	0		0	0	0
Montana	41	36	14.6%	0	0	41	36	0	0	0	0
Nevada	0	0		0	0		0	0	0	0	0
New Mexico	0	0		0	0				0	0	0
Utah	0	0		0	0	0	0		0	0	0
Wyoming	0	0		0	0		_		0	0	0
Pacific Contiguous	NM	NM	NM	0	0		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
Pacific Noncontiguous	0	0		0	0	0	0	0	0	0	0
Alaska	0	0		0	0	0	0		0	0	0
	0	0		0	0	0	0		0	0	0
Hawaii	U	UI.		U		U		U		UI	U

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 1.10.A. Net Generation from Natural Gas

Census Division and State		All Sectors		Electric			endent Producers	Commerc	cial Sector	Industri	al Sector
una otato	January	January	Percentage	January	January	January			January	January	Januar
	2015	2014	Change	2015	2014	2015		2015		2015	201
New England	3,626	2,791	29.9%	4	18			69		103	14
Connecticut	1,545	889	73.9%	0	4	,	816			NM	40
Maine	313	452	-30.8%	0	0		366		NM	NM	84
Massachusetts	951	1,031	-7.7%	3	14			38		NM	NN
New Hampshire	518	80	549.3%	0	0		1		NM	NM	NN
Rhode Island	298	339	-12.2%	0	0				NM	0	
Vermont	0	0	23.8%	0	0				0	0	
Middle Atlantic	11,283	9,411	19.9%	1,087	880	9,961	8,315	89		145	133
New Jersey	2,540	1,936	31.2%	NM	NM	2,488	1,886	NM	NM	NM	NN
New York	4,220	3,802	11.0%	1,084	875	3,050	2,846			NM	NN
Pennsylvania	4,523	3,674	23.1%	NM	NM	4,423	3,582	NM	NM	90	82
East North Central	7,409	5,783	28.1%	2,990	2,196	4,166		130	138	123	119
Illinois	817	650	25.7%	13	NM	718		55		NM	NN
Indiana	1,420	1,115	27.4%	1,142	850	218	1	NM	NM	50	40
Michigan	1,421	1,388	2.4%	376	265	980	1,047	41	50	NM	20
Ohio	2,687	2,012	33.5%	990	776	1,675	1,216	NM	NM	NM	NN
Wisconsin	1,064	618	72.1%	468	277	575			12	NM	1:
West North Central	985	1,065	-7.5%	904	916	36		NM	19	NM	29
lowa	191	97	96.7%	178	83	0	1		6	NM	
Kansas	67	161	-58.6%	56	155	0			0	NM	NN
Minnesota	330	382	-13.5%	300	270	12			13	NM	1:
Missouri	313	380	-17.7%	288	365	24			0	NM	NN
Nebraska	19	8	133.5%	18	8				NM	NM	(
North Dakota	NM	NM	NM	0	0		1			NM	NN
South Dakota	64	35	84.3%	64	35	0			0	0	(
South Atlantic	23,067	19,582	17.8%	18,728	15,704	4,021	3,569	NM	NM	275	26
Delaware	477	299	59.7%	NM	NM	393	248	0		83	
District of Columbia	NM	NM	NM	0	0		1		NM	0	
Florida	11,439	10,682	7.1%	10,776	9,834	538	1	NM	NM	122	124
Georgia	4,302	3,139	37.1%	2,992	2,378	1,287	721	0	0	23	40
Maryland	140	149	-6.1%	0	0			NM	NM	NM	NN
North Carolina	3,164	2,502	26.4%	2,155	1,711	996	778		0	NM	1:
South Carolina	943	890	5.9%	869	820	70		NM	NM	NM	NN
Virginia	2,570	1,820	41.2%	1,929	891	614	1	NM	NM	27	35
West Virginia	26	97	-72.6%	7	66	20	1			NM	NN
East South Central	9,650	8,808	9.6%	5,055	4,931	4,315	3,609	NM		264	25
Alabama	5,047	4,366	15.6%	1,427	1,383	3,535	2,889	0	0	84	9
Kentucky	220	531	-58.6%	184	478	17				NM	NN
Mississippi	3,743	3,237	15.6%	2,833	2,418	763	685	NM	NM	144	133
Tennessee	642	674	-4.8%	610	652	0			NM	17	NN
West South Central	28,514	24,261	17.5%	6,602	6,132	16,172	12,622	78		5,662	5,433
Arkansas	1,345	1,011	33.0%	233	100	1,078	1	NM	NM	33	34
Louisiana	5,053	5,026	0.5%	2,145	1,796	770	1	NM	17	2,120	2,09
Oklahoma	2,859	2,447	16.9%	1,913	1,845	936	592	NM	NM	NM	NN 0.00
Texas	19,258	15,777	22.1%	2,311	2,390	13,387	10,036	59		3,501	3,29
Mountain	5,830	5,615	3.8%	3,838	3,492	1,867	1,966	28		96	12
Arizona	1,343	1,410	-4.8%	533	545	799	853	NM	13	0	
Colorado	832	785	6.1%	447	474	384	307	0	3	NM	NN
Idaho	326	397	-17.9%	209	215	113		0		NM	
Montana	NM 4 047	59	NM	NM 4 FO4	56		1		0	0	
Nevada	1,847	1,573	17.4%	1,591	1,241	236		NM		NM	
New Mexico	783	700	11.8%	477	396	299				0	
Utah	590	638	-7.5%	525	562	NM				29	
Wyoming	53	53	0.3%	NM	NM					48	
Pacific Contiguous	10,677	13,307	-19.8%	4,114	4,487	5,502				927	1,14
California	8,865	10,424	-15.0%	3,022	2,781	4,801		128		914	
Oregon	1,160	1,670	-30.5%	508	682	643	1			NM	
Washington	651	1,213	-46.3%	584	1,024	58		NM		8	(
Pacific Noncontiguous	289	301	-4.0%	285	294	0				NM	
Alaska	289	301	-4.0%	285	294	0	1			NM	
Hawaii	0	0		0	0				0	0	(
U.S. Total	101,330	90,926	11.4%	43,606	39,048	49,491	43,590	605	638	7,628	7,65

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.

Displayed values of Zero may represent small values that round to Zero. The Excel version of this table provides additional precision which in MM = Not meaningful due to large relative standard error or excessive percentage change.

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

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.10.B. Net Generation from Natural Gas

					Electric Po						
Census Division and State		All Sectors		Electric	Utilities	Indepe Power P	endent roducers	Commerc	ial Sector	Industria	l Sector
	January	January	Percentage	January	January	January	January	January	January	January	January
New England	2015 YTD 3,626	2014 YTD 2,791	Change 29.9%	2015 YTD 4	2014 YTD 18	2015 YTD 3,450	2014 YTD 2,561	2015 YTD 69	2014 YTD 68	2015 YTD 103	2014 YTD 145
Connecticut	1,545	889	73.9%	0	4	1,477	816	NM	NM	NM	46
Maine	313	452	-30.8%	0	0	266	366	NM	NM	NM	84
Massachusetts	951	1,031	-7.7%	3	14	898	966	38	39	NM	NM
New Hampshire	518	80	549.3%	0	0	514	76	NM	NM	NM	NM
Rhode Island	298	339	-12.2%	0	0	295	336	NM	NM	0	0
Vermont	0	0	23.8%	0	0	0	0	0	0	0	0
Middle Atlantic	11,283	9,411	19.9%	1,087	880	9,961	8,315	89	84	145	133
New Jersey	2,540	1,936	31.2%	NM	NM	2,488	1,886	NM	NM	NM	NM
New York	4,220	3,802	11.0%	1,084	875	3,050	2,846	66	61	NM	NM
Pennsylvania	4,523	3,674	23.1%	NM	NM	4,423	3,582	NM	NM	90	82
East North Central	7,409	5,783	28.1%	2,990	2,196	4,166	3,331	130	138	123	119
Illinois	817 1,420	650	25.7% 27.4%	13 1,142	NM 850	718 218	536 214	55 NM	57 NM	NM 50	NM 46
Indiana Michigan	1,421	1,115 1,388	2.4%	376	265	980	1,047	41	50	NM	26
Ohio	2,687	2,012	33.5%	990	776	1,675	1,216	NM	NM	NM	NM
Wisconsin	1,064	618	72.1%	468	277	575	318	NM	12	NM	12
West North Central	985	1,065	-7.5%	904	916	36	102	NM	19	NM	29
lowa	191	97	96.7%	178	83	0	0	NM	6	NM	8
Kansas	67	161	-58.6%	56	155	0	0	0	0	NM	NM
Minnesota	330	382	-13.5%	300	270	12	87	NM	13	NM	12
Missouri	313	380	-17.7%	288	365	24	15	0	0	NM	NM
Nebraska	19	8	133.5%	18	8	0	0	NM	NM	NM	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	64	35	84.3%	64	35	0	0	0	0	0	0
South Atlantic	23,067	19,582	17.8%	18,728	15,704	4,021	3,569	NM	NM	275	267
Delaware	477	299	59.7%	NM	NM	393	248	0	0	83	48
District of Columbia	NM	NM	NM 7.40/	0	0	0	704	NM	NM	0	0
Florida	11,439 4,302	10,682 3,139	7.1% 37.1%	10,776 2,992	9,834 2,378	538 1,287	721 721	NM 0	NM 0	122 23	124 40
Georgia Maryland	140	149	-6.1%	2,992	2,376	1,267	111	NM	NM	NM	NM
North Carolina	3,164	2,502	26.4%	2,155	1,711	996	778	0	0	NM	12
South Carolina	943	890	5.9%	869	820	70	67	NM	NM	NM	NM
Virginia	2,570	1,820	41.2%	1,929	891	614	893	NM	NM	27	35
West Virginia	26	97	-72.6%	7	66	20	30	0	0	NM	NM
East South Central	9,650	8,808	9.6%	5,055	4,931	4,315	3,609	NM	NM	264	252
Alabama	5,047	4,366	15.6%	1,427	1,383	3,535	2,889	0	0	84	95
Kentucky	220	531	-58.6%	184	478	17	36	0	0	NM	NM
Mississippi	3,743	3,237	15.6%	2,833	2,418	763	685	NM	NM	144	132
Tennessee	642	674	-4.8%	610	652	0	0	NM	NM	17	NM
West South Central	28,514	24,261	17.5%	6,602	6,132	16,172	12,622	78	73	5,662	5,433
Arkansas Louisiana	1,345 5,053	1,011 5,026	33.0% 0.5%	233 2,145	100 1,796	1,078 770	877 1,117	MM NM	NM 17	2,120	2,095
Oklahoma	2,859	2,447	16.9%	1,913	1,796	936	592	NM	NM	2,120 NM	2,093 NM
Texas	19,258	15,777	22.1%	2,311	2,390	13,387	10,036	59	55	3,501	3,295
Mountain	5,830	5,615	3.8%	3,838	3,492	1,867	1,966	28	37	96	121
Arizona	1,343	1,410	-4.8%	533	545	799	853	NM	13	0	0
Colorado	832	785	6.1%	447	474	384	307	0	3	NM	NM
Idaho	326	397	-17.9%	209	215	113	177	0	0	NM	5
Montana	NM	59	NM	NM	56	NM	NM	0	0	0	0
Nevada	1,847	1,573	17.4%	1,591	1,241	236	301	NM	NM	NM	25
New Mexico	783	700	11.8%	477	396	299	295	NM	NM		NM
Utah	590	638	-7.5%	525	562	NM	NM	NM	NM	29	38
Wyoming	53	53	0.3%	NM	NM	NM	NM	0	0	48	49
Pacific Contiguous	10,677	13,307	-19.8%	4,114	4,487	5,502	7,515	135	161	927	1,144
California	8,865	10,424	-15.0%	3,022	2,781	4,801	6,361	128	151	914 NM	1,132
Oregon	1,160	1,670	-30.5% -46.3%	508 584	682	643 58	972	NM	8 NM	NM 8	
Washington Pacific Noncontiquous	651 289	1,213 301	-46.3% -4.0%	285	1,024 294	58	181	NM NM	NM NM	8 NM	6 7
Alaska	289	301	-4.0% -4.0%	285	294 294	0	0	NM	NM	NM	7
Hawaii	209	0	-4.0%	205	0	0	0	0	0		0
U.S. Total	101,330	90,926	11.4%	43,606	39,048	49,491	43,590	605	638		7,650

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 1.11.A. Net Generation from Other Gases

Census Division and State		All Sectors		Electric	Electric Po Utilities	Indep	endent roducers	Commerci	ial Sector	Industri	al Sector
	January 2015	January 2014	Percentage Change	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January
New England	0	0		0	0	0	0	0	0		
Connecticut	0	0		0	0	0	0	0	0		C
Maine	0	0		0		0	0		0		
Massachusetts	0	0		0		0	0		0		
New Hampshire	0	0		0		0			0		
Rhode Island	0	0		0	0	0	0	0	0	0	(
Vermont	0	0		0	0	0	0	0	0		(
Middle Atlantic	58	64	-9.2%	0	0	0	0	0	0	58	64
New Jersey	17	18	-5.0%	0	0	0	0	0	0	17	
New York	0	0		0	0	0	0	0	0	0	C
Pennsylvania	41	46	-10.9%	0	0	0	0	0	0	41	46
East North Central	391	355	10.1%	24	12	127	122	0	0	240	220
Illinois	27	28	-3.4%	0	0	0	0	0	0	27	28
Indiana	194	174	11.6%	0	0	0	0	0	0	194	174
Michigan	95	77	23.2%	24	12	72	65	0	0	0	C
Ohio	74	75	-1.7%	0		56	57	0	0		18
Wisconsin	0	0		0	0	0	0	0	0	0	C
West North Central	NM	NM	NM	0	0	0	0	0	0	NM	NM
lowa	0	0		0	0	0	0	0	0	0	C
Kansas	0	0		0	0	0	0	0	0	0	C
Minnesota	0	0		0	0	0	0	0	0	0	C
Missouri	0	0		0	0	0	0	0	0	0	C
Nebraska	0	0		0	0	0	0	0	0	0	C
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NN
South Dakota	0	0		0	0	0	0	0	0	0	C
South Atlantic	16	18	-12.3%	0	0	0	0	0	0	16	18
Delaware	12	16	-21.2%	0	0	0	0	0	0	12	16
District of Columbia	0	0		0	0	0	0	0	0	0	C
Florida	0	0	-45.8%	0	0	0	0	0	0	0	C
Georgia	0	0		0	0	0	0	0	0	0	C
Maryland	0	0		0	0	0	0	0	0	0	C
North Carolina	0	0		0		0	0	0	0	0	C
South Carolina	0	0		0		0	0		0		
Virginia	0	0		0		0	0		0		
West Virginia	3	2	66.5%	0		0			0		
East South Central	14	17	-20.8%	0		0	0		0		
Alabama	13	16	-19.6%	0		0	0		0		
Kentucky	0	0		0		0	0		0		
Mississippi	0	0		0		0	0		0		C
Tennessee	1	2	-33.1%	0	0	0	0	0	0		2
West South Central	392	316	23.9%	0		188	157	0	0		160
Arkansas	0	0		0		0	0	0	0		
Louisiana	170	150	13.4%	0		71	69	0	0		
Oklahoma	0	0		0		0	0	0	0		
Texas	222	167	33.3%	0		117	87	0	0		
Mountain	36	35	4.2%	0		1	1	0	0		
Arizona	0	0		0		0	0		0		
Colorado	0	0		0		0	0		0		
Idaho Mantana	0	0	 hisa	0		0	0		0		
Montana	1	0	NM 40.7%	0		1	0		0		
Nevada New Mayina	0	0	-49.7%	0		0			0		
New Mexico	0	0		0							
Utah Wyoming		34	1.5%						0		
Wyoming Pacific Contiguous	35 174	132	1.5% 32.2%	0				0	0		
Pacific Contiguous									0		
California	141	93	52.2%	0		0			0		
Oregon	0	0	45.00/	0		0			0		
Washington	33	39	-15.6%	0		33		0	0		
Pacific Noncontiguous	NM	NM	NM	0		0			0		
Alaska	0	0		0					0		
Hawaii	NM 1,086	NM 943	NM 15.2%	0 24		0 350	0 318	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 1.11.B. Net Generation from Other Gases

by State, by Sector, Year	-to-Date tillo	ugii Januar	y 2013 and 2	2014 (THOUSE	Electric Po							
Census Division				Electric FO	Indepe	endent						
and State		All Sectors		Electric		Power P	roducers	Commerci		Industrial Sector		
	January	January	Percentage	January	January	January	January	January	January	January	January	
New England	2015 YTD	2014 YTD 0	Change	2015 YTD	2014 YTD 0	2015 YTD	2014 YTD 0	2015 YTD 0	2014 YTD	2015 YTD	2014 YTD	
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	58	64	-9.2%	0	0	0	0	0	0	58	64	
New Jersey	17	18	-5.0%	0	0	0	0	0	0	17	18	
New York	0	0		0	0	0	0	0	0	0	0	
Pennsylvania	41	46	-10.9%	0	0	0	0	0	0	41	46	
East North Central	391	355	10.1%	24	12	127	122	0	0	240	220	
Illinois	27	28	-3.4%	0	0	0	0	0	0	27	28	
Indiana	194	174	11.6%	0	0	0	0	0	0	194	174	
Michigan	95	77	23.2%	24	12	72	65	0	0	0	0	
Ohio	74	75	-1.7%	0	0	56	57	0	0	19	18	
Wisconsin	0	0		0	0	0	0	0	0	0	0	
West North Central	NM	NM	NM	0	0	0	0	0	0	NM	NM	
lowa	0	0		0	0	0	0	0	0	0	0	
Kansas	0	0		0	0	0	0	0	0	0	0	
Minnesota	0	0		0	0	0	0	0	0	0	0	
Missouri	0	0		0	0	0	0	0	0	0	0	
Nebraska	0	0		0	0	0	0	0	0	0	0	
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM	
South Dakota	0	0		0	0	0	0	0	0	0	0	
South Atlantic	16	18	-12.3%	0	0	0	0	0	0	16	18	
Delaware	12	16	-21.2%	0	0	0	0	0	0	12	16	
District of Columbia	0	0		0	0	0	0	0	0	0	0	
Florida	0	0	-45.8%	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 East South Central	3 14	2 17	66.5% -20.8%	0	0	0	0	0	0	3 14	2 17	
Alabama	13	16	-20.6%	0	0	0	0	0	0	13	16	
Kentucky	0	0	-19.0%	0	0	0	0	0	0	0	0	
Mississippi	0	0		0	0	0	0	0	0	0	0	
Tennessee	1	2	-33.1%	0	0	0	0	0	0	1	2	
West South Central	392	316	23.9%	0	0	188	157	0	0	203	160	
Arkansas	0	0	20.070	0	0	0	0	0	0	0	0	
Louisiana	170	150	13.4%	0	0	71	69	0	0	99	80	
Oklahoma	0	0		0	0	0	0	0	0	0	0	
Texas	222	167	33.3%	0	0	117	87	0	0	105	79	
Mountain	36	35	4.2%	0	0	1	1	0	0	35	34	
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	1	0	NM	0	0	1	0	0	0	0	0	
Nevada	0	1	-49.7%	0	0	0	1	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	
Wyoming	35	34	1.5%	0	0	0	0	0	0	35	34	
Pacific Contiguous	174	132	32.2%	0	0	33	39	0	0	141	93	
California	141	93	52.2%	0	0	0	0	0	0	141	93	
Oregon	0	0		0	0	0	0	0	0	0	0	
Washington	33	39	-15.6%	0	0	33	39	0	0	0	0	
Pacific Noncontiguous	NM	NM	NM	0	0	0	0	0	0	NM	NM	
Alaska	0	0		0	0	0	0	0	0	0	0	
Hawaii	NM	NM	NM	0	0	0	0	0	0	NM	NM	
U.S. Total	1,086	943	15.2%	24	12	350	318	0	0	713	613	

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. ursprayed values of zero may represent small values that round to zero. The Excet version of this table provides additional precision which m NM = Not meaningful due to large relative standard error or excessive percentage change. Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923. Negative generation denotes that electric power consumed for plant use exceeds gross generation.

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.12.A. Net Generation from Nuclear Energy

by State, by Sector, Jan					Electric Pov	wer Sector					
Census Division and State		All Contorn		Electric	Utilities		endent roducers	Commercia	I Contor	I Contor	
	January	All Sectors January	Percentage	January	January	January	January	Commercia January	January	Industria January	January
	2015	2014	Change	2015	2014	2015	2014	2015	2014	2015	2014
New England	2,926	3,440	-14.9%	0		2,926	3,440	0	0	0	0
Connecticut	1,569	1,548	1.4%	0		1,569	1,548	0	0	0	0
Maine	0	0		0		0	0	0	0	0	0
Massachusetts	429	509	-15.6%	0		429	509	0	0	0	0
New Hampshire	927	928	0.0%	0		927	928	0	0	0	0
Rhode Island	0	0		0	0	0	0	0	0	0	0
Vermont	0	456	-100.0%	0	0	0	456	0	0	0	0
Middle Atlantic New Jersey	14,633 3,147	13,974 3,130	4.7% 0.6%	0		14,633 3,147	13,974 3,130	0	0	0	0
New York	4,036	3,130	2.7%	0		4,036	3,930	0	0	0	0
Pennsylvania	7,449	6,915	7.7%	0		7,449	6,915	0	0	0	0
East North Central	14,275	14,037	1.7%	2,502	2,407	11,772	11,629	0	0	0	0
Illinois	8,654	8,768	-1.3%	2,302	2,407	8,654	8,768	0	0	0	0
Indiana	0,004	0,700	1.070	0	0	0,004	0,700	0	0	0	0
Michigan	3,111	2,760	12.7%	2,502	2,407	608	353	0	0	0	0
Ohio	1,615	1,614	0.1%	0	2,407	1,615	1,614	0	0	0	0
Wisconsin	894	894	0.0%	0	0	894	894	0	0	0	0
West North Central	4,419	4,133	6.9%	4,000	3,678	419	455	0	0	0	0
lowa	419	455	-8.0%	0	0	419	455	0	0	0	0
Kansas	910	900	1.1%	910	900	0	0	0	0	0	0
Minnesota	1,214	957	26.9%	1,214	957	0	0	0	0	0	0
Missouri	911	924	-1.4%	911	924	0	0	0	0	0	0
Nebraska	966	897	7.6%	966	897	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	18,621	18,402	1.2%	17,293	17,270	1,328	1,131	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	2,734	2,735	0.0%	2,734	2,735	0	0	0	0	0	0
Georgia	2,979	3,040	-2.0%	2,979	3,040	0	0	0	0	0	0
Maryland	1,328	1,131	17.3%	0	0	1,328	1,131	0	0	0	0
North Carolina	3,899	3,768	3.5%	3,899	3,768	0	0	0	0	0	0
South Carolina	4,972	4,966	0.1%	4,972	4,966	0	0	0	0	0	0
Virginia	2,709	2,762	-1.9%	2,709	2,762	0	0	0	0	0	0
West Virginia East South Central	7,475	7,249	3.1%	7,475	7,249	0	0	0	0	0	0
Alabama	3,860	3,745	3.1%	3,860	3,745	0	0	0	0	0	0
Kentucky	3,000	0,740	3.170	0,000	0,740	0	0	0	0	0	0
Mississippi	1,030	908	13.4%	1,030	908	0	0	0	0	0	0
Tennessee	2,586	2,597	-0.4%	2,586	2,597	0	0	0	0	0	0
West South Central	6,548	6,414	2.1%	2,732	2,729	3,817	3,685	0	0	0	0
Arkansas	1,209	1,128	7.2%	1,209	1,128	0	0	0	0	0	0
Louisiana	1,523	1,601	-4.9%	1,523	1,601	0	0	0	0	0	0
Oklahoma	0	0		0	0	0	0	0	0	0	0
Texas	3,817	3,685	3.6%	0	0	3,817	3,685	0	0	0	0
Mountain	2,974	2,977	-0.1%	2,974	2,977	0	0	0	0	0	0
Arizona	2,974	2,977	-0.1%	2,974	2,977	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
Nevada	0	0		0		0		0	0	0	0
New Mexico	0	0		0		0	0	0	0	0	0
Utah	0	0		0		0		0	0	0	0
Wyoming	0	0		0 100		0	0	0	0	0	0
Pacific Contiguous	2,400	2,437	-1.5%	2,400	2,437	0	0	0	0	0	0
California	1,564	1,597	-2.1%	1,564	1,597	0	0	0	0	0	0
Oregon	0	0	0.50/	0	0	0	0	0	0	0	0
Washington	836	840 0	-0.5%	836	840 0	0	0	0	0	0	0
Pacific Noncontiguous Alaska	0	0		0		0	0	0	0	0	0
Hawaii	0	0		0		0	0	0	0	0	0
U.S. Total	74,270	73,064	1.7%	39,377	38,748	34,893	34,316	0	0	0	0
0.0. Total	14,210	73,004	1.1%	39,377	30,148	34,093	34,316	U	U	U	- 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 1.12.B. Net Generation from Nuclear Energy

by State, by Sector, Year-	-to-Date tillo	ugn Januar	y 2015 and 2	2014 (Thous								
Census Division	Census Division				Electric Po	ver Sector Indepe	endent					
and State		All Sectors		Electric	Utilities	Power Pr		Commerci	ommercial Sector Industrial Sector			
	January	January	Percentage	January	January	January	January	January	January	January	January	
	2015 YTD	2014 YTD	Change	2015 YTD	2014 YTD	2015 YTD	2014 YTD	2015 YTD	2014 YTD	2015 YTD	2014 YTD	
New England	2,926	3,440	-14.9%	0	0	2,926	3,440	0	0	0	0	
Connecticut	1,569	1,548	1.4%	0	0	1,569	1,548	0	0	0	0	
Maine	0	0	45.00/	0	0	0	0	0	0	0	0	
Massachusetts	429	509	-15.6%	0	0	429	509	0	0	0	0	
New Hampshire	927	928	0.0%	0	0	927	928	0	0	0	0	
Rhode Island Vermont	0	0 456	-100.0%	0	0	0	0 456	0	0	0	0	
Middle Atlantic	14,633	13,974	4.7%	0	0	14,633	13,974	0	0	0	0	
New Jersey	3,147	3,130	0.6%	0	0	3,147	3,130	0	0	0	0	
New York	4,036	3,930	2.7%	0	0	4,036	3,930	0	0	0	0	
Pennsylvania	7,449	6,915	7.7%	0	0	7,449	6,915	0	0	0	0	
East North Central	14,275	14,037	1.7%	2,502	2,407	11,772	11,629	0	0	0	0	
Illinois	8,654	8,768	-1.3%	0	0	8,654	8,768	0	0	0	0	
Indiana	0,001	0,100		0	0	0,001	0,700	0	0	0	0	
Michigan	3,111	2,760	12.7%	2,502	2,407	608	353	0	0	0	0	
Ohio	1,615	1,614	0.1%	0	0	1,615	1,614	0	0	0	0	
Wisconsin	894	894	0.0%	0	0	894	894	0	0	0	0	
West North Central	4,419	4,133	6.9%	4,000	3,678	419	455	0	0	0	0	
Iowa	419	455	-8.0%	0	0	419	455	0	0	0	0	
Kansas	910	900	1.1%	910	900	0	0	0	0	0	0	
Minnesota	1,214	957	26.9%	1,214	957	0	0	0	0	0	0	
Missouri	911	924	-1.4%	911	924	0	0	0	0	0	0	
Nebraska	966	897	7.6%	966	897	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	18,621	18,402	1.2%	17,293	17,270	1,328	1,131	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	2,734	2,735	0.0%	2,734	2,735	0	0	0	0	0	0	
Georgia	2,979	3,040	-2.0%	2,979	3,040	0	0	0	0	0	0	
Maryland	1,328	1,131	17.3%	0	0	1,328	1,131	0	0	0	0	
North Carolina	3,899	3,768	3.5%	3,899	3,768	0	0	0	0	0	0	
South Carolina	4,972	4,966	0.1%	4,972	4,966	0	0	0	0	0	0	
Virginia	2,709	2,762	-1.9%	2,709	2,762	0	0	0	0	0	0	
West Virginia	0	0		0	0	0	0	0	0	0	0	
East South Central	7,475	7,249	3.1%	7,475	7,249	0	0	0	0	0	0	
Alabama	3,860	3,745	3.1%	3,860	3,745	0	0	0	0	0	0	
Kentucky	0	0		0	0	0	0	0	0	0	0	
Mississippi Tennessee	1,030 2,586	908 2,597	13.4% -0.4%	1,030 2,586	908 2,597	0	0	0	0	0	0	
West South Central	6,548	6,414	2.1%	2,732	2,729	3,817	3,685	0	0	0	0	
Arkansas	1,209	1,128	7.2%	1,209	1,128	0,017	0,000	0	0	0	0	
Louisiana	1,523	1,601	-4.9%	1,523	1,601	0	0	0	0	0	0	
Oklahoma	0	0		0	0	0	0	0	0	0	0	
Texas	3,817	3,685	3.6%	0	0	3,817	3,685	0	0	0	0	
Mountain	2,974	2,977	-0.1%	2,974	2,977	0,017	0,000	0	0	0	0	
Arizona	2,974	2,977	-0.1%	2,974	2,977	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	2,400	2,437	-1.5%	2,400	2,437	0	0	0	0	0	0	
California	1,564	1,597	-2.1%	1,564	1,597	0	0	0	0	0	0	
Oregon	0	0	-	0	0	0	0	0	0	0	0	
Washington	836	840	-0.5%	836	840	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	74,270	73,064	1.7%	39,377	38,748	34,893	34,316	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 1.13.A. Net Generation from Hydroelectric (Conventional) Power

		Electric Po									
Census Division and State		All Sectors		Electric	Utilities		endent roducers	Commerc	mercial Sector Industrial Sec		
	January 2015	January 2014	Percentage Change	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014
New England	663	746	-11.1%	95	105	528	604	NM	NM	40	37
Connecticut	33	41	-19.3%	NM	NM	30	37	0	0		
Maine	322	331	-2.4%	0	0	284	295	0	0		36
Massachusetts	90	106	-15.5%	23	28	66	77	NM	NM	NM	NM
New Hampshire	113	143	-21.0%	36	31	77	111	0	0		NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0		0
Vermont	105	125	-16.2%	34	42	71	83	0	0		0
Middle Atlantic	2,357	2,439	-3.4%	1,826	1,790	525	643	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	2,152	2,127	1.2%	1,759	1,665	387	455	NM	NM	NM	NM
Pennsylvania	203	309	-34.4%	67	124	136	185	0	0	0	0
East North Central	429	330	29.8%	384	295	NM	21	NM	NM	NM	NM
Illinois	NM	NM	NM	NM	NM	NM	7	NM	NM	0	0
Indiana	30	27	11.9%	30	27	0	0		0	0	0
Michigan	148	108	36.9%	135	98	NM	NM	0	0	NM	NM
Ohio	29	30	-0.2%	29	30	0	0		0		
Wisconsin	212	154	37.2%	185	135	NM	NM	0	0		NM
West North Central	857	731	17.3%	830	709	NM	NM	0	0		NM
lowa	79	58	37.1%	79	57	NM	NM	0	0		
Kansas	NM	NM	NM	0	0	NM	NM	0	0		0
Minnesota	51	38	32.5%	NM	NM	NM	NM	0	0		NM
Missouri	48	97	-50.0%	48	97	0	0	0	0	0	0
Nebraska	119	87	37.3%	119	87	0	0	0	0	0	0
North Dakota	185	159	16.1%	185	159	0	0	0	0	0	0
South Dakota	374	290	28.9%	374	290	0	0		0		0
South Atlantic	1,348	2,205	-38.9%	1,071	1,762	158	269	NM	NM	117	172
Delaware	0	0		0	0	0	0	0	0		0
District of Columbia	0	0		0	0	0	0	0	0		
Florida	21	24	-13.9%	21	24	0	0		0		
Georgia	286	442	-35.3%	283	439	NM	NM	0	0		NM
Maryland	111	205	-46.1%	0	0	111	205	0	0	0	0
North Carolina	447	757	-40.9%	379	637	NM	NM	NM	NM	62	112
South Carolina	251	462	-45.7%	243	453	NM	NM	NM	NM	0	0
Virginia	105	166	-36.8%	98	157	NM	NM	0	0	NM	NM
West Virginia	127	147	-14.0%	47	52	27	38	0	0	52	57
East South Central	2,536	2,925	-13.3%	2,462	2,809	NM	NM	0	0	72	115
Alabama	1,199	1,345	-10.9%	1,199	1,345	0	0	0	0	0	0
Kentucky	340	382	-11.1%	339	382	NM	NM	0	0	0	0
Mississippi	0	0		0	0	0	0	0	0	0	0
Tennessee	997	1,198	-16.8%	925	1,083	0	0	0	0	72	115
West South Central	478	619	-22.8%	390	507	88	112	0	0	0	0
Arkansas	222	286	-22.5%	220	285	NM	NM	0	0	0	0
Louisiana	84	107	-22.2%	0	0	84	107	0	0	0	0
Oklahoma	104	150	-30.4%	104	150	0	0	0	0	0	0
Texas	68	75	-9.7%	65	72	NM	NM	0	0	0	0
Mountain	2,637	2,015	30.9%	2,197	1,695	440	320	NM	NM	0	0
Arizona	539	499	8.1%	539	499	0	0	0	0	0	0
Colorado	146	134	9.1%	123	119	NM	NM	NM	NM	0	0
Idaho	744	520	43.1%	699	488	45	32	0	0	0	0
Montana	845	619	36.7%	480	350	365	269	0	0	0	0
Nevada	270	172	56.6%	264	168	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	52	38	37.6%	51	37	NM	NM				
Wyoming	31	27	15.2%	30	26	NM	NM	0			
Pacific Contiguous	12,989	9,492	36.8%	12,892	9,421	97	71	NM	NM		
California	849	811	4.7%	812	779	NM	32	NM	NM	0	
Oregon	3,958	2,803	41.2%	3,930	2,784	NM	19		0		
				8,150	5,858	32	20				
Washington	8,182	5,878	39.2%	0,130							
Washington Pacific Noncontiguous	8,182 166	5,878 134	39.2% 23.4%	161	130	0	1	0	0		NM
								0	0	NM	
Pacific Noncontiguous	166	134	23.4%	161	130	0	1	0	0	NM 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 1.13.B. Net Generation from Hydroelectric (Conventional) Power

				Ì	Electric Po	wer Sector					
Census Division and State		All Sectors		Electric			endent roducers	Commerc	Commercial Sector Industrial Sec		
	January	January	Percentage	January	January	January	January	January	January	January	January
New England	2015 YTD 663	2014 YTD 746	Change -11.1%	2015 YTD 95	2014 YTD 105	2015 YTD 528	2014 YTD 604	2015 YTD NM	2014 YTD NM	2015 YTD 40	2014 YTD 37
Connecticut	33	41	-11.1%	NM	NM	30	37	0	0	0	0
Maine	322	331	-2.4%	0	0	284	295	0	0	39	36
Massachusetts	90	106	-15.5%	23	28	66	77	NM	NM	NM	NM
New Hampshire	113	143	-21.0%	36	31	77	111	0	0		NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	105	125	-16.2%	34	42	71	83	0	0	0	0
Middle Atlantic	2,357	2,439	-3.4%	1,826	1,790	525	643	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	2,152	2,127	1.2%	1,759	1,665	387	455	NM	NM	NM	NM
Pennsylvania	203	309	-34.4%	67	124	136	185	0	0	0	0
East North Central	429	330	29.8%	384	295	NM	21	NM	NM	NM	NM
Illinois	NM	NM	NM	NM	NM	NM	7	NM	NM	0	0
Indiana	30	27	11.9%	30	27	0	0	0	0	0	0
Michigan	148	108	36.9%	135	98	NM	NM	0	0	NM	NM
Ohio	29	30	-0.2%	29	30	0	0	0	0	0	0
Wisconsin	212	154	37.2%	185	135	NM	NM	0	0	NM	NM
West North Central	857	731	17.3%	830	709	NM	NM	0	0	NM	NM
lowa	79	58	37.1%	79	57	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	51	38	32.5%	NM	NM	NM	NM	0	0	NM	NM
Missouri	48	97	-50.0%	48	97	0	0	0	0	0	0
Nebraska	119	87	37.3%	119	87	0	0	0	0	0	0
North Dakota	185	159	16.1%	185	159	0	0	0	0	0	0
South Dakota	374	290	28.9%	374	290	0	0	0	0	0	0
South Atlantic	1,348	2,205	-38.9%	1,071	1,762	158	269	NM	NM	117	172
Delaware	0	0		0	0	0	0	0	0	0	0
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	21	24	-13.9%	21	24	0	0	0	0	0	0
Georgia	286	442	-35.3%	283	439	NM	NM	0	0	NM	NM
Maryland	111	205	-46.1%	0	0	111	205	0	0	0	0
North Carolina	447	757	-40.9%	379	637	NM	NM	NM	NM	62	112
South Carolina	251	462	-45.7%	243	453	NM	NM	NM	NM	0	0
Virginia	105	166	-36.8%	98	157	NM	NM	0	0	NM	NM
West Virginia	127	147	-14.0%	47	52	27	38	0	0	52	57
East South Central	2,536	2,925	-13.3%	2,462	2,809	NM	NM	0	0		115
Alabama	1,199	1,345	-10.9%	1,199	1,345	0	0	0	0	0	0
Kentucky	340	382	-11.1%	339	382	NM	NM	0	0	0	0
Mississippi	0	0	40.00/	0	0	0	0	0	0	0	0
Tennessee	997 478	1,198	-16.8% -22.8%	925 390	1,083 507	0 88	0 112	0	0	72 0	115
West South Central	222	619	-22.6% -22.5%	220	285	NM	NM	0	0	0	0
Arkansas Louisiana	84	286 107	-22.5%	0	205	84	107	0	0	0	0
Oklahoma	104	150	-30.4%	104	150	04	0	0	0	0	0
Texas	68	75	-30.4%	65	72	NM	NM	0	0	0	0
Mountain	2,637	2,015	30.9%	2,197	1,695	440	320	NM	NM	0	0
Arizona	539	499	8.1%	539	499	440	320	NIVI	0	0	0
Colorado	146	134	9.1%	123	119	NM	NM	NM	NM	0	0
Idaho	744	520	43.1%	699	488	45	32	0	0	0	0
Montana	845	619	36.7%	480	350	365	269	0	0	0	0
Nevada	270	172	56.6%	264	168	NM	NM	0	0		0
New Mexico	NM	NM	NM	NM	NM	0	0		0	_	0
Utah	52	38	37.6%	51	37	NM	NM	0	0	0	0
Wyoming	31	27	15.2%	30	26	NM	NM	0	0	0	0
Pacific Contiguous	12,989	9,492	36.8%	12,892	9,421	97	71	NM	NM	0	0
California	849	811	4.7%	812	779	NM	32	NM	NM	0	0
Oregon	3,958	2,803	41.2%	3,930	2,784	NM	19	0	0	0	0
Washington	8,182	5,878	39.2%	8,150	5,858	32	20	0	0		0
Pacific Noncontiguous	166	134	23.4%	161	130	0	1	0	0	NM	NM
Alaska	159	129	23.4%	159	129	0	0	0	0	0	0
Hawaii	NM	NM	NM	NM	NM	0	1	0	0	NM	NM
U.S. Total	24,459	21,636	13.0%	22,308	19,221	1,881	2,056	NM	NM	266	354

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 1.14.A. Net Generation from Renewable Sources Excluding Hydroelectric

by State, by Sector, January 2015 and 2014 (Thousand Megawatthours)

Census Division and State		All Sectors		Electric	Electric Po	Indep	endent roducers	Commerc	ial Sector	Industria	al Sector
and State	January	January	Percentage	January	January	January	January	January	January	January	January
	2015	2014	Change	2015	2014	2015	2014	2015	2014	2015	2014
New England	979	934	4.8%	87	90	720	655	19	18	153	172
Connecticut	70	68	2.8%	0	0	67	65	NM	3	0	0
Maine	462	450	2.7%	0	0	302	269	8	9	152	172
Massachusetts	152	135	12.4%	NM	NM	142	125	NM	NM	NM	0
New Hampshire	191	184	4.1%	32	34	156	146	NM	3	0	0
Rhode Island	23	17	31.0%	0	0	22	17	NM	0	0	0
Vermont	80	80	0.7%	48	48	32	32	NM	NM	0	0
Middle Atlantic	1,420	1,364	4.2%	NM	NM	1,290	1,235	50	49	76	78
New Jersey	126	110	14.1%	NM	NM	99	89	23	20	NM	NM
New York	687	650	5.6%	0	0	646	607	18	20	22	23
Pennsylvania	608	603	0.8%	0	0	546	539	9	9	54	54
East North Central	2,746	3,071	-10.6%	252	298	2,320	2,606	17	16	157	151
Illinois	1,062	1,367	-22.3%	NM	NM	1,061	1,365	0	0	0	0
Indiana	453	452	0.3%	27	26	421	421	NM	NM	NM	4
Michigan	734	666	10.2%	100	102	552	481	13	13	69	71
Ohio	198	235	-15.5%	NM	NM	163	199	NM	NM	32	33
Wisconsin	297	351	-15.4%	120	167	123	140	NM	NM	53	43
West North Central	5,205	5,540	-6.0%	1,734	1,701	3,411	3,778	13	13	47	48
lowa	1,826	1,868	-2.2%	1,086	1,028	735	835	NM	NM	3	2
Kansas	926	1,044	-11.3%	77	78	849		0		0	0
Minnesota	1,032	1,164	-11.3%	216	251	770		NM	NM	41	43
Missouri	122	149	-18.2%	4	3	113	143	4	2	NM	NM
Nebraska	334	232	44.1%	30	28	303	203	NM	NM	0	0
North Dakota	668	757	-11.8%	250	238	416		0		NM	NM
South Dakota	297	326	-8.9%	72	75	225	251	0		0	0
South Atlantic	1,916	1,829	4.8%	178	153	798		38	38	901	863
Delaware	8		1.8%	NM	NM	7		NM	NM	0	0
District of Columbia	0	0		0	0	0				0	0
Florida	447	439	1.9%	19	17	239		5		185	177
Georgia	383	359	6.6%	NM	0	56		NM	3	324	299
Maryland	100	91	9.9%	NM	NM	82		NM	NM	14	14
North Carolina	283	252	12.3%	NM	NM	163	142	10		110	99
South Carolina	183	204	-10.6%	40	40	NM	9			135	155
Virginia	354	309	14.4%	118	95	84	77	17	18	134	119
West Virginia	158	166	-4.8%	0	0	158		0		0	0
East South Central	544	551	-1.2%	8	8	38		NM	NM	498	509
Alabama	277	290	-4.6%	0	0	20		0		257	272
Kentucky	45	45	-0.5%	8	8	0				37	37
Mississippi	125	121	3.6%	0	0	NM	NM	0		124	120
Tennessee	97	94	2.5%	0	0	17	15	NM	NM	80	80
West South Central	4,619	5,563	-17.0%	133	213	4,007	4,900	NM	14.01	472	446
Arkansas	141	130	8.7%	0	0	11	11	NM	NM	129	118
Louisiana	234	227	2.8%	0	0	6				227	221
Oklahoma	1,080	1,203	-10.2%	113	185	940		0		28	28
Texas	3,164	4,003	-10.2 %	21	28	3,050	3,892	NM	4	87	79
Mountain	2,527	2,930	-13.8%	313	383	2,176	2,513	NM	NM	35	30
Arizona	193	2,930	-13.0%	28	23	164	2,313	NM	NM	0	0
Colorado	786	828	-5.0%	15	22	770	805	NM	NM	NM	NM
Idaho	231	295	-21.7%	10	14	187	252	0		35	30
Montana	251	256	-21.7 %	29	33	222	224	0		0	0
Nevada	383	340	12.6%	29 0	0					NM	NM
New Mexico	157	277	-43.2%	NM	NM	152		NM	NM	0	0
					NM 26					0	0
Utah	85 440	84 614	1.0%	24 203	261	61 238					0
Wyoming Pacific Contiguous	3,394		-28.3%	203 366				92		0	
Pacific Contiguous		3,806	-10.8%		519	2,735				200	208
California	2,593	2,636	-1.6%	122	177	2,322				59	64
Oregon	351	577	-39.2%	38	80	261	446			50	50
Washington	450	594	-24.3%	205	262	152		NM	NM	91	94
Pacific Noncontiguous	99	117	-15.5%	16	14	50				12	12
Alaska	19		-11.8%	NM	NM	NM		4		NM	NM
Hawaii	80	95	-16.3%	7	3	46		16		11	11
U.S. Total	23,448	25,705	-8.8%	3,092	3,380	17,545	19,544	260	263	2,552	2,517

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

Displayed values of Zero may represent small values that round to Zero. The Excel version of this table provides additional precision which in MM = Not meaningful due to large relative standard error or excessive percentage change.

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

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

by State, by Sector, Year-to-Date through January 2015 and 2014 (Thousand Megawatthours)

.,,		agii vanaai	y 2015 and 2	.014 (111003	Electric Po						
Census Division							endent				
and State		All Sectors		Electric			roducers		ial Sector	Industria	
	January	January	Percentage	January	January	January	January	January	January	January	January
	2015 YTD	2014 YTD	Change	2015 YTD	2014 YTD	2015 YTD	2014 YTD	2015 YTD	2014 YTD	2015 YTD	2014 YTD
New England	979	934	4.8%	87	90	720	655	19	18	153	172
Connecticut	70	68	2.8%	0	0	67	65	NM	3	0	0
Maine	462	450	2.7%	0	0	302	269	8	9	152	172
Massachusetts	152	135	12.4%	NM	NM	142	125	NM	NM	NM	C
New Hampshire	191	184	4.1%	32	34	156	146	NM	3	0	C
Rhode Island	23	17	31.0%	0	0	22	17	NM	0	0	C
Vermont	80	80	0.7%	48	48	32	32	NM	NM	0	C
Middle Atlantic	1,420	1,364	4.2%	NM	NM	1,290	1,235	50	49	76	78
New Jersey	126	110	14.1%	NM	NM	99	89	23	20	NM	NM
New York	687	650	5.6%	0	0	646	607	18	20	22	23
Pennsylvania	608	603	0.8%	0	0	546	539	9	9	54	54
East North Central	2,746	3,071	-10.6%	252	298	2,320	2,606	17	16	157	151
Illinois	1,062	1,367	-22.3%	NM	NM	1,061	1,365	0	0	0	С
Indiana	453	452	0.3%	27	26	421	421	NM	NM	NM	4
Michigan	734	666	10.2%	100	102	552	481	13	13	69	71
Ohio	198	235	-15.5%	NM	NM	163	199	NM	NM	32	33
Wisconsin	297	351	-15.4%	120	167	123	140	NM	NM	53	43
West North Central	5,205	5,540	-6.0%	1,734	1,701	3,411	3,778	13	13	47	48
Iowa	1,826	1,868	-2.2%	1,086	1,028	735	835	NM	NM	3	2
Kansas	926	1,044	-11.3%	77	78	849	966	0	0	0	C
Minnesota	1,032	1,164	-11.3%	216	251	770	864	NM	NM	41	43
Missouri	122	149	-18.2%	4	3	113	143	4	2	NM	NN
Nebraska	334	232	44.1%	30	28	303	203	NM	NM	0	C
North Dakota	668	757	-11.8%	250	238	416	518			NM	NM
South Dakota	297	326	-8.9%	72	75	225	251	0	0	0	C
South Atlantic	1,916	1,829	4.8%	178	153	798	775	38	38	901	863
Delaware	8	8	1.8%	NM	NM	7	7	NM	NM	0	C
District of Columbia	0	0		0	0	0	0		0	0	C
Florida	447	439	1.9%	19	17	239	242	5	3	185	177
Georgia	383	359	6.6%	NM	0	56	58	NM	3	324	299
Maryland	100	91	9.9%	NM	NM	82	73		NM	14	14
North Carolina	283	252	12.3%	NM	NM	163	142	10	10	110	99
South Carolina	183	204	-10.6%	40	40	NM	9		0	135	155
Virginia	354	309	14.4%	118	95	84	77	17	18	134	119
West Virginia	158	166	-4.8%	0	0	158	166	0	0	0	C
East South Central	544	551	-1.2%	8	8	38	34	NM	NM	498	509
Alabama	277	290	-4.6%	0	0	20	19		0	257	272
Kentucky	45	45	-0.5%	8	8	0	0	0	0	37	37
Mississippi	125	121	3.6%	0	0	NM	NM	0	0	124	120
Tennessee	97	94	2.5%	0	0	17	15		NM	80	80
West South Central	4,619	5,563	-17.0%	133	213	4,007	4,900	NM	4	472	446
Arkansas	141	130	8.7%	0	0	11	11	NM	NM	129	118
Louisiana	234	227	2.8%	0	0	6	6	0	0	227	221
Oklahoma	1,080	1,203	-10.2%	113	185	940	991	0	0	28	28
Texas	3,164	4,003	-21.0%	21	28	3,050	3,892	NM	4	87	79
Mountain	2,527	2,930	-13.8%	313	383	2,176	2,513	NM	NM	35	30
Arizona	193	235	-18.0%	28	23	164	211	NM	NM	0	C
Colorado	786	828	-5.0%	15	22	770	805	NM	NM	NM	NM
Idaho	231	295	-21.7%	10	14	187	252	0	0	35	30
Montana	251	256	-2.0%	29	33	222	224	0	0	0	C
Nevada	383	340	12.6%	0	0	381	338	NM	NM	NM	NM
New Mexico	157	277	-43.2%	NM	NM	152	272	NM	NM	0	C
Utah	85	84	1.0%	24	26	61	58	0	0	0	C
Wyoming	440	614	-28.3%	203	261	238	354	0	0	0	C
Pacific Contiguous	3,394	3,806	-10.8%	366	519	2,735	2,980	92	99	200	208
California	2,593	2,636	-1.6%	122	177	2,322	2,298	90	96	59	64
Oregon	351	577	-39.2%	38	80	261	446	NM	NM	50	50
Washington	450	594	-24.3%	205	262	152	237	NM	NM	91	94
Pacific Noncontiguous	99	117	-15.5%	16	14	50	69			12	12
Alaska	19	22	-11.8%	NM	NM	NM	NM	4	4	NM	NM
Hawaii	80	95	-16.3%	7	3	46	64	16	17	11	11
U.S. Total	23,448	25,705	-8.8%	3,092	3,380	17,545				2,552	2,517

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

Displayed values on Zero Hing represent shall values trait found to Zero. The Excer version of this table provides additional precision which MM = Not meaningful due to large relative standard error or excessive percentage change.

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

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

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

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

by State, by Sector, January 2015 and 2014 (Thousand Megawatthours)

by State, by Sector, Janu	,				Electric Po	wer Sector					
Census Division and State		All Castana		Flantsia	I latitlation	Indepe		Ci-	I Castan	lu desatala l	C
and State	January	All Sectors January	Percentage	January	Utilities January	Power Programmer Progr	roducers January	Commercia January	January	Industrial January	January
	2015	2014	Change	2015		2015	2014	2015	2014	2015	2014
New England	-37	-31	19.9%	0		-37	-31	0	0	0	0
Connecticut	2	4	-50.0%	0		2	4	0	0	0	0
Maine	0	0		0		0	0	0	0	0	0
Massachusetts	-39	-35	11.9%	0		-39	-35	0	0	0	0
New Hampshire	0	0		0		0	0	0	0	0	0
Rhode Island	0	0		0		0	0	0	0	0	0
Vermont	0	0		0		0	0	0	0	0	0
Middle Atlantic New Jersey	-84 -17	-106 -22	-20.4% -26.0%	-29 -17	-65 -22	-55 0	-41 0	0	0	0	0
New York	-17	-22 -42	-69.5%	-17		0	0	0	0	0	0
Pennsylvania	-55	-42	33.0%	0		-55	-41	0	0	0	0
East North Central	-43	-58	-25.9%	-43		-55	0	0	0	0	0
Illinois	-43	0	-23.970	0		0	0	0	0	0	0
Indiana	0	0		0		0	0	0	0	0	0
Michigan	-43	-58	-25.9%	-43		0	0	0	0	0	0
Ohio	0	0		0		0	0	0	0	0	0
Wisconsin	0	0		0		0	0	0	0	0	0
West North Central	4	2	111.9%	4		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
Minnesota	0	0		0	0	0	0	0	0	0	0
Missouri	4	2	111.9%	4	2	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
South Atlantic	-222	-87	153.7%	-222	-87	0	0	0	0	0	0
Delaware	0	0		0		0	0	0	0	0	0
District of Columbia	0	0		0		0	0	0	0	0	0
Florida	0	0		0		0	0	0	0	0	0
Georgia	-84	6	NM	-84		0	0	0	0	0	0
Maryland	0	0		0		0	0	0	0	0	0
North Carolina	24	0		24		0	0	0	0	0	0
South Carolina Virginia	-90 -72	-13 -81	600.5% -10.6%	-90 -72		0	0	0	0	0	0
West Virginia	-12	-01	-10.6%	-12		0	0	0	0	0	0
East South Central	-32	7	-528.3%	-32		0	0	0	0	0	0
Alabama	0	0	-320.370	0		0	0	0	0	0	0
Kentucky	0	0		0		0	0	0	0	0	0
Mississippi	0	0		0		0	0	0	0	0	0
Tennessee	-32	7	-528.3%	-32		0	0	0	0	0	0
West South Central	-2	-3	-8.4%	-2		0	0	0	0	0	0
Arkansas	0	7	-93.7%	0	7	0	0	0	0	0	0
Louisiana	0	0		0	0	0	0	0	0	0	0
Oklahoma	-3	-9	-70.5%	-3	-9	0	0	0	0	0	0
Texas	0	0		0		0	0	0	0	0	0
Mountain	-33	-14	136.2%	-33		0	0	0	0	0	0
Arizona	-3	6	-152.4%	-3		0	0	0	0	0	0
Colorado	-29	-20	45.3%	-29		0	0	0	0	0	0
Idaho	0	0		0		0	0	0	0	0	0
Montana	0	0		0		0	0	0	0	0	0
Nevada	0	0		0		0	0	0	0	0	0
New Mexico	0	0		0		0	0	0	0	0	0
Utah Wyoming	0	0		0		0	0	0	0	0	0
Wyoming Pacific Contiguous	-79	-1	 NM	-79		0	0	0	0	0	0
California	-79 -85	-1	NM	-79		0	0	0	0	0	0
Oregon	-05	0	INIVI	-05		0	0	0	0	0	0
Washington	6	0	 NM	6		0	0	0	0	0	0
Pacific Noncontiguous	0	0	INIVI	0		0	0	0	0	0	0
Alaska	0	0		0		0	0	0	0	0	0
						0				3	
Hawaii	0	0		0	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.

Displayed values of Zero Hay represent shall values that round to Zero. The Excel version of this table provides additional precision which is MM = Not meaningful due to large relative standard error or excessive percentage change.

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

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

by State, by Sector, Year-to-Date through January 2015 and 2014 (Thousand Megawatthours)

by State, by Sector, Year	r-to-Date thro	ugn Januar	y 2015 and 2	2014 (Thous							
Census Division	1				Electric Po	wer Sector Indepe	endent		I		
and State		All Sectors		Electric	Utilities	Power Pi		Commerci	al Sector	Industria	al Sector
	January	January	Percentage	January	January	January	January	January	January	January	January
	2015 YTD	2014 YTD	Change	2015 YTD	2014 YTD	2015 YTD	2014 YTD	2015 YTD	2014 YTD	2015 YTD	2014 YTD
New England	-37	-31	19.9%	0	0	-37	-31	0	0	0	0
Connecticut	2	4	-50.0%	0	0	2	4	0	0	0	0
Maine	0	0		0	0	0	0	0	0	0	0
Massachusetts	-39	-35	11.9%	0	0	-39	-35	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 Middle Atlantic	-84	-106	-20.4%	-29	-65	-55	-41	0	0	0	0
New Jersey	-17	-106	-20.4%	-29	-05	-55	0	0	0	0	0
New York	-13	-42	-69.5%	-13	-42	0	0	0	0	0	0
Pennsylvania	-55	-41	33.0%	0	0	-55	-41	0	0	0	0
East North Central	-43	-58	-25.9%	-43	-58	0	0	0	0	0	0
Illinois	0	0	20.070	0	0	0	0	0	0	0	0
Indiana	0	0		0	0	0	0	0	0	0	0
Michigan	-43	-58	-25.9%	-43	-58	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	4	2	111.9%	4	2	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	4	2	111.9%	4	2	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	-222	-87	153.7%	-222	-87	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	-84	6	NM	-84	6	0	0	0	0	0	0
Maryland	0	0		0	0	0	0	0	0	0	0
North Carolina	24	0		24	0	0	0	0	0	0	0
South Carolina	-90	-13	600.5%	-90	-13	0	0	0	0	0	0
Virginia	-72	-81	-10.6%	-72	-81	0	0	0	0	0	0
West Virginia	0	0		0	0	0	0	0	0	0	0
East South Central	-32	7	-528.3%	-32	7	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 West South Central	-32	7 -3	-528.3% -8.4%	-32	7 -3	0	0	0	0	0	0
Arkansas	-2	-3 7	-93.7%	-2 0	-3 7	0	0	0	0	0	0
Louisiana	0	0	-33.176 	0	0	0	0	0	0	0	0
Oklahoma	-3	-9	-70.5%	-3	-9	0	0	0	0	0	0
Texas	-3	-9	-10.5/6	-5	-9	0	0	0	0	0	0
Mountain	-33	-14	136.2%	-33	-14	0	0	0	0	0	0
Arizona	-3	6	-152.4%	-3	6	0	0	0	0	0	0
Colorado	-29	-20	45.3%	-29	-20	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	-79	-1	NM	-79	-1	0	0	0	0	0	0
California	-85	0	NM	-85	0	0	0	0	0	0	0
Oregon	0	0		0	0	0	0	0	0	0	0
Washington	6	0	NM	6	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	-528	-290	82.1%	-436	-218	-92	-72	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.

bisplayed values of Zelo may represent similar values timal round to Zelo. The Excel version of this table provides additional precision which in MM = Not meaningful due to large relative standard error or excessive percentage change.

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

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.16.A. Net Generation from Other Energy Sources

by State, by Sector, January 2015 and 2014 (Thousand Megawatthours)

	Course Division				Electric Po						
Census Division and State		All Sectors		Electric	Utilities		endent roducers	Commerc	ial Sector	Industria	al Sector
	January 2015	January 2014	Percentage Change	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014
New England	165	156	5.6%	0		145	136	10	10	10	
Connecticut	51	51	1.1%	0		49	48	NM	NM	0	
Maine	30	30	1.3%	0		13	13	8	8	10	
Massachusetts	77	70	10.4%	0			70	0	0	0	
New Hampshire	6	5	8.7%	0		6	5	0	0	0	
Rhode Island	0	0		0		0	0	0	0	0	
Vermont	0	0		0		0	0	0	0	0	
Middle Atlantic	195	175	11.9%	0		159	138	36	37	0	
New Jersey	44	41	6.8%	0		32	30	12	12	0	
New York	77	72	7.7%	0		61	55	17	17	0	
Pennsylvania	74	61	20.3%	0		66	53	8	8	0	
East North Central	89	74	20.3%	10		14	12	14	13	51	38
Illinois	21	21	1.0%	0		0	0	0	0	21	21
Indiana	34	21	61.1%	8		0	0	NM	NM	24	11
Michigan	29	27	8.0%	NM		14	12	13	12	2	
Ohio	1	1	5.5%	0		0	0		0	1	1
Wisconsin	4	5	-4.1%	2		0	0	0	0	NM	3
West North Central	35	31	13.9%	19		9	9	Ü	NM	NM	4
lowa	0	0	13.370	0		0	0		0	0	-
Kansas	0	0		0		0	0	0	0	0	
Minnesota	26	26	1.2%	11	10	9	9	_	NM	NM	4
Missouri	5	20	226.3%	5		0	0		0	0	
Nebraska	0	0	220.370	0		0	0	0	0	0	
North Dakota	NM	3	NM	NM	3	0	0	0	0	0	
South Dakota	0	0	INIVI	0		0	0	0	0	0	
South Atlantic	332	322	3.1%	0		186	185	16	15	129	121
Delaware	0	0	3.1%	0		0	0	0	0	0	0
	0	0				0	0	0	0	0	
District of Columbia	245	224	0.40/	0		119				126	
Florida	245		9.4%	0		0	113	0	0	0	111
Georgia		5	-96.9% -5.0%	0			25	NM	NM	0	
Maryland	24	25		0		23	20			0	
North Carolina	19	20	-4.0%			19		0	0		
South Carolina	4 40	6 42	-34.1%	0		NM 24	NM 27	0 16	0 15	3	
Virginia	0	0	-4.2%	0			0		0	0	
West Virginia	13	NM	NIM	11	0	0	0		0	2	
East South Central			NM							0	
Alabama	0	0	-100.0%	0	0	0	0	0	0	0	
Kentucky	11		 NIM				0	ŭ	0		NM
Mississippi	NM	NM	NM	0		0		0	0	NM	
Tennessee	2	0	NM 7.00/	0		0	0		0	2	0
West South Central	104	96	7.9%	0		NM	NM	0	0	103	95
Arkansas	2	1	53.1%	0		0	0	0	0	2	1
Louisiana	48	62	-23.9%	0		0	0		0	48	62
Oklahoma	NM	NM 24	NM	0			0		0	NM	NM 24
Texas	53	31	70.4%	0		NM 27	NM	0	0	53	31
Mountain	32	47	-32.4%	NM	2	27	28	0	0	NM	17
Arizona	0	0		0		0	0	0	0	0	
Colorado	NM		NM	0		NM	NM	0	0	NM	NM
Idaho	0	0		0		0	0	·	0	0	0
Montana	26	27	-2.5%	0		26	27	0	0	0	
Nevada	NM	2	NM	NM	2	0	0	0	0	0	
New Mexico	NM	NM 45	NM	NM		0	0		0	0	
Utah	NM	15	NM	0			NM	0		0	
	0	0		0			0			0	
Wyoming	83	89	-6.6%	0				0		58	
Pacific Contiguous	67	71	-4.9%	0		16	19	0	0	52	
Pacific Contiguous California			NM	0		NM	3	0	0	0	
Pacific Contiguous California Oregon	NM	3									
Pacific Contiguous California Oregon Washington	12	15	-16.7%	0		6	6		0	6	
Pacific Contiguous California Oregon Washington Pacific Noncontiguous	12 16	15 19	-18.3%	0	NM	1	0	15	17	0	0
Pacific Contiguous California Oregon Washington Pacific Noncontiguous Alaska	12 16 0	15 19 NM	-18.3% NM	0	NM NM	1	0	15 0	17 0	0	0
Pacific Contiguous California Oregon Washington Pacific Noncontiguous	12 16	15 19	-18.3%	0	NM NM 0	1 0 1	0 0	15 0	17	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.

Displayed values of Zero may represent small values that round to Zero. The Excel version of this table provides additional precision which in MM = Not meaningful due to large relative standard error or excessive percentage change.

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

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.16.B. Net Generation from Other Energy Sources

by State, by Sector, Year-to-Date through January 2015 and 2014 (Thousand Megawatthours)

by State, by Sector, Teal				ì	Electric Po						
Census Division and State		All Sectors		Electric			endent roducers	Commerc	ial Sector	Industria	l Sector
	January 2015 YTD	January 2014 YTD	Percentage	January 2015 YTD	January 2014 YTD						
New England	165	156	Change 5.6%	2015 110	2014 11D	145	136	10	10	10	10
Connecticut	51	51	1.1%	0	0	49	48	NM	NM	0	0
Maine	30	30	1.3%	0	0	13	13	8	8	10	10
Massachusetts	77	70	10.4%	0	0	77	70	0	0	0	0
New Hampshire	6	5	8.7%	0	0	6	5		0		0
Rhode Island	0	0	0.7 /6	0	0	0	0	0	0	0	0
Vermont	0	0		0	0	0	0		0	0	0
Middle Atlantic	195	175	11.9%	0	0	159	138	36	37	0	0
New Jersey	44	41	6.8%	0	0	32	30	12	12	0	0
New York	77	72	7.7%	0	0	61	55	17	17	0	0
Pennsylvania	74	61	20.3%	0	0	66	53	8	8	0	0
East North Central	89	74	20.3%	10	10	14	12	14	13	51	38
Illinois	21	21	1.0%	0	0	0	0	0	0	21	21
Indiana	34	21	61.1%	8	9	0	0	NM	NM	24	11
	29	27	8.0%	o NM	9 NM	14	12	13	12	24	11
Michigan	29	1				0				1	
Ohio	4	5	5.5% -4.1%	0	0	0	0	0	0	NM	1
Wisconsin West North Central	35	31		19	15	9			NM	NM NM	3
West North Central			13.9%			0	9				4
lowa	0	0		0	0	0	0	0	0	0	0
Kansas			4.00/			9					0
Minnesota	26	26 2	1.2%	11	10	0	9	NM	NM	NM	4
Missouri	5		226.3%	5 0	2	0	0	0	0	0	0
Nebraska Nerth Delicate	0	0	 NIM				0		0		0
North Dakota	NM	3	NM	NM	3	0	0	0	0	0	0
South Dakota	0	0		0	0	0	0	0	0	0	0
South Atlantic	332	322	3.1%	0	0	186	185	16	15	129	121
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	245	224	9.4%	0	0	119	113	0	0	126	111
Georgia	0	5	-96.9%	0	0	0	0	0	0	0	5
Maryland	24	25	-5.0%	0	0	23	25	NM	NM	0	0
North Carolina	19	20	-4.0%	0	0	19	20	0	0	0	0
South Carolina	4	6	-34.1%	0	0	NM	NM	0	0		5
Virginia	40	42	-4.2%	0	0	24	27	16	15	0	0
West Virginia	0	0		0	0	0	0	0	0	0	0
East South Central	13	NM	NM	11	0	0	0		0		NM
Alabama	0	0	-100.0%	0	0	0	0		0		0
Kentucky	11	0		11	0	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0		0	NM	NM
Tennessee	2	0	NM	0	0	0	0	0	0		0
West South Central	104	96	7.9%	0	0	NM	NM	0	0	103	95
Arkansas	2	1	53.1%	0	0	0	0	0	0	2	1
Louisiana	48	62	-23.9%	0	0	0	0	0	0		62
Oklahoma	NM	NM	NM	0	0	0	0	0	0	NM	NM
Texas	53	31	70.4%	0	0	NM	NM	0	0	53	31
Mountain	32	47	-32.4%	NM	2	27	28	0	0		17
Arizona	0	0		0	0	0	0	0	0	0	0
Colorado	NM	4	NM	0	0	NM	NM	0	0	NM	NM
Idaho	0	0		0	0	0	0	0	0	0	0
Montana	26	27	-2.5%	0	0	26	27	0	0	0	0
Nevada	NM	2	NM	NM	2	0			0		0
New Mexico	NM	NM	NM	NM	NM	0			0		0
Utah	NM	15	NM	0	0	NM	NM	0	0		15
Wyoming	0	0		0	0	0	0		0		0
Pacific Contiguous	83	89	-6.6%	0	0		28		0		60
California	67	71	-4.9%	0	0	16	19	0	0		52
Oregon	NM	3	NM	0	0		3		0		0
Washington	12	15	-16.7%	0	0	6	6		0		9
Pacific Noncontiguous	16	19	-18.3%	0	NM	1	0	15	17	0	0
Alaska	0	NM	NM	0	NM	0	0	0	0	0	0
Hawaii	16	17	-7.3%	0	0	1	0		17	0	0
U.S. Total	1,063	1,009	5.4%	43	30	566	538	94	94	361	347

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.

Displayed values on Zero Hing represent shall values trait found to Zero. The Excer version of this table provides additional precision which MM = Not meaningful due to large relative standard error or excessive percentage change.

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

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

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

Table 1.17.A. Net Generation from Wind

by State, by Sector, January 2015 and 2014 (Thousand Megawatthours)

					Electric Pov						
Census Division and State		All Sectors		Electric	Utilities	Indepe Power P	endent	Commerc	ial Sector	Industria	l Sactor
and State	January	January	Percentage	January	January	January	January	January	January	January	January
	2015	2014	Change	2015	2014	2015	2014	2015	2014	2015	2014
New England	241	224	7.5%	29	24	207	197	NM	NM	NM	0
Connecticut	0	0		0	0	0	0	0	0	0	0
Maine	132	121	9.1%	0	0	132	121	0	0	0	0
Massachusetts	23	26	-13.8%	NM	NM	13	16	NM	NM	NM	0
New Hampshire	49	46	6.6%	0	0	49	46	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	NM	0	0	0
Vermont	36	31	17.1%	23	17	13	14	0	0	0	0
Middle Atlantic	873	861	1.5%	0	0	873	860	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	484	456	6.2%	0	0	484	455	0	0	NM	NM
Pennsylvania	388	404	-3.9%	0	0	388	404	0	0	0	0
East North Central	2,198	2,522	-12.8%	202	241	1,992	2,278	NM	NM	NM	NM
Illinois	1,003	1,311	-23.5%	NM	NM	1,002	1,309	0	0	0	0
Indiana	411	415	-1.0%	0	0	411	415	NM	NM	0	0
Michigan	502	421	19.2%	100	102	401	319	0	0	0	0
Ohio	126	166	-23.7%	NM	NM	122	161	0	0	NM	NM
Wisconsin	156	210	-25.5%	99	136	56	74	0	0	NM	0
West North Central	5,024	5,365	-6.4%	1,690	1,661	3,330	3,700	NM	NM	0	0
lowa	1,811	1,854	-2.3%	1,083	1,026	727	828	NM	NM	0	0
Kansas	921	1,039	-11.3%	77	78	844	961	0	0	0	0
Minnesota	890	1,023	-13.0%	183	221	705	799	NM	NM	0	0
Missouri	111	141	-21.5%	0	0	111	141	0	0	0	0
Nebraska	328	226	45.1%	25	24	303	203	0	0	0	0
North Dakota	666	755	-11.9%	250	238	416	518	0	0	0	0
South Dakota	297	326	-8.9%	72	75	225	251	0	0	0	0
South Atlantic	204	202	1.0%	0	0	203	201	NM	NM	0	0
Delaware	NM	NM	NM	0	0	0	0	NM	NM	0	0
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	0	0		0	0	0	0	0	0	0	0
Georgia	0	0		0	0	0	0	0	0	0	0
Maryland	45	35	28.1%	0	0	45	35	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	158	166	-4.8%	0	0	158	166	0	0	0	0
East South Central	5	7	-30.4%	0	0	5	7	0	0	0	0
Alabama	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	5	7	-30.4%	0	0	5	/	0	0	0	0
West South Central	4,052	5,023	-19.3%	133	213	3,917	4,811	NM	0	0	0
Arkansas	0	0		0	0	0	0	0	0	0	0
Louisiana	0	0	40.5%	0	0	0	0	0	0	0	0
Oklahoma	1,052	1,175	-10.5%	113 21	185	940	991	0	0	0	0
Texas	3,000 1,828	3,848	-22.0% -18.4%	255	28 328	2,977	3,820	NM NM	0 NM	0 NM	NM
Mountain	1,020	2,240 29	-43.4%	255	0	1,572	1,911 29		0	0	0
Arizona					22	750	782	0	NM	NM	NM
Colorado Idaho	765 174	805 243	-4.9% -28.3%	15 9	13	750 165	230	0	NM 0	NIM 0	INIV
	251	243 256	-28.3% -2.0%	29	33	222	230	0	0	0	0
Montana Nevada			-2.0% 67.9%	0			15	0	0	0	0
New Mexico	25 124	248	-50.2%	0	0	25 123	248	NM	NM	0	0
Utah	31	248	-50.2% 5.3%	0		31	248	0	0	0	0
	440	614	-28.3%	203	261	238	354	0	0	0	0
Wyoming Pacific Contiguous	794	1,519	-28.3% -47.8%	203	357	592	1,162	0 NM	0 NM	NM	NM
-	249	607	-47.8% -58.9%	7	63	241	544	NM	NM	NM	NM
California	249	464	-58.9% -48.4%	33	74	241	390	NM 0	NM 0	NIVI 0	NIVI 0
Oregon Washington	305	464	-48.4% -32.0%	161	220	143	229	0	0	0	0
Washington Pacific Noncontiguous	305	448 53	-32.0% -26.0%	NM	NM	30	42	0	0	0	0
	NM	16	-26.0% NM	NM	NM	NM	NM	0	0	0	0
Alaska Hawaii	NM 25	36	-30.8%	NM 0	NM 0	NM 25	NIM 36	0	0	0	0
	25	36	-30.8%	0	0	25	36	0	U	. ()	()

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.

Displayed values of Zero Hay represent shall values that round to Zero. The Excel version of this table provides additional precision which is MM = Not meaningful due to large relative standard error or excessive percentage change.

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

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.17.B. Net Generation from Wind

by State, by Sector, Year-to-Date through January 2015 and 2014 (Thousand Megawatthours)

by State, by Sector, Tear-to-Date through Sandary 2013 and				Electric Power Sector							
Census Division and State		All Sectors		Electric			endent roducers	Commerc	ial Sector	Industria	l Sector
	January	January	Percentage	January	January	January	January	January	January	January	January
New England	2015 YTD 241	2014 YTD 224	Change 7.5%	2015 YTD 29	2014 YTD 24	2015 YTD 207	2014 YTD	2015 YTD NM	2014 YTD NM	2015 YTD NM	2014 YTD
New England Connecticut	0	0	7.5%	0	0	207	197	0	0	0	0
Maine	132	121	9.1%	0	0	132	121	0	0	0	0
Massachusetts	23	26	-13.8%	NM	NM	132	16	NM	NM	NM	0
New Hampshire	49	46	6.6%	0	0	49	46	0	0		0
Rhode Island	NM	NM	NM	0	0	NM	NM	NM	0	0	0
Vermont	36	31	17.1%	23	17	13	14	0	0	0	0
Middle Atlantic	873	861	1.5%	0	0	873	860	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	484	456	6.2%	0	0	484	455	0	0	NM	NM
Pennsylvania	388	404	-3.9%	0	0	388	404	0	0	0	0
East North Central	2,198	2,522	-12.8%	202	241	1,992	2,278	NM	NM	NM	NM
Illinois	1,003	1,311	-23.5%	NM	NM	1,002	1,309	0	0	0	0
Indiana	411	415	-1.0%	0	0	411	415	NM	NM	0	0
Michigan	502	421	19.2%	100	102	401	319	0	0	0	0
Ohio	126	166	-23.7%	NM	NM 420	122	161	0	0	NM	NM
Wisconsin West North Central	156 5,024	210	-25.5% -6.4%	99 1,690	136 1,661	56 3,330	74 3,700	0 NM	0 NM	NM 0	0
		5,365					3,700 828		NM		0
lowa Kansas	1,811 921	1,854 1,039	-2.3% -11.3%	1,083 77	1,026 78	727 844	961	NM 0	NM 0	0	0
Minnesota	890	1,039	-11.3%	183	221	705	799	NM	NM	0	0
Missouri	111	141	-21.5%	0	0	111	141	0	0	0	0
Nebraska	328	226	45.1%	25	24	303	203	0	0	0	0
North Dakota	666	755	-11.9%	250	238	416	518	0	0	0	0
South Dakota	297	326	-8.9%	72	75	225	251	0	0	0	0
South Atlantic	204	202	1.0%	0	0	203	201	NM	NM	0	0
Delaware	NM	NM	NM	0	0	0	0	NM	NM	0	0
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	0	0		0	0	0	0	0	0	0	0
Georgia	0	0		0	0	0	0	0	0	0	0
Maryland	45	35	28.1%	0	0	45	35	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
Virginia	0	0		0	0	0	0	0	0	0	0
West Virginia	158 5	166 7	-4.8% -30.4%	0	0	158 5	166	0	0	0	0
East South Central Alabama	0	0	-30.4%	0	0	0	7		0	0	0
Kentucky	0	0		0	0	0	0	0	0	0	0
Mississippi	0	0		0	0	0	0		0	0	0
Tennessee	5	7	-30.4%	0	0	5	7	0	0	0	0
West South Central	4,052	5,023	-19.3%	133	213	3,917	4,811	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	1,052	1,175	-10.5%	113	185	940	991	0	0	0	0
Texas	3,000	3,848	-22.0%	21	28	2,977	3,820	NM	0	0	0
Mountain	1,828	2,240	-18.4%	255	328	1,572	1,911	NM	NM	NM	NM
Arizona	16	29	-43.4%	0	0	16	29	0	0	0	0
Colorado	765	805	-4.9%	15	22	750	782	0	NM	NM	NM
Idaho	174	243	-28.3%	9	13	165	230	0	0	0	0
Montana	251	256	-2.0%	29	33	222	224	0	0	0	0
Nevada New Mexico	25 124	15 248	67.9% -50.2%	0	0	25 123	15 248	0 NM	0 NM		0
	31	248	-50.2% 5.3%	0	0	31	248			0	0
Utah Wyoming	440	614	-28.3%	203	261	238	354	0	0		0
Pacific Contiguous	794	1,519	-20.3% -47.8%	203	357	592	1,162	NM	NM	NM	NM
California	249	607	-47.6% -58.9%	7	63	241	544	NM	NM	NM	NM
Oregon	239	464	-48.4%	33	74	207	390	0	0	0	0
Washington	305	448	-32.0%	161	220	143	229	0	0		0
Pacific Noncontiguous	39	53	-26.0%	NM	NM	30	42	0	0	0	0
Alaska	NM	16	NM	NM	NM	NM	NM	0	0	0	0
Hawaii	25	36	-30.8%	0	0	25	36	0	0		0
U.S. Total	15,258	18,017	-15.3%	2,521	2,836	12,721	15,169	NM	NM	NM	NM

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

Displayed values on Zero Hing represent shall values trait found to Zero. The Excer version of this table provides additional precision which MM = Not meaningful due to large relative standard error or excessive percentage change.

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

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

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

Table 1.18.A. Net Generation from Biomass

by State, by Sector, January 2015 and 2014 (Thousand Megawatthours)

Census Division and State		All Sectors		Electric Utilities Power		Indep	endent roducers	Commerc	ial Sector	Industri	al Sector
	January	January	Percentage	January	January	January	January	January	January	January	January
	2015	2014	Change	2015	2014	2015	2014	2015	2014	2015	2014
New England	705	692	1.9%	57	65	481	440	14	15		172
Connecticut	69	68	2.2%	0	0	66	65	NM	3		C
Maine	331	329	0.4%	0		170	149	8			172
Massachusetts	102	95	7.7%	0	0	102	94	NM	NM		C
New Hampshire	142	138	3.2%	32	34	107	100	NM	3		
Rhode Island	20	16	27.7%	0	0	20	16	0			
Vermont	41	47	-12.8%	25	31	16		NM	NM		
Middle Atlantic	498	467	6.6%	0	0	382	348	41	42	75	77
New Jersey	85	80	5.6%	0	0	71	67	14	13		C
New York	198	191	3.5%	0		158	149	18			23
Pennsylvania	216	196	10.0%	0	0	154	133	9			54
East North Central	531	538	-1.4%	49	57	312	318	16			147
Illinois	56	53	5.8%	0	0	56	53	0			
Indiana	32	31	3.1%	27	26	0		NM	NM		4
Michigan	233	245	-5.3%	0	0	151	161	13	13		71
Ohio	68	66	3.0%	NM	NM	38	37	0			29
Wisconsin	141	141	-0.4%	21	30	67	66	NM	NM	52	43
West North Central	180	175	3.0%	43	40	79		10	9		48
lowa	15	14	10.4%	NM	2	7	7	NM	2		
Kansas	5	5	5.0%	0	0	5	5	0			
Minnesota	142	141	0.6%	33	31	65	64	NM	2		43
Missouri	10	8	27.9%	4	3	NM	NM	4	2	NM	NM
Nebraska	6	6	2.3%	4	4	0		NM	NM	0	C
North Dakota	NM	NM	NM	0		0		0			NN
South Dakota	0	0		0	0	0	0	0			C
South Atlantic	1,604	1,561	2.8%	167	143	504	523	33			863
Delaware	5	5	4.5%	0	0	5		0			
District of Columbia	0	0		0	0	0		0			C
Florida	436	429	1.6%	9	8	237	240	4			177
Georgia	375	351	6.7%	0	0	49	50	NM	2		299
Maryland	49	50	-1.6%	0	0	32	33	NM	4		14
North Carolina	203	213	-4.7%	0	0	88	109	5			99
South Carolina	182	204	-10.6%	40	40	NM	8	0			155
Virginia	354	309	14.4%	118	95	84	77	17	18		119
West Virginia	NM	NM	NM	0		NM	NM	0			(
East South Central	534	543	-1.6%	8	8	28	26	0			509
Alabama	277	290	-4.6%	0	0	20	19	0			272
Kentucky	45	45	-0.5%	8	8	0		0			37
Mississippi	125	121	3.6%	0	0	NM	NM	0			120
Tennessee	87	86	0.6%	0	0	70	6	0			80
West South Central	546 141	525	4.0%			70	74	4	4 NM		446
Arkansas		130	8.7%	0	0	11	11	NM			
Louisiana	234	227	2.8%	0	0	6		0			221
Oklahoma	28 144	28 140	-0.9% 2.6%	0	0	53	58	0 NM			28
Texas Mountain	91	140 85	6.4%	3	3	53	58	NM 0	4		30
Arizona	21	20	2.3%	NM	3	19	18	0			30
Colorado	8	8	-0.3%	0	0	8		0			(
Idaho	53	48	-0.3% 10.0%	NM	NM	17	17	0			30
Montana	0	0	10.0 %	0	0	0		0			(
Nevada	NM	2	 NM	0		NM					
New Mexico	NM	NM	NM	0	0	NM		0			
Utah	6	6	4.4%	0		6					
Wyoming	0	0	4.4%	0		0		0			
Pacific Contiguous	843	829	1.6%	70		485		87	94		
	607	593	2.3%	21	17	443		84		58	64
California	91		-0.1%	5	5	34		NM			50
Oregon Washington		91	-0.1% -0.2%						NM NM		
Washington	145 38	145 37		44	42	8		NM 20	NM 22		94
Pacific Noncontiguous			1.8%	5	3						
Alaska	5	5	-0.5%	0		0		4			NM 11
Hawaii U.S. Total	32 5,569	32 5,453	2.2% 2.1%	5 403	383	2,395		16 226			2,512

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.

Displayed values of Zero may represent small values that round to Zero. The Excel version of this table provides additional precision which in MM = Not meaningful due to large relative standard error or excessive percentage change.

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

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.18.B. Net Generation from Biomass

by State, by Sector, Year-to-Date through January 2015 and 2014 (Thousand Megawatthours)

Census Division					Electric Po	wer Sector Indepe					
and State		All Sectors		Electric	Utilities	Power Pr		Commerc	ial Sector	Industria	I Sector
	January	January	Percentage	January	January	January	January	January	January	January	January
Now England	2015 YTD 705	2014 YTD 692	Change 1.9%	2015 YTD 57	2014 YTD	2015 YTD 481	2014 YTD 440	2015 YTD 14	2014 YTD	2015 YTD 152	2014 YTD
New England Connecticut	69	68	2.2%	0	65 0	66	65	NM	15	0	172
Maine	331	329	0.4%	0	0	170	149	8	9	152	172
Massachusetts	102	95	7.7%	0	0	102	94	NM	NM	0	172
New Hampshire	142	138	3.2%	32	34	107	100	NM	3	0	0
Rhode Island	20	16	27.7%	0	0	20	16	0	0	0	0
Vermont	41	47	-12.8%	25	31	16	16	NM	NM	0	0
Middle Atlantic	498	467	6.6%	0	0	382	348	41	42	75	77
New Jersey	85	80	5.6%	0	0	71	67	14	13	0	0
New York	198	191	3.5%	0	0	158	149	18	20	22	23
Pennsylvania	216	196	10.0%	0	0	154	133	9	9	53	54
East North Central	531	538	-1.4%	49	57	312	318	16	16	154	147
Illinois	56	53	5.8%	0	0	56	53	0	0	0	0
Indiana	32	31	3.1%	27	26	0	0	NM	NM	NM	4
Michigan	233	245	-5.3%	0	0	151	161	13	13	69	71
Ohio	68	66	3.0%	NM 04	NM	38	37	0	0	29	29
Wisconsin West North Central	141 180	141 175	-0.4% 3.0%	21 43	30 40	67 79	66 78	NM 10	NM 9	52 47	43 48
						79	78	NM	2	3	48
lowa Kansas	15 5	14 5	10.4% 5.0%	NM 0	2	5	5	NIM 0	0	0	0
Minnesota	142	141	0.6%	33	31	65	64	NM	2	41	43
Missouri	10	8	27.9%	4	3	NM	NM	4	2	NM	NM
Nebraska	6	6	2.3%	4	4	0	0	NM	NM	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	0	0		0	0	0	0	0	0	0	0
South Atlantic	1,604	1,561	2.8%	167	143	504	523	33	32	901	863
Delaware	5	5	4.5%	0	0	5	5	0	0	0	0
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	436	429	1.6%	9	8	237	240	4	3	185	177
Georgia	375	351	6.7%	0	0	49	50	NM	2	324	299
Maryland	49	50	-1.6%	0	0	32	33	NM	4	14	14
North Carolina	203	213	-4.7%	0	0	88	109	5	5	110	99
South Carolina	182	204	-10.6%	40	40	NM	8	0	0	135	155
Virginia	354	309	14.4%	118	95	84	77	17	18	134	119
West Virginia East South Central	NM 534	NM 543	NM -1.6%	0	0	NM 28	NM 26	0	0	0 498	509
Alabama	277	290	-4.6%	0	0	20	19	0	0	257	272
Kentucky	45	45	-0.5%	8	8	0	19	0	0	37	37
Mississippi	125	121	3.6%	0	0	NM	NM	0	0	124	120
Tennessee	87	86	0.6%	0	0	7	6	0	0	80	80
West South Central	546	525	4.0%	0	0	70	74	4	4	472	446
Arkansas	141	130	8.7%	0	0	11	11	NM	NM	129	118
Louisiana	234	227	2.8%	0	0	6	6	0	0	227	221
Oklahoma	28	28	-0.9%	0	0	0	0	0	0	28	28
Texas	144	140	2.6%	0	0	53	58	NM	4	87	79
Mountain	91	85	6.4%	3	3	53	52	0	0	35	30
Arizona	21	20	2.3%	NM	2	19	18	0	0	0	0
Colorado	8	8	-0.3%	0	0	8	7	0	0	0	0
Idaho	53	48	10.0%	NM	NM	17	17	0	0	35	30
Montana	U NIM	0	 NIA	0	0	0	0		0	0	0
Nevada New Mexico	NM NM	2 NM	NM NM	0	0	NM NM	2 NM	0	0		0
Utah	NIVI 6	6	4.4%	0	0	NIVI 6		0	0	0	0
Wyoming	0	0	4.4%	0	0	0		0	0		0
Pacific Contiguous	843	829	1.6%	70	64	485	463	87	94	200	208
California	607	593	2.3%	21	17	443	421	84	91	58	64
Oregon	91	91	-0.1%	5	5	34	34	NM	NM	50	50
Washington	145	145	-0.2%	44	42	8		NM	NM	91	94
Pacific Noncontiguous	38	37	1.8%	5	3	0	0	20	22	12	12
Alaska	5	5	-0.5%	0	0	0	0	4	4	NM	NM
Hawaii	32	32	2.2%	5	3	0		16	17	11	11
U.S. Total	5,569	5,453	2.1%	403	383	2,395	2,323	226	234	2,545	2,512

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.

Displayed values on Zero Hing represent shall values trait found to Zero. The Excer version of this table provides additional precision which MM = Not meaningful due to large relative standard error or excessive percentage change.

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

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

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

Table 1.19.A. Net Generation from Geothermal

by State, by Sector, January 2015 and 2014 (Thousand Megawatthours)

Census Division and State		All Sectors		Flectric	Electric Po Utilities	Indep	endent roducers	Commerci	al Sector	Industria	al Sector
and State	January	January	Percentage	January	January	January	January	January	January	January	January
New England	2015	2014	Change 	2015		2015 0	2014	2015	2014 0	2015 0	2014
Connecticut	0	0		0		0	0	0	0		0
Maine	0	0		0		0	0	0	0		
Massachusetts	0	0		0		0	0	0	0		
New Hampshire	0	0		0		0	0	0	0		
Rhode Island	0	0		0		0	0	0	0		
Vermont	0	0		0		0	0	0	0		
Middle Atlantic	0	0		0		0	0	0	0		0
New Jersey	0	0		0		0	0	0	0		
New York	0	0		0		0	0	0	0		
Pennsylvania	0	0		0		0	0	0	0		0
East North Central	0	0		0		0	0	0	0		
Illinois	0	0		0		0	0	0	0		
Indiana	0	0		0		0	0	0	0		
Michigan	0	0		0		0	0	0	0		
Ohio	0	0		0		0	0	0	0		
Wisconsin	0	0		0		0	0	0	0		
West North Central	0	0		0		0	0	0	0		
Iowa	0	0		0		0	0	0	0		
Kansas	0	0		0		0	0	0	0		
Minnesota	0	0		0		0	0	0	0		
Missouri	0	0		0		0	0	0	0		0
Nebraska	0	0		0		0	0	0	0		0
North Dakota	0	0		0		0	0	0	0		
South Dakota	0	0		0		0	0	0	0		
South Atlantic	0	0		0		0	0	0	0		
Delaware	0	0		0		0	0	0	0		
District of Columbia	0	0		0		0	0	0	0		
Florida	0	0		0		0	0	0	0		
Georgia	0	0		0		0	0	0	0		
Maryland	0	0		0		0	0	0	0		
North Carolina	0	0		0		0	0	0	0		
South Carolina	0	0		0		0	0	0	0		0
Virginia	0	0		0		0	0	0	0		_
West Virginia	0	0		0		0	0	0	0		
East South Central	0	0		0		0	0	0	0		
Alabama	0	0		0		0	0	0	0		
Kentucky	0	0		0		0	0	0	0		
Mississippi	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		,
Louisiana	0	0		0		0	0	0	0		
Oklahoma	0	0		0		0	0	0	0		
Texas	0	0		0		0	0	0	0		
Mountain	328	326	0.6%	24		304	300	0	0		
Arizona	0	0	0.076	0		0	0	0	0		0
Colorado	0	0		0		0	0	0	0		
Idaho	NM	4	NM	0		NM	4	0	0		
Montana	O INIVI	0	INIVI	0		0	0	0	0		
Nevada	274	271	1.0%	0				0	0		
New Mexico	NM	NM	NM	0		NM	NM	0	0		
	48	49	-2.1%	24		24		0	0		
Utah Wyoming	48 0	49 0	-2.1%	0		0	0	0			
Wyoming Pacific Contiguous	1,101	1,068	3.1%	71		1,030	996	0	0		
Pacific Contiguous					72			0			
California	1,082	1,048	3.3%	71		1,011	975		0		
Oregon	19	20	-5.2%	0		19		0	0		
Washington	0	0		0		0	0	0	0		
Pacific Noncontiguous	19	26	-25.7%	0		19		0	0		
Alaska	0	0		0					0		
Hawaii	19	26	-25.7%	0		19		0	0		
U.S. Total	1,448	1,419	2.0%	95	98	1,353	1,321	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.

Displayed values of Zero Hay represent shall values that round to Zero. The Excel version of this table provides additional precision which is MM = Not meaningful due to large relative standard error or excessive percentage change.

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

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.19.B. Net Generation from Geothermal

by State, by Sector, Year-to-Date through January 2015 and 2014 (Thousand Megawatthours)

.,	state, by Sector, Tear-to-Date tillough January 2013 and				Electric Power Sector						
Census Division and State		All Sectors		Electric I		Indepe Power Pr		Commerci	ial Sector	Industria	Sector
	January 2015 YTD	January 2014 YTD	Percentage Change	January 2015 YTD	January 2014 YTD	January 2015 YTD	January 2014 YTD	January 2015 YTD	January 2014 YTD	January 2015 YTD	January 2014 YTD
New England	2013 1110	0	Change	0	0	2013 1110	2014 1110	2013 1110	0	2013 1110	2014 110
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
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
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				-
Texas	0	0		0	0	0	0	0	0	0	0
Mountain	328 0	326	0.6%	24	26 0	304	300	0	0	0	0
Arizona Colorado	_	0		0	0	0	0	0	0	0	0
	0	4	 NIM		0	-	4	0	0		
Idaho Montana	NM 0	0	NM	0	0	NM 0	0	0	0	0	0
	274	271	1.0%		0	274	_	0	0		0
Nevada New Mexico	NM		1.0% NM	0	0	NM	271 NM	0	_	0	0
Utah	48	NM 49	-2.1%	0 24	26	24	23	0	0	0	0
Wyoming	48	0		0	0	0	0		0	0	0
Pacific Contiguous	1,101	1,068	3.1%	71	72	1,030	996	0	0	0	0
California	1,101	1,068	3.1%	71	72	1,030	996	0	0	0	0
Oregon	1,062	1,046	-5.2%	0	0	1,011	20	0	0	0	0
Washington	0	0		0	0	0	0	0	0	0	0
Pacific Noncontiguous	19	26	-25.7%	0	0	19		0	0	0	0
Alaska	0	0		0	0	0	0	0	0	0	0
Hawaii	19	26	-25.7%	0	0	19	26	0	0	0	0
U.S. Total	1,448	1,419	2.0%	95	98	1,353	1,321	0	0	0	0
U.U. 10tal	1,448	1,419	2.0%	95	98	1,333	1,321	U	U	U	U

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 1.20.A. Net Generation from Solar

by State, by Sector, January 2015 and 2014 (Thousand Megawatthours)

Census Division and State		All Sectors		Flectric	Electric Po Utilities	Indep	endent roducers	Commerci	ial Sector	Industria	al Sector
	January	January	Percentage	January	January	January	January	January	January	January	January
New England	2015 32	2014 18	Change 84.4%	2015 NM	2014 NM	2015 31	2014 17	2015 NM	2014 NM	2015 0	2014
Connecticut	NM	NM	NM	0		NM	NM	0	0	0	
Maine	0	0		0		0	0	0	0	0	
Massachusetts	28	15	89.2%	NM		27	14	NM	NM	0	
New Hampshire	0	0		0		0	0	0	0	0	
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	49	36	38.2%	NM	NM	35	27	9	NM	NM	NM
New Jersey	40	29	37.6%	NM	NM	27	21	NM	NM	NM	NM
New York	5	3	47.4%	0		5	3	NM	0	0	
Pennsylvania	NM	NM	NM	0		NM	NM	NM	0	NM	NM
East North Central	17	11	50.9%	NM	NM	16	11	NM	NM	0	
Illinois	NM	NM	NM	NM		NM	NM	0	0	0	
Indiana	10	NM	NM	NM		10	NM	0	0	0	
Michigan	0	0		0		0	0	0	0	0	
Ohio Winganain	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	
Wisconsin West North Control	0 NM	0 NM	NIN A	0		0 NM	0 NM	0	0	0	
West North Central Iowa	NM 0	NM 0	NM 	0		NM 0	NIM 0	0	0	0	
Kansas	0	0		0		0	0	0	0	0	
Minnesota	NM	NM	 NM	0		NM	NM	0	0	0	
Missouri	NM	0	14101	0		NM	0	0	0	0	
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	108	66	64.3%	11	10	91	50	NM	NM	0	
Delaware	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	12	11	13.5%	9	9	NM	NM	NM	NM	0	0
Georgia	8	8	0.4%	NM	0	7	8	NM	NM	0	0
Maryland	NM	NM	NM	NM		NM	NM	NM	NM	0	
North Carolina	80	39	105.8%	NM		74	33	NM	NM	0	
South Carolina	NM	NM	NM	0		NM	NM	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	NM	NM	NM	0		NM	NM	NM	NM	0	
Alabama	0	0		0		0	0	0	0	0	
Kentucky Mississippi	0	0		0		0	0	0	0	0	
Tennessee	NM	NM	NM	0		NM	NM	NM	NM	0	
West South Central	20	15	36.9%	0		20	15	NM	NM	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	20	15	36.9%	0		20	15	NM	NM	0	0
Mountain	281	279	0.8%	30	26	247	249	NM	NM	NM	NM
Arizona	155	186	-16.2%	26	21	129	164	NM	NM	0	0
Colorado	13	16	-15.6%	0	0	12	15	NM	NM	0	0
Idaho	0	0		0		0	0	0	0	0	
Montana	0	0		0		0	0	0	0	0	
Nevada	82	52	58.1%	0				NM	NM	NM	
New Mexico	31	26	18.3%	NM		26	21	0	0	0	
Utah	NM	NM	NM	0			NM	0	0	0	
Wyoming	0	0		0		0	0	0	0	0	
Pacific Contiguous	656	390	68.3%	23		628	359	NM	NM	NM	
California	655	388	68.7%	23		627 NM	358 NM	NM	NM	NM	
Oregon Washington	NM 0	NM 0	NM 6 5%	NM 0		NM	NM 0	0	0	0	
Washington Pacific Noncontiquous	0 NM	0 NM	-6.5% NM	0 NM		0 NM	0 NM	0	0	0	
Alaska	0	0	INIVI	0			0	0	0	0	
Hawaii	NM	NM	NM	NM		NM	NM	0	0	0	
U.S. Total	1,173	816	43.7%	72				23	21	NM	

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

Displayed values of Zero Hay represent shall values that round to Zero. The Excel version of this table provides additional precision which is MM = Not meaningful due to large relative standard error or excessive percentage change.

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

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.20.B. Net Generation from Solar

by State, by Sector, Year-to-Date through January 2015 and 2014 (Thousand Megawatthours)

and State All Sectors Electric Utilities Power Producers Commercial Sector Industrial Sector January						Electric Po	wer Sector					
January Janu	Census Division and State		All Sectors		Electric	Utilities			Commerc	ial Sector	Industria	I Sector
New England			January		January	January	January	January	January	January	January	January 2014 YTD
Connecticat	New England											2014 110
Marie 0	•											0
Messechiperist 28				14141								0
Now Hampsprier		-		89.2%								0
Recode blainer				09.270								0
Vermotet	•			NM								0
Medical Address 40 36 38.2% NN											_	0
New Jenney						-						NM
New York												NM
Pennsylvania	·											
East Non/Central 17												NM
Impos	·											0
Indiama											-	0
Michigan												0
Onion												0
Wisconsin 0				NM								0
Views North Central NM												0
Loward Columbia		-		NM								0
Kansas												0
Minnesota		-										0
Missouri		NM		NM								0
Nebraska												0
North Deketel 0												0
South Dakota 0		0										0
South Atlantic 108 66 64.3% 11 10 91 50 NM NM 0 0		0									0	0
Delaware		108		64.3%								0
District of Columbia 0											0	0
Florida												0
Decretgia 8				13.5%			NM					0
Maryland		8		0.4%	NM	0	7	8	NM	NM	0	0
South Carolina		NM	NM		NM	NM	NM	NM		NM	0	0
Virginia 0 0 - 0<	North Carolina	80	39	105.8%	NM	NM	74	33	NM	NM	0	0
West Virginia 0 0 - 0 <	South Carolina	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	Virginia	0	0		0	0	0	0	0	0	0	0
Alabama	West Virginia	0	0		0	0	0	0	0	0	0	0
Kentucky 0 0 0	East South Central	NM	NM	NM	0	0	NM	NM	NM	NM	0	0
Mississippi 0 0 0 0 0 0 0 0 0	Alabama	0	0		0	0	0	0	0	0	0	0
Tennessee	Kentucky	0	0		0	0	0	0	0	0	0	0
West South Central 20 15 36.9% 0 0 20 15 NM NM 0 Arkansas 0 0 - 0	Mississippi	0	0	-	0	0	0	0	0	0	0	0
Arkansas 0 0 0	Tennessee	NM	NM	NM	0	0	NM	NM	NM	NM	0	0
Louisiana 0 0 0	West South Central	20	15	36.9%	0	0	20	15	NM	NM	0	0
Oklahoma 0 0 0 0 0 0 0 0 Texas 20 15 36.9% 0 0 20 15 NM NM 0 Mountain 281 279 0.8% 30 26 247 249 NM NM NM NM Arizona 155 186 -16.2% 26 21 129 164 NM NM NM 0 Colorado 13 16 -15.6% 0 0 12 15 NM NM 0 0 1 0 <	Arkansas	0	0	-	0	0	0	0	0	0	0	0
Texas 20 15 36.9% 0 0 20 15 NM NM 0 Mountain 281 279 0.8% 30 26 247 249 NM	Louisiana	0								0	0	0
Mountain 281 279 0.8% 30 26 247 249 NM NM NM Arizona 155 186 -16.2% 26 21 129 164 NM NM 0 Colorado 13 16 -15.6% 0 0 12 15 NM NM NM 0 Idaho 0 0 0	Oklahoma										_	0
Arizona 155 186 -16.2% 26 21 129 164 NM NM 0 Colorado 13 16 -15.6% 0 0 12 15 NM NM NM 0 0 12 15 NM NM NM 0												0
Colorado 13 16 -15.6% 0 0 12 15 NM NM 0 Idaho 0												NM
Idaho 0 0 0 <td></td> <td>_</td> <td>0</td>											_	0
Montana 0 0 0<				-15.6%								0
Nevada 82 52 58.1% 0 0 80 50 NM NM NM New Mexico 31 26 18.3% NM NM 26 21 0												0
New Mexico 31 26 18.3% NM NM 26 21 0 0 0 Utah NM NM NM NM 0 0 NM NM 0		-									-	0
Utah NM NM NM 0 0 NM NM 0 0 Wyoming 0 0 0												NM
Wyoming 0 0 0<												0
Pacific Contiguous 656 390 68.3% 23 25 628 359 NM NM NM California 655 388 68.7% 23 25 627 358 NM 0 <td< td=""><td></td><td></td><td></td><td>NM</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td></td<>				NM								0
California 655 388 68.7% 23 25 627 358 NM NM NM Oregon NM NM NM NM NM NM NM NM 0												0
Oregon NM NM NM NM NM NM NM 0 <	ŭ											NM
Washington 0 0 -6.5% 0 0 0 0 0 0 0 Pacific Noncontiguous NM NM NM NM 0 NM NM 0												NM
Pacific Noncontiguous NM NM NM 0 NM NM 0 0 Alaska 0 0 0 0 0 0 0 0 0 0												0
Alaska 0 0 0 0 0 0 0 0 0 0 0												0
				NM								0
Hawaii NM NM NM NM 0 0 0 0		Ü										0
U.S. Total 1,173 816 43.7% 72 63 1,076 731 23 21 NM												0 NM

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

Displayed values on Zero Hing represent shall values trait found to Zero. The Excer version of this table provides additional precision which MM = Not meaningful due to large relative standard error or excessive percentage change.

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

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

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

Table 2.1.A. Coal: Consumption for Electricity Generation,

		Electric Powe			
D	T-4-14-11	Electric Heller	Independent	Commercial	Industria
Period	Total (all sectors)	Electric Utilities	Power Producers	Sector	Secto
Annual Totals	4 044 440	704 040	070.040	077	7.50
2005	1,041,448	761,349	272,218	377	7,504
2006	1,030,556	753,390	269,412	347	7,408
2007	1,046,795	764,765	276,581	361	5,089
2008	1,042,335	760,326	276,565	369	5,075
2009	934,683	695,615	234,077	317	4,674
2010	979,684	721,431	249,814	314	8,125
2011	934,938	689,316	239,541	347	5,735
2012	825,734	615,467	205,295	307	4,665
2013	860,729	638,327	217,219	513	4,670
2014	854,416	636,173	212,998	269	4,976
2013					
January	75,049	55,688	18,919	55	386
February	67,129	49,022	17,700	50	358
March	70,469	52,038	17,979	49	404
April	60,807	45,540	14,852	40	374
May	64,688	48,328	15,922	40	399
June	75,054	56,015	18,605	38	395
July	83,213	61,387	21,360	38	429
August	81,970	61,396	20,127	38	408
Sept	72,723	53,126	19,179	38	380
October	66,348	49,423	16,521	37	367
November	65,959	49,621	15,930	42	366
December	77,319	56,743	20,125	47	404
2014					
January	83,600	62,364	20,755	31	449
February	76,252	56,134	19,675	30	413
March	72,234	52,897	18,876	27	435
April	58,151	42,217	15,546	20	369
May	64,018	47,901	15,694	18	405
June	74,488	56,639	17,393	21	435
July	81,580	61,315	19,793	21	450
August	81,164	61,258	19,444	20	442
Sept	69,242	51,465	17,335	19	422
October	61,323	45,819	15,103	16	385
November	64,633	47,394	16,841	21	376
December	67,730	50,769	16,543	24	394
2015					
January	71,518	52,825	18,288	26	379
Year to Date					
2013	75,049	55,688	18,919	55	386
2014	83,600	62,364	20,755	31	449
2015	71,518	52,825	18,288	26	379
Rolling 12 Months Ending					
2014	869,280	645,003	219,055	489	4,733
2015	842,335	626,634	210,531	265	4,905

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 2013 and prior years are final. Values for 2014 and 2015 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.

Table 2.1.B. Coal: Consumption for Useful Thermal Output,

		Electric Powe			
Period	Total (all costors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals	Total (all sectors)	Electric Utilities	Power Producers	Sector	Sector
2005	23,833	0	3,918	1,544	18,371
2005	23,227	0	3,834	1,539	17,854
2007	22,810	0	3,795	1,566	17,449
2007	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
2010	21,727	0	3,628	1,321	16,513
2012	19,333	0	2,790	1,143	15,400
2012	18,350	0	2,416	843	15,400
2013	18,218	0	2,416	1,054	14,907
	10,210	U	2,231	1,034	14,907
2013	1 600	0	225	94	4 204
January February	1,699 1,527	0	198	88	1,381 1,242
	1,631	0	203	83	1,345
March April	1,442	0	192	59	1,191
May	1,479	0	192	66	1,219
	·				
June July	1,428 1,527	0	197 219	63 63	1,168 1,245
	1,496	0	215	63	1,245
August	1,404	0	196	58	
Sept	1,404	0	164	53	1,150 1,253
October November	1,599	0	212	70	1,318
December	1,647	0	203	83	1,310
	1,047	U	203	၀၁	1,302
2014 January	1,721	0	193	115	1,413
February	1,600	0	195	115	1,413
March	1,760	0	243	113	1,403
April	1,498	0	207	90	1,403
May	1,492	0	195	74	1,202
June	1,394	0	191	67	1,136
July	1,490	0	200	77	1,213
August	1,474	0	183	70	1,213
Sept	1,413	0	168	71	1,174
October	1,416	0	153	71	1,181
November	1,480	0	178	93	1,209
December	1,491	0	152	97	1,242
2015	1,431	o _l	132	31	1,242
January	1,583	0	176	102	1,306
Year to Date	1,303	٥Į	170	102	1,300
2013	1,699	0	225	94	1,381
2013	1,721	0	193	115	1,413
2014	1,583	0	176	102	1,413
		υĮ	170	102	1,300
Rolling 12 Months Ending i	18,371	0	2,384	865	15,123
2014	18,080	0	2,364	1,040	14,800
2015	10,000	U	2,240	1,040	14,800

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 2013 and prior years are final. Values for 2014 and 2015 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.

Table 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output,

		Electric Powe				
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector	
Annual Totals	Total (all sectors)	Liceti ic Otilities	1 Ower 1 Todacers	Occion	Occioi	
2005	1,065,281	761,349	276,135	1,922	25,875	
2006	1,053,783	753,390	273,246	1,886	25,262	
2007	1,069,606	764,765	280,377	1,927	22,537	
2008	1,064,503	760,326	280,254	2,021	21,902	
2009	955,190	695,615	238,012	1,798	19,766	
2010	1,001,411	721,431	253,621	1,720	24,638	
2011	956,470	689,316	243,168	1,668	22,319	
2012	845,066	615,467	208,085	1,450	20,065	
2013	879,078	638,327	219,635	1,356	19,761	
2014	872,634	636,173	215,255	1,323	19,883	
2013		•	•			
January	76,748	55,688	19,144	149	1,767	
February	68,656	49,022	17,897	137	1,600	
March	72,100	52,038	18,182	132	1,748	
April	62,249	45,540	15,044	100	1,565	
May	66,168	48,328	16,116	105	1,618	
June	76,482	56,015	18,802	102	1,563	
July	84,740	61,387	21,580	100	1,674	
August	83,466	61,396	20,342	102	1,626	
Sept	74,127	53,126	19,375	96	1,530	
October	67,818	49,423	16,685	91	1,620	
November	67,559	49,621	16,142	112	1,683	
December	78,966	56,743	20,327	130	1,765	
2014	•					
January	85,321	62,364	20,948	146	1,862	
February	77,852	56,134	19,870	145	1,703	
March	73,994	52,897	19,119	140	1,838	
April	59,650	42,217	15,752	109	1,571	
May	65,510	47,901	15,889	92	1,627	
June	75,882	56,639	17,584	88	1,571	
July	83,070	61,315	19,992	98	1,664	
August	82,638	61,258	19,627	90	1,663	
Sept	70,655	51,465	17,503	91	1,596	
October	62,729	45,819	15,256	88	1,566	
November	66,112	47,394	17,019	114	1,585	
December	69,221	50,769	16,695	121	1,636	
2015						
January	73,101	52,825	18,463	128	1,684	
Year to Date						
2013	76,748	55,688	19,144	149	1,767	
2014	85,321	62,364	20,948	146	1,862	
2015	73,101	52,825	18,463	128	1,684	
Rolling 12 Months Ending						
2014	887,651	645,003	221,439	1,353	19,856	
2015	860,415	626,634	212,771	1,305	19,705	

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 2013 and prior years are final. Values for 2014 and 2015 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.

Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation,

		Electric Powe			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals	Total (all Sectors)	Electric Othlities	rower Froducers	Sector	Sector
2005	165,137	98,223	62,154	580	4,180
2006	73,821	53,529	17,179	327	2,786
2007	82,433	56,910	22,793	250	2,480
2008	53,846	38,995	13,152	160	1,538
2009	43,562	31,847	9,880	184	1,652
2010	40,103	30,806	8,278	164	855
2011	27,326	20,844	5,633	133	716
2012	22,604	17,521	4,110	272	702
2013	23,231	16,827	5,494	328	582
2014	32,084	20,197	10,682	565	640
2013		· · · · · · · · · · · · · · · · · · ·	, L	L	
January	2,962	1,809	1,036	47	69
February	1,890	1,279	526	35	51
March	1,639	1,334	232	24	50
April	1,685	1,335	282	24	43
May	1,789	1,419	294	20	55
June	1,699	1,321	319	18	41
July	2,546	1,732	740	31	43
August	1,776	1,402	306	26	41
Sept	1,591	1,170	361	19	40
October	1,581	1,247	270	21	44
November	1,657	1,305	282	24	46
December	2,416	1,473	848	38	57
2014		<u> </u>			
January	10,637	4,743	5,543	235	117
February	3,131	1,896	1,090	75	70
March	3,602	1,931	1,519	77	74
April	1,498	1,245	205	19	NM
May	1,629	1,318	251	20	40
June	1,522	1,203	255	19	44
July	1,710	1,344	306	20	40
August	1,812	1,380	360	20	52
Sept	1,678	1,358	259	18	43
October	1,523	1,224	246	18	36
November	1,673	1,274	323	21	55
December	1,669	1,280	324	23	41
2015					
January	3,395	2,128	1,119	72	76
Year to Date					
2013	2,962	1,809	1,036	47	69
2014	10,637	4,743	5,543	235	117
2015	3,395	2,128	1,119	72	76
Rolling 12 Months Ending	•				
2014	30,907	19,761	10,001	515	629
2015	24,842	17,582	6,258	402	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 2013 and prior years are final. Values for 2014 and 2015 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.

Table 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output,

		Electric Powe			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals	Total (all sectors)	Licetife Offices	1 Ower 1 roducers	Occion	Occion
2005	20,494	0	1,392	1,004	18,097
2006	14,077	0	1,153	559	12,365
2007	13,462	0	1,303	441	11,718
2008	7,533	0	1,311	461	5,762
2009	8,128	0	1,301	293	6,534
2010	4,866	0	1,086	212	3,567
2011	3,826	0	1,004	168	2,654
2012	3,097	0	992	122	1,984
2013	3,456	0	1,050	498	1,908
2014	4,289	0	1,197	869	2,223
2013		<u> </u>			
January	473	0	63	214	196
February	311	0	79	55	178
March	235	0	89	3	143
April	245	0	89	3	153
May	248	0	92	7	149
June	230	0	86	6	139
July	220	0	90	13	117
August	209	0	90	5	114
Sept	203	0	94	3	106
October	229	0	99	10	120
November	234	0	88	12	134
December	619	0	92	167	360
2014		_		1	
January	1,113	0	193	381	539
February	486	0	98	123	266
March	491	0	109	132	251
April	225	0	88	21	NM
May	248	0	92	28	128
June	268	0	90	28	150
July	253 266	0	98 96	28 31	127
August		0		22	138
Sept October	203 217	0	65 98	18	116 101
	283	0	95	26	
November December	235	0	75	30	162 130
2015	233	U	73	30	130
January	570	ol	107	121	341
Year to Date	370	٥	107	121	341
2013	473	0	63	214	196
2013	1,113	0	193	381	539
2015	570	0	107	121	341
Rolling 12 Months Ending		٧	107	121	541
2014	4,096	0	1,179	665	2,252
2015	3,746	0	1,111	609	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 2013 and prior years are final. Values for 2014 and 2015 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.

Table 2.2.C. Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output,

		Electric Powe			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals	((
2005	185,631	98,223	63,546	1,584	22,278
2006	87,898	53,529	18,332	886	15,150
2007	95,895	56,910	24,097	691	14,198
2008	61,379	38,995	14,463	621	7,300
2009	51,690	31,847	11,181	477	8,185
2010	44,968	30,806	9,364	376	4,422
2011	31,152	20,844	6,637	301	3,370
2012	25,702	17,521	5,102	394	2,685
2013	26,687	16,827	6,544	826	2,490
2014	36,373	20,197	11,879	1,433	2,863
2013	· .	· L		· · ·	·
January	3,435	1,809	1,099	261	265
February	2,202	1,279	604	90	229
March	1,874	1,334	321	27	193
April	1,930	1,335	371	27	196
May	2,037	1,419	386	27	204
June	1,929	1,321	405	24	179
July	2,766	1,732	829	44	160
August	1,985	1,402	396	32	155
Sept	1,794	1,170	455	22	146
October	1,810	1,247	369	31	164
November	1,891	1,305	369	36	181
December	3,035	1,473	940	205	417
2014	•			•	
January	11,750	4,743	5,736	616	655
February	3,618	1,896	1,188	197	337
March	4,093	1,931	1,628	209	325
April	1,722	1,245	293	41	NM
May	1,876	1,318	342	48	168
June	1,790	1,203	345	48	194
July	1,964	1,344	405	48	167
August	2,078	1,380	456	51	191
Sept	1,881	1,358	324	40	159
October	1,740	1,224	343	36	136
November	1,957	1,274	419	47	217
December	1,904	1,280	399	53	172
2015					
January	3,965	2,128	1,226	193	417
Year to Date					
2013	3,435	1,809	1,099	261	265
2014	11,750	4,743	5,736	616	655
2015	3,965	2,128	1,226	193	417
Rolling 12 Months Ending					
2014	35,003	19,761	11,181	1,180	2,881
2015	28,587	17,582	7,369	1,011	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 2013 and prior years are final. Values for 2014 and 2015 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.

Table 2.3.A. Petroleum Coke: Consumption for Electricity Generation, by Sector, 2005-January 2015 (Thousand Tons)

		Electric Powe			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals	rotar (un scotoro)	Licoti io otinico	1 Ower 1 reducers	Cotton	000101
2005	8,330	4,130	3,746	1	452
2006	7,363	3,619	3,286	1	456
2007	6,036	2,808	2,715	2	512
2008	5,417	2,296	2,704	1	416
2009	4,821	2,761	1,724	1	335
2010	4,994	3,325	1,354	2	313
2011	5,012	3,449	1,277	1	286
2012	3,675	2,105	756	1	812
2013	4,852	3,409	779	1	662
2014	4,325	3,356	598	2	369
2013					
January	385	253	67	0	65
February	314	220	62	0	32
March	364	236	67	0	60
April	342	217	62	0	63
May	469	361	41	0	68
June	476	348	63	0	66
July	474	337	72	0	65
August	491	332	93	0	66
Sept	442	326	60	0	57
October	404	289	64	0	51
November	308	217	60	0	30
December	381	272	69	0	39
2014					
January	443	349	55	0	39
February	367	276	57	0	35
March	431	332	57	0	42
April	298	212	55	0	30
May	383 407	301 326	49 46	0	33 35
June	366	285	53	0	29
July	364	286	50	0	28
August Sept	352	268	61	0	23
October	222	177	23	0	21
November	278	221	33	0	24
December	414	322	60	0	31
2015	414	322	00	o _l	31
January	386	300	57	0	30
Year to Date	300	300	37	٥	30
2013	385	253	67	0	65
2013	443	349	55	0	39
2015	386	300	57	0	30
Rolling 12 Months Ending		300	5/1	٥	30
2014	4,910	3,505	767	1	636
2015	4,269	3,306	600	2	360

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 2013 and prior years are final. Values for 2014 and 2015 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.

Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output,

		Electric Power				
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector	
Annual Totals				53333		
2005	783	0	206	8	568	
2006	1,259	0	195	9	1,055	
2007	1,262	0	162	11	1,090	
2008	897	0	119	9	769	
2009	1,007	0	126	8	873	
2010	1,059	0	98	11	950	
2011	1,080	0	112	6	962	
2012	1,346	0	113	11	1,222	
2013	1,486	0	96	11	1,379	
2014	1,495	0	90	16	1,389	
2013				<u> </u>		
January	137	0	9	2	127	
February	103	0	7	1	94	
March	129	0	9	1	119	
April	114	0	9	0	105	
May	130	0	8	0	123	
June	130	0	5	0	125	
July	140	0	9	0	132	
August	162	0	8	1	152	
Sept	115	0	7	1	107	
October	118	0	9	1	108	
November	92	0	8	1	83	
December	115	0	9	1	105	
2014						
January	118	0	9	2	108	
February	103	0	7	1	95	
March	113	0	8	2	103	
April	104	0	9	2	93	
May	72	0	8	1	63	
June	80	0	0	0	79	
July	166	0	5	0	161	
August	177	0	9	2	167	
Sept	158	0	9	2	147	
October	121	0	9	1	110	
November	139	0	9	2	128	
December	145	0	9	2	134	
2015						
January	129	0	10	2	117	
Year to Date						
2013	137	0	9	2	127	
2014	118	0	9	2	108	
2015	129	0	10	2	117	
Rolling 12 Months Ending	in January		•			
2014	1,467	0	96	11	1,360	
2015	1,507	0	91	17	1,399	

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 2013 and prior years are final. Values for 2014 and 2015 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.

Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output,

		Electric Powe			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals			•	•	
2005	9,113	4,130	3,953	9	1,020
2006	8,622	3,619	3,482	10	1,511
2007	7,299	2,808	2,877	12	1,602
2008	6,314	2,296	2,823	10	1,184
2009	5,828	2,761	1,850	9	1,209
2010	6,053	3,325	1,452	12	1,264
2011	6,092	3,449	1,388	6	1,248
2012	5,021	2,105	869	13	2,034
2013	6,338	3,409	875	12	2,041
2014	5,820	3,356	688	18	1,758
2013			•		
January	522	253	76	2	191
February	416	220	69	2	126
March	493	236	76	2	180
April	456	217	71	0	168
May	600	361	48	0	191
June	606	348	68	0	191
July	614	337	80	0	197
August	653	332	101	2	218
Sept	558	326	67	1	164
October	522	289	73	1	158
November	400	217	68	1	114
December	496	272	78	2	144
2014	•	•		· ·	
January	561	349	64	2	146
February	471	276	63	2	130
March	544	332	65	2	144
April	401	212	64	2	124
May	455	301	57	1	97
June	487	326	46	0	115
July	532	285	57	0	190
August	541	286	59	2	194
Sept	510	268	70	2	170
October	342	177	32	2	131
November	417	221	42	2	152
December	559	322	69	2	165
2015	•	•		· ·	
January	516	300	67	3	147
Year to Date	1	<u>, </u>			
2013	522	253	76	2	191
2014	561	349	64	2	146
2015	516	300	67	3	147
Rolling 12 Months Ending	in January		- L		
2014	6,377	3,505	863	12	1,996
2015	5,775	3,306	691	19	1,759

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 2013 and prior years are final. Values for 2014 and 2015 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.

Table 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2005-January 2015 (Million Cubic Feet)

		Electric Powe			
			Independent	Commercial	Industrial
Period	Total (all sectors)	Electric Utilities	Power Producers	Sector	Sector
Annual Totals	1				
2005	6,036,370	2,134,859	3,349,921	33,785	517,805
2006	6,461,615	2,478,396	3,412,826	34,623	535,770
2007	7,089,342	2,736,418	3,765,194	34,087	553,643
2008	6,895,843	2,730,134	3,612,197	33,403	520,109
2009	7,121,069	2,911,279	3,655,712	34,279	519,799
2010	7,680,185	3,290,993	3,794,423	39,462	555,307
2011	7,883,865	3,446,087	3,819,107	47,170	571,501
2012	9,484,710	4,101,927	4,686,260	63,116	633,407
2013	8,596,299	3,970,447	3,917,131	66,570	642,152
2014	8,502,964	3,723,837	4,106,823	63,797	608,507
2013			<u> </u>		
January	666,650	310,174	296,071	5,247	55,159
February	599,100	278,139	266,731	4,807	49,424
March	637,349	293,545	285,259	5,365	53,180
April	595,667	268,467	272,544	5,095	49,562
May	646,296	295,973	294,795	5,160	50,369
June	771,868	363,204	349,597	5,582	53,485
July	949,141	432,493	451,078	7,169	58,401
August	937,197	442,939	430,139	6,449	57,671
Sept	784,619	365,005	361,481	6,005	52,128
October	669,764	312,216	300,858	4,993	51,697
November	633,885	284,526	291,241	4,881	53,237
December	704,762	323,768	317,338	5,817	57,840
2014	·	<u> </u>	· .	· .	·
January	693,701	309,154	323,905	5,723	54,919
February	576,829	248,391	274,859	5,194	48,385
March	589,375	256,913	274,764	5,253	52,446
April	578,188	255,080	270,394	4,837	47,877
May	675,243	314,387	307,894	4,812	48,150
June	752,363	335,439	362,926	5,099	48,899
July	875,603	379,006	438,296	5,690	52,612
August	929,599	410,371	460,830	5,902	52,497
Sept	803,586	341,201	406,533	5,543	50,309
October	730,714	308,587	369,739	5,340	47,048
November	630,894	274,273	300,545	5,079	50,997
December	666,868	291,034	316,139	5,327	54,369
2015	000,000	201,001	0.10,100	0,021	0.,000
January	744,386	327,173	357,433	5,408	54,372
Year to Date	7 77,300	021,110	007,100	3,700	57,572
2013	666,650	310,174	296,071	5,247	55,159
2013	693,701	309,154	323,905	5,723	54,919
2014	744,386	327,173	357,433	5,408	54,372
	· ·	321,113	331,433	5,406	04,372
Rolling 12 Months Ending 2014	8,623,350	3,969,427	3,944,965	67,046	641,912
2014					· · · · · · · · · · · · · · · · · · ·
2015	8,553,649	3,741,855	4,140,351	63,483	607,959

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-January 2015 (Million Cubic Feet)

		Electric Powe	er Sector		
Buda I	T-(-1 (-11()	Electric Heller	Independent	Commercial	Industrial
Period	Total (all sectors)	Electric Utilities	Power Producers	Sector	Sector
Annual Totals	004.040	٥	204.205	24.470	FCF 002
2005	984,340	0	384,365	34,172	565,803
2006	942,817	0	330,878	33,112	578,828
2007	872,579	0	339,796	35,987	496,796
2008	793,537	0	326,048	32,813	434,676
2009	816,787	0	305,542	41,275	469,970
2010	821,775	0	301,769	46,324	473,683
2011	839,681	0	308,669	39,856	491,155
2012	886,103	0	322,607	47,883	515,613
2013	882,385	0	303,177	51,057	528,151
2014	877,106	0	318,451	48,004	510,651
2013	1		ı	<u>, </u>	
January	74,638	0	25,440	4,277	44,920
February	67,391	0	23,519	3,883	39,989
March	73,151	0	25,107	4,051	43,993
April	70,245	0	23,817	3,571	42,857
May	70,784	0	24,040	3,703	43,041
June	70,610	0	24,349	4,045	42,216
July	78,649	0	27,553	4,968	46,128
August	78,207	0	27,452	4,811	45,943
Sept	72,884	0	24,996	4,358	43,529
October	72,095	0	23,964	4,137	43,993
November	73,889	0	25,253	4,336	44,300
December	79,843	0	27,687	4,915	47,241
2014					
January	83,146	0	29,951	4,988	48,208
February	70,254	0	25,737	4,099	40,417
March	75,879	0	27,211	3,919	44,750
April	69,916	0	24,871	3,722	41,322
May	67,839	0	25,369	3,659	38,810
June	69,467	0	25,670	3,583	40,213
July	71,858	0	26,661	3,663	41,534
August	74,509	0	27,513	4,010	42,986
Sept	70,872	0	25,097	3,789	41,986
October	72,080	0	25,339	4,068	42,674
November	73,467	0	26,525	4,155	42,788
December	77,820	0	28,508	4,348	44,964
2015	•		'	•	
January	79,631	0	28,268	4,862	46,501
Year to Date		L.	l.	L	
2013	74,638	0	25,440	4,277	44,920
2014	83,146	0	29,951	4,988	48,208
2015	79,631	0	28,268	4,862	46,501
Rolling 12 Months Ending i		· · · · · · · · · · · · · · · · · · ·	, 1	, I	,
2014	890,894	0	307,688	51,768	531,439
2015	873,591	0	316,768	47,878	508,945

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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.

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

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

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2005-January 2015 (Million Cubic Feet)

		Electric Pow				
			Independent	Commercial	Industrial	
Period	Total (all sectors)	Electric Utilities	Power Producers	Sector	Sector	
Annual Totals		1				
2005	7,020,709	2,134,859	3,734,286	67,957	1,083,607	
2006	7,404,432	2,478,396	3,743,704	67,735	1,114,597	
2007	7,961,922	2,736,418	4,104,991	70,074	1,050,439	
2008	7,689,380	2,730,134	3,938,245	66,216	954,785	
2009	7,937,856	2,911,279	3,961,254	75,555	989,769	
2010	8,501,960	3,290,993	4,096,192	85,786	1,028,990	
2011	8,723,546	3,446,087	4,127,777	87,026	1,062,657	
2012	10,370,812	4,101,927	5,008,867	110,999	1,149,020	
2013	9,478,685	3,970,447	4,220,309	117,626	1,170,303	
2014	9,380,070	3,723,837	4,425,274	111,801	1,119,158	
2013						
January	741,288	310,174	321,512	9,524	100,079	
February	666,492	278,139	290,249	8,690	89,413	
March	710,500	293,545	310,365	9,417	97,174	
April	665,912	268,467	296,361	8,666	92,419	
May	717,080	295,973	318,835	8,863	93,410	
June	842,478	363,204	373,946	9,627	95,701	
July	1,027,790	432,493	478,631	12,137	104,529	
August	1,015,404	442,939	457,592	11,260	103,614	
Sept	857,503	365,005	386,477	10,363	95,657	
October	741,859	312,216	324,822	9,130	95,691	
November	707,774	284,526	316,494	9,218	97,537	
December	784,605	323,768	345,024	10,732	105,081	
2014	•		•	•		
January	776,847	309,154	353,856	10,711	103,127	
February	647,083	248,391	300,597	9,293	88,802	
March	665,254	256,913	301,974	9,171	97,196	
April	648,104	255,080	295,265	8,560	89,199	
May	743,082	314,387	333,263	8,472	86,960	
June	821,830	335,439	388,596	8,683	89,112	
July	947,462	379,006	464,957	9,353	94,146	
August	1,004,108	410,371	488,342	9,912	95,483	
Sept	874,458	341,201	431,630	9,332	92,295	
October	802,794	308,587	395,078	9,408	89,722	
November	704,361	274,273	327,069	9,233	93,785	
December	744,688	291,034	344,647	9,674	99,333	
2015	· · ·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		, , , , , , , , , , , , , , , , , , ,	
January	824,017	327,173	385,701	10,270	100,873	
Year to Date	- ,-	- , -	, -	-, -	,	
2013	741,288	310,174	321,512	9,524	100,079	
2014	776,847	309,154	353,856	10,711	103,127	
2015	824,017	327,173	385,701	10,270	100,873	
Rolling 12 Months Ending	·	,	,. •	,		
2014	9,514,244	3,969,427	4,252,653	118,813	1,173,350	
2015	9,427,240	3,741,855	4,457,120	111,361	1,116,904	

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-January 2015 (Million Cubic Feet)

		Electric Powe			
Desire I	T-(-1 (-11()	Electric Heller	Independent	Commercial	Industrial
Period	Total (all sectors)	Electric Utilities	Power Producers	Sector	Sector
Annual Totals	4.44.000	44 400	400.004	4 707	0.540
2005 2006	141,899 160,033	11,490	123,064 136,108	4,797 6,644	2,548 664
2006		16,617		4,598	630
	166,774	17,442	144,104		
2008 2009	195,777 206,792	20,465	169,547	5,235	530 589
2009	218,331	19,583 19,975	180,689 192,428	5,931 5,535	393
2010			· · ·		384
2011	232,795	22,086 25,193	180,856	29,469 26,672	2,545
	256,376		201,965		2,545 4,623
2013 2014	271,967	27,259	211,942 247,487	28,143	
	313,570	33,312	247,487	27,676	5,096
2013	00.440	0.400	47 440	0.404	274
January	22,446	2,169	17,413	2,494	371
February	20,061	1,962	15,670	2,098	331
March	23,296	2,302	18,243	2,384	366
April	21,467	2,261	16,911	1,942	353 387
May	23,275	2,317	18,229	2,343	
June	22,614	2,168	17,652	2,407	387
July	23,199	2,109	18,232	2,469	389
August	24,445	2,964	18,590	2,515	377
Sept	22,680	2,272	17,654	2,366	388
October November	22,199 22,709	2,286 2,210	17,082 17,825	2,432 2,252	400 422
December		2,210	18,441	2,252	453
	23,576	2,241	10,441	2,441	453
2014	27,091	2,832	04.045	0.740	501
January February	23,537	2,481	21,015 18,251	2,743 2,398	408
March	26,931	2,849	21,125	2,596	446
April	26,222	2,788	20,736	2,280	418
May	26,175	2,785	20,799	2,205	385
June	26,173	2,787	20,799	2,203	376
July	27,329	2,767	21,786	2,003	398
August	26,616	2,829	21,750	2,320	411
Sept	25,348	2,717	20,111	2,131	389
October	26,154	2,717	20,625	2,131	434
November	25,486	2,731	20,286	2,016	453
December	26,580	2,798	20,841	2,466	476
	20,360	2,790	20,041	2,400	470
2015 January	27,317	2,852	21,195	2,764	505
	21,311	2,002	21,133	2,704	505
Year to Date 2013	22,446	2,169	17,413	2,494	371
2013	27,091	2,832	21,015	2,743	501
2014	27,317	2,852	21,195	2,743	505
Rolling 12 Months Ending i		2,002	21,133	2,704	505
2014	276,612	27,922	215,544	28,392	4,753
2014	313,796	33,331	247,667	27,697	5,101

Values for 2013 and prior years are final. Values for 2014 and 2015 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-920 Combined Heat and Power Plant Report, and predecessor forms.

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

Table 2.5.B. Landfill Gas: Consumption for Useful Thermal Output,

by Sector, 2005-January 2015 (Million Cubic Feet)

		Electric Powe				
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector	
Annual Totals	Total (all Sectors)	Liectific Othities	rower rioducers	360101	Jector	
2005	1,923	0	965	435	522	
2006	2,051	0	525	1,094	433	
2007	1,988	0	386	1,102	501	
2008	1,025	0	454	433	138	
2009	793	0	545	176	72	
2010	1,623	0	1,195	370	58	
2011	3,195	0	2,753	351	91	
2012	3,189	0	2,788	340	61	
2013	831	0	261	423	147	
2014	1,803	0	1,016	596	191	
2013						
January	64	0	18	33	12	
February	64	0	22	30	11	
March	60	0	23	24	13	
April	76	0	28	37	11	
May	86	0	35	40	11	
June	79	0	30	37	12	
July	87	0	35	39	13	
August	77	0	27	37	13	
Sept	65	0	17	35	12	
October	62	0	15	35	12	
November	54	0	4	38	12	
December	59	0	8	38	13	
2014						
January	230	0	127	72	31	
February	211	0	114	59	37	
March	152	0	82	51	19	
April	83	0	49	34	0	
May	88	0	49	35	4	
June	65	0	37	28	0	
July	73	0	42	31	0	
August	80	0	46	34	0	
Sept	75	0	44	31	0	
October	234	0	134	72	28	
November	264	0	153	75	36	
December	247	0	139	73	35	
2015	055	ما	007	مما	50	
January	355	0	207	96	53	
Year to Date	641	٦	401	001	40	
2013 2014	64 230	0	18 127	33 72	12 31	
2014	355	0	207	96	53	
		U_	207	90	53	
Rolling 12 Months Ending 2014	g in January 998	0	370	462	166	
2014	1,928	0	1,095	620	166 213	
2015	1,928	Ü	1,095	620	213	

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 2013 and prior years are final. Values for 2014 and 2015 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.

Table 2.5.C. Landfill Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2005-January 2015 (Million Cubic Feet)

		Electric Pow				
			Independent	Commercial	Industrial	
Period	Total (all sectors)	Electric Utilities	Power Producers	Sector	Sector	
Annual Totals	4 40 000	44.400	404.000	= 000	0.070	
2005	143,822	11,490	124,030	5,232	3,070	
2006	162,084	16,617	136,632	7,738	1,096	
2007	168,762	17,442	144,490	5,699	1,131	
2008	196,802	20,465	170,001	5,668	668	
2009	207,585	19,583	181,234	6,106	661	
2010	219,954	19,975	193,623	5,905	451	
2011	235,990	22,086	183,609	29,820	474	
2012	259,564	25,193	204,753	27,012	2,606	
2013	272,798	27,259	212,203	28,566	4,770	
2014	315,373	33,312	248,503	28,272	5,287	
2013						
January	22,510	2,169	17,431	2,527	383	
February	20,125	1,962	15,692	2,128	342	
March	23,355	2,302	18,267	2,408	378	
April	21,542	2,261	16,939	1,979	364	
May	23,361	2,317	18,263	2,383	398	
June	22,693	2,168	17,682	2,443	400	
July	23,286	2,109	18,267	2,508	402	
August	24,522	2,964	18,617	2,552	390	
Sept	22,744	2,272	17,671	2,402	400	
October	22,261	2,286	17,096	2,467	413	
November	22,764	2,210	17,829	2,290	434	
December	23,635	2,241	18,448	2,479	466	
2014						
January	27,321	2,832	21,142	2,814	532	
February	23,748	2,481	18,365	2,457	445	
March	27,083	2,849	21,207	2,562	465	
April	26,305	2,788	20,785	2,314	418	
May	26,263	2,785	20,848	2,240	389	
June	26,166	2,787	20,892	2,111	376	
July	27,402	2,917	21,828	2,259	398	
August	26,695	2,829	21,102	2,354	411	
Sept	25,423	2,717	20,155	2,162	389	
October	26,388	2,799	20,759	2,367	463	
November	25,750	2,731	20,439	2,092	489	
December	26,827	2,798	20,980	2,539	511	
2015						
January	27,672	2,852	21,402	2,860	558	
Year to Date						
2013	22,510	2,169	17,431	2,527	383	
2014	27,321	2,832	21,142	2,814	532	
2015	27,672	2,852	21,402	2,860	558	
Rolling 12 Months Ending	in January					
2014	277,609	27,922	215,915	28,854	4,919	
2015	315,724	33,331	248,762	28,317	5,313	

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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.

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

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

Table 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2005-January 2015 (Million Cubic Feet)

		Electric Powe				
			Independent	Commercial	Industria	
Period	Total (all sectors)	Electric Utilities	Power Producers	Sector	Sector	
Annual Totals						
2005	19,370	560	17,033	1,753	25	
2006	19,629	500	17,343	1,761	25	
2007	19,576	553	17,116	1,785	122	
2008	19,805	509	17,487	1,809	0	
2009	19,669	465	17,048	2,155	0	
2010	19,437	402	16,802	2,233	0	
2011	16,972	388	14,625	1,955	4	
2012	16,968	418	14,235	2,304	12	
2013	17,007	456	14,057	2,485	8	
2014	15,755	444	13,069	2,234	8	
2013						
January	1,328	32	1,115	181	0	
February	1,199	30	1,000	169	0	
March	1,411	31	1,175	205	1	
April	1,371	43	1,121	206	1	
May	1,480	43	1,218	218	1	
June	1,503	40	1,242	220	1	
July	1,549	44	1,278	226	1	
August	1,478	40	1,213	224	1	
Sept	1,408	38	1,154	216	1	
October	1,403	41	1,155	206	0	
November	1,350	40	1,107	203	0	
December	1,528	35	1,280	213	1	
2014						
January	1,288	28	1,064	194	1	
February	1,126	24	944	157	1	
March	1,344	38	1,121	185	1	
April	1,305	44	1,077	183	0	
May	1,341	42	1,120	179	0	
June	1,328	40	1,105	183	0	
July	1,409	44	1,166	198	0	
August	1,388	38	1,152	198	0	
Sept	1,312	38	1,090	185	0	
October	1,300	40	1,074	185	1	
November	1,304	32	1,080	191	1	
December	1,310	36	1,076	197	1	
2015						
January	1,287	31	1,064	192	1	
Year to Date						
2013	1,328	32	1,115	181	0	
2014	1,288	28	1,064	194	1	
2015	1,287	31	1,064	192	1	
Rolling 12 Months Ending	in January	•	<u> </u>	<u>'</u>		
2014	16,966	453	14,006	2,499	9	
2015	15,754	446	13,069	2,231	8	

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 2013 and prior years are final. Values for 2014 and 2015 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, 2005-January 2015 (Million Cubic Feet)

		Electric Powe		A		
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industria Secto	
Annual Totals	Total (all Sectors)	Liectific Othlities	rower rioducers	Jector	Jector	
2005	2,719	0	623	1,536	560	
2006	2,840	0	725	1,595	520	
2007	2,219	0	768	1,136	315	
2008	2,328	0	806	1,514	8	
2009	2,426	0	823	1,466	137	
2010	2,287	0	819	1,316	152	
2011	2,044	0	742	1,148	154	
2012	1,986	0	522	1,273	190	
2013	1,865	0	517	1,160	187	
2014	1,819	0	594	1,077	148	
2013	<u> </u>			<u> </u>		
January	156	0	42	98	17	
February	143	0	40	91	12	
March	167	0	47	104	16	
April	164	0	40	109	15	
May	153	0	32	105	16	
June	167	0	47	103	17	
July	158	0	45	95	18	
August	155	0	44	93	17	
Sept	152	0	39	97	16	
October	150	0	46	91	13	
November	141	0	46	82	14	
December	159	0	48	94	16	
2014						
January	155	0	55	87	13	
February	128	0	46	72	10	
March	153	0	47	93	13	
April	154	0	52	88	13	
May	150	0	49	89	12	
June	153	0	52	89	13	
July	159	0	50	96	14	
August	143	0	41	90	12	
Sept	147	0	43	91	12	
October	152	0	53	88	11	
November	156	0	50	93	12	
December	170	0	56	101	13	
2015	,	.	l l	· ·		
January	173	0	66	94	13	
Year to Date	<u> </u>		<u> </u>			
2013	156	0	42	98	17	
2014	155	0	55	87	13	
2015	173	0	66	94	13	
Rolling 12 Months Ending			L			
2014	1,863	0	530	1,149	183	
2015	1,837	0	604	1,085	148	
				,		

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.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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.

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

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

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

Useful Thermal Output, by Sector, 2005-January 2015 (Million Cubic Feet)

Useful Thermal Outpu		Electric Powe			
			Independent	Commercial	Industrial
Period	Total (all sectors)	Electric Utilities	Power Producers	Sector	Sector
Annual Totals	20,000	500	47.055	2.000	504
2005 2006	22,089	560 500	17,655	3,289	584
2006	22,469	553	18,068	3,356	545 437
	21,796		17,885	2,921	
2008	22,134	509 465	18,294	3,323	137
	22,095	403	17,872	3,622	
2010	21,725		17,621	3,549	152
2011	19,016	388 418	15,367	3,103	158 203
	18,954		14,757	3,577	
2013	18,871	456	14,574	3,646	195
2014	17,574	444	13,663	3,311	156
2013	4 404	20	4.457	070	47
January	1,484	32	1,157	278	17 13
February	1,342	30	1,040	259	13
March	1,579	31	1,222	309	
April	1,535	43	1,161	315	16
May	1,633	43	1,250	323	17
June	1,669	40	1,289	322	18
July	1,707	44	1,323	322	18
August	1,633	40	1,257	317	18
Sept	1,559	38	1,193	312	17
October	1,552	41	1,201	297	13
November	1,491	40	1,152	284	14
December	1,687	35	1,328	307	17
2014					
January	1,442	28	1,119	281	14
February	1,253	24	990	229	10
March	1,497	38	1,168	278	13
April	1,459	44	1,130	272	14
May	1,491	42	1,169	268	12
June	1,481	40	1,156	271	13
July	1,568	44	1,216	294	14
August	1,531	38	1,193	288	13
Sept	1,459	38	1,132	276	13
October	1,452	40	1,127	273	13
November	1,460	32	1,131	284	14
December	1,480	36	1,132	298	14
2015	<u>, </u>				
January	1,460	31	1,130	286	14
Year to Date		1			
2013	1,484	32	1,157	278	17
2014	1,442	28	1,119	281	14
2015	1,460	31	1,130	286	14
Rolling 12 Months Ending					
2014	18,829	453	14,536	3,648	192
2015	17,592	446	13,673	3,317	156

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 2013 and prior years are final. Values for 2014 and 2015 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, January 2015 and January 2014 (Thousand Tons)

Census Division					Electric Po	wer Sector	ent Power				
and State		All Sectors		Electric	Utilities		ent Power ucers	Commerc	ial Sector	Industria	al Sector
			Percentage								
	January 2015 503	January 2014 497		January 2015	January 2014 130	January 2015	January 2014 364	January 2015	January 2014	January 2015	January 2014
New England		100	1.3% 19.0%	135	130	366 120	100	0	0	0	3
Connecticut	120							0		0	0
Maine	3	4	-9.7%	0			2	0	0	0	
Massachusetts	245	263	-6.7%	ů	0		262	J	0		1
New Hampshire	135	130	3.8%	135	130	0		_	0	0	0
Rhode Island	0	0	-	0	0			_	0	0	0
Vermont	Ů	0	40.00/	0					0		0
Middle Atlantic	3,755	4,454	-16.0%	NM	NM	3,726	4,424 168	4	1	24	28
New Jersey	133	168	-21.0%	0	0	133		ŭ	0		
New York	158	410	-62.0%	NM	NM 0	151	402	0	0	6	7
Pennsylvania	3,464	3,875	-11.0%	0	Ū	3,442	3,854		1	19	21
East North Central	16,295	19,271	-15.0%	11,556	13,928	4,635	5,223	4	9	100	110
Illinois	4,386	4,892	-10.0%	494	612	3,836	4,220	2	2	54	57
Indiana	3,941	4,908	-20.0%	3,716	4,666	223	237	1	4	NM	1
Michigan	2,391	2,799	-15.0%	2,348	2,750	22	24	1	2	20	23
Ohio	3,426	4,171	-18.0%	2,865	3,420	553	742	NM	NM	8	9
Wisconsin	2,150	2,500	-14.0%	2,133	2,480	0		NM	NM	17	20
West North Central	12,129	13,191	-8.1%	11,977	13,004	1	1	6	8	145	178
Iowa	1,755	1,901	-7.7%	1,680	1,810	0			5		85
Kansas	1,367	1,658	-18.0%	1,367	1,658	0		_	0	0	0
Minnesota	1,560	1,632	-4.4%	1,528	1,586	0		0	0	32	46
Missouri	3,942	4,268	-7.7%	3,935	4,260	1	1	3	3	3	4
Nebraska	1,212	1,424	-15.0%	1,180	1,390	0			0	32	34
North Dakota	2,122	2,158	-1.7%	2,115	2,150	0			0	6	9
South Dakota	172	151	14.0%	172	151	0		0	0	0	0
South Atlantic	10,225	13,286	-23.0%	8,465	11,010	1,710	2,214	3	4	46	58
Delaware	50	74	-32.0%	0	0	50	74	0	0	0	0
District of Columbia	0	0		0	0				0		0
Florida	1,356	2,071	-35.0%	1,354	2,067	0			0	NM	4
Georgia	1,590	2,495	-36.0%	1,583	2,482	0		_	0	7	12
Maryland	665	1,001	-34.0%	0	0	659	996	NM	NM	4	5
North Carolina	1,598	2,225	-28.0%	1,571	2,170	NM	48		2	NM	4
South Carolina	995	1,162	-14.0%	990	1,155	0	0		0	5	7
Virginia	866	1,149	-25.0%	820	1,075	39	67	NM	NM	7	7
West Virginia	3,105	3,108	-0.1%	2,147	2,060	938	1,030	0	0		19
East South Central	7,120	8,552	-17.0%	6,799	8,249	298	274	0	1	22	28
Alabama	1,539	2,247	-32.0%	1,534	2,240	0			0	4	6
Kentucky	3,491	3,840	-9.1%	3,491	3,840	0		0	0	0	0
Mississippi	473	666	-29.0%	175	392	298	274	0	0	0	0
Tennessee	1,617	1,799	-10.0%	1,598	1,776	0	0	0	1	18	22
West South Central	11,808	13,617	-13.0%	5,814	7,050	5,984	6,554	0	0	NM	13
Arkansas	949	1,781	-47.0%	920	1,513	28	266	0	0	1	2
Louisiana	1,341	1,194	12.0%	719	446	622	749	0	0		0
Oklahoma	1,486	1,746	-15.0%	1,380	1,630	98	104	0	0	NM	12
Texas	8,032	8,896	-9.7%	2,795	3,461	5,237	5,435	0	0	0	0
Mountain	9,175	9,763	-6.0%	8,047	8,750	1,107	991	0	0	21	23
Arizona	1,762	2,089	-16.0%	1,762	2,089	0	0	0	0	0	0
Colorado	1,588	1,748	-9.1%	1,587	1,746	NM	NM	0	0	NM	NM
Idaho	2	2	-13.0%	0	0	0	0	0	0	2	2
Montana	1,019	860	18.0%	NM	NM	994	834	0	0	NM	1
Nevada	122	356	-66.0%	78	271	44	84	0	0	0	0
New Mexico	932	832	12.0%	932	832	0	0	0	0	0	0
Utah	1,396	1,430	-2.4%	1,368	1,398	NM	NM	0	0	0	0
Wyoming	2,353	2,445	-3.8%	2,296	2,388	NM	NM	0	0	18	19
Pacific Contiguous	406	862	-53.0%	14	226	385	629	0	0	7	6
California	7	5	24.0%	0		NM	NM	0	0	6	5
Oregon	14	226	-94.0%	14	226	0	0	0	0	0	0
Washington	385	630	-39.0%	0	0		629	0	0	0	1
Pacific Noncontiguous	103	108	-4.2%	18	16	75	81	9	9	NM	NM
Alaska	44	44	0.4%	18			18	9	9	0	0
Hawaii	59	64	-7.4%	0	0		63	0	0	NM	NM
	- 00	83,600	-14.0%	52,825	62,364	18,288	20,755	26	31	379	449

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

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

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

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

Table 2.7.B. Consumption of Coal for Electricity Generation by State, by Sector, Year-to-Date through January 2015 and January 2014 (Thousand Tons)

Census Division and State			Electric	Electric Po	Independ	lent Power	Commercial Sector Industrial Sector			ial Saatar	
and State	January 2015		Percentage			January 2015	lucers January 2014			Industri	
	YTD	YTD	Change	YTD	YTD	YTD	YTD	YTD	YTE		
New England	503	497	1.3%	135	130	366	364	0	() 2	2
Connecticut	120	100	19.0%	0	0	120	100	0	() ()
Maine	3	4	-9.7%	0	0	2	2	0	() 2	2
Massachusetts	245	263	-6.7%	0	0	245	262	0	() ()
New Hampshire	135	130	3.8%	135	130	0	0	0	() ()
Rhode Island	0	0		0	0	0	0	0	() ()
Vermont	0	0		0	0	0	0	0	() ()
Middle Atlantic	3,755	4,454	-16.0%	NM	NM	3,726	4,424	4	1	1 24	1 2
New Jersey	133	168	-21.0%	0	0	133	168	0	() ()
New York	158	410	-62.0%	NM	NM	151	402	0	() 6	
Pennsylvania	3,464	3,875	-11.0%	0	0	3,442	3,854	4	1	19	2
East North Central	16,295	19,271	-15.0%	11,556	13,928	4,635	5,223	4	9	100	11
Illinois	4,386	4,892	-10.0%	494	612	3,836	4,220	2	2	2 54	5
Indiana	3,941	4,908	-20.0%	3,716	4,666	223	237	1	4	1 NM	1
Michigan	2,391	2,799	-15.0%	2,348	2,750	22	24	1	2	2 20) 2
Ohio	3,426	4,171	-18.0%	2,865	3,420	553	742	NM	NM	1 8	
Wisconsin	2,150	2,500	-14.0%	2,133	2,480	0		NM	NM		
West North Central	12,129	13,191	-8.1%	11,977	13,004	1		6	3	4	
Iowa	1,755	1,901	-7.7%	1,680	1,810	0	0	4	5		
Kansas	1,367	1,658	-18.0%	1,367	1,658	0		0	(
Minnesota	1,560	1,632	-4.4%	1,528	1,586	0	0	0	(32	2 4
Missouri	3,942	4,268	-7.7%	3,935	4,260	1	1	3	3	3 3	3
Nebraska	1,212	1,424	-15.0%	1,180	1,390	0	0	0	(32	2 3
North Dakota	2,122	2,158	-1.7%	2,115	2,150	0	0	0			
South Dakota	172	151	14.0%	172	151	0	0	0	() (
South Atlantic	10,225	13,286	-23.0%	8,465	11,010	1,710	2,214	3	4	1 46	5
Delaware	50	74	-32.0%	0	0	50		0	(
District of Columbia	0	0		0	0	0	1	0	() (
Florida	1.356	2,071	-35.0%	1,354	2.067	0		0			1
Georgia	1,590	2,495	-36.0%	1,583	2,482	0	0	0	() 7	7 1:
Maryland	665	1,001	-34.0%	0	0	659		NM	NN		
North Carolina	1,598	2,225	-28.0%	1,571	2,170	NM	48	2	2	2 NM	1
South Carolina	995	1,162	-14.0%	990	1,155	0		0	(_	
Virginia	866	1,149	-25.0%	820	1,075	39		NM	NN	1 7	,
West Virginia	3,105	3,108	-0.1%	2,147	2,060	938	1,030	0	() 19	1:
East South Central	7,120	8,552	-17.0%	6,799	8,249	298	274	0	1	1 22	2 2
Alabama	1,539	2,247	-32.0%	1,534	2,240	0	0	0	() 4	1
Kentucky	3,491	3,840	-9.1%	3,491	3,840	0		0) (
Mississippi	473	666	-29.0%	175	392	298	274	0	() ()
Tennessee	1,617	1,799	-10.0%	1,598	1,776	0		0	1	1 18	3 2:
West South Central	11,808	13,617	-13.0%	5,814	7,050	5,984	6,554	0	() NM	1 1:
Arkansas	949	1,781	-47.0%	920	1,513	28		0	() 1	
Louisiana	1,341	1,194	12.0%	719	446	622	749	0		1	
Oklahoma	1,486	1,746	-15.0%	1,380	1,630	98		0) NM	
Texas	8,032	8,896	-9.7%	2,795	3,461	5,237	5,435	0			
Mountain	9,175	9,763	-6.0%	8,047	8,750	1,107		0			2
Arizona	1,762	2,089	-16.0%	1,762	2,089	0		0	C) (
Colorado	1,588	1,748	-9.1%	1,587	1,746	NM	NM	0) NM	1 NA
Idaho	2	2	-13.0%	0	0	0	1	0) 2	2
Montana	1,019	860	18.0%	NM	NM	994		0			1
Nevada	122	356	-66.0%	78	271	44		0			
New Mexico	932	832	12.0%	932	832	0		0) ()
Utah	1,396	1,430	-2.4%	1,368	1,398	NM		0		1	
Wyoming	2,353	2,445	-3.8%	2,296	2,388	NM		0			
Pacific Contiguous	406	862	-53.0%	14	226	385	629	0		4	7
California	7	5	24.0%	0	0	NM		0	,		
Oregon	14	226	-94.0%	14	226	0	1	0		-	
Washington	385	630	-39.0%	0		385		0		1	
Pacific Noncontiguous	103	108	-4.2%	18	16	75		9			1
Alaska	44	44	0.4%	18	16	17		9			
Hawaii	59	64	-7.4%	10	0	58		0		,	1
U.S. Total	71,518	83,600	-14.0%	52,825	62,364	18,288	20,755	26			

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

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

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

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

Table 2.8.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, January 2015 and January 2014 (Thousand Barrels)

Canava Phylaian					Electric Po	wer Sector						
Census Division and State		All Sectors		Independent Power Electric Utilities Producers				Commercial Sector Ind			ustrial Sector	
	January 2015		Percentage	January 2015					January 2014		January 2014	
New England	450	2,106	-79.0%	NM	286	412	1,734	19	71	January 2015	January 2014	
Connecticut	41	513	-92.0%	NM	NM	38	503	NM	NM	NM	NM	
Maine	195	279	-30.0%	NM	NM	191	264	NM	NM	3	10	
Massachusetts	166	948	-82.0%	NM	130	158	786	NM	NM	NM	NM	
New Hampshire	27	277	-90.0%	10	134	130	133	NM	NM	NM	NM	
Rhode Island	17	63	-73.0%	2	NM	11	48		12	0	0	
Vermont	NM	NM	-73.076 NM	NM	NM	0	- 40	NM	NM	0	0	
Middle Atlantic	767	3,329	-77.0%	366	809	378	2,479	NM	NM	17	NM	
New Jersey	84	614	-86.0%	NM	NM	84	606	NM	NM	NM	NM	
New York	575	2,026	-72.0%	366	807	190	1,189	NM	NM	13	NM	
Pennsylvania	107	690	-84.0%	NM	NM	104	684	NM	NM	NM	NM	
East North Central	107	276	-61.0%	88	150	104	121	NM	NM	INIVI	NM	
Illinois	NM	NM	NM	NM	NM	5			NM	0	0	
Indiana	25	34	-26.0%	23	30	0			NM	2	- 0	
	17	31	-26.0% -45.0%	17	31	0			NM	NM	NM	
Michigan	46	171	-45.0% -73.0%	33	NM	12	106	NM	NM	NM	NM	
Ohio Wisconsin	13	1/1	-/3.0% -42.0%	13	NM 19	12 NM		NM NM	NM NM	NM NM	NM NM	
		98	-42.0% -42.0%		19	NM NM	4			NM NM	NM 0	
West North Central	56	98 NM		55 NM	87 NM	NM NM	10 NM	NM NM	NM NM	NM NM	0 NM	
Iowa	NM		NM									
Kansas	14 NM	NM 32	NM NM	14 NM	NM 22	0 NM	10		0 NM	0 NM	0	
Minnesota												
Missouri	22	NM	NM	22	NM	NM	NM	NM 0	NM	0	0	
Nebraska	4	11	-66.0%	4	11	0	0	_	0	0	0	
North Dakota	4	5	-11.0%	4	4	0	0		NM	NM	NM	
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0	
South Atlantic	785	3,233	-76.0%	539	2,081	183	989	NM	NM	19	24	
Delaware	48		-72.0%	NM	NM	48		0	0		0	
District of Columbia	0	0		0	0	0	0	0	0		0	
Florida	168	NM	NM	165	NM	NM	NM	U	0	NM	NM	
Georgia	75	176	-57.0%	34	108	35	60		NM	5	8	
Maryland	98		-85.0%	NM	NM	50	516		NM	NM	NM	
North Carolina	149	503	-70.0%	128	459	NM	40		NM	8	NM	
South Carolina	71	312	-77.0%	61	289	NM	NM	NM	NM	2	4	
Virginia	157	1,216	-87.0%	127	1,056	29	158	NM	NM	NM	NM	
West Virginia	19	60	-68.0%	19	34	0		0	0	0	0	
East South Central	72	243	-70.0%	59	211	7	22		NM	NM	NM	
Alabama	NM	78	NM	20	47	7	22		0	NM	NM	
Kentucky	17	NM	NM	17	NM	0	0		0	0	0	
Mississippi	NM	NM	NM	NM	NM	0			0		0	
Tennessee	19	132	-85.0%	19	131	0	0		NM	NM	NM	
West South Central	50	NM	NM	26	NM	NM	10		NM	NM	NM	
Arkansas	11		207.0%	5	2	5	1	0	0	0	1	
Louisiana	22	NM	NM	14	NM	8	2	0	0	0	1	
Oklahoma	NM	NM	NM	NM	NM	0	0		NM	NM	NM	
Texas	NM	NM	NM	7	4	NM	7	NM	NM	NM	NM	
Mountain	41	36	11.0%	38	32	NM	NM	NM	NM	NM	NM	
Arizona	11	7	73.0%	11	7	0			NM	0	0	
Colorado	NM	NM	NM	NM	NM	0			0	NM	NM	
Idaho	NM	NM	NM	NM	NM	0			0		0	
Montana	NM	NM	NM	NM	NM	1	3		0	0	0	
Nevada	4	1	334.0%	3	1	0			0		0	
New Mexico	12	12	-2.2%	11	11	NM	NM	0	0	NM	NM	
Utah	NM	NM	NM	NM	2	NM	NM	0	0	NM	NM	
Wyoming	6	7	-7.7%	6	7	0	0		0	NM	NM	
Pacific Contiguous	16	NM	NM	6	NM	6	9		NM	4	2	
California	11	NM	NM	5	4	5	7	NM	NM	NM	NM	
Oregon	NM	NM	NM	0	1	0	0	NM	NM	0	0	
Washington	5	NM	NM	NM	NM	NM	NM	NM	NM	3	1	
Pacific Noncontiguous	1,050	1,274	-18.0%	935	1,070	NM	NM	1	NM	23	37	
Alaska	144	141	1.9%	135	133	0	0	NM	NM	8	NM	
Hawaii	906	1,133	-20.0%	800	937	NM	NM	1	0	15	29	
U.S. Total	3,395	10.637	-68.0%	2,128	4,743	1,119	5,543	72	235	76	117	

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

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

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

Table 2.8.B. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, Year-to-Date through January 2015 and January 2014 (Thousand Barrels)

Year-to-Date through January 20	TO UTTO GUTTO	iry 2014 (1110	Jusanu Dan	eis)	Flectric Po	wer Sector					
Census Division and State						Independent Power		Commercial Sector			
and State	January 2015	All Sectors January 2014	Percentage	January 2015	Utilities January 2014	Prod January 2015	ucers January 2014	January 2015	January 2014	Industri January 2015	al Sector
	YTD	YTD	Change	YTD	YTD	YTD	YTD	YTD	YTD	YTD	
New England	450	2,106	-79.0%	NM	286	412	1,734	19	71	3	15
Connecticut	41	513	-92.0%	NM	NM	38	503	NM	NM	NM	
Maine	195	279	-30.0%	NM	NM	191	264	NM	NM	3	7
Massachusetts	166	948	-82.0%	NM	130	158	786	NM	NM	NM	
New Hampshire	27	277	-90.0%	10	134	14	133	NM	NM	NM	
Rhode Island	17	63	-73.0%	2	NM	11	48	4	12	0	
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	
Middle Atlantic	767	3,329	-77.0%	366	809	378	2,479	NM	NM	17	
New Jersey New York	84 575	614 2,026	-86.0% -72.0%	NM 366	NM 807	84 190	606 1,189	NM NM	NM NM	NM 13	
Pennsylvania	107	690	-84.0%	NM	NM	104	684	NM	NM	NM	
East North Central	107	276	-61.0%	88	150	104	121	NM	NM	3	
Illinois	NM	NM	NM	NM	NM	5		NM	NM	0	
Indiana	25	34	-26.0%	23	30	0		NM	NM	2	
Michigan	17	31	-45.0%	17	31	0		0	NM	NM	
Ohio	46	171	-73.0%	33	NM	12	106	NM	NM	NM	I NM
Wisconsin	13	23	-42.0%	13	19	NM	4	NM	NM	NM	
West North Central	56	98	-42.0%	55	87	NM	10	NM	NM	NM	ı c
lowa	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	I NM
Kansas	14	NM	NM	14	NM	0	0	0	0	0	
Minnesota	NM	32	NM	NM	22	NM	10	NM	NM	NM	1
Missouri	22	NM	NM	22	NM	NM	NM	NM	NM	0	
Nebraska	4	11	-66.0%	4	11	0	0	0	0	C	
North Dakota	4	5	-11.0%	4	4	0	0	NM	NM	NM	1
South Dakota	NM 705	NM 3,233	-76.0%	NM 539	NM 2,081	NM 183	NM 989	NM	NM NM	0	
South Atlantic Delaware	785 48	3,233 169	-76.0% -72.0%	539 NM	2,081 NM	183	989 168	NM 0	NM 0	19	
District of Columbia	46	0	-72.0%	INIVI 0	INIVI 0	0	0	0	0		
Florida	168	NM	NM	165	NM	NM	NM	0	0	NM	
Georgia	75	176	-57.0%	34	108	35	60	NM	NM	5	
Maryland	98	666	-85.0%	NM	NM	50	516	NM	NM	NM	
North Carolina	149	503	-70.0%	128	459	NM	40	NM	NM	8	1
South Carolina	71	312	-77.0%	61	289	NM	NM	NM	NM	2	2 4
Virginia	157	1,216	-87.0%	127	1,056	29	158	NM	NM	NM	I NM
West Virginia	19	60	-68.0%	19	34	0	25	0	0	C) C
East South Central	72	243	-70.0%	59	211	7	22	NM	NM	NM	
Alabama	NM	78	NM	20	47	7	22	0	0	NM	
Kentucky	17	NM	NM	17	NM	0	0	0	0	0	1
Mississippi	NM	NM	NM	NM	NM	0		0	0	0	
Tennessee	19	132	-85.0%	19	131	0	0	NM	NM	NM	
West South Central	50	NM 4	NM	26	NM	NM	10	NM	NM	NM	1
Arkansas	11 22	NM	207.0% NM	5 14	NM	5 8	2	0	0	0	
Louisiana Oklahoma	NM	NM	NM	NM	NM	0	0	NM	NM	NM	
Texas	NM	NM	NM	7	4		7	NM	NM	NM	
Mountain	41	36	11.0%	38	32		NM	NM	NM	NM	
Arizona	11	7	73.0%	11	7	0	0	NM	NM	0	
Colorado	NM	NM	NM	NM	NM	0		NM	0	NM	
Idaho	NM	NM	NM	NM	NM	0	0	0	0	C) (
Montana	NM	NM	NM	NM	NM	1	3	0	0	C) C
Nevada	4	1	334.0%	3	1	0		0			
New Mexico	12	12	-2.2%	11	11	NM	NM	0	0	NM	
Utah	NM	NM	NM	NM	2		NM	0	0	NM	
Wyoming	6	7	-7.7%	6	7	0	0	0	0	NM	
Pacific Contiguous	16	NM	NM	6	NM	6	9	NM	NM	4	-
California	11	NM	NM	5	4			NM	NM	NM	
Oregon	NM	NM	NM	0	1	0	0	NM	NM	0	
Washington	5	NM	NM	NM 035	NM	NM	NM	NM	NM	3	
Pacific Noncontiguous Alaska	1,050 144	1,274 141	-18.0% 1.9%	935 135	1,070 133	NM 0	NM	1 NM	NM NM	23	
Hawaii	906	1,133	-20.0%	800	937	NM	0 NM	INIVI	NIVI 0	15	
U.S. Total	3,395	10.637	-20.0%	2,128	4,743	1,119	5,543	72	235	76	

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

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

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

Table 2.9.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, January 2015 and January 2014 (Thousand Tons)

January 2015 and January 2014	+ (Thousand To	JIIS)			Electric Po	wer Sector					
Census Division						Independ					
and State		All Sectors	Percentage	Electric	Utilities	Prod	ucers	Commerc	cial Sector	Industri	al Sector
	January 2015	January 2014		January 2015	January 2014						
New England	0	0	-	0	0	0	0	0	0	0	C
Connecticut	0	0		0	0	0	0	0	0	0	C
Maine	0	0		0	0	0	C	0	0	0	C
Massachusetts	0	0		0	0	0	0	0	0	0	C
New Hampshire	0	0		0	0	0	0	0	0	0	C
Rhode Island	0	0		0	0	0	0	0	0	0	C
Vermont	0	0		0	0	0	C	0	0	0	C
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	0	C	0	0	NM	NM
New York	0	0		0	0	0	0	0	0	0	C
Pennsylvania	NM		NM	0	0				0	NM	NM
East North Central	104	104	0.7%	59	57	41	41	0	0	4	6
Illinois	0	0		0	0	0	0	0	0	0	C
Indiana	28	32	-14.0%	28	32	0	0	0	0	0	C
Michigan	33	25	36.0%	29	19	2	3		0		3
Ohio	39	38	3.7%	0	0	39	38	0	0	0	C
Wisconsin	4	-	-57.0%	2	6						_
West North Central	2	-	-21.0%	0	0				0		NM
lowa	2	3	-21.0%	0	0	0	C	0	0	NM	NM
Kansas	0	0	-	0	0	0	0	0	0	0	C
Minnesota	0	-		0	0		C	0	0	0	C
Missouri	0	0		0	0	0	0	0	0	0	C
Nebraska	0	0		0	0	0	0	0	0	0	C
North Dakota	0	0		0	0	0	0	0	0	0	C
South Dakota	0	0		0	0	0	C	0	0	0	C
South Atlantic	49	78	-37.0%	46	75	0	0	0	0	3	3
Delaware	0	0		0	0	0	0	0	0	0	C
District of Columbia	0	0	-	0	0	0	0	0	0	0	C
Florida	46	75	-39.0%	46	75	0	0	0	0	0	C
Georgia	3	3	8.3%	0	0	0	0	0	0	3	3
Maryland	0	0		0	0	0	0	0	0	0	C
North Carolina	0	0	-	0	0	0	0	0	0	0	C
South Carolina	0	0		0	0	0	0	0	0	0	C
Virginia	0	0	-	0	0	0	0	0	0	0	C
West Virginia	0	0		0	0	0	0	0	0	0	C
East South Central	41	47	-12.0%	41	47	0	0	0	0	0	C
Alabama	0	0		0	0	0	0	0	0	0	C
Kentucky	41	47	-12.0%	41	47	0	0	0	0	0	C
Mississippi	0	0		0	0	0	0	0	0	0	C
Tennessee	0	0		0	0	0	0	0	0	0	C
West South Central	171	193	-12.0%	154	170	0	0	0	0	17	23
Arkansas	0	0		0	0	0	0	0	0	0	C
Louisiana	160	181	-11.0%	154	170	0			0		
Oklahoma	0	-	-	0	0	0					
Texas	11	13	-14.0%	0	0			0	0	11	13
Mountain	16	14	13.0%	0	0	16	14	. 0	0	0	C
Arizona	0	0	-	0	0	0	0	0	0	0	C
Colorado	0	-	-	0	0				0		
Idaho	0	v	-	0	0		0	0	0	0	C
Montana	16	14	13.0%	0	0	16	14	. 0	0	0	C
Nevada	0		-	0	0		0		0		
New Mexico	0	0	-	0	0	0	0	0	0	0	C
Utah	0	0		0	0	0	C	0	0	0	C
Wyoming	0	0		0	0	0	C	0	0	0	C
Pacific Contiguous	NM	NM	NM	0	0	NM	NM	0	0	0	C
California	NM	NM	NM	0	0	NM	NM	0	0	0	C
Oregon	0	0		0	0	0	C	0	0	0	C
Washington	0	0		0	0	0	C	0	0	0	C
Pacific Noncontiguous	0	0		0	0	0	C	0	0	0	C
Alaska	0	0	-	0	0	0	C	0	0	0	C
Hawaii	0	0		0	0	0	C	0	0		C
U.S. Total	386	443	-13.0%	300	349	57	55	0	0	30	39

Table 2.9.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector,

Year-to-Date through January 2015 and January 2014 (Thousand Tons)

		nuary 2014 (Thousand Ton			Electric Po	wer Sector					
Census Division						Independ	ent Power				
and State		All Sectors		Electric	Utilities	Prod	ucers	Commerc	ial Sector	Industri	al Sector
	January 2015 YTD	January 2014 YTD		January 2015 YTD	January 2014 YTD	January 2015 YTD	January 2014 YTD	January 2015 YTD	January 2014 YTD		
			Change								
New England	0	0		0	0	0	0		0		C
Connecticut	0	0		0	0				0		C
Maine	0	_		0	0				0		C
Massachusetts	0	0		0	0		0		0		C
New Hampshire	0			0	0		0		0		·
Rhode Island	0			0	0				0		C
Vermont	0	0		0	0		0		0		C
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	0	0	0	0	NM	NM
New York	0	0		0	0	0	0	0	0	0	C
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	104	104	0.7%	59	57	41	41	0	0	4	6
Illinois	0	0		0	0	0	0	0	0	0	C
Indiana	28		-14.0%	28	32	0	0		0		0
Michigan	33	25	36.0%	29	19	2	3		0		3
Ohio	39		3.7%	0	0				0		
Wisconsin	39		-57.0%	2	6				0		3
West North Central	2	3	-21.0%	0	0	0	0		0	1	NM
lowa	2	3	-21.0%	0	0				0		NIV NIV
			-21.0%							1	
Kansas	0	0		0	0		0		0		C
Minnesota	, ,										,
Missouri	0	0		0	0				0		C
Nebraska	0	0	-	0	0		0		0		C
North Dakota	0	0		0	0		0		0		C
South Dakota	0			0	0				0		C
South Atlantic	49	78	-37.0%	46	75	0	0	_	0	3	. 3
Delaware	0	0		0	0	0	0	0	0	0	C
District of Columbia	0	0		0	0	0	0	0	0	0	C
Florida	46	75	-39.0%	46	75	0	0	0	0	0	C
Georgia	3	3	8.3%	0	0	0	0	0	0	3	3
Maryland	0	0		0	0	0	0	0	0	0	C
North Carolina	0	0		0	0	0	0	0	0	0	C
South Carolina	0			0	0		0		0		C
Virginia	0			0	0				0	1	
West Virginia	0			0	0				0		
East South Central	41	47	-12.0%	41	47	0			0		Ċ
Alabama	0		-12.070	0	0	0	0	-	0		
Kentucky	41	47	-12.0%	41	47	0	0		0		
Mississippi	0		-12.070	0	0				0	1	
				0	0		0		0		
Tennessee	0		40.004							-	
West South Central	171	193	-12.0%	154	170	0	0	-	0		23
Arkansas	0	0		0	0	0	0		0		C
Louisiana	160		-11.0%	154	170	0	0		0		
Oklahoma	0			0	0				0		
Texas	11	13	-14.0%	0	0	-			0		13
Mountain	16	14	13.0%	0	0	16	14		0		C
Arizona	0			0	0		0		0		C
Colorado	0	0		0	0	0	0	0	0	0	C
Idaho	0	0	-	0	0	0	0	0	0	0	C
Montana	16	14	13.0%	0	0	16	14	. 0	0	0	C
Nevada	0	0		0	0	0	0	0	0	0	C
New Mexico	0			0	0		0		0		C
Utah	0			0	0				0	1	
Wyoming	0	0		0	0		0		0		
Pacific Contiguous	NM	NM	NM	0	0		NM		0		
California	NM	NM	NM	0	0		NM		0		
	NIM 0		INIVI	0	0		0		0		
Oregon		0									_
Washington	0		-	0	0				0	1	
Pacific Noncontiguous	0	0	-	0	0		0		0		C
Alaska	0	0		0	0				0		C
Hawaii	0	0		0	0		0		0	-	C
U.S. Total	386	443	-13.0%	300	349	57	55	0	0	30	39

Table 2.10.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, January 2015 and January 2014 (Million Cubic Feet)

Census Division and State New England Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont Middle Atlantic New Jersey New York Pennsylvania East North Central Illinois Indiana	January 2015 26,664 11,290 2,113 7,420 3,650 2,187 5 85,622 18,735 34,567 32,320	All Sectors January 2014 20,957 6,699 3,248 7,818 606 2,583 4 73,915 15,183	Percentage Change 27.0% 69.0% -35.0% -5.1% 502.0% -15.0% 25.0%		181 32 0	Independ Prod	ent Power ucers January 2014 19,024 5,973	Commerce January 2015 645		Industria January 2015	January 2014
New England Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont Middle Atlantic New Jersey New York Pennsylvania East North Central Illinois Indiana	26,664 11,290 2,113 7,420 3,650 2,187 5 85,622 18,735 34,567	January 2014 20,957 6,699 3,248 7,818 606 2,583 4 73,915	27.0% 69.0% -35.0% -5.1% 502.0% -15.0%	January 2015 63 0 0 58	January 2014 181 32	January 2015 25,186 10,591	January 2014 19,024	January 2015 645	January 2014	January 2015	January 2014
Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont Middle Atlantic New Jersey New York Pennsylvania East North Central Illinois Indiana	26,664 11,290 2,113 7,420 3,650 2,187 5 85,622 18,735 34,567	20,957 6,699 3,248 7,818 606 2,583 4 73,915	27.0% 69.0% -35.0% -5.1% 502.0% -15.0%	63 0 0 58 1	181 32 0	25,186 10,591	19,024	645			
Connecticut Maine Massachusetts New Hampshire Rhode Island Vermont Middle Atlantic New Jersey New York Pennsylvania East North Central Illinois Indiana	11,290 2,113 7,420 3,650 2,187 5 85,622 18,735 34,567	6,699 3,248 7,818 606 2,583 4 73,915	69.0% -35.0% -5.1% 502.0% -15.0%	0 0 58 1	32 0	10,591			615	770	
Maine Massachusetts New Hampshire Rhode Island Vermont Middle Atlantic New Jersey New York Pennsylvania East North Central Illinois Indiana	2,113 7,420 3,650 2,187 5 85,622 18,735 34,567	3,248 7,818 606 2,583 4 73,915	-35.0% -5.1% 502.0% -15.0%	0 58 1	0		5.973				1,138
Massachusetts New Hampshire Rhode Island Vermont Middle Atlantic New Jersey New York Pennsylvania East North Central Illinois Indiana	7,420 3,650 2,187 5 85,622 18,735 34,567	7,818 606 2,583 4 73,915	-5.1% 502.0% -15.0%	58 1		1,871		NM	NM	NM	455
New Hampshire Rhode Island Vermont Middle Atlantic New Jersey New York Pennsylvania East North Central Illinois Indiana	3,650 2,187 5 85,622 18,735 34,567	606 2,583 4 73,915	502.0% -15.0%	1	144		2,645	NM	NM	214	579
Rhode Island Vermont Middle Atlantic New Jersey New York Pennsylvania East North Central Illinois Indiana	2,187 5 85,622 18,735 34,567	2,583 4 73,915	-15.0%	1 0	4	6,946	7,275	324	306	NM	NM
Vermont Middle Atlantic New Jersey New York Pennsylvania East North Central Illinois Indiana	5 85,622 18,735 34,567	4 73,915		0		3,622	581	NM	NM	NM	NM
Middle Atlantic New Jersey New York Pennsylvania East North Central Illinois Indiana	18,735 34,567		25.0%		0	2,156	2,550	NM	NM	0	0
New Jersey New York Pennsylvania East North Central Illinois Indiana	18,735 34,567			5	4	0	0	0	0	0	0
New York Pennsylvania East North Central Illinois Indiana	34,567	15 193	16.0%	NM	8,519	73,424	63,728	892	808	953	860
Pennsylvania East North Central Illinois Indiana			23.0%	NM	NM	18,259	14,735	NM	NM	NM	292
East North Central Illinois Indiana	32.320	31,391	10.0%	NM	8,478	23,459	22,186	639	589	NM	139
Illinois Indiana		27,341	18.0%	NM	NM	31,706	26,807	NM	NM	NM	430
Indiana	55,414	47,259	17.0%	21,829	18,815	31,479	26,276	951	1,033	1,156	1,135
	6,240	5,344	17.0%	NM	NM	5,458	4,377	434	475	NM	204
	10,685	9,621	11.0%	8,287	7,251	1,981	2,014	NM	NM	356	328
Michigan	11,170	11,902	-6.1%	2,957	2,872	7,501	8,232	239	299	473	499
Ohio	19,505	15,534	26.0%	6,717	5,953	12,572	9,371	NM	NM	NM	NM
Wisconsin	7,814	4,858	61.0%	3,738	2,450	3,967	2,281	56	69	53	58
West North Central	8,179	9,598	-15.0%	7,433	8,282	278	792	204	275	264	249
Iowa	1,511	939	61.0%	1,418	802	0	0	NM	48	NM	89
Kansas	782	1,856	-58.0%	690	1,783	0	0	0	0	92	73
Minnesota	2,617	3,193	-18.0%	2,251	2,223	NM	673	NM	226	93	72
Missouri	NM	3,248	NM	NM	3,123	NM	NM	1	1	NM	NM
Nebraska	189	97	95.0%	181	97	0	0	NM	NM	NM	0
North Dakota	NM	9	NM	2	0	0	0	0	0	NM	9
South Dakota	459	255	80.0%	459	255	0	0	0	0	0	0
South Atlantic	165,826	144,710	15.0%	133,575	114,824	29,651	27,353	NM	425	2,182	2,107
Delaware	3,989	2,664	50.0%	NM	NM	2,947	2,053	0	0	1,023	581
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	83,227	79,077	5.2%	78,321	72,590	4,092	5,614	NM	NM	797	857
Georgia	29,361	22,089	33.0%	20,297	16,427	8,934	5,400	0	0	130	262
Maryland	NM	1,330	NM	0	0	NM	982	NM	NM	NM	NM
North Carolina	22,051	18,062	22.0%	15,164	12,303	6,828	5,561	0	2	58	196
South Carolina	7,128	6,838	4.2%	6,452	6,124	652	686	NM	NM	19	22
Virginia	18,313	13,522	35.0%	13,253	6,600	4,932	6,757	NM	NM	124	163
West Virginia	271	1,053	-74.0%	71	751	192	300	0	0	NM	NM
East South Central	70,202	69,324	1.3%	37,402	40,795	30,179	25,967	NM	NM	2,486	2,436
Alabama	36,190	32,151	13.0%	10,677	10,622	24,729	20,680	0	0	784	849
Kentucky	2,419	6,297	-62.0%	2,106	5,801	176	372	0	0	NM	124
Mississippi	26,634	24,528	8.6%	19,870	18,184	5,274	4,915	NM	NM	1,480	1,420
Tennessee	4,960	6,349	-22.0%	4,748	6,188	0	0	NM	NM	85	44
West South Central	209,487	187,061	12.0%	54,602	54,644	114,028	92,543	723	667	40,134	39,208
Arkansas	9,428	7,176	31.0%	1,721	822	7,489	6,151	NM	NM	217	202
Louisiana	40,619	41,758	-2.7%	17,821	16,288	5,985	8,843	NM	171	16,639	16,455
Oklahoma	20,829	20,551	1.4%	14,263	16,195	6,469	4,300	NM	NM	45	51
Texas	138,611	117,576	18.0%	20,796	21,338	94.085	73,249	497	489	23,233	22,499
Mountain	43,484	42,968	1.2%	28,543	27,047	13,872	14,578	307	394	761	948
Arizona	10,126	11,047	-8.3%	4,051	4,575	5,964	6,337	NM	135	0	0
Colorado	6,345	6,344	0.0%	3,473	3,886	2,858	2,417	NM	19	NM	NM
Idaho	2,254	2,735	-18.0%	1,440	1,467	775	1,212	0	0	39	55
Montana	NM	702	NM	NM	613	NM	NM	0	0	0	0
Nevada	13,009	11,241	16.0%	11,056	8,792	1,740	2,180	NM	NM	NM	203
New Mexico	6,442	5,578	15.0%	4,163	3,396	2,207	2,088	NM	NM	0	NM
Utah	4,334	4,976	-13.0%	3,767	4,288	NM	NM	NM	NM	266	363
Wyoming	328	344	-4.7%	NM	4,200 NM	NM	NM	14101	14161	285	299
Pacific Contiguous	76,588	94,917	-19.0%	30,519	33,143	39,337	53,644	1,128	1,377	5,604	6,753
California	63,691	74,219	-19.0%	22,653	20,703	34,452	45,557	1,065	1,280	5,522	6,680
Oregon	8,114	11,714	-14.0%	3,484	4,709	4,547	6,877	NM	1,280	26	40
Washington	4,783	8,985	-31.0% -47.0%	3,484 4,382	7,731	338	1,210	NM	97	26 56	33
· ·	2,919	2,993	-47.0%	4,382 2,854	2,904	338	1,∠10	NM	9 NM	NM	
Pacific Noncontiguous							0				84 84
Alaska	2,919	2,993	-2.4%	2,854	2,904	0		NM	NM	NM 0	84
Hawaii U.S. Total	744.386	693,701	7.3%	327,173	309,154	357,433	323,905	5,408	5,723	54,372	54.919

Table 2.10.B. Consumption of Nautral Gas for Electricity Generation by State, by Sector, Year-to-Date through January 2015 and January 2014 (Million Cubic Feet)

		ary 2014 (WIII		1	Electric Po	wer Sector					
Census Division							ent Power				
and State		All Sectors		Electric	Utilities	Prod	ucers	Commerc	cial Sector	Industr	ial Sector
	January 2015		Percentage								January 2014
	YTD	YTD	Change	YTD	YTD	YTD	YTD		YTD	YTE	
New England	26,664	20,957	27.0%	63	181	25,186	19,024	645	615	770	
Connecticut	11,290	6,699	69.0%	0	32		5,973	NM	NM	NN	1
Maine	2,113	3,248	-35.0%	0	0	.,	2,645	NM	NM	214	
Massachusetts	7,420	7,818	-5.1%	58	144	6,946	7,275	324	306	NN.	
New Hampshire	3,650	606	502.0%	1	1	3,622	581	NM	NM	NN	
Rhode Island	2,187	2,583	-15.0%	0	0	2,156	2,550	NM	NM	(0
Vermont	5	4	25.0%	5	4	0	0	0	0	(0
Middle Atlantic	85,622	73,915	16.0%	NM	8,519	73,424	63,728	892	808	950	860
New Jersey	18,735	15,183	23.0%	NM	NM	18,259	14,735	NM	NM	NN.	1 292
New York	34,567	31,391	10.0%	NM	8,478	23,459	22,186	639	589	NN.	1 139
Pennsylvania	32,320	27,341	18.0%	NM	NM	31,706	26,807	NM	NM	NN	430
East North Central	55,414	47,259	17.0%	21,829	18,815	31,479	26,276	951	1,033	1,156	1,135
Illinois	6,240	5,344	17.0%	NM	NM	5,458	4,377	434	475	NN	1 204
Indiana	10.685	9,621	11.0%	8,287	7,251	1.981	2,014	NM	NM	356	328
Michigan	11,170	11,902	-6.1%	2,957	2,872	7,501	8,232	239	299	473	
Ohio	19,505	15,534	26.0%	6,717	5,953	12,572	9,371	NM	NM		
Wisconsin	7,814	4,858	61.0%	3,738	2.450	3,967	2,281	56	69		
West North Central	8,179	9,598	-15.0%	7,433	8,282	278	792		275	264	
lowa	1,511	939	61.0%	1,418	802	0			48		
Kansas	782	1,856	-58.0%	690	1,783	0			0		
Minnesota	2,617	3,193	-18.0%	2,251	2,223	NM	673	NM	226	90	
	NM	3,248	NM	NM	3,123	NM	NM	14101	1	NN.	
Missouri Nebraska	189	3,246	95.0%	181	3,123	0	0	NM	I NM	NN NN	
	NM	97		101	0	0				NN NN	
North Dakota		_	NM	450	_	0			0		1
South Dakota	459	255	80.0%	459	255				0		1
South Atlantic	165,826	144,710	15.0%	133,575	114,824	29,651	27,353	NM	425	2,182	
Delaware	3,989	2,664	50.0%	NM	NM	2,947	2,053	0	0	1,023	
District of Columbia	NM	NM	NM	0	0	0	0		NM	(-
Florida	83,227	79,077	5.2%	78,321	72,590	4,092	5,614		NM	797	
Georgia	29,361	22,089	33.0%	20,297	16,427	8,934	5,400	0	0	130	
Maryland	NM	1,330	NM	0	0	NM	982	NM	NM		1
North Carolina	22,051	18,062	22.0%	15,164	12,303	6,828	5,561	0	2	58	
South Carolina	7,128	6,838	4.2%	6,452	6,124	652	686	NM	NM		
Virginia	18,313	13,522	35.0%	13,253	6,600	4,932	6,757	NM	NM		
West Virginia	271	1,053	-74.0%	71	751	192	300	0	0		
East South Central	70,202	69,324	1.3%	37,402	40,795	30,179	25,967	NM	NM	2,486	
Alabama	36,190	32,151	13.0%	10,677	10,622	24,729	20,680	0	0	784	
Kentucky	2,419	6,297	-62.0%	2,106	5,801	176	372	0	0		
Mississippi	26,634	24,528	8.6%	19,870	18,184	5,274	4,915		NM		
Tennessee	4,960	6,349	-22.0%	4,748	6,188	0	0	NM	NM	85	5 44
West South Central	209,487	187,061	12.0%	54,602	54,644	114,028	92,543	723	667	40,134	39,208
Arkansas	9,428	7,176	31.0%	1,721	822	7,489	6,151	NM	NM	217	
Louisiana	40,619	41,758	-2.7%	17,821	16,288	5,985	8,843	NM	171	16,639	16,455
Oklahoma	20,829	20,551	1.4%	14,263	16,195	6,469	4,300		NM		
Texas	138,611	117,576	18.0%	20,796	21,338	94,085	73,249		489	23,233	
Mountain	43,484	42,968	1.2%	28,543	27,047	13,872	14,578	307	394	76	948
Arizona	10,126	11,047	-8.3%	4,051	4,575	5,964	6,337	NM	135	(0
Colorado	6,345	6,344	0.0%	3,473	3,886	2,858	2,417	NM	19	NM	1 NM
Idaho	2,254	2,735	-18.0%	1,440	1,467	775	1,212	0	0	39	55
Montana	NM	702	NM	NM	613	NM	NM	0	0	() C
Nevada	13,009	11,241	16.0%	11,056	8,792	1,740	2,180	NM	NM	NN	1 203
New Mexico	6,442	5,578	15.0%	4,163	3,396	2,207	2,088		NM		
Utah	4,334	4,976	-13.0%	3,767	4,288	NM	NM	NM	NM		1
Wyoming	328	344	-4.7%	NM	NM	NM	NM	0	0		
Pacific Contiguous	76,588	94,917	-19.0%	30,519	33,143	39,337	53,644	1,128	1,377	5,604	4
California	63,691	74,219	-14.0%	22,653	20,703	34,452	45,557	1,065	1,280	5,522	
	8,114	11,714	-31.0%	3,484	4,709	4,547	6,877	1,003 NM	87	26	
Oregon Washington	4,783	8,985	-47.0%	4,382	7,731	338	1,210		9		
			-47.0%	2,854	2,904	338	1,210	NM	NM	NN.	
Pacific Noncontiguous	2,919	2,993				Ŭ	Ŭ				
Alaska	2,919	2,993	-2.4%	2,854	2,904	0			NM	NN.	
Hawaii	0	0		0	0	0	0		0		
U.S. Total	744,386	693,701	7.3%	327,173	309,154	357,433	323,905	5,408	5,723	54,372	54,919

Table 2.11.A. Consumption of Landfill Gas for Electricity Generation by State, by Sector, January 2015 and January 2014 (Million Cubic Feet)

January 2015 and January 2014	(Electric Po	wer Sector					
Census Division							ent Power				
and State		All Sectors		Electric	Utilities	Prod	ucers	Commerc	ial Sector	Industri	al Sector
	January 2015	January 2014	Percentage	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2016	January 2014
New England	1,163	1,088	6.9%	0 January 2013	0 January 2014	1,082	996	NM	93		
Connecticut	1,163 NM	NM	NM	0	0		NM		0		
Maine	NM	83	NM	0	0		83		0		
Massachusetts	374	377	-0.7%	0	0		377	0	0		
New Hampshire	200	210	-5.0%	0	0		117	Ü	93		
Rhode Island	392	303	29.0%	0	0		303		0		
Vermont	NM	NM	NM	0	0		NM		0		
Middle Atlantic	5,308	5,273	0.7%	0	0		5,110		NM		
New Jersey	955	970	-1.6%	0	0	-, -	970	0	0		
New York	1,739	1,750	-0.7%	0	0		1,750	0	0		
Pennsylvania	2,615	2,552	2.5%	0	0		2,390	NM	NM		
East North Central	6,778	6,813	-0.5%	812	814	5,903	5,945	NM	NM		NM
Illinois	1,625	1,626	0.0%	0.2	0		1,626	0	0	1	
Indiana	823	818	0.5%	768	774	0	0	0	0		
Michigan	2,060	2,081	-1.0%	0	0	2,060	2,081	0	0		
Ohio	1,064	1,069	-0.4%	NM	NM	1,037	1,043	0	0		
Wisconsin	1,207	1,219	-1.0%	NM	NM	1,181	1,195	NM	NM		
West North Central	1,031	1,026	0.5%	326	318	705	708	0	0		
lowa	210	208	0.7%	0	0	210	208	0	0		
Kansas	170	172	-1.3%	0	0		172	0			
Minnesota	371	370	0.5%	NM	86	281	284	0			
Missouri	157	151	4.1%	113	107	NM	NM	0	0) (
Nebraska	123	125	-1.4%	123	125	0			0		
North Dakota	0	0		0	0	0	0	0	0) (
South Dakota	0	0		0	0				0		
South Atlantic	4,288	4,226	1.5%	549	524	3,013	3,007	396	374	331	321
Delaware	128	129	-0.8%	0	0	128	129	0	0		
District of Columbia	0	0		0	0	0	0	0	0) (C
Florida	674	654	2.9%	181	158	493	496	0	0		C
Georgia	383	376	1.8%	0	0	240	242	NM	NM	NM	82
Maryland	367	367	0.0%	0	0	190	189	NM	178		
North Carolina	871	861	1.1%	0	0	739	747	NM	114	C	C
South Carolina	633	626	1.2%	358	355	NM	NM	0	0	243	239
Virginia	1,221	1,202	1.6%	NM	NM	1,179	1,162	NM	NM	C	C
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	(C
East South Central	465	468	-0.6%	247	249	219	219	0	0	(C
Alabama	NM	NM	NM	0	0	NM	NM	0	0	(C
Kentucky	247	249	-0.8%	247	249	0	0	0	0) (C
Mississippi	NM	NM	NM	0	0		NM	0			
Tennessee	171	171	-0.2%	0	0		171	0	0		
West South Central	1,633	1,631	0.1%	0	0		1,556	NM	NM	ı c	C
Arkansas	152	154	-1.1%	0	0		154		0		
Louisiana	0	0		0	0		0		0		
Oklahoma	0	0		0	0				0		
Texas	1,480	1,477	0.2%	0	0	.,	1,402	NM	NM		
Mountain	538	542	-0.7%	109	109	429	432		0		
Arizona	172	174	-0.7%	NM	85	NM	88		0		
Colorado	113	114	-1.1%	0	0	113	114		0		
Idaho	NM	68	NM	NM	NM	NM	NM				
Montana	0	0		0	0			ŭ	ŭ		
Nevada	NM	NM	NM	0	0		NM				
New Mexico	0	0	-	0	0		0		0		
Utah	131	132	-0.9%	0	0		132				
Wyoming	0	0		0	0				0		
Pacific Contiguous	5,972	5,905	1.1%	808	818	3,139	3,042		2,044		,
California	5,028	4,960	1.4%	289	293	2,771	2,677	1,968	1,990		
Oregon	512	508	0.7%	130	131	324	323	NM	NM		
Washington	432	437	-1.0%	389	395	NM	NM		0		
Pacific Noncontiguous	NM	120	NM	0	0	0	0	NM	120		,
Alaska	NM	120	NM	0	0				120		
Hawaii	0	0		0	0		0	-	0		
U.S. Total	27,317	27,091	0.8%	2,852	2,832	21,195	21,015	2,764	2,743	505	501

Table 2.11.B. Consumption of Landfill Gas for Electricity Generation by State, by Sector, Year-to-Date through January 2015 and January 2014 (Million Cubic Feet)

					Electric Po	wer Sector					
Census Division							ent Power				
and State		All Sectors		Electric	Utilities	Prod	ucers	Commerc	ial Sector	Industri	al Sector
		January 2014	Percentage				January 2014			January 2015	
	YTD	YTD	Change	YTD	YTD	YTD	YTD	YTD	YTD	YTD	YTD
New England	1,163	1,088	6.9%	0	0		996	NM	93	0	0
Connecticut	NM	NM	NM	0	0		NM	0	0		0
Maine	NM	83	NM	0	0		83	0	0		0
Massachusetts	374	377	-0.7%	0	0		377	0	0		0
New Hampshire	200	210	-5.0%	0	0	119	117	NM	93	0	0
Rhode Island	392	303	29.0%	0	0	392	303	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	5,308	5,273	0.7%	0	0	5,157	5,110	NM	NM	NM	135
New Jersey	955	970	-1.6%	0	0	955	970	0	0	0	0
New York	1,739	1,750	-0.7%	0	0	1,739	1,750	0	0	0	0
Pennsylvania	2,615	2,552	2.5%	0	0		2,390	NM	NM	NM	135
East North Central	6,778	6,813	-0.5%	812	814	5,903	5,945	NM	NM	NM	NM
Illinois	1,625	1,626	0.0%	012	014	1,625	1,626	0	0		0
Indiana	823	818	0.5%	768	774	1,020	1,020	0	0	NM	NM
Michigan	2,060	2,081	-1.0%	0	0	2,060	2,081	0	0		INIV
_					_			0			0
Ohio	1,064	1,069	-0.4%	NM	NM	1,037	1,043	0	0		Ŭ
Wisconsin	1,207	1,219	-1.0%	NM	NM	1,181	1,195	NM	NM	0	0
West North Central	1,031	1,026	0.5%	326	318	705	708	0	0	0	0
Iowa	210	208	0.7%	0	0	210	208	0	0	0	0
Kansas	170	172	-1.3%	0	0		172	0	0		
Minnesota	371	370	0.5%	NM	86	281	284	0	0	0	0
Missouri	157	151	4.1%	113	107	NM	NM	0	0	0	0
Nebraska	123	125	-1.4%	123	125	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	4,288	4,226	1.5%	549	524	3,013	3,007	396	374	331	321
Delaware	128	129	-0.8%	0	0	128	129	0	0		0
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	674	654	2.9%	181	158	493	496	0	0	0	0
Georgia	383	376	1.8%	0	0		242	NM	NM	NM	82
Maryland	367	367	0.0%	0	0		189	NM	178	14101	02
				0	0			NM		0	0
North Carolina South Carolina	871 633	861 626	1.1% 1.2%	358	355	739 NM	747 NM	INIVI	114	243	239
								0	,		
Virginia	1,221	1,202	1.6%	NM	NM	1,179	1,162	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	
East South Central	465	468	-0.6%	247	249	219	219	0	0		0
Alabama	NM	NM	NM	0	0	NM	NM	0	0	0	0
Kentucky	247	249	-0.8%	247	249	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0		NM	0	0		0
Tennessee	171	171	-0.2%	0	0	171	171	0	0	0	0
West South Central	1,633	1,631	0.1%	0	0	1,550	1,556	NM	NM	0	0
Arkansas	152	154	-1.1%	0	0	152	154	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
Texas	1,480	1,477	0.2%	0	0	1,397	1,402	NM	NM	0	0
Mountain	538	542	-0.7%	109	109	429	432	0	0	0	0
Arizona	172	174	-0.7%	NM	85	NM	88	0	0	0	0
Colorado	113	114	-1.1%	0	0	113	114	0	0		0
Idaho	NM	68	NM	NM	NM	NM	NM	0	0		0
Montana	INIVI 0	00	INIVI	0	NIVI			0	0		0
Nevada	NM	NM	 NM	0	0	ŭ	NM	0	0		0
	NIVI 0	NM 0	INIVI	0	0		NIM 0	0	0		
New Mexico	Ü	_						ŭ		0	0
Utah	131	132	-0.9%	0	0		132	0	0		0
Wyoming	0	0		0	0		0	0	0	0	0
Pacific Contiguous	5,972	5,905	1.1%	808	818	3,139	3,042	2,026	2,044	0	0
California	5,028	4,960	1.4%	289	293	2,771	2,677	1,968	1,990	0	0
Oregon	512	508	0.7%	130	131	324	323	NM	NM	0	0
Washington	432	437	-1.0%	389	395	NM	NM	0	0	0	0
Pacific Noncontiguous	NM	120	NM	0	0	0	0	NM	120	0	0
Alaska	NM	120	NM	0	0	0	0	NM	120	0	0
Hawaii	0	0		0	0		0		0	0	0
U.S. Total	27,317	27,091	0.8%	2,852	2,832	21,195	21,015	2,764	2,743	505	501

Table 2.12.A. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, January 2015 and January 2014 (Thousand Tons)

	2015 and January 2014 (Thousand Tons)				Electric Po	wer Sector					
Census Division						Independe	ent Power	_			
and State		All Sectors	Percentage	Electric	Utilities	Prod	ucers	Commerc	ial Sector	Industria	I Sector
	January 2015	January 2014	Change	January 2015	January 2014						
New England	307	307	0.1%	0	0	284	285	23	22	0	0
Connecticut	108	115	-6.0%	0	0		108	NM	6		0
Maine	24		2.3%	0	0		8	16	16		0
Massachusetts	164	157	4.2%	0	0		157	0	0		0
New Hampshire	11	11	0.5%	0	0		11	0	0		0
Rhode Island	0			0	0		0		0	0	0
Vermont	0	0		0	0		0		0	0	0
Middle Atlantic	417	383	8.7%	0	0		296	88	88	0	0
New Jersey	107	106	0.9%	0	0		77	30	29	0	0
New York	155	145	6.8%	0	0		107	38	37	0	0
Pennsylvania	155	133	17.0%	0	0	135	112	20	21	0	0
East North Central	19	18	7.1%	3	2	0	0	16	16	0	0
Illinois	0	0		0	0	0	0	0	0	0	0
Indiana	1	1	-8.2%	0	0				1	0	0
Michigan	15	15	4.0%	0	0	0	0	15	15	0	0
Ohio	0	0	-	0	0	0	0	0	0	0	0
Wisconsin	3	2	35.0%	3	2	0	0	0	0	0	0
West North Central	45	43	3.8%	28	26	15	15	NM	2	0	0
Iowa	0	0	-	0	0		0	0	0	0	0
Kansas	0	0		0	0	0	0	0	0	0	0
Minnesota	45	43	3.8%	28	26	15	15	NM	2	0	0
Missouri	0	0		0	0	0	0	0	0	0	0
Nebraska	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
South Atlantic	415	437	-5.0%	0	0	383	406	31	31	0	0
Delaware	0	0		0	0		0		0	0	0
District of Columbia	0			0	0				0		0
Florida	268	288	-6.9%	0	0		288	0	0		0
Georgia	0	0		0	0	0	0	0	0	0	0
Maryland	60		-1.2%	0	0		61		0		0
North Carolina	0			0	0		0		0		0
South Carolina	0			0	0				0		0
Virginia	86	88	-1.5%	0	0		57		31		0
West Virginia	0	0		0	0		0		0		0
East South Central	0			0	0		0		0		0
Alabama	0			0	0				0		0
Kentucky	0			0	0		0		0	0	0
Mississippi	0	0		0	0				0	ŭ	0
Tennessee	0	0		0	0		0		0		n
West South Central	1	1	9.1%	0	0				0		1
Arkansas	0	•	9.1%	0	0				0		0
Louisiana	0	0		0	0		0		0		<u> </u>
Oklahoma	1	1	9.1%	0	0	-	0	-	0		1
Texas	0	0	3.170	0	0		0		0		0
Mountain	NM	0	NM	0	0		0		0		0
Arizona	0		14101	0	0		0		0		0
Colorado	0			0	0				0		0
Idaho	0			0	0		0	_	0		0
Montana Montana	0			0	0		0		0		0
	0			0	0						0
Nevada	0	0		0	0		0		0		0
New Mexico	ŭ		 N18.4				0				0
Utah	NM 0	0	NM	0	0		0	_	0	0	0
Wyoming Pacific Continuous	Ü		45.004					-			0
Pacific Contiguous	53	63	-15.0%	0	0		63		0		0
California	34	43	-23.0%	0	0		43		0		0
Oregon	7	7	0.7%	0	0		7	0	0	0	0
Washington	12	12	1.1%	0	0		12		0		0
Pacific Noncontiguous	31	36	-14.0%	0	0	0	0	31	36		0
Alaska	0	0		0	0				0		0
Hawaii	31	36	-14.0%	0	0	0	0	31	36	0	0
U.S. Total	1,287	1,288	0.0%	31	28	1,064	1,064	192	194		

Table 2.12.B. Consumption of Biogenic Municipal Solid Waste Gas for Electricity Generation by State, by Sector, Year-to-Date through January 2015 and January 2014 (Thousand Tons)

					Electric Po	wer Sector					
Census Division						Independ					
and State	January 2015	All Sectors January 2014	Davaantama	Electric	Utilities	Prod	ucers	Commerce January 2015	ial Sector	Industria	I Sector
	YTD	YTD	Change	YTD	YTD	YTD	January 2014 YTD	YTD	YTD	YTD	YTD
New England	307	307	0.1%	0	0	284	285	23	22	0	0
Connecticut	108	115	-6.0%	0	0		108		6	0	0
Maine	24	24	2.3%	0	0		8		16	0	0
Massachusetts	164	157	4.2%	0	0		157	0	0	0	0
New Hampshire	11	11	0.5%	0	0		11	0	0	0	0
Rhode Island	0	0		0	0		0		0	0	0
Vermont	0	0		0	0		0		0	0	0
Middle Atlantic	417	383	8.7%	0	0		296		88	0	0
New Jersey	107	106	0.9%	0	0		77	30	29	0	0
New York	155	145	6.8%	0	0		107	38	37	0	0
Pennsylvania	155	133	17.0%	0	0		112	20	21	0	0
East North Central	19	18	7.1%	3	2		0		16	0	0
Illinois	0	0		0	0				0	0	0
Indiana	1	1	-8.2%	0	0		0		1	0	0
Michigan	15	15	4.0%	0	0		0	15	15	0	0
Ohio	0	0		0	0				0	0	0
Wisconsin	3	2	35.0%	3	2				0	0	0
West North Central	45	43	3.8%	28	26				2	0	0
lowa	0	0		0	0				0	0	0
Kansas	0	0		0	0				0	0	0
Minnesota	45	43	3.8%	28	26	15	15		2	0	0
Missouri	0	0		0	0	0			0	0	0
Nebraska	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	0
South Atlantic	415	437	-5.0%	0	0	383	406	31	31	0	0
Delaware	0	0		0	0				0	0	0
District of Columbia	0	0		0	0				0	0	0
Florida	268	288	-6.9%	0	0		288	0	0	0	0
Georgia	0	0		0	0	0	0	0	0	0	0
Maryland	60	61	-1.2%	0	0		61	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
Virginia	86	88	-1.5%	0	0	55	57	31	31	0	0
West Virginia	0	0		0	0				0	0	0
East South Central	0	0		0	0	0			0	0	0
Alabama	0	0		0	0				0	0	0
Kentucky	0	0		0	0				0	0	0
Mississippi	0	0		0	0				0	0	0
Tennessee	0	0		0	0	0	0	0	0	0	0
West South Central	1	1	9.1%	0	0	0	0	0	0	1	1
Arkansas	0	0		0	0	0			0	0	0
Louisiana	0	0		0	0				0	0	0
Oklahoma	1	1	9.1%	0	0				0	1	1
Texas	0	0		0	0		0	0	0	0	0
Mountain	NM	0	NM	0	0	NM	0		0	0	0
Arizona	0	0		0	0				0	0	0
Colorado	0	0	-	0	0				0	0	0
Idaho	0	0		0	0		0	0	0	0	0
Montana	0	0		0	0		0	0	0	0	0
Nevada	0	0		0	0		0		0	0	0
New Mexico	0	0		0	0		0		0	0	0
Utah	NM	0	NM	0	0		0		0	0	0
Wyoming	0	0		0	0		0		0	0	0
Pacific Contiguous	53	63	-15.0%	0	0	53	63	0	0	0	0
California	34	43	-23.0%	0	0		43	Ü	0	0	0
Oregon	7	7	0.7%	0	0		7		0	0	0
Washington	12	12	1.1%	0	0		12	ŭ	0	0	0
Pacific Noncontiguous	31	36	-14.0%	0	0		12		36	0	
Alaska	0	0	14.070	0	0	,			0	0	0
Hawaii	31	36	-14.0%	0	0		0		36	0	0
U.S. Total	1,287	1,288	0.0%	31	28	1,064	1,064	192	194		

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 2005 - January 2015

Table 3.1. Stocks		lectric Power Sector		_1004101 0W61 06	Electric Utilities	ury 2010	11		
	<u> </u>	lectric Power Sector	'		Petroluem		Indep	pendent Power Produ Petroluem	cers
		Liquids	Petroleum		Liquids	Petroleum		Liquids	Petroleum
	Coal	(Thousand	Coke	Coal	(Thousand	Coke	Coal	(Thousand	Coke
Period	(Thousand Tons)	Barrels)	(Thousand Tons)	(Thousand Tons)	Barrels)	(Thousand Tons)	(Thousand Tons)	Barrels)	(Thousand Tons)
End of Year Stocks		1			,	,			
2005	101,137	47,414	530	77,457	29,532	374	23,680	17,882	156
2006	140,964	48,216	674	110,277	29,799	456	30,688	18,416	217
2007	151,221	44,433	554	120,504	28,032	253	30,717	16,401	301
2008	161,589	40,804	739	127,463	26,108	468	34,126	14,696	270
2009	189,467	39,210	1,394	154,815	25,811	1,194	34,652	13,399	201
2010	174,917	35,706	1,019	143,744	24,798	850	31,173	10,908	168
2011	172,387	34,847	508	142,103	25,648	404	30,284	9,198	104
2012	185,116	32,224	495	150,942	23,875	414	34,174	8,349	81
2013	147,884	31,673	390	120,792	22,494	303	27.092	9,179	86
2014	151,362	32,139	847	116,774	21,396	705	34,588	10,743	142
2013, End of Month S		,	<u> </u>	,			- 1,000	,	
January	178,859	31,314	442	145,550	23,442	358	33,309	7,872	84
February	175,565	31,205	442	144,081	23,182	362	31,484	8,023	81
March	171,736	32,199	407	141,891	23,917	323	29,845	8,281	84
April	173,014	31,569	456	143,082	23,399	387	29,933	8,169	69
Mav	177,174	31,494	443	144.824	23,305	348	32,350	8,189	96
June	171,124	31,313	408	139,705	23,148	303	31,418	8,165	105
July	160.019	30,804	394	131,967	22,770	279	28.053	8.034	115
August	154,567	31,436	260	127,153	23,070	183	27,414	8,366	77
Sept	152,694	31,428	309	125,579	22,618	191	27,115	8,811	118
October	154,194	31,771	291	125,616	22,696	214	28,578	9,075	77
November	156,249	32,620	338	126,611	22,827	250	29,638	9,793	88
December	147,884	31,673	390	120,792	22,494	303	27,092	9,179	86
2014, End of Month S		01,010	000	120,102	LL, 10 1	000	27,002	0,110	
January	133.647	27,141	298	107.614	20,386	216	26.033	6.756	82
February	119,885	28,477	276	96,427	20,573	202	23,458	7,904	74
March	118,305	28,338	349	95,065	20,831	282	23.241	7,506	67
April	128,883	28,596	514	102,826	20,971	451	26,057	7,625	63
May	136,474	28,233	457	107,267	20,687	374	29,207	7,545	83
June	132,879	28,470	410	103,168	20,707	356	29,711	7,763	54
July	125,240	27,813	381	97,031	20,080	300	28,209	7,734	81
August	120,709	27,900	388	92,607	20,192	289	28,103	7,708	99
Sept	123,814	28,176	389	95,465	20,180	297	28,349	7,995	92
October	135,709	29,148	510	104,699	20,515	394	31,010	8,633	116
November	141,309	30,857	640	109,757	20,759	510	31,552	10,098	130
December	151,362	32,139	847	116,774	21,396	705	34,588	10,743	142
2015, End of Month S		52,159	047	110,774	21,390	703	54,500	10,745	142
January	155,115	31,575	924	119,871	21,098	774	35,244	10,477	150

Notes: See Glossary for definitions. Values for 2013 and prior years are final. Values for 2014 and 2015 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, January 2015 and 2014

and State	(Thousand Tons)	Davaantassa		etroleum Liquid housand Barrel	s)		Petroleum Coke Thousand Tons)
	January 2015	January 2014	Percentage Change	January 2015	January 2014	Percentage Change	January 2015	January 2014	Percentage Change
New England	1,324	1,117	19.0%	4,517	2,109	114.0%	0	0	
Connecticut	W	W	W	1,402	725	93.0%	0	0	
Maine	0	0		W	W	W	0	0	
Massachusetts	W	524	W	1,847	841	120.0%	0	0	
New Hampshire	W	W	W	W	W	W	0	0	
Rhode Island	0	W	W	W	W	W	0	0	
Vermont	0	0		31	40	-24.0%	0	0	
Middle Atlantic	7,887	5,471	44.0%	5,607	3,603	56.0%	W	W	W
	988	964		780	614	27.0%	0	0	VV
New Jersey	730	237	2.5% 208.0%	3,529	2,402		0	0	-
New York	6,169	4,271	44.0%	1,297	587	47.0% 121.0%	W	W	W
Pennsylvania									215.0%
East North Central	34,149	23,570	45.0%	1,171	1,221	-4.1%	280	89	
Illinois	8,245	5,961	38.0%	100	140	-29.0%	0	0	
Indiana	9,471	6,841	38.0%	135	112	21.0%	W	0	W
Michigan	6,467	4,731	37.0%	330	389	-15.0%	W	W	W
Ohio	6,354	3,539	80.0%	368	347	5.9%	W	W	W
Wisconsin	3,611	2,498	45.0%	238	233	2.4%	W	W	W
West North Central	21,568	21,767	-0.9%	1,122	1,104	1.6%	0	0	
lowa	3,723	6,441	-42.0%	151	157	-3.9%	0	0	
Kansas	3,181	3,274	-2.8%	114	131	-13.0%	0	0	
Minnesota	2,738	1,548	77.0%	140	141	-0.6%	0	0	
Missouri	6,882	6,546	5.1%	411	286	44.0%	0	0	-
Nebraska	W	2,455	W	199	265	-25.0%	0	0	
North Dakota	1,774	W	W	41	49	-15.0%	0	0	
South Dakota	W	W	W	66	75	-12.0%	0	0	
South Atlantic	29,865	27,548	8.4%	12,029	11,208	7.3%	W	W	W
Delaware	25,665 W	27,040 W	W.470	326	271	20.0%	0	0	
Delaware	VV	**	**	320	2/1	20.078	0	0	-
District of Columbia	0	0		0	0		0	0	
Florida	w	W	W	5,784	6,305	-8.3%	W	w	W
Georgia	5,850	6,505	-10.0%	914	862	6.0%	0	0	
Maryland	1,779	973	83.0%	766	523	47.0%	0	0	
North Carolina	6,723	4,455	51.0%	1,220	948	29.0%	0	0	
South Carolina	4,182	4,635	-9.8%	655	518	26.0%	0	0	
	1,390	1,083	28.0%	2,193	1,631	34.0%	0	0	
Virginia							_		
West Virginia	4,144	4,848	-15.0%	171	151	13.0%	W	W	W
East South Central	16,953	14,609	16.0%	1,988	1,867	6.5%	W	W	W
Alabama	4,434	3,919	13.0%	260	281	-7.6%	0	0	
Kentucky	8,175	6,526	25.0%	260	255	2.1%	W	W	W
Mississippi	1,003	1,182	-15.0%	580	581	-0.2%	0	0	
Tennessee	3,341	2,982	12.0%	889	751	18.0%	0	0	
West South Central	24 720	22,967	7 70/	2,014	2 272	-11.0%	W	W	W
West South Central	24,729		7.7%		2,273				
Arkansas	3,611	3,183	13.0%	180	230	-22.0%	0	0	
Louisiana	3,387	3,650	-7.2%	501	636	-21.0%	W	W	W
Oklahoma	3,495	3,247	7.6%	W	W	W	0	0	
Texas	14,235	12,886	10.0%	W	W	W	0	0	
Mountain	17,070	15,361	11.0%	653	910	-28.0%	W	W	W
Arizona	2,966	2,648	12.0%	151	185	-18.0%	0	0	
Colorado	4,591	3,649	26.0%	225	242	-7.0%	0	0	
Idaho	0	0		W	W	W	0	0	
Montana	W	W	W	W	17	W	W	W	W
Nevada	1,179	552	113.0%	NM	179	NM	0	0	
New Mexico	W	W	W	W	W	W	0	0	
Utah	2,933	3,695	-21.0%	W	W	W	0	0	-
Wyoming	3,396	2,886	18.0%	37	39	-3.7%	0	0	
Pacific Contiguous	W	W	W	348	388	-10.0%	0	W	W
California	0	W	W	169	209	-19.0%	0	W	W
Oregon	w	W	W	W	W	W	0	0	
Washington	W	W	W	W	W	W	0	0	
Pacific	***	**	**	VV	**	**	0		
Noncontiguous	w	W	w	2,127	2,459	-13.0%	0	0	
Alaska	0	W	W	27	250	-89.0%	0	0	
	w	W	W	2,100	2,208	-4.9%	0	0	
Hawaii	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 Displayed values of zero may represent small values that Touriu to Zero. The EASE VERSION of the State Production individual cells.

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

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

Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Divison, January 2015 and 2014

	E	lectric Power Secto	r	Electric	Utilities	Independent Po	wer Producers
Census Division	January 2015	January 2014	Percentage Change	January 2015	January 2014	January 2015	January 2014
Coal (Thousand Tons)							
New England	1,324	1,117	18.6%	W	W	W	W
Middle Atlantic	7,887	5,471	44.2%	0	0	7,887	5,471
East North Central	34,149	23,570	44.9%	24,946	17,642	9,202	5,928
West North Central	21,568	21,767	-0.9%	21,568	21,767	0	0
South Atlantic	29,865	27,548	8.4%	25,438	24,531	4,427	3,017
East South Central	16,953	14,609	16.0%	16,953	14,609	0	0
West South Central	24,729	22,967	7.7%	13,992	13,585	10,737	9,382
Mountain	17,070	15,361	11.1%	15,781	W	1,289	W
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	0	W	W	W
U.S. Total	155,115	133,647	16.1%	119,871	107,614	35,244	26,033
Petroleum Liquids (Thousand Bar	rels)						
New England	4,517	2,109	114.2%	854	276	3,663	1,833
Middle Atlantic	5,607	3,603	55.6%	1,974	1,424	3,633	2,179
East North Central	1,171	1,221	-4.1%	W	W	W	W
West North Central	1,122	1,104	1.6%	1,096	1,086	26	18
South Atlantic	12,029	11,208	7.3%	9,876	9,515	2,153	1,693
East South Central	1,988	1,867	6.5%	W	W	W	W
West South Central	2,014	2,273	-11.4%	W	W	W	W
Mountain	653	910	-28.2%	W	W	W	W
Pacific Contiguous	348	388	-10.2%	252	W	97	W
Pacific Noncontiguous	2,127	2,459	-13.5%	W	W	W	W
U.S. Total	31,575	27,141	16.3%	21,098	20,386	10,477	6,756
Petroleum Coke (Thousand Tons)							
New England	0	0		0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	280	89	214.8%	W	W	W	W
West North Central	0	0		0	0	0	0
South Atlantic	W	W	W	W	W	W	W
East South Central	W	W	W	W	W	0	0
West South Central	W	W	W	W	W	0	0
Mountain	W	W	W	0	0	W	W
Pacific Contiguous	0	W	W	0	0	0	W
Pacific Noncontiguous	0	0		0	0	0	0
U.S. Total	924	298	210.1%	W	216	W	82

| U.S. Total | 924 | 298 | 210.1% | W |
W = Withheld to avoid disclosure of individual company data.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

Table 2.4. Stocks of Coal by Coal Bank: Flootric Bower Sector, 2005 - January 2015

		Electric Power Sec	tor	
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Tota
End of Year Stocks	<u> </u>	<u> </u>	<u> </u>	
2005	52,923	44,377	3,836	101,137
2006	67,760	68,408	4,797	140,96
2007	63,964	82,692	4,565	151,22
2008	65,818	91,214	4,556	161,58
2009	91,922	92,448	5,097	189,46
2010	81,108	86,915	6,894	174,91
2011	82,056	85,151	5,179	172,38
2012	86,437	93,833	4,846	185,11
2013	73,113	69,720	5,051	147,88
2014	72,580	72,699	6,083	151,36
2013, End of Month Stocks	<u> </u>		<u>.</u>	
January	83,501	90,693	4,664	178,85
February	81,835	89,227	4,504	175,56
March	80,528	86,416	4,792	171,73
April	82,756	85,182	5,076	173,01
May	84,487	86,439	6,248	177,17
June	82,016	82,922	6,186	171,12
July	75,887	78,372	5,760	160,01
August	73,002	75,970	5,595	154,56
Sept	72,121	75,001	5,571	152,69
October	74,079	74,620	5,496	154,19
November	75,232	75,683	5,334	156,24
December	73,113	69,720	5,051	147,88
2014, End of Month Stocks	<u> </u>	<u> </u>	<u>.</u>	
January	63,026	65,238	5,382	133,64
February	55,476	58,960	5,449	119,88
March	54,643	58,201	5,462	118,30
April	59,931	62,873	6,079	128,88
May	63,227	66,882	6,365	136,47
June	62,063	64,339	6,477	132,87
July	59,524	59,438	6,278	125,24
August	59,489	54,719	6,501	120,70
Sept	62,310	55,377	6,127	123,81
October	68,285	61,269	6,155	135,70
November	69,703	65,965	5,641	141,30
December	72,580	72,699	6,083	151,36
2015, End of Month Stocks			*	· · · · · · · · · · · · · · · · · · ·
January	70,361	79,167	5,587	155,11

Notes: See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 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), 2005 - January 2015

Table 4.1. Red	eipts, Average	COSI, and G	Co		I (All Sectors)	, 2005 - Janua	1y 2015		Petroleun	a Liquido		
	Recei	nto	Averag				Rece	into	Averag			
	Recei	pts	Averag	e Cost			Rece	ipts	Averag	e Cost		1
			(Dollars	(Dollars	Average Sulfur				(Dollars	(Dollars	Average Sulfur	
	(Billion	(Thousand	per	per	Percent by	Percentage of	(Billion	(Thousand	per	per	Percent by	
Period	Btu)	Tons)	MMBtu)	Ton)	Weight	Consumption	Btu)	Barrels)	MMBtu)	Barrel)	Weight	Consumption
Annual Totals								•	•			
2005	20,647,307	1,021,437	1.54	31.20	0.98	95.9	986,258	157,221	7.59	47.61	0.77	84.7
2006	21,735,101	1,079,943	1.69	34.09	0.97	102.5	406,869	65,002	8.68	54.35	0.73	74.0
2007	21,152,358	1,054,664	1.77	35.48	0.96	98.6	375,260	60,068	9.59	59.93	0.71	62.6
2008	21,280,258	1,069,709	2.07	41.14	0.97	100.5	375,684	61,139	15.52	95.38	0.61	99.6
2009	19,437,966	981,477	2.21	43.74	1.01	102.8	330,043	54,181	10.25	62.47	0.54	104.8
2010	19,289,661	979,918	2.27	44.64	1.16	97.9	275,058	45,472	14.02	84.80	0.51	101.1
2011	18,675,843	956,538	2.39	46.65	1.19	100.0	216,752	36,158	19.94	119.54	0.60	116.1
2012	16,265,578	841,183	2.38	46.09	1.25	99.5	116,937	19,464	21.85	131.28	0.51	75.7
2013	15,906,809	823,222	2.34	45.33	1.29	93.7	123,964	20,413	20.56	124.90	0.46	76.5
2014	16,295,085	836,196	2.37	46.11	1.32	95.8	171,500	28,355	19.88	120.32	0.46	78.0
2013												
January	1,342,301	69,783	2.34	45.09	1.27	90.9	10,766	1,787	21.00	126.64	0.50	52.0
February	1,229,209	63,662	2.34	45.28	1.34	92.7	10,780	1,756	21.02	129.19	0.46	79.8
March	1,291,446	66,546	2.35	45.68	1.34	92.3	14,263	2,321	20.15	123.86	0.46	123.8
April	1,229,373	62,822	2.37	46.51	1.36	100.9	6,131	1,025	21.53	128.84	0.52	53.1
May	1,328,111	68,190	2.37	46.23	1.31	103.1	8,658	1,428	20.70	125.53	0.50	70.1
June	1,319,801	68,294	2.36	45.62	1.26	89.3	7,007	1,170	20.96	125.57	0.50	60.6
July	1,392,487	72,998	2.31	44.14	1.19	86.1	10,748	1,782	20.51	123.69	0.48	64.4
August	1,465,659	76,277	2.33	44.76	1.26	91.4	11,993	1,962	19.70	120.41	0.44	98.8
Sept	1,359,392	70,489	2.35	45.29	1.29	95.1	9,904	1,630	20.17	122.66	0.38	90.9
October	1,318,098	67,874	2.34	45.49	1.33	100.1	10,145	1,675	20.86	126.37	0.43	92.5
November	1,311,392	67,740	2.33	45.11	1.29	100.3	12,818	2,105	20.10	122.51	0.46	111.3
December	1,319,540	68,548	2.34	45.06	1.29	86.8	10,751	1,775	20.95	126.83	0.45	58.5
2014												
January	1,295,172	67,779	2.30	43.90	1.26	79.4	26,893	4,499	21.87	130.83	0.43	38.3
February	1,195,094	61,440	2.33	45.27	1.35	78.9	26,044	4,286	21.60	131.47	0.44	118.5
March	1,374,906	69,853	2.37	46.61	1.35	94.4	15,155	2,507	21.94	132.70	0.44	61.3
April	1,316,053	66,626	2.39	47.21	1.34	111.7	8,946	1,480	21.71	131.19	0.41	86.0
May	1,359,265	69,106	2.40	47.17	1.38	105.5	8,613	1,430	21.19	127.61	0.46	76.2
June	1,342,560	68,561	2.38	46.61	1.36	90.4	9,308	1,541	21.41	129.32	0.45	86.1
July	1,404,470	72,363	2.37	46.03	1.28	87.1	8,413	1,392	21.29	128.63	0.50	70.9
August	1,460,347	74,999 70,587	2.37	46.10 46.25	1.33 1.34	90.8 99.9	9,143 10,201	1,503	20.63 19.67	125.49 119.52	0.51 0.51	72.3 89.4
Sept	1,377,308		2.37					1,683				
October	1,390,364	71,389	2.30	44.86	1.30	113.8	12,820	2,128	18.49	111.48	0.48	122.3
November	1,347,066	69,471	2.30	44.61	1.30	105.1	17,738	2,951	16.52	99.39		150.8
December	1,432,479	74,020	2.51	48.54	1.30	106.9	18,225	2,955	13.91	85.81	0.48	155.2
2015	1 105 100	70 704	0.00	11.10	4.00	00.5	10.010	0.400	10.70	77.00		
January	1,405,183	72,721	2.28	44.12	1.30	99.5	13,249	2,190	12.76	77.20	0.57	55.2
Year to Date	4 040 004	00.700	004	45.00		60.0	40 700	4 707	04.00	400.04	0.50	
2013	1,342,301	69,783	2.34	45.09	1.27	90.9	10,766	1,787	21.00	126.64	0.50	52.0
2014	1,295,172	67,779	2.30	43.90	1.26	79.4	26,893	4,499	21.87	130.83	0.43	38.3
2015	1,405,183	72,721	2.28	44.12	1.30	99.5	13,249	2,190	12.76	77.20	0.57	55.2
	s Ending in Janu			45.5			440.55.1		05 ==1	10		
2014	15,859,681	821,219	2.34	45.24	1.29	92.5	140,091	23,126	20.78	125.93	0.45	66.1
2015	16,405,095	841,137	2.36	46.12	1.33	97.8	157,856	26,046	18.95	114.95	0.47	91.1

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.

see clossary for deninitions.
Values for 2013 and prior years are final. Values for 2014 and 2015 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, sublituminous, 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.

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2005 - January 2015 (continued)

		·	Petroleu		(All Sectors)			,	Natural Gas			All Fossil Fuels
	Recei	pts	Averag	e Cost			Rec	eipts	Averag	e Cost		Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	
Annual Totals		*1	· · · · · · · · · · · · · · · · · · ·			•	•	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · ·	•	· · · · · · · · ·
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	
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	
2012	119,667	4,180	2.24	64.14	5.55	83.3	9,746,691	9,531,389	3.42	3.50	91.9	2.83
2013	132,474	4,660	2.18	61.95	5.41	73.5	8,721,114	8,503,424	4.33	4.44	89.7	
2014	144,694	5,091	1.96	55.81	5.55	87.5	8,671,674	8,423,883	5.00	5.14	89.8	3.32
2013												
January	10,103	355	2.04	58.21	5.61	68.1	676,695	660,645	4.38	4.49	89.1	
February	9,754	343	2.09	59.50	5.40	82.5	607,094	592,786	4.39	4.50	88.9	
March	8,239	290	2.08	59.25	5.47	58.8	649,452	633,519	4.30	4.40	89.2	
April	11,240	396	2.28	64.98	5.35	86.8	609,479	594,620	4.67	4.79	89.3	3.15
May	11,758	412	2.34	66.64	5.37	68.8	665,433	648,152	4.62	4.75	90.4	3.15
June	11,528	407	2.42	68.49	5.07	67.1	782,722	762,845	4.42	4.54	90.6	
July	12,215	428	2.29	65.47	5.44	69.6	949,493	924,645	4.20	4.31	90.0	
August	10,902	381	2.25	64.57	5.38	58.3	940,629	917,829	3.91	4.00	90.4	
Sept	12,370	433	2.17	61.88	5.36	77.7	794,084	774,415	4.08	4.18	90.3	
October	12,201	432	2.13	60.26	5.37	82.8	683,580	666,361	4.11	4.21	89.8	
November	9,653	339	1.91	54.26	5.43	84.7	647,943	631,751	4.19	4.30	89.3	
December	12,511	444	2.02	57.05	5.66	89.4	714,509	695,857	4.91	5.04	88.7	3.26
2014		1										
January	9,894	350	1.80	50.87	5.25	62.5	709,245	691,475	7.04	7.22	89.0	
February	10,083	356	W	W	5.46	75.6	587,376	572,177	7.40	7.59	88.4	1 W
March	12,939	457	2.00	56.64	5.81	84.1	606,222	590,661	6.00	6.15	88.8	
April Mav	12,734	449	2.11 2.18	59.89	5.95	111.9 98.1	593,040	577,655	5.07	5.20 5.07	89.1	
- 7	12,593	446	2.18	61.41 58.67	5.55 5.77	82.2	691,105	672,102	4.93		90.5	
June July	11,435 11,392	400 399	1.88	58.67	5.77	74.9	766,138 886,181	744,633 860,304	4.83	4.97 4.57	90.8	
August	12,517	439	1.88	55.68	5.51	81.1	943,735	915,459	4.43	4.57	90.8	
Sept	11,559	439	1.95	54.12	5.43	79.6	811,708	786,977	4.12	4.24	90.0	
October	10,797	381	1.77	50.25	5.31	111.4	743,322	720,648	4.10	4.23	89.8	
November	11,980	421	1.84	52.32	5.45	100.9	646,732	626,919	4.48	4.62	89.0	
December	16,770	587	1.98	56.64	5.40	105.0	686,870	664,873	4.35	4.49	89.3	
2015	10,770	307	1.50	30.04	3.40	103.0	000,070	004,073	4.55	4.43	05.0	5.14
January	13,724	484	2.03	57.48	5.23	93.8	754,341	730,694	4.10	4.23	88.7	2.92
Year to Date	13,724	404	2.03	37.40	3.23	33.0	104,041	730,694	4.10	4.23	00.7	2.92
2013	10,103	355	2.04	58.21	5.61	68.1	676,695	660,645	4.38	4.49	89.1	3.08
2014	9,894	350	1.80	50.87	5.25	62.5	709,245	691,475	7.04	7.22	89.0	
2015	13,724	484	2.03	57.48	5.23	93.8	754,341	730,694	4.10	4.23	88.7	
Rolling 12 Month			2.00	57.40	5.20	30.0	701,041	, 55,054	4.10	1.20		2.02
2014	132,264	4,655	2.16	61.36	5.38	73.0	8,753,663	8,534,254	4.54	4.66	89.7	3.17
2015	148,525	5,225	W	W	5.54	90.5	8,716,770	8,463,102	4.74	4.88	89.8	

Notes:

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

See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary.

values for 2013 and prior years are final. Values for 2014 and 2015 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.

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2005 - January 2015

	eipts, Average	,	Co		<u> </u>				Petroleur	n Liquids		
	Recei	pts	Average	e Cost			Rece	eipts	Averag	e Cost		
Period	(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	45.000.004	775 000	4.50	04.00	201	404.0	500.000	20.000	7.17	45.40	0.00	20.0
2005 2006	15,836,924 16,197,852	775,890 797,361	1.53 1.69	31.22 34.26	0.94 0.92	101.9 105.8	566,320	89,303 42,415	7.17 8.33	45.46 52.80	0.89	90.9 79.2
		767,377	1.78	34.26	0.92	100.8	269,033		9.24		0.82	79.2 59.8
2007 2008	15,561,395 15,347,396	764,399	2.06	41.32	0.92	100.3	216,349 240,937	34,026 38,891	15.83	58.73 98.09		99.7
2008	15,347,396	764,399	2.06	41.32	0.93	100.5	240,937	38,891	15.83	98.09 64.18	0.60	103.5
2009	14,226,995	713,094	2.27	45.33	1.14	98.8	189,790	31,099	13.94	85.07	0.31	103.3
2010	13,871,559	699,353	2.27	45.33	1.14	101.5	144,255	23,859	20.30	122.72	0.48	111.0
2011	11,939,543	609,445	2.40	47.51	1.18	99.0	86,030	14,252	20.30	133.44	0.53	81.3
2012	11,595,328	592,772	2.43	46.51	1.18	99.0	78,101	12,814	21.09	128.57	0.41	76.2
2013	11,995,328	607,877	2.38	47.31	1.23	92.9	99,044	16,281	19.91	128.57		80.6
2014	11,991,091	607,677	2.40	47.31	1.20	95.0	99,044	10,201	19.91	121.10	0.44	00.0
January	966,431	49,719	2.37	46.15	1.18	89.3	7,473	1,239	21.08	127.15	0.41	68.5
February	899,054	45,989	2.38	46.62	1.26	93.8	6,220	1,009	21.34	131.57	0.40	78.9
March	948,352	48,339	2.37	46.58	1.27	92.9	9,929	1,608	20.43	126.13	0.45	120.6
April	904,409	45,784	2.41	47.65	1.28	100.5	3,831	638	21.99	131.94	0.45	47.8
May	958,782	48,775	2.40	47.27	1.23	100.9	6,010	987	20.90	127.33	0.47	69.5
June	965,951	49,292	2.39	46.90	1.21	88.0	4,713	786	21.31	127.71	0.43	59.5
July	1,031,429	53,206	2.34	45.37	1.16	86.7	7,153	1,184	20.82	125.77	0.44	68.4
August	1,071,201	54,959	2.37	46.16	1.21	89.5	8,382	1,353	19.78	122.55	0.45	96.5
Sept	974,613	49,808	2.38	46.62	1.22	93.8	4,882	795	21.67	132.98	0.34	68.0
October	956,973	48,754	2.37	46.45	1.27	98.7	6,139	1,011	21.98	133.43	0.40	81.1
November	958,575	49,043	2.36	46.21	1.22	98.8	6,313	1,037	21.61	131.57	0.41	79.5
December	959,557	49,103	2.37	46.32	1.23	86.5	7,055	1,166	21.58	130.56	0.43	79.2
2014												
January	926,991	47,962	2.31	44.60	1.18	76.9	12,038	2,017	21.73	129.71	0.32	42.5
February	863,997	43,905	2.33	45.93	1.28	78.2	12,405	2,045	21.75	132.02	0.49	107.8
March	989,078	49,867	2.38	47.17	1.30	94.3	9,000	1,475	21.54	131.41	0.39	76.4
April	953,528	47,782	2.41	48.20	1.28	113.2	6,706	1,101	21.74	132.38	0.36	88.4
May	996,345	50,122	2.42	48.21	1.32	104.6	5,373	895	21.89	131.40	0.34	67.9
June	992,039	49,981	2.40	47.74	1.29	88.2	6,342	1,050	21.67	130.93	0.34	87.2
July	1,048,298	53,172	2.40	47.43	1.22	86.7	5,999	988	21.28	129.22	0.47	73.5
August	1,090,914	55,193	2.41	47.56	1.27	90.1	6,888	1,124	20.62	126.42	0.50	81.4
Sept	1,034,229	52,306	2.41	47.59	1.27	101.6	6,927	1,138	19.90	121.14	0.48	83.9
October	1,040,271	52,787	2.33	45.87	1.26	115.2	6,948	1,150	19.34	117.04	0.48	94.0
November	1,000,204	50,949	2.33	45.73	1.24	107.5	7,528	1,240	17.71	107.59	0.50	97.3
December 2015	1,055,798	53,851	2.61	51.19	1.25	106.1	12,890	2,058	13.23	82.89	0.46	160.7
January	1,047,181	53,698	2.30	44.93	1.25	101.7	8,876	1,461	11.83	71.88	0.57	68.7
Year to Date					1						,	
2013	966,431	49,719	2.37	46.15	1.18	89.3	7,473	1,239	21.08	127.15	0.41	68.5
2014	926,991	47,962	2.31	44.60	1.18	76.9	12,038	2,017	21.73	129.71	0.32	42.5
2015	1,047,181	53,698	2.30	44.93	1.25	101.7	8,876	1,461	11.83	71.88	0.57	68.7
	s Ending in Janu											
2014	11,555,888	591,015	2.37	46.38	1.23	91.6	82,667	13,593	21.19	128.87	0.41	68.8
2015	12,111,882	613,613	2.40	47.31	1.27	97.9	95,882	15,725	18.93	115.48	0.46	89.4

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.

see clossary for deninitions.
Values for 2013 and prior years are final. Values for 2014 and 2015 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, sublituminous, 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.

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2005 - January 2015 (continued)

		·	Petroleu	m Coke	tric Utilities, 2			,	Natural Gas			All Fossil Fuels
	Recei	pts	Averag	e Cost			Rec	eipts	Averag	e Cost		Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	
Annual Totals			- 1									
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	
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	
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	
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	
2013	99,088	3,463	2.11	60.30	5.34	101.6	3,939,408	3,851,241	4.49	4.59	97.0	
2014	123,793	4,349	1.89	53.77	5.56	129.6	3,714,733	3,614,573	5.16	5.30	97.1	3.14
2013												
January	6,816	237	1.97	56.67	5.52	93.7	308,726	302,282	4.35	4.44	97.5	
February	7,272	254	2.05	58.54	5.32	115.4	276,355	270,729	4.29	4.38	97.3	
March	5,449	190	2.00	57.27	5.37	80.5	292,291	285,901	4.44	4.54	97.4	
April	8,309	291	2.23	63.79	5.23	133.8	267,830	262,122	4.88	4.99	97.6	
May	8,610	301	2.28	65.22	5.28	83.5	298,278	291,130	4.84	4.96	98.4	3.06
June	8,302	291	2.36	67.19	4.88	83.7	360,943	352,719	4.65	4.75	97.1	
July	9,006	314	2.25	64.47	5.35	93.2	427,831	417,585	4.38	4.48	96.6	
August	7,910	274	2.15	62.01	5.24	82.6	436,060	426,576	4.15	4.24	96.3	2.97
Sept	10,687	373	2.09	59.92	5.32	114.6	360,603	352,812	4.35	4.44	96.7	
October	9,457	333	2.06	58.58	5.37	114.9	309,544	302,556	4.40	4.50	96.9	
November	7,486	262	1.87	53.23	5.41	120.6	281,343	274,910	4.44	4.55	96.6	
December	9,784	343	1.93	54.95	5.75	125.9	319,604	311,919	4.93	5.05	96.3	3.10
2014		1										
January	8,753	309	1.79	50.66	5.22	88.7	308,967	301,902	6.20	6.34	97.7	3.44
February	8,883	312	2.01	57.15	5.47	113.1	247,518	241,777	7.01	7.18	97.3	
March	11,235	396	1.94 2.07	54.97	5.85	119.1	257,997	252,175	5.92	6.06 5.46	98.2 98.3	
April Mav	11,184 10,813	394 383	2.07	58.69 60.11	5.98 5.57	186.0 127.3	256,911 315,637	250,788 307,499	5.33 5.26	5.40	98.3	
June	9,321	325	1.97	56.35	5.85	99.7		307,499	5.26	5.40	96.8	
July	9,321	325	1.97	51.25	5.85	119.2	333,374 374,870	364,240	4.83	4.97	96.8	3.17
August	10,451	365	1.79	52.89	5.70	127.9	407,404	395,736	4.46	4.59	96.4	
Sept	9,844	345	1.81	51.54	5.40	128.7	336,865	326,815	4.63	4.77	95.8	
October	9,240	326	1.65	46.75	5.25	183.7	306,705	297,593	4.56	4.71	96.4	
November	10,079	354	1.70	48.51	5.43	159.9	274,868	266,620	4.75	4.90	97.2	
December	14,294	499	1.90	54.38	5.40	154.9	293,615	284.687	4.60	4.74	97.8	
2015	14,234	433	1.50	34.30	3.40	134.5	293,013	204,007	4.00	4.74	57.0	5.12
January	11,509	404	1.94	55.36	5.21	134.7	324,270	314,575	4.25	4.38	96.2	2 2.81
Year to Date	11,505	404	1.54	33.30	J.Z I	134.7	324,270	314,373	4.23	4.30	30.2	2.01
2013	6,816	237	1.97	56.67	5.52	93.7	308,726	302,282	4.35	4.44	97.5	2.95
2014	8,753	309	1.79	50.66	5.22	88.7	308,967	301,902	6.20	6.34	97.7	
2015	11,509	404	1.94	55.36	5.21	134.7	324,270	314,575	4.25	4.38	96.2	
Rolling 12 Month			7.54	55.50	5.21	.54.7	J. 1,210	0.1,070	1.20	4.50	30.2	2.01
2014	101,025	3,535	2.09	59.70	5.32	100.9	3,939,649	3,850,861	4.64	4.74	97.0	3.03
2015	126,550	4,443	1.90	54.13	5.55	134.4	3,730,036	3,627,246	5.00	5.14	96.9	

Notes:

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

See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary.

values for 2013 and prior years are final. Values for 2014 and 2015 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.

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2005 - January 2015

	ceipts, Average		Co		•	·			Petroleur	n Liquids		
	Recei	ots	Averag	e Cost			Rece	ipts	Averag			
Period	(Billion Btu)	(Thousand	(Dollars per MMBtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)			Percentage of Consumption
Annual Totals	Bitaj	10115)	WIWIDIU)	1011)	Weight	Consumption	Biu)	Darreis)	wiwibtu)	Darrei	Weight	Consumption
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		102.0
2010	4,555,898	243,585	2.20	41.15	1.21	96.0	49,598	8,420	14.80	87.19		89.9
2011	4,292,284	233,295	2.28	41.95	1.25	95.9	41,599	7,096	20.30	119.01	0.50	106.9
2012	4,036,436	218,341	2.21	40.92	1.42	104.9	23,922	4,073	22.34	131.28	0.44	79.8
2013	4,032,431	217,572	2.20	40.95	1.48	99.1	43,432	7,205	19.71	118.88	0.45	110.1
2014	4,096,609	219,181	2.24	41.84	1.49	101.8	70,520	11,760	19.88	119.39	0.45	99.0
2013	.,,	,					,,	,				
January	352,557	18,976	2.21	41.20	1.51	99.1	2,963	495	21.11	126.80	0.54	45.0
February	308,971	16,694	2.18	40.44	1.56	93.3	4,345	712	20.68	126.61	0.51	117.8
March	319,485	17,108	2.24	41.93	1.57	94.1	4,016	661	19.63	119.32	0.41	206.0
April	303,157	16,041	2.21	41.98	1.60	106.6	2,074	350	W	W	0.44	94.2
May	345,413	18,316	2.23	42.25	1.53	113.7	2,404	402	20.48	122.55	0.43	104.1
June	331,183	17,955	2.22	40.98	1.41	95.5	2,048	344	20.51	122.17	0.43	84.9
July	336,772	18,662	2.18	39.50	1.28	86.5	3,386	564	20.03	120.23	0.46	68.0
August	369,852	20,185	2.16	39.71	1.41	99.2	3,449	582	19.54	115.78	0.39	147.1
Sept	361,593	19,609	2.20	40.72	1.48	101.2	4,942	821	18.64	112.29	0.40	180.6
October	338,484	18,086	2.22	41.67	1.47	108.4	3,904	647	19.14	115.55	0.47	175.5
November	328,769	17,596	2.18	40.82	1.50	109.0	6,401	1,051	18.52	113.07	0.49	284.8
December	336,195	18,343	2.20	40.48	1.44	90.2	3,498	576	19.73	119.40	0.43	61.3
2014				U U	U U	U U						
January	350,905	19,050	2.24	41.28	1.46	90.9	14,545	2,432	22.04	132.11	0.46	42.4
February	314,645	16,810	2.27	42.55	1.53	84.6	13,366	2,197	21.48	131.02	0.39	185.0
March	366,874	19,151	2.31	44.21	1.49	100.2	6,040	1,013	22.58	134.67	0.52	62.3
April	345,380	18,077	2.28	43.56	1.48	114.8	2,123	360	21.86	128.91	0.48	122.7
May	346,525	18,254	2.29	43.49	1.55	114.9	3,114	515	20.13	121.81	0.52	150.3
June	334,501	17,873	2.28	42.65	1.53	101.6	2,781	462	21.06	126.86	0.51	133.8
July	338,433	18,407	2.23	40.92	1.45	92.1	2,293	385	21.58	128.67	0.50	95.1
August	351,259	19,006	2.20	40.73	1.49	96.8	2,146	361	W	W	0.49	79.2
Sept	326,150	17,536	2.21	41.14	1.55	100.2	3,143	523	19.18	115.94	0.50	161.2
October	332,719	17,836	2.18	40.69	1.41	116.9	5,736	956	17.56	105.37	0.44	278.5
November	329,754	17,767	2.18	40.50	1.46	104.4	10,062	1,687	15.60	93.15	0.38	403.0
December	359,464	19,414	2.18	40.43	1.44	116.3	5,171	870	15.56	92.53	0.53	217.9
2015												
January	339,916	18,235	2.19	40.87	1.42	98.8	4,214	703	15.13	90.58	0.49	57.3
Year to Date												
2013	352,557	18,976	2.21	41.20	1.51	99.1	2,963	495	21.11	126.80	0.54	45.0
2014	350,905	19,050	2.24	41.28	1.46	90.9	14,545	2,432	22.04	132.11	0.46	42.4
2015	339,916	18,235	2.19	40.87	1.42	98.8	4,214	703	15.13	90.58	0.49	57.3
Rolling 12 Month	ns Ending in Janu	ary										,
2014	4,030,779	217,645	2.20	40.95	1.47	98.3	55,013	9,142	W	W		81.8
2015	4,085,620	218,366	2.23	41.81	1.48	102.6	60,189	10,031	W	W	0.45	136.1

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.

see clossary for deninitions.
Values for 2013 and prior years are final. Values for 2014 and 2015 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, sublituminous, 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.

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2005 - January 2015 (continued)

			Petroleu						Natural Gas			All Fossil Fuels
	Recei	pts	Averag	e Cost			Rec	eipts	Averag	e Cost		Average Cost
	(Billion	(Thousand	(Dollars	per	Average Sulfur Percent by	Percentage of	(Billion		(Dollars	(Dollars	Percentage of	
Period	Btu)	Tons)	MMbtu)	Ton)	Weight	Consumption	Btu)	Mcf)	MMBtu)	Mcf)	Consumption	MMBtu)
Annual Totals 2005	92,706	3,277	0.00	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	0.90 1.07	30.34	5.13	87.1	3,742,865	3,647,102	6.66	6.84	97.4	
2007	56,580	1,994	1.07	28.95	4.88	69.3	4,097,825	3,990,546	6.92	7.11	97.4	
2007	79,122	2,788	1.02	41.85	4.63	98.8	4,097,823	3,956,155	8.93	9.17	100.5	
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	100.7	
2010	33,643	1,175	2.54	72.85	4.55	84.6	4,252,040	4,158,617	4.62	4.72	100.8	
2012	23,024	801	0.82	23.98	5.49	92.1	4,810,553	4,696,637	3.17	3.25	93.8	
2012	16,150	575	W	W	5.39	65.6	4,025,263	3,917,898	4.25	4.36	92.8	
2014	13,781	488	W	W	5.33	70.9	4,236,618	4,111,996	4.92	5.07	92.9	
2013	10,701	.00	•••		0.00	7 0.0	1,200,010	1,111,000	1.02	0.01	02.0	· · · · ·
January	1,444	52	0.00	0.00	5.37	67.8	305,859	297,827	4.59	4.72	92.6	3.29
February	1,424	51	0.00	0.00	5.39	74.3	271,071	264,155	4.73	4.85	91.0	
March	1,474	53	0.00	0.00	5.36	69.9	293,315	285,996	4.36	4.47	92.2	
April	1,507	54	W	W	5.44	76.0	282,900	275,394	4.56	4.68	92.9	
May	1,628	57	W	W	5.43	118.1	304,542	296,100	4.45	4.58	92.9	
June	1,541	54	W	W	5.43	80.3	357,118		4.20	4.32	92.9	
July	1,543	54	W	W	5.37	67.4	457,359	444.633	4.06	4.17	92.9	
August	951	34	W	W	5.36	33.2	439,538	428,028	3.67	3.77	93.5	
Sept	118	4	W	W	5.22	6.1	372,893	362,795	3.83	3.94	93.9	
October	1,492	53	W	W	5.33	73.4	311,285	302,936	3.86	3.96	93.3	
November	1,490	52	0.00	0.00	5.43	77.3	301,695	293,861	4.03	4.14	92.9	
December	1,538	55	W	W	5.42	70.9	327,686	318,797	5.05	5.19	92.4	ı W
2014	•									•		
January	922	33	W	W	5.35	52.1	336,380	327,589	8.51	8.74	92.6	S W
February	1,039	38	0.00	0.00	5.27	60.5	282,563	274,863	8.22	8.45	91.4	5.15
March	1,127	41	W	W	5.47	62.2	284,981	277,149	6.35	6.53	91.8	B W
April	1,047	37	W	W	5.53	57.7	279,495	271,880	4.86	5.00	92.1	
May	1,419	50	W	W	5.35	88.2	317,301	308,271	4.54	4.68	92.5	
June	1,349	47	W	W	5.24	103.8	374,148	363,114	4.47	4.61	93.4	
July	1,124	39	W	W	5.55	68.7	448,710	435,451	4.03	4.15	93.7	
August	1,401	49	W	W	5.39	84.4	473,204	458,695	3.76	3.88	93.9	
Sept	946	33	W	W	5.29	47.9	417,116	404,366	3.77	3.88	93.7	
October	821	29	W	W	5.26	91.0	380,154	368,467	3.63	3.74	93.3	
November	1,066	36	W	W	5.29	87.7	311,963	302,414	4.30	4.43	92.5	
December	1,520	53	W	W	5.10	76.6	330,603	319,737	4.08	4.22	92.8	B W
2015												
January	1,427	52	W	W	5.10	77.4	371,200	359,180	4.07	4.20	93.1	W
Year to Date												
2013	1,444	52	0.00	0.00	5.37	67.8	305,859	297,827	4.59	4.72	92.6	
2014	922	33	W	W	5.35	52.1	336,380	327,589	8.51	8.74	92.6	
2015	1,427	52	2.43	67.25	5.10	77.4	371,200	359,180	4.07	4.20	93.1	V
Rolling 12 Months					1						1	1
2014	15,628	556	W	W	5.39	64.4	4,055,783	3,947,660	4.57	4.70	92.8	
2015	14,286	506	W	W	5.31	73.3	4,271,438	4,143,587	4.53	4.67	93.0	V

Notes:

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

See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary.

values for 2013 and prior years are final. Values for 2014 and 2015 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.

Table 4.4 Receipts Average Cost and Quality of Fossil Fuels: Commercial Sector, 2005 - January 2015

Table 4.4. Rec			Co						Petroleur	n Liquids		
	Recei	ots	Averag	-			Rece	eints	Averag			
	1,000,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7110149	0 0001			11001		7110.48	0 0001		
	(Billion	(Thousand	(Dollars per	, per	Average Sulfur Percent by		(Billion	(Thousand	(Dollars per	, per		
Period	Btu)	Tons)	MMBtu)	Ton)	Weight	Consumption	Btu)	Barrels)	MMBtu)	Barrel)	Weight	Consumption
Annual Totals												
2005	11,081	464	2.57	61.21	2.43	24.2	1,684	289	8.28	48.22		18.3
2006	12,207	518	2.63	61.95	2.51	27.5	798	137	13.50	78.70		15.5
2007	12,419	531	2.67	62.46	2.58	27.6	249	43	14.04	81.93		6.2
2008	43,997	2,009	2.65	58.12	1.73 1.67	99.4	3,800	633	17.84 10.82	107.10	0.37	102.0
2009	41,182 37,778	1,876	2.90 2.82	63.68 61.06	1.07	104.3 101.6	3,517 2,395	583 400	15.24	65.26 91.25		122.1 106.3
2010 2011	37,778	1,747 1,686	2.82	62.24	1.77	101.6	1,959	325	19.67	118.66	0.38	108.0
2011	4,427	1,080	3.41	78.71	2.75	13.2	1,959	43	19.67 W	118.00 W		11.0
2012	3,507	151	3.41 W	78.71 W	3.05	11.2	0	0	VV	VV		0.0
2013	3,746	163	W	W	2.70	12.3	0	0		-		0.0
2014	3,140	103	VV	VV	2.70	12.3	U	U		-		L 0.0
	390	17	w	W	2.99	11.2	0	0			ı	0.0
January February	394	17	W	W	3.07	12.2	0	0		-		0.0
March	489	21	W	W	2.74	16.0	0	0				0.0
April	241	10	W	W	3.04	10.4	0	0				0.0
May	383	17	W	W	2.96	15.8	0	0				0.0
June	355	16	W	W	2.90	15.2	0	0				0.0
July	209	9	W	W	3.41	8.9	0	0				0.0
August	386	17	W	W	2.82	16.3	0	0				0.0
Sept	143	6	W	W	3.37	6.4	0	0				0.0
October	61	3	W	W	3.34	2.9	0	0		-		0.0
November	202	9	W	W	3.52	7.9	0	0				0.0
December	254	11	W	W	3.45	8.6	0	0				0.0
2014			•••									
January	400	18	W	W	3.06	12.0	0	0				0.0
February	407	18	W	W	2.91	12.4	0	0				0.0
March	452	20	W	W	2.72	14.1	0	0		-		0.0
April	364	15	W	W	1.91	13.5	0	0		-		0.0
May	475	21	W	W	2.54	22.5	0	0				0.0
June	116	5	W	W	2.88	5.7	0	0				0.0
July	261	11	W	W	2.52	11.4	0	0				0.0
August	159	7	W	W	2.96	7.5	0	0				0.0
Sept	306	13	W	W	2.56	14.9	0	0				0.0
October	313	14	W	W	2.72	15.7	0	0				0.0
November	229	10	W	W	3.00	8.8	0	0		-		0.0
December	264	12	W	W	2.96	9.6	0	0		-		0.0
2015	•	•										
January	272	12	W	W	2.97	9.3	0	0				0.0
Year to Date	•	•										
2013	390	17	W	W	2.99	11.2	0	0				0.0
2014	400	18	W	W	3.06	12.0	0	0				0.0
2015	272	12	W	W	2.97	9.3	0	0		-		0.0
Rolling 12 Months	s Ending in Janu	ary										
2014	3,517	152	W	W	3.06	11.2	0	0				0.0
2015	3,618	157	W	W	2.68	12.0	0	0				0.0

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.

see clossary for deninitions.
Values for 2013 and prior years are final. Values for 2014 and 2015 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, sublituminous, 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.

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2005 - January 2015 (continued)

	1	,,	Petroleu		imerical Secto	, = , , , , , , , , , , , , , , , , , ,	, (Natural Gas			All Fossil Fuels
	Recei	pts	Averag	e Cost			Reco	eipts	Averag	e Cost		Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	
Annual Totals												
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	
2008	370	14	2.14	58.36	5.53	135.3	71,670	69,877	9.01	9.24	105.5	
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	
2013	0	0				0.0	5,497	5,450	W	W	4.6	
2014	0	0				0.0	5,765	5,712	W	W	5.1	W
2013	-1				1							
January	0	0				0.0	330	327	W	W	3.4	
February	0	0				0.0	361 382	357 378	W	W	4.1	W W
March		-							W	W		
April Mav	0	0				0.0	375	371			4.3	
- /	0	0				0.0	467	464	W	W	5.2	
June	0	0				0.0	404	401	W	W	4.2	
July	0	0				0.0	445	440	W	W	3.6	
August	-	-				0.0	414	411	W	W	3.7	W
Sept	0	0				0.0	560	554	W	W	5.4	W
October November	0	0				0.0	633 529	629 524	W	W	6.9 5.7	W W
December	0	0				0.0	529	524 592	W	W	5.7	
	U	U				0.0	599	592	vv	VV	5.5	VV
2014 January	0	0			1	0.0	405	400	W	W	3.7	W
February	0	0				0.0	296	292	W	W	3.7	
March	0	0				0.0	354	349	W	W	3.8	
April	0	0				0.0	439	435	W	W	5.1	
May	0	0				0.0	490	486	w	W	5.7	
June	0	0				0.0	438	435	w	W	5.0	
July	0	0				0.0	475	471	W	W	5.0	
August	0	0				0.0	624	619	w	W	6.3	
Sept	0	0				0.0	553	548	w	W	5.9	
October	0	0				0.0	578	573	w	W	6.1	w
November	0	0				0.0	476	471	w	W	5.1	W
December	0	0				0.0	638	632	w	W		
2015	<u> </u>	٠,				0.0	000	002	**!	**	0.0	**
January	0	0	1			0.0	499	491	W	W	4.8	W
Year to Date	<u> </u>	٠,				0.0	433	+51	**!	**	4.0	· · · · · · · · · · · · · · · · · · ·
2013	0	0	1			0.0	330	327	W	W	3.4	W
2014	0	0				0.0	405	400	w	W	3.7	
2015	0	0				0.0	499	491	w	W	4.8	
Rolling 12 Months		-										
2014	0	0	1			0.0	5,572	5,524	W	W	4.6	W
2015	0	0				0.0	5,860	5,803	W	W	5.2	

Notes:

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

See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 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.

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2005 - January 2015

			Co	al					Petroleur	n Liquids		
	Recei	pts	Averag	e Cost			Rec	eipts	Averag	e Cost		
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)		Average Sulfur Percent by Weight		(Billion Btu)	(Thousand	(Dollars per MMBtu)		Average Sulfur Percent by Weight	Percentage of Consumption
Annual Totals	202 202	40.044	4.04	44.47	4.40	24.0	00.000	5.070	0.04	44.40	100	
2005 2006	339,968 320,640	16,011 15,208	1.94	41.17 42.76	1.42 1.47	61.9 60.2	36,383	5,876 3,214	6.64 7.57	41.13 45.95	1.36 1.30	26.4 21.2
2007	303,091	13,540	2.03 2.20	42.76	1.47	60.2	19,514 33,637	5,514	8.53	52.06	1.30	38.8
2008 2009	493,724 431,686	22,044 19,661	2.72 2.81	60.96 61.68	1.28 1.22	100.7 99.5	48,822 55,899	7,958 9,232	12.50 9.83	76.69 59.52	1.01 0.83	109.0
2010	468,991	21,492	2.75	60.08	1.26	87.2	33,276		13.21	79.15		125.6
2010	476,108	22,204	2.73	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	17.67 W	104.83 W	1.52	40.8
2012	275,543	12,727	3.02 W	05.24 W	1.32	64.4	2,431	394	18.20	112.29	1.43	15.8
2013	203,039	8,976	W	W	1.54	45.1	1,937	315	18.03	110.83	1.52	11.0
2014	203,039	0,970	VV	VV	1.34	45.1	1,937	313	10.03	110.63	1.52	11.0
January	22,923	1,071	W	W	1.23	60.6	330	53	18.32	113.35	1.58	20.1
February	20,789	962	W	W	1.31	60.2	214	35	18.09	110.29	1.33	15.3
March	23,120	1,078	W	W	1.24	61.7	318		18.11	111.18	1.25	26.9
April	21,566	986	W	W	1.35	63.0	226	36	W	W	1.63	18.6
May	23,533	1,082	W	W	1.31	66.8	244	39	17.85	110.67	1.41	19.2
June	22,312	1,032	W	W	1.18	66.0	246	40	18.19	112.54	1.69	22.2
July	24,077	1,120	W	W	1.29	67.0	208	33	17.37	108.22	1.66	20.8
August	24,220	1,116	W	W	1.30	68.6	161	26	18.55	113.24	1.38	17.0
Sept	23,042	1,066	W	W	1.37	69.7	80	13	18.61	114.88	1.32	8.8
October	22,581	1,031	W	W	1.38	63.7	102	17	19.09	118.20	0.80	10.1
November	23,845	1,092	W	W	1.42	64.9	104	17	19.02	115.77	1.00	9.5
December	23,534	1,091	W	W	1.40	61.8	198	32	18.35	113.33	1.25	7.7
2014												
January	16,877	750	W	W	1.49	40.3	310		19.16	117.73		7.7
February	16,046	707	W	W	1.53	41.5	274	44	20.61	127.88	1.01	13.1
March	18,501	816	W	W	1.62	44.4	115		21.18	130.19	1.11	5.8
April	16,782	751	W	W	1.46	47.8	118		16.98	105.64	1.78	13.3
May	15,920	709	W	W	1.47	43.6	126	20	17.42	107.63	1.81	12.1
June	15,904	703	W	W	1.61	44.8	185	30	18.05	111.09	1.86	15.5
July	17,479	773	W	W	1.49	46.5	121	20	15.79	98.08	1.72	11.7
August	18,015	794	W	W	1.58	47.7	110	18	W	W	1.64	9.4
Sept	16,624 17,061	732 752	W	W	1.47 1.59	45.8 48.0	132 135	22	17.63 16.12	107.87 98.52	1.95 1.65	13.5
October	16,880	745	W	W	1.59	47.0	148	22 25	17.58	105.86	1.00	16.2 11.3
November December	16,952	743	W	W	1.52	47.0	164		17.58	92.18	1.47	15.7
2015	10,952	743	VV	VV	1.52	45.4	104	21	15.14	92.10	1.47	15.7
January	17,813	775	W	W	1.59	46.0	159	26	12.53	76.07	2.04	6.3
Year to Date												
2013	22,923	1,071	W	W	1.23	60.6	330	53	18.32	113.35	1.58	20.1
2014	16,877	750	W	W	1.49	40.3	310		19.16	117.73	1.34	7.
2015	17,813	775	W	W	1.59	46.0	159	26	12.53	76.07	2.04	6.3
Rolling 12 Months	s Ending in Janu	ary							'			
2014	269,497	12,407	W	W	1.33	62.5	2,411	391	W	W	1.38	13.6
2015	203,975	9,001	W	W	1.55	45.7	1,786	291	W	W	1.59	11.1

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.

see clossary for deninitions.
Values for 2013 and prior years are final. Values for 2014 and 2015 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, sublituminous, 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.

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2005 - January 2015 (continued)

	, , , , , , , , , , , , , , , , , , ,		Petroleu		strial Sector,				Natural Gas			All Fossil Fuels
	Recei	pts	Averag	e Cost			Reco	eipts	Averag	e Cost		Average Cost
Period	(Billion Btu)	(Thousand Tons)	(Dollars per MMbtu)	(Dollars per Ton)	Average Sulfur Percent by Weight	Percentage of Consumption	(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	Percentage of Consumption	
Annual Totals												
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	
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	
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		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	
2013	17,236	623	W	W		30.5	750,946	728,835	W	W	62.3	W
2014	7,120	255	W	W	5.89	14.5	714,558	691,601	W	W	61.8	W
2013												
January	1,844	67	2.30	63.72		34.8	61,781	60,209	W	W	60.2	W
February	1,058	38	2.38	65.94	6.03	30.4	59,307	57,544	W	W	64.4	W
March	1,317	47	2.40	67.24	6.03	26.2	63,464	61,243	W	W	63.0	W
April	1,424	51	W	W		30.6	58,374	56,733	W	W	61.4	W
May	1,520	54	W	W		28.5	62,146	60,458	W	W	64.7	W
June	1,686	61	W	W		32.1	64,256	62,350	W	W	65.2	W
July	1,666	59	W	W		30.2	63,859	61,986	W	W	59.3	W
August	2,041	72	W	W		33.2	64,617	62,815	W	W	60.6	W
Sept	1,565	56	W	W		34.3	60,028	58,253	W	W	60.9	W
October	1,252	46	W	W		29.1	62,118	60,239	W	W	63.0	W
November	677	25	2.36	65.25	5.58 5.28	21.5	64,376	62,456	W	W	64.0	
December	1,189	45	W	W	5.28	31.4	66,621	64,548	W	W	61.4	VV
2014	219	0	W	10/	6.07	5.0	63,493	61,584	W	W	59.7	' W
January February	161	8	W	W		5.3 4.4	56,999	55,245	W	W	62.2	. W
March	577	21	W	W		14.5	62,891	55,245 60,988	W	W	62.8	
April	503	18	W	W		14.5	56,195	54,553	W	W	61.2	. W
May	361	13	W	W		13.7	57,677	55,846	W	W	64.2	. W
June	766	27	W	W		23.7	58,178	56,342	W	W	63.2	. W
July	571	20	W	W		10.5	62,126	60,142	W	W	63.2	
August	666	24	w	W		12.3	62,503	60,408	w	W	63.3	W
Sept	769	27	w	W		16.1	57,174	55,248	w	W	59.9	W
October	736	26	w	W		19.8	55,885	54,016	w	W	60.2	W
November	835	31	w	W		20.1	59,425	57,413	w	W	61.2	W
December	956	35	w	W		20.9	62,014	59,817	w	W		
2015	330	55	**1	**	0.54	20.0	02,014	55,017	**1	**	00.2	
January	788	29	W	W	5.74	19.4	58,372	56,448	w	W	56.0	w
Year to Date	700	20	**1	**	0.14	10.4	00,012	30,440	**1	**	50.0	'1
2013	1,844	67	2.30	63.72	6.13	34.8	61,781	60,209	W	W	60.2	. W
2014	219	8	W.	W		5.3	63,493	61,584	w	W	59.7	W
2015	788	29	w	W		19.4	58,372	56,448	w	W	56.0	
Rolling 12 Months				•	3	10.1	,0.2	22,110	**!		00.0	
2014	15,611	564	W	W	5.78	28.2	752,659	730,209	W	W	62.2	. W
2015	7,689	275	w	W		15.7	709,437	686,466	W	W	61.5	

Notes:

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

See Glossary for definitions.

Values for 2013 and prior years are final. Values for 2014 and 2015 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.

Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, January 2015 and 2014

(Thousand Tons)

(Thousand Tons)					Flectric Po	wer Sector					
Census Division											
and State		All Sectors	Percentage	Electric		Independent Po		Commerc		Industria	
	January 2015	January 2014	Change	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014
New England	287	240	20.0%	100	34	182	200	0	0	6	6
Connecticut	0	0		0	0		0	0	0	0	0
Maine	15	16	-6.4%	0	0		9	0	0	6	6
Massachusetts	173	190	-9.0%	0	0		190	0	0	0	0
New Hampshire	100	34	194.0%	100	34	0	0	0	0	0	0
Rhode Island	0	ŭ		0		_	·	0	0		ŭ
Vermont	0	0	-10.0%	0	0		0	0	0	0 46	0
Middle Atlantic	2,804	3,119		0	0		3,082	0	•	_	
New Jersey	112	85	31.0%	0	0		85	0	0	0	0
New York	88	234	-62.0%	0	0		210	0	0	33	24
Pennsylvania	2,605	2,800	-7.0%	•	Ŭ	2,591	2,786	0	0	13	14 239
East North Central	16,270	14,436	13.0%	10,132	8,613	5,891	5,580	1	4	246	
Illinois	5,890	5,432	8.4%	520	449	5,189	4,821	0	0	182	163
Indiana	3,572	2,870	24.0%	3,334	2,663	238	207	0	0	0	0
Michigan	1,700	1,506	13.0%	1,662	1,459 2,465	29	32 520	1 0	4	7 24	11
Ohio	3,131	3,011	4.0%	2,672		435			0		26
Wisconsin	1,978	1,617	22.0% 8.9%	1,944 12.825	1,577	0	0	0	0	33	39 128
West North Central	12,935	11,876		,	11,734	0		11	13	99	-
lowa	1,650	1,626	1.5%	1,553	1,498	0		0	0	97	128
Kansas	1,560	1,780	-12.0%	1,560	1,780	0	0	0	0	0	0
Minnesota	1,850	1,079	72.0%	1,848	1,079	0		0	0	2	0
Missouri	4,368	3,673	19.0%	4,357	3,660	0	0	11	13	0	0
Nebraska	1,158	1,290	-10.0%	1,158	1,290	0	0	0	0	Ū	0
North Dakota	2,136	2,277	-6.2%	2,136	2,277	0	0	0	0	0	0
South Dakota	212	151	41.0%	212	151	Ů	Ü	0	0	v	0
South Atlantic	10,297	8,146	26.0%	8,398	6,154	1,734	1,846	_	0	166	146
Delaware	35	47	-25.0%	0	0	35 0	47	0	0	0	0
District of Columbia	0	ŭ	4.70/	_	0			0	0	0	0
Florida	1,554	1,581	-1.7%	1,554	1,568	0	13	0	0	0	0
Georgia	1,777	1,067	67.0%	1,740	1,035	0	0	0	0	36	31
Maryland	619	683	-9.3%	0	Ů	583	644	0	ŭ	36	39
North Carolina	1,608	872 695	84.0% 56.0%	1,608 1,070	872 683	0	0	0	0	0 16	0
South Carolina	1,086					ő		0	0		12
Virginia	800 2.819	843 2.359	-5.1% 20.0%	690 1.736	759 1,236	77 1.038	53 1.089	0	0	32 45	30 33
West Virginia	7,223	,		6,775	6,365	317	1,089	0	0	132	139
East South Central	1,765	6,778 1,870	6.6% -5.6%	1,765	1,870	317	0	0	0	132	139
Alabama						0	0	0	0	0	0
Kentucky	3,873 547	2,862 421	35.0% 30.0%	3,873 230	2,862 148	317	274	0	0	0	0
Mississippi						317	2/4	0	0	132	
Tennessee West South Central	1,038 13,259	1,625 13,227	-36.0%	906 7,360	1,486	5,892	6,516	0	0	132	139
West South Central	13,259		0.2%	1,431	6,712				0	_	
Arkansas Louisiana	1,599	1,701 897	-6.0% 38.0%	1,431	1,505 362	161 628	196 535	0	0	6	0
Oklahoma	1,236	1,861	38.0%	1,815	1,768	106	93	0	0	0	0
Texas	1,921 8,501	1,861 8,768	-3.0%	1,815 3,504	3,077	4.997	5.691	0	0	0	0
Mountain	8,842	8,994	-3.0%	7,950	8,184	4,997 892	811	0	0	0	0
Arizona	2,035	2,094	-1.7%	2,035	2,094	892	0	0	0	0	0
Colorado	1,584	1,695	-6.5%	1,584	1,695	0		0	0	0	0
Idaho	1,564	0	-0.5%	1,584	0		0	0	0	0	0
Montana	848	735	15.0%	0	0	848	735	0	0	0	0
Nevada	160	269	-41.0%	115	193	44	735	0	0	0	0
New Mexico	976	838	16.0%	976	838	0	0	0	0	0	0
Utah	1,046	948	10.0%	1,046	948	0		0	0	0	0
Utan Wyoming	2,193	2,416	-9.2%	2,193	2,416	0	0	0	0	0	0
	2,193 746		-9.2% -17.0%			512	680	0	0	74	
Pacific Contiguous		901		160	166	512	680	0	0	74	55 55
California	74	55	36.0%	0		0	0		0	74	
Oregon	160	166	-3.4%	160	166	0	Ŭ	0	0	0	0
Washington	512	680	-25.0%	0	0	512	680	0	ŭ		0
Pacific Noncontiguous	57	62	-8.6%	0	0		62	0	0	0	0
Alaska	0	0		0	0			0	0	0	0
Hawaii	57	62	-8.6%	0	0	57	62	0	0	0	0
U.S. Total	72,721	67,779	7.3%	53,698	47,962	18,235	19,050	12	18	775	750

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 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.

Table 4.6.B. Receipts of Coal Delivered for Electricity Generation by State, (Year-to-Date) January 2015 and 2014

(Thousand Tons)

(Thousand Tons)					Electric Po	wer Sector					
Census Division and State		All Sectors		Electric	Utilities	Independent Po	ower Producers	Commerci	al Sector	Industria	
	January 2015 YTD	January 2014 YTD	Percentage Change	January 2015 YTD	January 2014 YTD						
New England	287	240	20.0%	100	34	182	200	0	0	6	6
Connecticut	0	0		0	0	0	0	0	0	0	0
Maine	15	16	-6.4%	0	0	9	9	0	0	6	6
Massachusetts	173	190	-9.0%	0	0	173	190	0	0	0	0
New Hampshire	100	34	194.0%	100	34	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	2,804	3,119	-10.0%	0	0	2,758	3,082	0	0	46	38
New Jersey	112	85	31.0%	0	0	112	85	0	0	0	0
New York	88	234	-62.0%	0	0	55	210	0	0	33	24
Pennsylvania	2,605	2,800	-7.0%	0	0	2,591	2,786	0	0	13	14
East North Central	16,270	14,436	13.0%	10,132	8,613	5,891	5,580	1	4	246	239
Illinois	5,890	5,432	8.4%	520	449	5,189	4,821	0	0	182	163
Indiana	3,572	2,870	24.0%	3,334	2,663	238	207	0	0	0	0
Michigan	1,700	1,506	13.0%	1,662	1,459	29	32	1	4	7	11
Ohio	3,131	3,011	4.0%	2,672	2,465	435	520	0	0	24	26
Wisconsin	1,978	1,617	22.0%	1,944	1,577	0	0	0	0	33	39
West North Central	12,935	11,876	8.9%	12,825	11,734	0	0	11	13	99	128
Iowa	1,650	1,626	1.5%	1,553	1,498	0	0	0	0	97	128
Kansas	1,560	1,780	-12.0%	1,560	1,780	0	0	0	0	0	0
Minnesota	1,850	1,079	72.0%	1,848	1,079	0	0	0	0	2	0
Missouri	4,368	3,673	19.0%	4,357	3,660	0	0	11	13	0	0
Nebraska	1,158	1,290	-10.0%	1,158	1,290	0	0	0	0	0	0
North Dakota	2,136	2,277	-6.2%	2,136	2,277	0	0	0	0	0	0
South Dakota	212	151	41.0%	212	151	0	0	0	0	0	0
South Atlantic	10,297	8,146	26.0%	8,398	6,154	1,734	1,846	0	0	166	146
Delaware	35	47	-25.0%	0	0	35	47	0	0	0	0
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	1,554	1,581	-1.7%	1,554	1,568	0	13	0	0	0	0
Georgia	1,777	1,067	67.0%	1,740	1,035	0	0	0	0	36	31
Maryland	619	683	-9.3%	0	0	583	644	0	0	36	39
North Carolina	1,608	872	84.0%	1,608	872	0	0	0	0	0	0
South Carolina	1,086	695	56.0%	1,070	683	0	0	0	0	16	12
Virginia	800	843	-5.1%	690	759	77	53	0	0	32	30
West Virginia	2,819	2,359	20.0%	1,736	1,236	1,038	1,089	0	0	45	33
East South Central	7,223	6,778	6.6%	6,775	6,365	317	274	0	0	132	139
Alabama	1,765	1,870	-5.6%	1,765	1,870	0	0	0	0	0	0
Kentucky	3,873	2,862	35.0%	3,873	2,862	0	0	0	0	0	0
Mississippi	547	421	30.0%	230	148	317	274	0	0	0	0
Tennessee	1,038	1,625	-36.0%	906	1,486	0	0	0	0	132	139
West South Central	13,259	13,227	0.2%	7,360	6,712	5,892	6,516	0	0	6	0
Arkansas	1,599	1,701	-6.0%	1,431	1,505	161	196	0	0	6	0
Louisiana	1,238	897	38.0%	610	362	628	535	0	0	0	0
Oklahoma	1,921	1,861	3.2%	1,815	1,768	106	93	0	0	0	0
Texas	8,501	8,768	-3.0%	3,504	3,077	4,997	5,691	0	0	0	0
Mountain	8,842	8,994	-1.7%	7,950	8,184	892	811	0	0	0	0
Arizona	2,035	2,094	-2.8%	2,035	2,094	0	0	0	0	0	0
Colorado	1,584	1,695	-6.5%	1,584	1,695	0	0	0	0	0	0
Idaho	0	0		0	0	0	0	0	0	0	0
Montana	848	735	15.0%	0	0	848	735	0	0	0	0
Nevada	160	269	-41.0%	115	193	44	76	0	0	0	0
New Mexico	976	838	16.0%	976	838	0	0	0	0	0	0
Utah	1,046	948	10.0%	1,046	948	0	0	0	0	0	0
Wyoming	2,193	2,416	-9.2%	2,193	2,416	0	0	0	0	0	0
Pacific Contiguous	746	901	-17.0%	160	166	512	680	0	0	74	55
California	74	55	36.0%	0	0	0	0	0	0	74	55
Oregon	160	166	-3.4%	160	166	0	0	0	0	0	0
Washington	512	680	-25.0%	0	0		680	0	0	0	0
Pacific Noncontiguous	57	62	-8.6%	0	0		62	0	0	0	0
Alaska	0	0		0	0		0	0	0	0	0
Hawaii	57	62	-8.6%	0	0	57	62	0	0	0	0
U.S. Total	72,721	67,779	7.3%	53,698	47,962	18.235	19,050	12	18	775	750

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 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.

Table 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, January 2015 and 2014

(Thousand Barrels)

					Electric Power Sector						
Census Division and State		All Sectors	_	Electric	Utilities	Independent Po	ower Producers	Commerc	al Sector	Industrial Sector	
	January 2015	January 2014	Percentage Change	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014
New England	69	441	-84.0%	2	2	67	429	0	0	0	10
Connecticut	6	54	-90.0%	0	0	6		0	0	0	0
Maine	5	14	-66.0%	0	0	5		0	0	0	10
Massachusetts	57	216	-74.0%	0	0	57	216	0	0	0	0
New Hampshire	2	105	-98.0%	2	2	0	103	0	0	0	0
Rhode Island	0	52	-100.0%	0	0	0	52	0	0	0	0
Vermont	0	0		0	0	0		0	0	0	0
Middle Atlantic	678	1,300	-48.0%	380	66	298	1,233	0	0	0	2
New Jersey	10	146	-93.0%	0	0	10	146	0	0	0	0
New York	559	855	-35.0%	380	66	179	788	0	0	0	1
Pennsylvania	110	299	-63.0%	0	0	110	299	0	0	0	1
East North Central	160	310	-48.0%	111	127	43	178	0	0	6	5
Illinois	8	39	-80.0%	2	4	6		0	0	0	0
Indiana	41	24	67.0%	41	24	0	0	0	0	0	0
Michigan	12	26	-52.0%	12	25	0	0	0	0	0	0
Ohio	83	188	-56.0%	41	40	37	143	0	0	5	4
Wisconsin	16	34	-53.0%	15	33	0		0	0	0	1
West North Central	48	72	-33.0%	48	72	0		0	0	0	0
lowa	6	11	-49.0%	6	11	0	0	0	0	0	0
Kansas	10	9	3.0%	10	9	0	0	0	0	0	0
Minnesota	1	18	-93.0%	1	18	0	0	0	0	0	0
Missouri	22	19	11.0%	22	19	0	0	0	0	0	0
Nebraska	0	6	-100.0%	0	6	0	0	0	0	0	0
North Dakota	4	8	-52.0%	4	8	0	0	0	0	0	0
South Dakota	6	1	509.0%	6	1	0	0	0	0	0	0
South Atlantic	365	1,528	-76.0%	203	1,048	141	447	0	0	20	33
Delaware	52	5	868.0%	0	0	52	5	0	0	0	0
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	8	24	-67.0%	8	23	0	2	0	0	0	0
Georgia	74	146	-49.0%	25	80	39	47	0	0	10	19
Maryland	33	314	-89.0%	0	0	33	314	0	0	0	0
North Carolina	94	255	-63.0%	82	244	12	11	0	0	0	0
South Carolina	45	194	-77.0%	38	189	0	0	0	0	7	4
Virginia	44	550	-92.0%	36	485	5	56	0	0	3	10
West Virginia	14	39	-64.0%	14	28	0	12	0	0	0	0
East South Central	107	92	17.0%	100	70	7	22	0	0	0	0
Alabama	29	48	-39.0%	22	26	7	22	0	0	0	0
Kentucky	16	16	0.7%	16	16	0	0	0	0	0	0
Mississippi	2	0		2	0	0	0	0	0	0	0
Tennessee	59	28	116.0%	59	28	0	0	0	0	0	0
West South Central	52	18	184.0%	38	8	14	10	0	0	0	0
Arkansas	5	2	178.0%	0	1	5	1	0	0	0	0
Louisiana	41	3	NM	34	0	7	3	0	0	0	0
Oklahoma	0	0	-100.0%	0	0	0	0	0	0	0	0
Texas	7	13	-49.0%	4	7	3	6	0	0	0	0
Mountain	45	42	8.1%	45	41	0	1	0	0	0	0
Arizona	13	7	101.0%	13	7	0	0	0	0	0	0
Colorado	5	0	NM	5	0	0	0	0	0	0	0
Idaho	0	0		0	0	0	0	0	0	0	0
Montana	0	1	-100.0%	0	0	0	1	0	0	0	0
Nevada	3	1	191.0%	3	1	0	0	0	0	0	0
New Mexico	12	11	12.0%	12	11	0	0	0	0	0	0
Utah	2	8	-71.0%	2	8	0	0	0	0	0	0
Wyoming	9	14	-37.0%	9	14	0	0	0	0	0	0
Pacific Contiguous	0	1	-100.0%	0	0	0	1	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	1	-100.0%	0	0	0		0	0	0	0
Pacific Noncontiguous	665	694	-4.1%	534	583	132	111	0	0	0	0
Alaska	000	094	-4.176	0	0	0	0	0	0	0	0
Hawaii	665	694	-4.1%	534	583	132	111	0	0	0	0
	2,190	4,499	-4.1% -51.0%	1,461	2,017	703	2,432		0	26	50
U.S. Total	2,190	4,499	-51.0%	1,461	2,017	703	2,432	0	0	26	50

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

Table 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) January 2015 and 2014 (Thousand Barrels)

(Thousand Barrels)					Flectric Po	wer Sector					
Census Division											
and State	1	All Sectors		Electric	Utilities	Independent Po	ower Producers	Commerc	ial Sector	Industri	al Sector
	January 2015 YTD	January 2014 YTD	Percentage Change	January 2015 YTD	January 2014 YTD	January 2015 YTD	YTD	January 2015 YTD	January 2014 YTD	January 2015 YTD	YTD
New England	69	441	-84.0%	2	2	67	429	0	0	C	10
Connecticut	6	54	-90.0%	0	0	6		0	0		
Maine	5	14	-66.0%	0	0	5		0	0	С	
Massachusetts	57	216	-74.0%	0	0	57		0	0		
New Hampshire	2	105	-98.0%	2	2	0		0	0	C	
Rhode Island	-	52	-100.0%	0	0				Ů		
Vermont Middle Atlantic	0 678	1,300	-48.0%	380	66	0 298	1,233	0	0		
New Jersey	10	1,300	-93.0%	0	0	10		0			
New York	559	855	-35.0%	380	66	179	788	0	0		
Pennsylvania	110	299	-63.0%	0.00	0	110	299	0	0		
East North Central	160	310	-48.0%	111	127	43	178	0	0		
Illinois	8	39	-80.0%	2	4	6		0	0		
Indiana	41	24	67.0%	41	24	0		0	0	C	C
Michigan	12	26	-52.0%	12	25	0	0	0	0	C	C
Ohio	83	188	-56.0%	41	40	37	143	0	0	5	4
Wisconsin	16	34	-53.0%	15	33	0			0		
West North Central	48	72	-33.0%	48	72	0			0		
Iowa	6	11	-49.0%	6	11	0			0		
Kansas	10	9	3.0%	10	9	0			0		
Minnesota	1	18	-93.0%	1	18	0			0		
Missouri	22	19	11.0%	22	19	0	0		0		
Nebraska	0	6	-100.0%	0	6	0		ū	0	C	
North Dakota South Dakota	6	8	-52.0% 509.0%	6	8	0	0	0	0		
South Atlantic	365	1,528	-76.0%	203	1,048	141	447	0	0	20	,
Delaware	52	1,320	868.0%	0	1,040	52	5	0	0	20	
District of Columbia	0	0		0	0	0			0	_	
Florida	8	24	-67.0%	8	23	0			0		
Georgia	74	146	-49.0%	25	80	39		0	0		19
Maryland	33	314	-89.0%	0	0	33	314	0	0	C	C
North Carolina	94	255	-63.0%	82	244	12	11	0	0	C	C
South Carolina	45	194	-77.0%	38	189	0	0	0	0	7	4
Virginia	44	550	-92.0%	36	485	5		0	0		10
West Virginia	14	39	-64.0%	14	28	0		0	0		
East South Central	107	92	17.0%	100	70	7	22	0	0	C	
Alabama	29	48	-39.0%	22	26	7	22	0	0	С	
Kentucky	16	16	0.7%	16	16	0			0		
Mississippi	2	0	440.00/	2	0	0			0		
Tennessee West South Central	59 52	28 18	116.0% 184.0%	59 38	28	0		0	0		
Arkansas	52	2	178.0%	0	1	5		0	0		
Louisiana	41	3	178.0% NM	34	0	7	3		0		
Oklahoma	0	0	-100.0%	0	0	0			0	,	
Texas	7	13	-49.0%	4	7	3			0		
Mountain	45	42	8.1%	45	41	0	1	0	0	C	C
Arizona	13	7	101.0%	13	7	0	0	0	0	C	C
Colorado	5	0	NM	5	0	0	0	0	0	C	C
Idaho	0	0		0	0	0	0		0		
Montana	0	1	-100.0%	0	0	0	1	0	0		
Nevada	3	1	191.0%	3	1	0			0		
New Mexico	12	11	12.0%	12	11	0			0		
Utah	2	8	-71.0%	2	8	0			0		
Wyoming	9	14	-37.0%	9	14	0			0		
Pacific Contiguous	0		-100.0%	0	0	0		0	0	,	
California	0	0		0	0	0	0		0	0	
Oregon Washington	0	0	-100.0%	0	0	0		0			
Pacific Noncontiguous	665	694	-4.1%	534	583	132		0	0		
Alaska	003	094	7.170	0	0	0	0	0	0		
Hawaii	665	694	-4.1%	534	583	132	111	0	0		
U.S. Total	2,190	4,499	-51.0%	1,461	2,017	703	2,432	0	0		
	_,130	., 100	3070	1,401	_,017	700	2,402		U	20	J

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 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.

Table 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, January 2015 and 2014 (Thousand Tons)

				Electric Power Sector							
Census Division and State		All Sectors		Electric	Utilities	Independent Po	wer Producers	Commerc	ial Sector	Industrial Sector	
	January 2015	January 2014	Percentage Change	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014
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		
Massachusetts	0	0		0	0	0	0				
New Hampshire	0	0		0	0	0	0	0	0		
Rhode Island	0	0		0	0	0	0	0	0		
Vermont	0	0		0	0	0	0		0		
Middle Atlantic	0	0		0	0	0	0				
New Jersey	0	0		0	0	0	0		0		
New York	0	0		0	0	0	0	0	0		
Pennsylvania	0	0		0	0	0	0	0	0		
East North Central	124	126	-1.6%	66	85	52	33	0	0	6	7
Illinois	0	0		0	0	0	0	0	0	0	0
Indiana	41	49	-16.0%	41	49	0	0	0	0	0	0
Michigan	27	35	-22.0%	25	33	2	2	0	0	0	0
Ohio	49	31	57.0%	0	0	49	31	0	0	0	0
Wisconsin	6	10	-38.0%	0	3	0	0				
West North Central	0	0		0	0	0	0	0	0	0	0
lowa	0	0		0	0	0	0				
Kansas	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	162	66	147.0%	139	65	0	0	0	0	22	0
Delaware	0	0		0	0	0	0	0	0	0	0
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	139	65	113.0%	139	65	0	0	0	0	0	0
Georgia	22	0	NM	0	0	0	0	0	0	22	0
Maryland	0	0		0	0	0	0	0	0	0	0
North Carolina	0	0		0	0	0	0	0	0	0	0
South Carolina	0	0		0	0	0	0	0	0	0	0
Virginia	0	0		0	0	0	0	0	0	0	0
West Virginia	0	0		0	0	0	0	0	0	0	0
East South Central	21	20	5.4%	21	20	0	0	0	0	0	0
Alabama	0	0		0	0	0	0	0	0	0	0
Kentucky	21	20	5.4%	21	20	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	177	138	28.0%	177	138	0	0	0	0	0	0
Arkansas	0	0		0	0	0	0	0	0	0	0
Louisiana	177	138	28.0%	177	138	0	0	0	0		
Oklahoma	0	0		0	0	0	0		_	0	
Texas	0	0		0	0	0	0				
Mountain	0	0		0	0	0	0	0	0		
Arizona	0	0		0	0	0	0		0		
Colorado	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		
Nevada	0	0		0	0	0	0	0	0	0	0
New Mexico	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	
Pacific Noncontiguous	0	0		0	0	0	0	0	0	0	0
Alaska	0	0		0	0	0	0				
Hawaii	0	0		0	0	0	0	0	0	0	0
U.S. Total	484	350	38.0%	404	309	52	33	0	0		
J.J. 10tal	404	330	55.078	404	303	32	33	U	U	23	

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 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.

Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) January 2015 and 2014

(Thousand Tons)

Census Division and State New England Connecticut	January 2015 YTD	All Sectors January 2014		Electric	I I CONTROL -	Independent Po					
New England Connecticut		January 2014						Commerci	al Sector	Industria	I Sector
Connecticut	YTD		Percentage	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014
Connecticut		YTD	Change	YTD	YTD	YTD	YTD	YTD	YTD	YTD	YTD
	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	124	126	-1.6%	66	85	52	33	0	0	6	7
Illinois	0	0		0	0	0	0	0	0	0	0
Indiana	41	49	-16.0%	41	49	0	0	0	0	0	0
Michigan	27	35	-22.0%	25	33	2	2	0	0	0	0
Ohio	49	31	57.0%	0	0	49	31	0	0	0	0
Wisconsin	6	10	-38.0%	0	3	0	0	0	0	6	7
West North Central	0	0	-	0	0	0	0	0	0	0	0
lowa	0	0		0	0	0	0	0	0	0	0
Kansas 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	162	66	147.0%	139	65	0	0	0	0	22	0
Delaware	0	0		0	0	0	0	0	0	0	0
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	139	65	113.0%	139	65	0	0	0	0	0	0
Georgia	22	0	NM	0	0	0	0	0	0	22	0
Maryland	0	0		0	0	0	0	0	0	0	0
North Carolina	0	0		0	0	0	0	0	0	0	0
South Carolina	0	0		0	0	0	0	0	0	0	0
Virginia	0	0		0	0	0	0	0	0	0	0
West Virginia	0	0		0	0	0	0	0	0	0	0
East South Central	21	20	5.4%	21	20	0	0	0	0	0	0
Alabama	21	0	 40/	0	0	0	0	0	0	0	0
Kentucky Mississippi	0	20	5.4%	21 0	20	0	0	0	0	0	0
Tennessee	0	0		0	0	0	0	0	0	0	0
West South Central	177	138	28.0%	177	138	0	0	0	0	0	0
Arkansas	0	0	20.070	0	0	0	0	0	0	0	0
Louisiana	177	138	28.0%	177	138	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	0	0		0	0	0	0	0	0	0	0
Arizona	0	0		0	0	0	0	0	0	0	0
Colorado	0	0		0	0	0	0	0	0	0	0
Idaho	0	0		0	0	0	0	0	0	0	0
Montana	0	0		0	0	0	0	0	0	0	0
Nevada	0	0		0	0	0	0	0	0	0	0
New Mexico	0	0		0	0	0	0	0	0	0	0
Utah	0	0		0	0	0	0	0	0	0	0
Wyoming	0	0		0	0	0	0	0	0	0	0
Pacific Contiguous	0	0		0	0	0	0	0	0	0	0
California	0	0		0	0	0	0	0	0	0	0
Oregon 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	484	350	38.0%	404	309	52	33	0	0	29	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 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.

Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, January 2015 and 2014 (Million Cubic Feet)

(Million Cubic Feet)				Electric Power Sector							
Census Division and State		All Sectors		Electric		Independent Po	war Producare	Commerc	ial Sector	Industria	al Sactor
and otate	January 2015	January 2014	Percentage Change	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014
New England	24,772	19,165	29.0%	20	97	24,736	18,693	0	0	17	375
Connecticut	10,433	5,824	79.0%	0	0	10,433	5,824	0	0	0	0
Maine	1,913	2,987	-36.0%	0	0	1,896	2,612	0	0	17	375
Massachusetts	6,603	7,230	-8.7%	19	96	6,584	7,134	0	0	0	0
New Hampshire	3,636	582	525.0%	1	1	3,636	581	0	0	0	0
Rhode Island	2,187	2,542	-14.0%	0	0	2,187	2,542	0	0	0	0
Vermont	0	0		0	0	0	0	0	0	0	0
Middle Atlantic	79,841	69,353	15.0%	8,689	7,050	70,946	62,127	0	0	206	176
New Jersey	17,896	14,308	25.0%	0	0	17,896	14,308	0	0	0	80
New York Pennsylvania	31,093 30,851	28,944 26,101	7.4% 18.0%	8,689	7,050	22,329 30,720	21,815 26,005	0	0	75 131	96
East North Central	53,545	46,366	15.0%	21,520	18,474	30,720	27,253	487	396	460	243
Illinois	5,192	4,327	20.0%	122	175	5,066	4,146	0	0	5	6
Indiana	10,631	9,903	7.4%	8,147	7,230	2,483	2,673	0	0	0	0
Michigan	10,615	11,740	-9.6%	2,919	2,857	7,004	8,463	487	396	206	23
Ohio	19,120	15,907	20.0%	6,649	6,283	12,409	9,585	0	0	62	39
Wisconsin	7,987	4,489	78.0%	3,683	1,929	4,117	2,386	0	0	187	174
West North Central	6,519	8,512	-23.0%	6,001	7,574	459	916	4	4	55	18
lowa	638	1,300	-51.0%	636	1,300	0	0	0	0	2	0
Kansas	472	1,109	-57.0%	472	1,109	0	0	0	0	0	0
Minnesota	2,424	2,894	-16.0%	2,081	2,027	290	849	0	0	53	18
Missouri	2,361	2,876	-18.0%	2,187	2,806	169	67	4	4	0	0
Nebraska	166	81	105.0%	166	81	0	0	0	0	0	0
North Dakota	2	0		2	0	0	0	0	0	0	0
South Dakota	456	251	82.0%	456	251	0	0	0	0	0	0
South Atlantic	160,858	142,205	13.0%	130,938	115,060	27,166	25,282	0	0	2,755	1,864
Delaware	4,050	2,751	47.0%	0	0	2,817	1,880	0	0	1,232	871
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	78,093	76,100	2.6%	76,123	72,333	1,971	3,767	0	0	0	0
Georgia	30,040	22,574	33.0%	20,380	16,581	8,967	5,386	0	0	693	607
Maryland	939	855	9.8%	0	0	927	819	0	0	13	36
North Carolina	21,638	17,806	22.0%	14,810	12,245	6,828	5,561	0	0	0	0 47
South Carolina	7,131	6,960	2.5%	6,560	6,373	491 4,975	539		-		
Virginia West Virginia	18,731 235	14,083 1,077	33.0% -78.0%	13,019 46	6,760 768	4,975 189	7,020 309	0	0	737	303
	68,167	68,424	-78.0%	37,609	42,481	29,979	25,881	0	0	578	62
East South Central Alabama	33,786	29,550	14.0%	9,268	8,965	24,518	20,585	0	0	0	02
Kentucky	2,427	6,397	-62.0%	2,251	6,025	176	372	0	0	0	0
Mississippi	26,621	26,194	1.6%	21,335	21,271	5,285	4,923	0	0	0	0
Tennessee	5,333	6,283	-15.0%	4,755	6,221	0	0	0	0	578	62
West South Central	229,917	214,970	7.0%	53,227	53,875	126,954	106,246	0	0	49,736	54,849
Arkansas	10,030	7,446	35.0%	1,661	634	7,976	6,812	0	0	393	0
Louisiana	39,906	44,040	-9.4%	17,473	16,112	6,502	9,478	0	0	15,931	18,450
Oklahoma	20,702	20,464	1.2%	14,419	16,253	6,284	4,210	0	0	0	0
Texas	159,279	143,020	11.0%	19,675	20,876	106,192	85,745	0	0	33,412	36,399
Mountain	39,284	38,087	3.1%	27,574	25,858	11,694	12,179	0	0	16	49
Arizona	9,755	10,567	-7.7%	4,019	4,412	5,736	6,155	0	0	0	0
Colorado	6,149	6,051	1.6%	3,460	3,792	2,689	2,259	0	0	0	0
Idaho	2,157	2,574	-16.0%	1,412	1,418	745	1,156	0	0	0	0
Montana	0	0		0	0	0	0	0	0	0	0
Nevada	11,592	9,652	20.0%	11,191	8,969	401	683	0	0	0	0
New Mexico	5,940	5,073	17.0%	3,842	3,156	2,098	1,918	0	0	0	0
Utah	3,679	4,159	-12.0%	3,638	4,102	25	8	0	0	16	49
Wyoming	11	10	11.0%	11	10	0	0	0	0	0	0
Pacific Contiguous	65,882	82,527	-20.0%	27,089	29,567	36,168	49,012	0	0	2,625	3,948
California	53,997	63,250	-15.0%	19,786	17,863	31,586	41,439	0	0	2,625	3,948
Oregon Washington	8,230 3,655	11,382 7,895	-28.0% -54.0%	3,648 3,655	4,673 7,031	4,582 0	6,709 864	0	0	0	0
Pacific Noncontiguous	1,908	1,867	-54.0% 2.2%	1,908	1,867	0	864	0	0	0	0
Alaska	1,908	1,867	2.2%	1,908	1,867	0	0	0	0	0	0
Hawaii	1,906	1,007	2.276	1,900	1,007	0	0	0	0	0	0
U.S. Total	730,694	691,475	5.7%	314,575	301,902	359,180	327,589	491	400	56,448	61,584
2.3. 10.0.	700,094	001,470	3.1 76	014,070	001,002	555,100	021,003	491	400	55,440	01,004

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 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.

Table 4.9.B. Receipts of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) January 2015 and 2014 (Million Cubic Feet)

(Million Cubic Feet)					Electric Po	wer Sector					
Census Division											
and State	January 2015	All Sectors January 2014	Percentage	Electric January 2015		Independent Po January 2015	January 2014	Commerci January 2015	January 2014	Industria January 2015	
	YTD	YTD	Change	YTD	YTD	YTD	YTD	YTD	YTD	YTD	YTD
New England	24,772	19,165	29.0%	20	97	24,736	18,693	0	0	17	375
Connecticut	10,433	5,824	79.0%	0	0	10,433	5,824	0	0	0	0
Maine	1,913	2,987 7,230	-36.0%	0	96	1,896	2,612	0	0	17	375
Massachusetts New Hampshire	6,603 3,636	7,230 582	-8.7% 525.0%	19	96	6,584 3,636	7,134 581	0	0	0	0
Rhode Island	2,187	2,542	-14.0%	0	0	2,187	2,542	0	0	0	0
Vermont	2,107	2,542	14.070	0	0	2,107	2,542	0	0	0	0
Middle Atlantic	79,841	69,353	15.0%	8,689	7,050	70,946	62,127	0	0	206	176
New Jersey	17,896	14,308	25.0%	0	0	17,896	14,308	0	0	0	0
New York	31,093	28,944	7.4%	8,689	7,050	22,329	21,815	0	0	75	80
Pennsylvania	30,851	26,101	18.0%	0	0	30,720	26,005	0	0	131	96
East North Central	53,545	46,366	15.0%	21,520	18,474	31,078	27,253	487	396	460	243
Illinois	5,192	4,327	20.0%	122	175	5,066	4,146	0	0	5	6
Indiana	10,631	9,903	7.4%	8,147	7,230	2,483	2,673	0	0	0	0
Michigan	10,615	11,740	-9.6%	2,919	2,857	7,004	8,463	487	396	206	23
Ohio	19,120	15,907	20.0%	6,649	6,283	12,409	9,585	0	0	62	39
Wisconsin West North Central	7,987	4,489	78.0% -23.0%	3,683 6,001	1,929	4,117 459	2,386 916	0	0	187 55	174 18
	6,519 638	8,512 1,300	-23.0% -51.0%	6,001	7,574 1,300	459	916	0	0	55	18
Iowa Kansas	638 472	1,300	-51.0% -57.0%	472	1,300	0	0	0	0	2	0
Minnesota	2,424	2,894	-16.0%	2,081	2,027	290	849	0	0	53	18
Missouri	2,361	2,876	-18.0%	2,187	2,806	169	67	4	4	0	0
Nebraska	166	81	105.0%	166	81	0	0	0	0	0	0
North Dakota	2	0		2	0	0	0	0	0	0	0
South Dakota	456	251	82.0%	456	251	0	0	0	0	0	0
South Atlantic	160,858	142,205	13.0%	130,938	115,060	27,166	25,282	0	0	2,755	1,864
Delaware	4,050	2,751	47.0%	0	0	2,817	1,880	0	0	1,232	871
District of Columbia	0	0		0	0	0	0	0	0	0	0
Florida	78,093	76,100	2.6%	76,123	72,333	1,971	3,767	0	0	0	0
Georgia	30,040	22,574	33.0%	20,380	16,581	8,967	5,386	0	0	693	607
Maryland	939	855	9.8% 22.0%	14.810	12.245	927	819	0	0	13	36
North Carolina South Carolina	21,638 7,131	17,806 6,960	22.0%	6,560	6,373	6,828 491	5,561 539	0	0	80	47
Virginia	18,731	14,083	33.0%	13,019	6,760	4,975	7,020	0	0	737	303
West Virginia	235	1,077	-78.0%	46	768	189	309	0	0	0	0
East South Central	68,167	68,424	-0.4%	37,609	42,481	29,979	25,881	0	0	578	62
Alabama	33,786	29,550	14.0%	9,268	8,965	24,518	20,585	0	0	0	0
Kentucky	2,427	6,397	-62.0%	2,251	6,025	176	372	0	0	0	0
Mississippi	26,621	26,194	1.6%	21,335	21,271	5,285	4,923	0	0	0	0
Tennessee	5,333	6,283	-15.0%	4,755	6,221	0	0	0	0	578	62
West South Central	229,917	214,970	7.0%	53,227	53,875	126,954	106,246	0	0	49,736	54,849
Arkansas	10,030	7,446	35.0%	1,661	634	7,976	6,812	0	0	393	0
Louisiana	39,906	44,040	-9.4%	17,473	16,112	6,502	9,478	0	0	15,931	18,450
Oklahoma	20,702	20,464	1.2%	14,419	16,253	6,284	4,210	0	0	0 110	0
Texas	159,279	143,020	11.0%	19,675	20,876	106,192	85,745	0	0	33,412	36,399
Mountain Arizona	39,284 9,755	38,087 10,567	3.1% -7.7%	27,574 4,019	25,858 4,412	11,694 5,736	12,179 6,155	0	0	16	49
Colorado	6,149	6,051	1.6%	3,460	3,792	2,689	2,259	0	0	0	0
Idaho	2,157	2,574	-16.0%	1,412	1,418	745	1,156	0	0	0	0
Montana	2,137	2,574		1,-12	1,410	0	1,130	0	0	0	0
Nevada	11,592	9,652	20.0%	11,191	8,969	401	683	0	0	0	0
New Mexico	5,940	5,073	17.0%	3,842	3,156	2,098	1,918	0	0	0	0
Utah	3,679	4,159	-12.0%	3,638	4,102	25	8	0	0	16	49
Wyoming	11	10	11.0%	11	10	0	0	0	0	0	0
Pacific Contiguous	65,882	82,527	-20.0%	27,089	29,567	36,168	49,012	0	0	2,625	3,948
California	53,997	63,250	-15.0%	19,786	17,863	31,586	41,439	0	0	2,625	3,948
Oregon	8,230	11,382	-28.0%	3,648	4,673	4,582	6,709	0	0	0	0
Washington	3,655	7,895	-54.0%	3,655	7,031	0	864	0	0	0	0
Pacific Noncontiguous	1,908	1,867	2.2%	1,908	1,867	0	0	0	0	0	0
Alaska	1,908	1,867	2.2%	1,908	1,867	0	0	0	0	0	0
Hawaii	700.001	0		0	0	0	0	0	0	0	0
U.S. Total	730,694	691,475	5.7%	314,575	301,902	359,180	327,589	491	400	56,448	61,584

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 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.

Table 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, January 2015 and 2014

(Dollars per MMBtu) Census Division							
and State	E	Electric Power Secto	r	Electric	Utilities	Independent P	ower Producers
			Percentage				
	January 2015	January 2014	Change	January 2015	January 2014	January 2015	January 2014
New England	W	W	W	3.67	4.58	W	W
Connecticut	W	W	W			W	W
Maine Massachusetts	W	W	W	-		W	
New Hampshire	3.67	4.58	-20.0%	3.67	4.58	VV	VV
Rhode Island	3.07	4.00	-20.076	3.07	4.30	-	
Vermont	-		-			-	-
Middle Atlantic	2.56	2.93	-13.0%	-	-	2.56	2.93
New Jersey	4.10	3.84	6.8%	-	-	4.10	3.84
New York	3.12	3.09	1.0%			3.12	3.09
Pennsylvania	2.48	2.89	-14.0%			2.48	2.89
East North Central	2.24	2.25	-0.4%	2.34	2.39	2.03	2.00
Illinois	1.98	1.91	3.7%	2.08	2.07	1.97	1.89
Indiana	W	W	W	2.41	2.54	W W	W
Michigan	W	W	W	2.53	2.65	w	W
Ohio	W	W	W	2.21	2.28	w	
Wisconsin	2.34	2.18	7.3%	2.34	2.18	-	-
West North Central	1.80	1.74	3.4%	1.80	1.74		
Iowa	1.71	1.63	4.9%	1.71	1.63		
Kansas	1.77	1.74	1.7%	1.77	1.74		
Minnesota	2.02	1.93	4.7%	2.02	1.93		
Missouri	1.97	1.97	0.0%	1.97	1.97		
Nebraska	1.39	1.37	1.5%	1.39	1.37		
North Dakota	1.44	1.48	-2.7%	1.44	1.48		
South Dakota	2.14	2.20	-2.7%	2.14	2.20		
South Atlantic	3.01	3.04	-1.0%	3.11	3.20	2.55	2.54
Delaware	W	W	W			W	W
District of Columbia							
Florida	3.17	W	W	3.17	3.29	-	W
Georgia	3.00	3.00	0.0%	3.00	3.00	-	-
Maryland	3.01	2.89	4.2%			3.01	2.89
North Carolina	3.54	3.76	-5.9%	3.54	3.76		
South Carolina	3.61	3.63	-0.6%	3.61	3.63		
Virginia	W	W	W	3.09	3.11	W	W
West Virginia	2.34	2.44	-4.1%	2.43	2.64	2.19	2.21
East South Central	W	W	W	2.37	2.48	W	W
Alabama	2.44	2.63	-7.2%	2.44	2.63	-	
Kentucky	2.28	2.37	-3.8%	2.28	2.37		
Mississippi	W	W	W	3.29	3.71	W	W
Tennessee	2.41	2.37	1.7%	2.41	2.37		
West South Central	2.08	2.07	0.5%	2.19	2.21	1.94	1.90
Arkansas	W	W	W	2.33	2.35	W	W
Louisiana	W	W	W	2.16	2.56	W	W
Oklahoma	W	W	W	2.01	1.92	W	W
Texas	2.04	2.02	1.0%	2.22	2.26	1.91	1.87
Mountain	W	W	W	1.92	2.00	W	W
Arizona	2.06	2.10	-1.9%	2.06	2.10		
Colorado	1.84	1.89	-2.6%	1.84	1.89		
Idaho						-	
Montana	W	W	W			W	W
Nevada	W	W	W	2.64	2.57	W	W
New Mexico	2.48	2.57	-3.5%	2.48	2.57	-	
Utah	1.95	2.19	-11.0%	1.95	2.19		
Wyoming	1.53	1.62	-5.6%	1.53	1.62		
Pacific Contiguous	W	W	W	2.45	2.43	W	W
California			-			-	
Oregon	2.45	2.43	0.8%	2.45	2.43		
Washington	W	W	W			W	W
Pacific Noncontiguous	W	W	W			W	W
Alaska							 W
Hawaii	W	W	W			W	
U.S. Total	2.28	2.29	-0.4%	2.30	2.31	2.19	2.24

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 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.

Table 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, (Year-to-Date) January 2015 and 2014

(Dollars per MMBtu) Census Division							
and State	E	Electric Power Secto	r	Electric	Utilities	Independent Po	wer Producers
	January 2015 YTD	January 2014 YTD	Percentage Change	January 2015 YTD	January 2014 YTD	January 2015 YTD	January 2014 YTD
New England	W	W	W	3.67	4.58	W	W W
Connecticut							
Maine	W	W	W			W	W
Massachusetts	W	W	W			W	W
New Hampshire	3.67	4.58	-20.0%	3.67	4.58	-	
Rhode Island				-	-	-	
Vermont						-	
Middle Atlantic	2.56	2.93	-13.0%	-	-	2.56	2.93
New Jersey	4.10	3.84	6.8%			4.10	3.84
New York	3.12	3.09	1.0%			3.12	3.09
Pennsylvania	2.48	2.89	-14.0%	-		2.48	2.89
East North Central	2.24	2.25	-0.4%	2.34	2.39	2.03	2.00
Illinois	1.98	1.91	3.7%	2.08	2.07	1.97	1.89
Indiana	W	W	W	2.41	2.54	W	W
Michigan	W	W	W	2.53	2.65	W	W
Ohio	W	W	W	2.21	2.28	W	W
Wisconsin	2.34	2.18	7.3%	2.34	2.18	-	
West North Central	1.80	1.74	3.4%	1.80	1.74		
Iowa	1.71	1.63	4.9%	1.71	1.63	-	-
Kansas	1.77	1.74	1.7%	1.77	1.74	-	
Minnesota	2.02	1.93	4.7%	2.02	1.93		
Missouri	1.97	1.97	0.0%	1.97	1.97		
Nebraska	1.39	1.37	1.5%	1.39	1.37		
North Dakota	1.44	1.48	-2.7%	1.44	1.48		
South Dakota	2.14	2.20	-2.7%	2.14	2.20		
South Atlantic	3.01	3.04	-1.0%	3.11	3.20	2.55	2.54
Delaware	3.01 W	3.04 W	-1.076 W	3.11	3.20	2.55 W	2.34 W
	VV	VV	VV				**
District of Columbia Florida	3.17	W	W	3.17	3.29	-	W
	3.00	3.00	0.0%	3.00	3.00		**
Georgia Maryland	3.01	2.89	4.2%	3.00	3.00	3.01	2.89
North Carolina	3.54	3.76	-5.9%	3.54	3.76	3.01	2.09
South Carolina	3.61	3.63	-0.6%	3.61	3.63	-	
Virginia	3.61 W	3.63 W	-0.6% W	3.09	3.11	W	W
West Virginia	2.34	2.44	-4.1%	2.43	2.64	2.19	2.21
East South Central	2.34 W	2.44 W	-4.1% W	2.43	2.48	2.19 W	2.21 W
Alabama	2.44	2.63	-7.2%	2.44	2.63	VV	VV
Kentucky	2.44	2.03	-3.8%	2.44	2.63	-	-
Mississippi	2.26 W	2.37 W	-3.6% W	3.29	3.71	W	 W
Tennessee	2.41	2.37	1.7%	2.41	2.37		VV
West South Central	2.41	2.07	0.5%	2.41	2.37	1.94	1.90
Arkansas	2.06 W	2.07 W	0.5% W	2.19	2.35	1.94 W	1.90 W
Louisiana	W	W	W	2.33	2.56	W	W
Oklahoma	W	W	W	2.16	1.92	W	W
Texas	2.04	2.02	1.0%	2.01	2.26	1.91	1.87
Mountain	2.04 W	2.02 W	1.0% W	1.92	2.26	1.91 W	1.87 W
Arizona	2.06	2.10	-1.9%	2.06	2.00	VV	VV
Colorado	1.84	1.89	-2.6%	1.84	1.89	-	-
Idaho	1.04	1.09	-2.0%	1.04	1.09		
Montana	W	W	W			W	 W
Nevada	W	W	W	2.64	2.57	W	W
New Mexico	2.48	2.57	-3.5%	2.48	2.57	VV	VV
Utah	1.95	2.57	-3.5%	1.95	2.57	-	
Wyoming	1.95	1.62	-11.0% -5.6%	1.95	1.62		
	1.53 W			1.53		W	W
Pacific Contiguous	W	W	W	2.45	2.43		W
California						-	
Oregon	2.45	2.43	0.8%	2.45	2.43		
Washington	W	W	W	-	-	W	W
	W	W	W	-		W	W
Pacific Noncontiguous							
Alaska			-				
	 W 2.28	W 2.29	 W -0.4%	2.30	 2.31	 W 2.19	V 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. 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 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.

Table 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, January 2015 and 2014

(Dollars per MMBtu) Census Division							
and State	E	lectric Power Secto	r	Electric	Utilities	Independent Po	ower Producers
	January 2015	January 2014	Percentage	January 2015	January 2014	January 2015	January 2014
New England	January 2015	January 2014	Change W	13.04	23.16	January 2015	January 2014
Connecticut	15.26	W	W	13.04	25.10	15.26	W
Maine	W	W	W			W	w
Massachusetts	W	19.61	W	22.24		w	19.61
New Hampshire	12.74	W	W	12.74	23.16		W
Rhode Island		W	W	-			W
Vermont		-	-				
Middle Atlantic	12.85	21.50	-40.0%	9.63	25.07	18.06	21.30
New Jersey	12.66	23.87	-47.0%			12.66	23.87
New York	12.87	20.70	-38.0%	9.63	25.07	19.82	20.32
Pennsylvania	12.68	22.59	-44.0%			12.68	22.59
East North Central	13.02	24.04	-46.0%	13.04	22.50	12.96	25.33
Illinois	13.13	W	W	12.46	22.66	13.34	W
Indiana	13.11	22.73	-42.0%	13.11	22.73		
Michigan	11.96	22.09	-46.0%	11.96	22.09		-
Ohio	12.61	W	W	12.34	23.31	12.90	W
Wisconsin	15.61	21.67	-28.0%	15.61	21.67		-
West North Central	11.51	21.79	-47.0%	11.51	21.79		-
Iowa	11.45	21.93	-48.0%	11.45	21.93		
Kansas	11.66	21.78	-46.0%	11.66	21.78		
Minnesota	12.16	20.89	-42.0%	12.16	20.89		
Missouri	11.12	22.10	-50.0%	11.12	22.10		
Nebraska		21.95			21.95		
North Dakota	11.75	22.49	-48.0%	11.75	22.49		
South Dakota	12.44	23.34	-47.0%	12.44	23.34		
South Atlantic	W	22.11	W	13.74	21.87	W	22.68
Delaware	W	W	W			W	W
District of Columbia							
Florida	13.99	W	W	13.99	19.31		W
Georgia	13.49	W	W	13.93	23.35	13.05	W
Maryland	10.54	22.37	-53.0%			10.54	22.37
North Carolina	W	W	W	13.44	22.20	W	W
South Carolina	13.59	22.50	-40.0%	13.59	22.50	 W	W
Virginia	W 13.97	W	W	14.30 13.97	21.22 24.20	VV	W
West Virginia East South Central	13.97 W	W	W	12.07	21.70	W	W
Alabama	W	W	W	12.34	21.52	W	W
Kentucky	12.97	22.04	-41.0%	12.97	22.04		***
Mississippi	11.30	22.04	41.070	11.30	22.04		_
Tennessee	11.76	21.67	-46.0%	11.76	21.67		
West South Central	11.49	20.85	-45.0%	11.60	21.85	11.21	20.01
Arkansas	W	W	W		22.32	W	W
Louisiana	W	W	W	11.39		W	W
Oklahoma		24.05			24.05		
Texas	W	W	W	13.63	21.73	W	W
Mountain	W	W	W	13.72	23.21	W	W
Arizona	13.65	22.14	-38.0%	13.65	22.14		-
Colorado	15.38	24.15	-36.0%	15.38	24.15		
Idaho			-	-			-
Montana	-	W	W				W
Nevada	W	24.48	W	18.43	24.48	W	-
New Mexico	12.63	23.56	-46.0%	12.63	23.56		
Utah	10.23	22.05	-54.0%	10.23	22.05		
Wyoming	13.76	23.98	-43.0%	13.76	23.98		
Pacific Contiguous		W	W				W
California							
Oregon	-		-	-			
Washington		W	W				W
Pacific Noncontiguous	W	W	W	12.32	20.91	W	W
Alaska							
Hawaii	W	W	W	12.32	20.91	W	W
U.S. Total	12.76	21.90	-42.0%	11.83	21.73	15.13	22.04

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 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.

Table 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) January 2015 and 2014

(Dollars per MMBtu) Census Division							
and State	F	Electric Power Secto	r	Electric	Utilities	Independent Po	ower Producers
			Percentage				
	January 2015 YTD	January 2014 YTD	Change	January 2015 YTD	January 2014 YTD	January 2015 YTD	January 2014 YTD
New England	W	W	W	13.04	23.16	W	W
Connecticut	15.26	W	W			15.26	W
Maine	W		W		_	W	19.61
Massachusetts		19.61 W	W	22.24 12.74		VV	
New Hampshire	12.74			12.74	23.16		W
Rhode Island Vermont		W	W		-	-	VV
Middle Atlantic	12.85	21.50	-40.0%	9.63	25.07	18.06	21.30
New Jersey	12.66	23.87	-47.0%	9.03	25.07	12.66	23.87
New York	12.87	20.70	-38.0%	9.63	25.07	19.82	20.32
Pennsylvania	12.68	22.59	-44.0%	9.03	25.07	12.68	22.59
East North Central	13.02	24.04	-46.0%	13.04	22.50	12.96	25.33
Illinois	13.13	W W	40.070 W	12.46	22.66	13.34	20.00 W
Indiana	13.11	22.73	-42.0%	13.11	22.73	10.01	
Michigan	11.96	22.09	-46.0%	11.96	22.09		
Ohio	12.61	W	W	12.34	23.31	12.90	W
Wisconsin	15.61	21.67	-28.0%	15.61	21.67	.2.50	-
West North Central	11.51	21.79	-47.0%	11.51	21.79	-	_
lowa	11.45	21.93	-48.0%	11.45	21.93		-
Kansas	11.66	21.78	-46.0%	11.66	21.78		
Minnesota	12.16	20.89	-42.0%	12.16	20.89		-
Missouri	11.12	22.10	-50.0%	11.12	22.10		
Nebraska		21.95			21.95		-
North Dakota	11.75	22.49	-48.0%	11.75	22.49		-
South Dakota	12.44	23.34	-47.0%	12.44	23.34		-
South Atlantic	W	22.11	W	13.74	21.87	W	22.68
Delaware	W	W	W	1		W	W
District of Columbia		1	-	-		-	-
Florida	13.99	W	W	13.99	19.31		W
Georgia	13.49	W	W	13.93	23.35	13.05	W
Maryland	10.54	22.37	-53.0%	-		10.54	22.37
North Carolina	W	W	W	13.44	22.20	W	W
South Carolina	13.59	22.50	-40.0%	13.59	22.50	-	-
Virginia	W	W	W	14.30	21.22	W	W
West Virginia	13.97	W	W	13.97	24.20	-	W
East South Central	W	W	W	12.07	21.70	W	W
Alabama	W	W	W	12.34	21.52	W	W
Kentucky	12.97	22.04	-41.0%	12.97	22.04		
Mississippi	11.30	-		11.30			
Tennessee	11.76	21.67	-46.0%	11.76	21.67		
West South Central	11.49	20.85	-45.0%	11.60	21.85	11.21	20.01
Arkansas	W	W	W		22.32	W	W
Louisiana	W	W 24.05	W	11.39	24.05	W	W
Oklahoma				40.00			
Texas Mountain	W	W	W	13.63 13.72	21.73 23.21	W	W
Arizona	13.65	22.14	-38.0%	13.72	23.21	VV	VV
Colorado	15.38	24.15	-36.0%	15.38	24.15		-
Idaho	15.56	24.13	-30.0%	13.36	24.13	-	-
Montana		W	W	-			W
Nevada	W	24.48	W	18.43	24.48	W	
New Mexico	12.63	23.56	-46.0%	12.63	23.56		-
Utah	10.23	22.05	-54.0%	10.23	22.05		
Wyoming	13.76	23.98	-43.0%	13.76	23.98		_
Pacific Contiguous		W	W				W
California				-		-	
Oregon				-			
Washington		W	W	-			W
Pacific Noncontiguous	W	W	W	12.32	20.91	W	W
Alaska							
Alaska Hawaii	 W	W	W	12.32	20.91	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 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.

Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, January 2015 and 2014

(Dollars per MMBtu) Census Division							
and State	Е	Electric Power Secto	r	Electric	Utilities	Independent Po	ower Producers
			Percentage				
N. F. L. I	January 2015	January 2014	Change	January 2015	January 2014	January 2015	January 2014
New England							
Connecticut		-	-	-			
Maine			-				
Massachusetts		-	-	-			
New Hampshire							
Rhode Island		-	-	-			
Vermont							
Middle Atlantic							
New Jersey	-	-	-	-			-
New York		-	-	-			
Pennsylvania							
East North Central	W	W	W	1.10	1.24	W	W
Illinois							
Indiana	0.90	1.07	-16.0%	0.90	1.07		
Michigan	W	W	W	1.45	1.45	W	W
Ohio	W		W	-		W	
Wisconsin		1.88		-	1.88		
West North Central	-						-
lowa			-				
Kansas			-				
Minnesota	-		-		-	-	
Missouri			-				
Nebraska			-				
North Dakota							
South Dakota							
South Atlantic	2.39	2.40	-0.4%	2.39	2.40		
Delaware							
District of Columbia							
Florida	2.39	2.40	-0.4%	2.39	2.40		
Georgia							
Maryland							
North Carolina							
South Carolina							
Virginia							
West Virginia							
East South Central	1.85	1.84	0.5%	1.85	1.84		
Alabama							
Kentucky	1.85	1.84	0.5%	1.85	1.84		
Mississippi							
Tennessee							
West South Central	1.92	1.83	4.9%	1.92	1.83		
Arkansas							
Louisiana	1.92	1.83	4.9%	1.92	1.83		
Oklahoma							
Texas			-				
Mountain			-				
Arizona							
Colorado							
Idaho			-				
Montana							
Nevada				-			
New Mexico		-		-			
Utah			-	-	-		
Wyoming							
Pacific Contiguous							
California			-				-
Oregon			-				
Washington	-	-					
Pacific Noncontiguous	-	-	-	_	-	-	
Alaska			-	-			
Hawaii		-	-				
U.S. Total	W	W	W	1.94	1.79	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 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.

Table 4.12.B. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) January 2015 and 2014

(Dollars per MMBtu) Census Division							
Census Division and State		Electric Power Secto	•	Electric	Litilities	Independent Pr	ower Producers
und otate	January 2015 YTD	January 2014 YTD	Percentage Change	January 2015 YTD	January 2014 YTD		January 2014 YTD
New England							
Connecticut		-	-	-			
Maine		-	-	-			
Massachusetts			_	-			
New Hampshire		-	-	-			
Rhode Island		-	-	-			
Vermont							
Middle Atlantic	-		-	-			
New Jersey							
New York							
Pennsylvania							
East North Central	W	W	W	1.10	1.24	W	W
Illinois				1.10	1.24	**	**
Indiana	0.90	1.07	-16.0%	0.90	1.07		
Michigan	0.90 W	W	-10.0% W	1.45	1.45	W	W
Ohio	W	VV	W	1.43	1.43	W	vv
Wisconsin		1.88		-	1.88		-
West North Central		1.00			1.00	-	
lowa			-	-			
Kansas							-
Minnesota		-	-	-	-	-	
Missouri	-			-	-	-	
Nebraska			-	-	-	-	
	-			-			
North Dakota		-	-	-			
South Dakota	2.00	0.40	0.40/	0.00	0.40	-	
South Atlantic	2.39	2.40	-0.4%	2.39	2.40		
Delaware	-	-	-	-	-	-	
District of Columbia						-	
Florida	2.39	2.40	-0.4%	2.39	2.40	-	
Georgia		-	-	-	-	-	
Maryland							
North Carolina	-	-	-	-	-	-	
South Carolina							
Virginia		-	-		-	-	
West Virginia						-	
East South Central	1.85	1.84	0.5%	1.85	1.84	-	
Alabama		-	-	-	-		
Kentucky	1.85	1.84	0.5%	1.85	1.84	-	
Mississippi		-	-	-	-	-	
Tennessee		-	-	-			
West South Central	1.92	1.83	4.9%	1.92	1.83		
Arkansas							
Louisiana	1.92	1.83	4.9%	1.92	1.83		
Oklahoma							
Texas	-	-	-	-	-	-	
Mountain			-				
Arizona		-	-				
Colorado	-	-	-				
Idaho			-		-		
Montana			-	-			
Nevada		-	-	-	-	-	
New Mexico		-	-	-	-	-	
Utah				-			
Wyoming		-	-	-	-	-	
Pacific Contiguous					_	_	-
California	-	-	-	-	-	-	-
Oregon			-				
Washington				-			
Pacific Noncontiguous							
Alaska							
Hawaii							
U.S. Total	2.00	W	W	1.94	1.79	2.43	W
	2.00	***	***	1.54	1.73	2.40	***

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 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.

Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, January 2015 and 2014

(Dollars per MMBtu)

Manuary 2015	(Dollars per MMBtu) Census Division									
	and State		Electric Power Secto	r	Electric	Utilities	Independent P	ower Producers		
New England		January 2045	January 204.4		January 2045	January 204.4	January 204 F	January 204 4		
Cornectical 6.56 14.67 4.27h - 8.55 14.6 Makee W W W W - W W W	New England									
Manner W W W W W W W W W					12.12	17.04				
Messachusetts								W W		
New Intermediate W W W S.44 10.56 W W W W W W W W W					13.05	17.88		18.00		
Nicole Island								W		
Vermont				-56.0%				22.05		
New Jersey				-						
New York 6.07 11.61 48.0% 7.63 10.45 5.34 12.09 East North Central 3.28 6.72 5.10% 3.20 6.13 3.31 7.11 Illinois W 14.65 W 4.22 12.38 W 14.84 Indiana W 7.78 -5.0% 3.34 5.27 3.58 7.9 Illinois W 4.65 W 4.22 12.38 W 14.84 Indiana W 7.78 -5.0% 3.34 5.27 3.58 7.9 Illinois W 2.50 3.34 5.27 3.58 7.9 Illinois W 4.50 3.48 5.90 2.66 4.50 Illinois W 4.50 4.50 3.48 5.90 2.66 4.50 Illinois W 4.50 4.50 4.50 3.50 4.50 Illinois W 4.50 4.50 4.50 4.50 4.50 Illinois W 4.50 4.50 4.50 4.50 4.50 Illinois W 4.50 4	Middle Atlantic	5.21	15.63	-67.0%	7.63	10.43	4.86	16.30		
Pernsylvarian	New Jersey	5.60	14.74	-62.0%			5.60	14.74		
Seal Note Seal	New York	6.07	11.61	-48.0%	7.63	10.43	5.34	12.06		
Millerois	Pennsylvania	4.13	20.30	-80.0%			4.13	20.30		
Indians	East North Central	3.26	6.72	-51.0%	3.20	6.13	3.31	7.18		
Michigan 3.52 7.78	Illinois	W	14.65	W	4.22	12.38	W	14.86		
Othic Miscorain	Indiana	W	W	W	3.44	5.93	W	W		
Wilsonian 3.72	Michigan	3.52	7.78	-55.0%	3.36	7.27	3.58	7.97		
West North Central W	Ohio	2.79		-48.0%				4.93		
Nove	Wisconsin			W	3.84			W		
Keness 5.05 5.98 -1.076 5.05 5.98 -1.076 Menestria W W W S.19 7.36 W W W Menestria W W W S.59 5.46 W Y W Medical W W W S.50 5.46 W Y W Medical W W W S.50 5.46 W Y W Medical W W W S.50 5.46 W Y W W S.50 5.46 W Y W W S.50 5.46 W Y W W S.50 S.50 S.40 W Y W W S.50 S.50 S.40 W Y W W S.50 S.50 S.40 W W W W S.50 S.50	West North Central						W	6.94		
Minnesotia W W W 5.19 7.36 W W W Moscuri W W W 3.56 6.46 W W W W Notrokal A 4.66 7.52 4.50% 4.26 7.52	Iowa						-			
Missouri W W W W 3.56 5.46 W W W Substands 4.26 7.52 4.30% 4.26 7.52	Kansas									
Nebraska	Minnesota							W		
North Datotal							W	W		
South Datolate 2.78			7.52	-43.0%		7.52				
South Atlantic										
Delaware										
District of Columbia		4.71	7.51	-37.0%	4.82	7.27	4.05	8.93		
Florida						-				
Georgia W 5.46 W 3.68 5.44 W 5.55 Maryland 6.19 W W 6.19 W W 6.19 W W W 6.19 W W W S.57 10.96 W W V South Carolina W W W 4.42 5.72 W V/rignia W 171.15 W 6.01 23.22 W 11.22 West Virginia 2.80 W W 2.97 5.32 2.76 W East South Central 3.43 5.12 33.0% 3.49 5.22 3.34 4.88 Alabama W 4.81 W 3.32 4.78 W 4.88 Kentucky W W W 3.33 5.06 W W 4.81 W 3.32 5.06 W W 4.88 Kentucky W W W W 5.46 5.55 W W 4.88 Kentucky W W W W 3.33 5.06 W W W 3.32 4.78 W 4.88 Kentucky W W W W 3.33 5.06 W W W 3.34 5.06 W W W 3.35 5.06 W W W 3.35 5.06 W W W 5.36 5.55 W W W 4.97 6.55 W W W W 5.36 5.55 W W 4.97 6.55 W W 5.71 W W 5.										
Maryland 6.19 W W - - 6.19 W North Carollina W W W W 5.57 10.96 W W W W W W W W W W W W W W W W W W W Y W W 11.22 X 4.88 4.88 A.88 W 4.88 4.88 4.88 X 4.88 4.88 4.88 4.88 Y W W W 3.33										
North Carolina					3.68	5.44				
South Carolina										
Virginia W 17.15 W 6.01 23.22 W 11.21 West Virginia 2.80 W W 2.97 5.32 2.76 V East South Central 3.43 5.12 -33.0% 3.49 5.22 3.34 4.88 Alabama W 4.81 W 3.32 4.78 W 4.88 Kentucky W W W W 5.48 5.85 W W Mississippi W W W 3.33 5.06 W W Mest South Central 3.57 5.82 -39.0% 3.57 5.82 - - - Afrikansas W W W 3.94 7.28 W 4.60 Authorisan 3.23 4.75 -32.0% 3.33 4.92 2.98 4.4 Colisiona 3.23 4.75 -32.0% 3.31 4.92 2.98 4.4 Texas 3.17 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
West Virginia 2.80 W W 2.97 5.32 2.76 W East South Central 3.43 5.12 -33.0% 3.49 5.22 3.34 4.88 Alabama W 4.81 W 3.32 4.78 W 4.88 Kentucky W W W 5.48 5.85 W W Mississippi W W W 3.33 5.06 W W Tennessee 3.57 5.82 -39.0% 3.57 5.82										
East South Central 3.43 5.12 -33.0% 3.49 5.22 3.34 4.81 Alabama W 4.81 W 5.32 4.78 W 4.88 Alabama W 4.81 W 5.48 5.55 W W 4.88 Alabama W W W W 5.48 5.55 W W W M 5.48 5.55 W W W W W 5.48 5.55 W W W W W 5.49 5.50 W 5.50 W 5.50 W M W W W 5.49 5.50 W										
Alabama W 4.81 W 3.32 4.78 W 4.85 W 4.86 Kentucky W W W 5.48 5.85 W W W S.48 5.85 W W W W 5.48 5.85 W W W W S.48 5.85 W W W W S.48 5.85 W W W W W S.40 5.00 3.09 4.66 Arkansas W W W W W 3.94 7.28 W W W W S.40 5.00 3.09 4.66 Arkansas W W W W W 3.94 7.28 W W W W W 3.94 5.22 W W 3.96 5.28 W W 4.96 Arkansas W W W W W W 3.40 5.12 W W W 4.96 Arkansa W W W S.22 W S.96 5.28 W 4.99 Arkansa W W S.71 W W 4.66 6.28 W W 4.70 Arkansa W W S.71 W W 4.66 6.28 W W 4.70 Arkansa W W W W 4.43 5.47 4.44 W W W 3.93 5.15 W W 4.99 Arkansa W W W W 3.93 5.15 W W 4.99 Arkansa W W W W 3.93 5.15 W W W W 3.62 4.77 W W W W 3.62 4.77 W W W W 3.62 4.77 W W W W W 3.62 4.77 W W W W 3.62 4.77 W W W W 3.62 4.77 W W W 3.62 4.77 W W W W 3.62 4.77 W W W 3.62 4.78 4.78 4.78 4.78 4.										
Kentucky W W W S.48 5.85 W W Mississippi W W W 3.33 5.06 W W Fennessee 3.57 5.82 -39.0% 3.57 5.82 -										
Mississippi W W W 3.33 5.06 W W Fennessee 3.57 5.82 -39.0% 3.57 5.82										
Tennessee 3.57 5.82 -39.0% 3.57 5.82 4-8-8	-									
West South Central 3.20 4.79 -33.0% 3.40 5.00 3.09 4.66 Arkansas W W W 3.94 7.28 W W V W 9.94 7.28 W W W V 4.42 2.98 4.44 4.44 W W W 3.40 5.12 W W W W W W W W W W W 4.43 4.44 4.46 6.28 W 4.49 4.41 4.44 W 4.46 6.28 W 4.77 4.44 W							**			
Arkansas W W W 3.94 7.28 W M Louisiana 3.23 4.75 -32.0% 3.33 4.92 2.98 4.4* Coklahoma W W W 3.40 5.12 W W Texas 3.17 4.72 -33.0% 3.41 4.89 3.11 4.66 Mountain W 5.22 W 3.96 5.28 W 4.93 Arizona W 5.71 W 4.66 6.28 W 4.77 Idaho 3.03 W W 4.43 5.47 4.44 W 4.44 W 4.43 W 4.44							3.00			
Louisiana 3.23 4.75 -32.0% 3.33 4.92 2.98 4.43 Oklahoma W W W 3.40 5.12 W W 3.40 5.12 W Mountain M 5.22 W 3.96 5.28 W 4.99 Mountain W 5.22 W 3.96 5.28 W 4.99 Mountain W 5.71 W 4.66 6.28 W 4.70 Mountain W 5.71 W 4.66 6.28 W 4.70 Mountain W 4.43 5.47 4.44 W 4.70 Mountain W 4.43 5.47 4.44 W 4.70 Mountain W W 4.43 5.47 4.44 W 4.70 Mountain W W W 3.03 5.05 - W W Mountain W W W 3.03 5.05 - W W Mountain W W W 3.03 5.05 - W W W 3.03 5.15 W W W M 3.03 5.15 W M W W M 3.03 5.15 W M M M M M M M M M M M M M M M M M M								W		
Oklahoma W W W 3.40 5.12 W W Texas 3.17 4.72 -33.0% 3.41 4.89 3.11 4.66 Mountain W 5.22 W 3.96 5.28 W 4.99 Arizona W 5.71 W 4.66 6.28 W 4.7 Colorado 4.43 W W 4.43 5.47 4.44 W Idaho 3.03 W W 3.03 5.05 W										
Texas 3.17 4.72 -33.0% 3.41 4.89 3.11 4.66 Mountain W 5.22 W 3.96 5.28 W 4.99 Arizona W 5.71 W 4.66 6.28 W 4.79 Colorado 4.43 W W 4.43 5.47 4.44 W Idaho 3.03 W W W 3.03 5.05 W Montana								W		
Mountain W 5.22 W 3.96 5.28 W 4.9 Arizona W 5.71 W 4.66 6.28 W 4.7 Colorado 4.43 W W 4.43 5.47 4.44 W Idaho 3.03 W W 3.03 5.05 W W Montana		3.17	4.72	-33.0%			3.11	4.67		
Arizona W 5.71 W 4.66 6.28 W 4.71 Colorado 4.43 W W 4.43 5.47 4.44 W 4.66 Idaho 3.03 W W 3.03 5.05 W Montana								4.97		
Colorado 4.43 W W 4.43 5.47 4.44 W Idaho 3.03 W W 3.03 5.05 W W Montana </td <td></td> <td></td> <td></td> <td>W</td> <td></td> <td>6.28</td> <td>W</td> <td>4.76</td>				W		6.28	W	4.76		
Montana <t< td=""><td>Colorado</td><td>4.43</td><td>W</td><td>W</td><td>4.43</td><td>5.47</td><td>4.44</td><td>W</td></t<>	Colorado	4.43	W	W	4.43	5.47	4.44	W		
Nevada W W W 3.93 5.15 W W New Mexico 3.57 4.83 -26.0% 3.57 4.83 -	Idaho	3.03	W	W	3.03	5.05		W		
New Mexico 3.57 4.83 -26.0% 3.57 4.83 <	Montana			-						
Utah W W W 3.62 4.77 W W Wyoming 5.62 6.92 -19.0% 5.62 6.92 <td>Nevada</td> <td>W</td> <td>W</td> <td>W</td> <td>3.93</td> <td>5.15</td> <td>W</td> <td>W</td>	Nevada	W	W	W	3.93	5.15	W	W		
Wyoming 5.62 6.92 -19.0% 5.62 6.92 <td>New Mexico</td> <td>3.57</td> <td>4.83</td> <td>-26.0%</td> <td>3.57</td> <td>4.83</td> <td></td> <td></td>	New Mexico	3.57	4.83	-26.0%	3.57	4.83				
Pacific Contiguous 3.74 4.99 -25.0% 4.07 5.14 3.37 4.81 California 3.80 5.12 -26.0% 4.13 5.41 3.47 4.93 Oregon 3.19 W W 3.45 4.32 2.99 W Washington 4.37 W W 4.37 5.09 W Pacific Noncontiguous 5.93 4.58 29.0% 5.93 4.58 Alaska 5.93 4.58 29.0% 5.93 4.58 Hawaii	Utah						W	W		
California 3.80 5.12 -26.0% 4.13 5.41 3.47 4.93 Oregon 3.19 W W 3.45 4.32 2.99 W Washington 4.37 W W 4.37 5.09 W Pacific Noncontiguous 5.93 4.58 29.0% 5.93 4.58 Alaska 5.93 4.58 29.0% 5.93 4.58 Hawaii	Wyoming				5.62	6.92	-			
Oregon 3.19 W W 3.45 4.32 2.99 W Washington 4.37 W W 4.37 5.09 W Pacific Noncontiguous 5.93 4.58 29.0% 5.93 4.58 Alaska 5.93 4.58 29.0% 5.93 4.58 Hawaii	Pacific Contiguous	3.74	4.99	-25.0%	4.07	5.14	3.37	4.86		
Washington 4.37 W W 4.37 5.09 W Pacific Noncontiguous 5.93 4.58 29.0% 5.93 4.58 Alaska 5.93 4.58 29.0% 5.93 4.58 Hawaii	California	3.80	5.12	-26.0%	4.13	5.41	3.47	4.93		
Pacific Noncontiguous 5.93 4.58 29.0% 5.93 4.58 Alaska 5.93 4.58 29.0% 5.93 4.58 <td< td=""><td>Oregon</td><td></td><td></td><td></td><td></td><td></td><td>2.99</td><td>W</td></td<>	Oregon						2.99	W		
Alaska 5.93 4.58 29.0% 5.93 4.58	Washington							W		
Hawaii							-			
	Alaska	5.93	4.58	29.0%	5.93	4.58				
U.S. Total 4.16 7.28 -43.0% 4.25 6.20 4.07 8.5	Hawaii			-						
	U.S. Total	4.16	7.28	-43.0%	4.25	6.20	4.07	8.51		

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 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.

Table 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) January 2015 and 2014

(Dollars per MMBtu)

(Dollars per MMBtu) Census Division								
and State	E	Electric Power Secto	r	Electric	Utilities	Independent Po	ower Producers	
			Percentage					
	January 2015 YTD	January 2014 YTD	Change	January 2015 YTD	January 2014 YTD	January 2015 YTD	January 2014 YTD	
New England	10.03	17.74	-43.0%	12.72	17.84	10.02	17.74	
Connecticut	8.55	14.67	-42.0%			8.55	14.67	
Maine	W	W	W	40.05		W	W	
Massachusetts	11.76	18.00	-35.0% W	13.05	17.88	11.76	18.00	
New Hampshire	9.70	W 22.05		3.41	10.56	9.70	22.05	
Rhode Island Vermont	9.70	22.05	-56.0%			9.70	22.05	
Middle Atlantic	5.21	15.63	-67.0%	7.63	10.43	4.86	16.30	
New Jersey	5.60	14.74	-62.0%	7.03	10.43	5.60	14.74	
New York	6.07	11.61	-48.0%	7.63	10.43	5.34	12.06	
Pennsylvania	4.13	20.30	-80.0%	7.03	10.43	4.13	20.30	
East North Central	3.26	6.72	-51.0%	3.20	6.13	3.31	7.18	
Illinois	W	14.65	W	4.22	12.38	W	14.86	
Indiana	W	W	w	3.44	5.93	W	W	
Michigan	3.52	7.78	-55.0%	3.36	7.27	3.58	7.97	
Ohio	2.79	5.32	-48.0%	2.48	5.89	2.96	4.93	
Wisconsin	3.72	W	W	3.84	5.40	3.61	W	
West North Central	W	7.31	W	4.33	7.36	W	6.94	
lowa	4.74	12.36	-62.0%	4.74	12.36			
Kansas	5.05	5.98	-16.0%	5.05	5.98			
Minnesota	W	W	W	5.19	7.36	W	W	
Missouri	W	W	W	3.56	5.46	W	W	
Nebraska	4.26	7.52	-43.0%	4.26	7.52			
North Dakota	2.81			2.81		-		
South Dakota	2.78	8.23	-66.0%	2.78	8.23			
South Atlantic	4.71	7.51	-37.0%	4.82	7.27	4.05	8.93	
Delaware								
District of Columbia								
Florida	W	5.66	W	4.81	5.68	W	4.80	
Georgia	W	5.46	W	3.68	5.44	W	5.53	
Maryland	6.19	W	W			6.19	W	
North Carolina	W	W	W	5.57	10.96	W	W	
South Carolina	W	W	W	4.42	5.72	W	W	
Virginia	W	17.15	W	6.01	23.22	W	11.25	
West Virginia	2.80	W	W	2.97	5.32	2.76	W	
East South Central	3.43	5.12	-33.0%	3.49	5.22	3.34	4.89	
Alabama	W	4.81	W	3.32	4.78	W	4.82	
Kentucky	W	W	W	5.48	5.85	W	W	
Mississippi	W	W	W	3.33	5.06	W	W	
Tennessee	3.57	5.82	-39.0%	3.57	5.82		4.07	
West South Central Arkansas	3.20 W	4.79 W	-33.0% W	3.40 3.94	5.00 7.28	3.09 W	4.67 W	
	3.23	4.75	-32.0%		4.92	2.98	4.43	
Louisiana Oklahoma	3.23 W	4.75 W	-32.0% W	3.33 3.40	5.12	2.96 W	4.43 W	
Texas	3.17	4.72	-33.0%	3.40	4.89	3.11	4.67	
Mountain	3.17 W	5.22	-33.0% W	3.96	5.28	3.11 W	4.97	
Arizona	W	5.71	W	4.66	6.28	W	4.76	
Colorado	4.43	5.71 W	W	4.43	5.47	4.44	4.76 W	
Idaho	3.03	W	W	3.03	5.05		w	
Montana	5.00		-	3.00				
Nevada	W	W	W	3.93	5.15	W	W	
New Mexico	3.57	4.83	-26.0%	3.57	4.83			
Utah	W	W	W	3.62	4.77	W	W	
Wyoming	5.62	6.92	-19.0%	5.62	6.92			
Pacific Contiguous	3.74	4.99	-25.0%	4.07	5.14	3.37	4.86	
California	3.80	5.12	-26.0%	4.13	5.41	3.47	4.93	
Oregon	3.19	W	W	3.45	4.32	2.99	W	
Washington	4.37	W	W	4.37	5.09		W	
Pacific Noncontiguous	5.93	4.58	29.0%	5.93	4.58	-		
Alaska	5.93	4.58	29.0%	5.93	4.58	-		
Hawaii								
U.S. Total	4.16	7.28	-43.0%	4.25	6.20	4.07	8.51	

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 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.

Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, January 2015

		Bituminous			Subbituminous			Lignite	
		Average Sulfur	Average Ash		Average Sulfur	Average Ash		Average Sulfur	Average Ash
Census Division	Receipts	Percent by	Percent by	Receipts	Percent by	Percent by	Receipts	Percent by	Percent by
and State	(Thousand Tons)	Weight		(Thousand Tons)	Weight	Weight	(Thousand Tons)	Weight	Weight
New England Connecticut	287	0.84	7.3	0	-	<u>-</u>	0		-
Maine	15	0.82	8.8	0	-		0		
Massachusetts	173	0.57	7.3	0			0		
New Hampshire	100	1.27	7.0	0	-		0		
Rhode Island	0	1.27	7.0	0	-		0		
	0	-		0	-		0		
Vermont	2,522	2.84	40.7	45	0.24		0		
Middle Atlantic	2,522	1.38	10.7 8.4	45	0.24	5.6	0		
New Jersey	43		11.5	45	0.24		0		-
New York		1.50		45	0.24	5.6	0		-
Pennsylvania	2,367	2.93	10.8	8,698	0.24	4.9	0		-
East North Central	7,572	3.04					-		
Illinois	940	3.56	20.1	4,950	0.21	4.8	0		
Indiana	3,298	2.89	8.9	274	0.30	5.0	v		
Michigan	146	1.54	8.9	1,554	0.29	5.0	0		
Ohio	3,100 88	3.16 2.34	9.3	31	0.22 0.26	5.3	0		
Wisconsin			8.0	1,890		5.2	ů		
West North Central	142	3.42	8.9	10,721	0.29	5.3	2,072	0.86	10.1
lowa	35	3.50	8.0	1,615	0.29	5.0	0		
Kansas	25	3.74	14.4	1,535	0.32	5.4	0		-
Minnesota	0			1,850	0.39	6.6	0		
Missouri	83	3.29	7.7	4,285	0.23	4.8	0		
Nebraska	0			1,158	0.29	5.3	0		
North Dakota	0		-	65	0.34	4.1	2,072	0.86	10.1
South Dakota	0			212	0.37	5.3	0		
South Atlantic	8,860	2.24	9.8	1,174	0.32	4.9	0		-
Delaware	35	2.49	7.5	0	-	-	0		
District of Columbia	0			0			0		
Florida	1,554	2.46	8.0	0			0		
Georgia	615	1.81	9.4	1,162	0.32	4.9	0		
Maryland	606	2.17	9.8	13	0.22	6.5	0		
North Carolina	1,608	1.77	9.7	0	-		0		
South Carolina	1,086	1.67	8.8	0			0		
Virginia	568	1.27	10.1	0	-		0		
West Virginia	2,789	2.91	11.3	0			0		
East South Central	4,582	2.57	9.2	2,343	0.27	4.8	298	0.47	13.1
Alabama	794	1.84	9.8	972	0.27	5.5	0		
Kentucky	3,002	2.91	9.2	871	0.30	4.1	0		
Mississippi	167	2.03	8.9	81	0.27	5.7	298	0.47	13.1
Tennessee	620	2.04	9.0	418	0.24	4.7	0		-
West South Central	117	2.09	17.3	9,811	0.28	5.2	3,331	0.94	16.2
Arkansas	6	0.62	9.1	1,592	0.26	5.3	0		-
Louisiana	46	3.11	9.2	916	0.29	5.4	276	0.70	13.9
Oklahoma	64	1.47	24.6	1,857	0.26	4.9	0		-
Texas	0			5,446	0.30	5.2	3,055	0.96	16.5
Mountain	2,490	0.62	13.8	6,351	0.51	9.0	0		
Arizona	700	0.58	10.5	1,335	0.65	10.5	0		-
Colorado	297	0.54	11.3	1,287	0.33	5.7	0		
Idaho	0			0			0		
Montana	0			848	0.64	10.1	0		-
Nevada	0			160	0.37	8.4	0		-
New Mexico	493	0.75	25.6	483	0.74	21.3	0		
Utah	1,001	0.61	12.0	45	0.93	7.9	0		
Wyoming	0		-	2,193	0.44	7.1	0		
Pacific Contiguous	74	0.52	10.6	672	0.33	8.2	0		-
California	74	0.52	10.6	0	-	-	0		-
Oregon	0			160	0.23	4.6	0		-
Washington	0			512	0.36	9.3	0		-
Pacific Noncontiguous	57	1.20	4.9	0	-	-	0		-
Alaska	0			0		-	0		-
Hawaii	57	1.20	4.9	0	-	-	0		
U.S. Total	26,704	2.42	10.2	39,815	0.31	5.8	5,701	0.89	13.9

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells. 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 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilties by State, January 2015

		Bituminous			Subbituminous			Lignite	
		Average Sulfur	Average Ash		Average Sulfur	Average Ash		Average Sulfur	
Census Division and State	Receipts (Thousand Tons)	Percent by Weight	Percent by Weight	Receipts (Thousand Tons)	Percent by Weight	Percent by Weight	Receipts (Thousand Tons)	Percent by Weight	Percent by Weigh
New England	100	1.27	7.0	(Thousand Tons)	weight	weight	(Thousand Tons)	weight	vveign
Connecticut	0	1.27	7.0	0	-		0		-
Maine	0			0			0		1
Massachusetts	0			0			0		
New Hampshire	100	1.27	7.0	0			0		
Rhode Island	0	1.27	7.0	0			0		
Vermont	0			0			0		
Middle Atlantic	0			0			0		_
New Jersey	0			0			0	-	-
New York	0			0			0		
Pennsylvania	0			0	-		0		-
East North Central	6,104	3.02	9.1	4,028	0.27	5.1	0		-
Illinois	185	3.35	9.6	335	0.24	4.9	0	-	-
Indiana	3,060	2.87	8.8	274	0.30	5.0	0		-
Michigan	109	1.51	9.2	1,554	0.30	5.0	0	-	
Ohio	2,672	3.25	9.4	0	0.23	5.0	0		
Wisconsin	78	2.30	7.9	1,866	0.26	5.2	0	 	
West North Central	97	3.44	9.3	10,656	0.26	5.2	2,072	0.86	10.1
lowa	0	3.44	9.3	1,553	0.29	5.3	2,072	0.00	10.
	25	3.74	14.4	1,535	0.29	5.4	0		-
Kansas Minnesota	25	3.74	14.4	1,848	0.32	6.6	0	-	-
Missouri	72	3.34	7.5	4,285	0.39	4.8	0	-	
Nebraska	0	3.34	7.5	1,158	0.29	5.3	0		-
North Dakota	0			1,136	0.29	4.1	2,072	0.86	10.1
	0	-		212	0.34	5.3	2,072	0.00	10.
South Dakota	7,004	2.06	9.7	1,162	0.37	4.9	0		
South Atlantic		2.06	9.7		0.32	4.9	0		-
Delaware	0			0	-		0		-
District of Columbia	1,554	2.46	8.0	0	-		0		
Florida	579	1.83	9.4	1,162	0.32	4.9	0		
Georgia	0	1.03	9.4	1,162	0.32	4.9	0		
Maryland North Carolina	1,608	1.77	9.7	0	-		0		-
South Carolina	1,070	1.68	8.9	0	-		0	-	-
Virginia	458	1.30	10.1	0			0	-	-
West Virginia	1,736	2.52	11.8	0	-		0		
East South Central	4,432	2.62	9.3	2,343	0.27	4.8	0		-
Alabama	794	1.84	9.3	2,343	0.27	5.5	0		-
	3,002	2.91	9.2	871	0.30	4.1	0		-
Kentucky Mississippi	149	1.93	8.9	81	0.30	5.7	0		-
Tennessee	488	2.38	9.2	418	0.24	4.7	0	-	
West South Central	46	3.11	9.2	6,476	0.24	5.2	838	1.01	18.0
Arkansas	0	3.11	9.2	1,431	0.26	5.3	030	1.01	10.0
Louisiana	46	3.11	9.2	288	0.20	5.6	276	0.70	13.9
Oklahoma	0	3.11	9.2	1,815	0.26	5.0	270	0.70	13.5
Texas	0	-		2,943	0.26	5.2	561	1.18	20.2
Mountain	2,490	0.62	13.8	5,459	0.50	8.9	0	1.10	20.2
Arizona	700	0.58	10.5	1,335	0.65	10.5	0	-	
Colorado	297	0.54	11.3	1,287	0.33	5.7	0		
Idaho	0	3.54		1,207	0.55	5.7	0		
Montana	0	-		0			0		<u> </u>
Nevada	0			115	0.39	9.4	0		
New Mexico	493	0.75	25.6	483	0.74	21.3	0	-	
Utah	1,001	0.75	12.0	463	0.74	7.9	0		
Wyoming	1,001	0.01	12.0	2,193	0.93	7.9	0		-
Pacific Contiguous	0		-	2,193	0.44	4.6	0		-
California	0	-		0	0.23	4.0	0	_	-
	0			160	0.23	4.6	0		
Oregon Washington	0				0.23	4.6	0	-	-
Washington	0			0			0		-
Pacific Noncontiguous			-	0	-	-	-		-
Alaska	0			0	-		0	-	-
Hawaii	0			0			0		-
U.S. Total	20,272	2.32	9.9	30,285	0.32	5.8	2,909	0.90	12.3

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells. 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 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, January 2015

		Bituminous			Subbituminous			Lignite	
Oursey Philippe	B inte	Average Sulfur	Average Ash	Baratara	Average Sulfur	Average Ash	B into	Average Sulfur	Average Ash
Census Division and State	Receipts (Thousand Tons)	Percent by Weight	Percent by Weight	Receipts (Thousand Tons)	Percent by Weight	Percent by Weight	Receipts (Thousand Tons)	Percent by Weight	Percent by Weight
New England	182	0.59	7.4	0			0		
Connecticut	0			0			0		
Maine	9	0.83	8.8	0			0		
Massachusetts	173	0.57	7.3	0			0		
New Hampshire	0			0			0		
Rhode Island	0			0			0		
Vermont	0			0			0		
Middle Atlantic	2,476	2.86	10.7	45	0.24	5.6	0		
New Jersey	112	1.38	8.4	0	-		0		
New York	10	1.53	19.6	45	0.24	5.6	0		
Pennsylvania	2,354	2.94	10.7	0	-		0		
East North Central	1,291	3.09	16.4	4,600	0.21	4.7	0		
Illinois	620	3.66	27.6	4,569	0.21	4.7	0		
Indiana	238	3.21	10.6	0			0		
Michigan	29	1.75	7.7	0	-		0		
Ohio	405	2.55	8.5	31	0.22	5.3	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	1,690	3.00	9.9	13	0.22	6.5	0		
Delaware	35	2.49	7.5	0			0		
District of Columbia	0			0			0		
Florida	0			0			0		
Georgia	0			0			0		
Maryland	569	2.18	9.1	13	0.22	6.5	0		
North Carolina	0			0			0		
South Carolina	0			0			0		
Virginia	77	0.84	10.5	0	-		0		
West Virginia	1,008	3.65	10.3	0	-		0		
East South Central	19	2.87	8.7	0	-		298	0.47	13.1
Alabama	0			0	-		0		
Kentucky	0			0			0		
Mississippi	19	2.87	8.7	0			298	0.47	13.1
Tennessee	0			0	-		0		
West South Central	64	1.47	24.6	3,334	0.32	5.3	2,494	0.91	15.7
Arkansas	0			161	0.27	5.6	0		
Louisiana	0			628	0.29	5.3	0		
Oklahoma	64	1.47	24.6	42	0.22	4.6	0		
Texas	0			2,503	0.33	5.3	2,494	0.91	15.7
Mountain	0			892	0.62	9.9	0		
Arizona	0			0	-		0		
Colorado	0			0	-		0		
Idaho	0			0	-		0		
Montana	0			848	0.64	10.1	0		-
Nevada	0			44	0.33	5.7	0		
New Mexico	0			0		-	0		
Utah	0			0		-	0		-
Wyoming	0			0		-	0		-
Pacific Contiguous	0			512	0.36	9.3	0		-
California	0		-	0		-	0		-
Oregon	0			0			0		
Washington	0			512	0.36	9.3	0		
Pacific Noncontiguous	57	1.20	4.9	0		-	0		
Alaska	0			0		-	0		-
Hawaii	57	1.20	4.9	0			0		
		2.85	11.5	9,395	0.29	5.7	2,792	0.87	15.5

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 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation:

Commercial Sector by State, January 2015

Commercial Sector by State, Same		Bituminous		Subbituminous		Lignite			
		Average Sulfur	Average Ash		Average Sulfur	Average Ash		Average Sulfur	Average Ash
Census Division	Receipts	Percent by	Percent by		Percent by	Percent by	Receipts	Percent by	Percent by
and State	(Thousand Tons)	Weight	Weight	(Thousand Tons)	Weight	Weight	(Thousand Tons)	Weight	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		
	-						0		
New Jersey	0			0					
New York	0			0		-	0		
Pennsylvania	0			0			0		
East North Central	1	2.38	7.9			-	0		
Illinois	0			0			0		
Indiana	0			0			0		
Michigan	1	2.38	7.9	0		-	0	-	
Ohio	0			0			0		
Wisconsin	0			0	_	-	0	-	
West North Central	11	3.03	8.6				0		
lowa	0			0			0		
Kansas	0			0		-	0	-	
Minnesota	0			0			0		
Missouri	11	3.03	8.6				0		
Nebraska	0	5.03	0.0	0			0		
North Dakota	0			0			0		<u></u>
	0			0		-	0		
South Dakota							0		
South Atlantic	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 Oklahoma	0			0		_	0	-	-
Texas	0			0			0		
	0						0		
Mountain	-		-	0		-	ŭ		
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		
	12	2.97	8.5			-	0	-	-
U.S. Total	12	2.97	8.5	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 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation:

Industrial Sector by State, January 2015

		Bituminous			Subbituminous			Lignite	
		Average Sulfur	Average Ash		Average Sulfur	Average Ash		Average Sulfur	Average Ash
Census Division	Receipts	Percent by	Percent by		Percent by	Percent by	Receipts	Percent by	Percent by
	(Thousand Tons)	Weight		(Thousand Tons)	Weight	Weight	(Thousand Tons)	Weight	Weight
New England	6	0.81	8.7		-		0		
Connecticut	0			0			0		
Maine	6	0.81	8.7	0			0		
Massachusetts	0			0	-		0		-
New Hampshire	0			0	-	-	0		
Rhode Island	0			0			0		
Vermont	0			0	-		0		
Middle Atlantic	46	1.62	10.5		-	-	0		
New Jersey	0			0			0		
New York	33	1.49	9.3				0		
Pennsylvania	13	1.93	13.2	0	_		0		
East North Central	176	3.34	8.4		0.37	5.5	0		
	135	3.50	8.0		0.37				
Illinois		3.50	8.0		0.41	5.5	0		
Indiana	0			0		-			
Michigan	7	0.95	9.5		-		0		
Ohio	24	3.52	10.0		-	-	0		
Wisconsin	10	2.65	8.6		0.29	5.4	0		
West North Central	35	3.50	8.0		0.22	4.4	0		
Iowa	35	3.50	8.0		0.22	4.4	0		
Kansas	0			0			0		
Minnesota	0			2	0.27	4.2	0		
Missouri	0			0	-		0		
Nebraska	0			0	-		0		
North Dakota	0			0			0		
South Dakota	0			0	-		0		
South Atlantic	166	1.44	11.9	0	-	-	0		
Delaware	0			0			0		
District of Columbia	0	-		0			0		
Florida	0	_		0	_		0		
Georgia	36	1.48	8.7	0			0		
Maryland	36	2.10	20.9		-		0		
		2.10	20.9		-	-			
North Carolina	0			0	-	-	0		
South Carolina	16	0.72	8.1	0	-		0		
Virginia	32	1.82	8.1	0	-		0		
West Virginia	45	0.89	12.1	0	-		0		
East South Central	132	0.86	8.4		-		0		
Alabama	0			0			0		
Kentucky	0			0			0		
Mississippi	0			0	-		0		
Tennessee	132	0.86	8.4	0	-	-	0		
West South Central	6	0.62	9.1	0	-		0		
Arkansas	6	0.62	9.1	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		
						-	0		
Nevada	0			0	-	-	0		
New Mexico					-				
Utah	0			0			0		
Wyoming	0			0	-		0		
Pacific Contiguous	74	0.52	10.6	0			0		
California	74	0.52	10.6	0			0		
Oregon	0			0			0		
Washington	0			0	-		0		
Pacific Noncontiguous	0			0	-	-	0		-
Alaska	0			0	-	-	0		
	_						0		
Hawaii	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. 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 2014 and 2015 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Table 5.1. Retail Sales of Electricity to Ultimate Customers:

Total by End-Use Sector, 2005 - January 2015 (Million Kilowatthours)

Total by End-Ose Sector,			lu di satulal	Turnamantation	All Castons
Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals	4.050.007	4 075 070	4 040 450	7.500	0.000.000
2005	,,	1,275,079	1,019,156	7,506	3,660,969
2006		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		1,336,133	1,009,516	7,653	3,733,965
2009		1,306,853	917,416	7,768	3,596,795
2010		1,330,199	971,221	7,712	3,754,841
2011	1,422,801	1,328,057	991,316	7,672	3,749,846
2012		1,327,101	985,714	7,320	3,694,650
2013		1,344,206	978,351	7,625	3,725,101
2014	1,402,911	1,357,505	955,488	7,776	3,723,681
2013	101 =01				200 =0.4
January	· ·	107,983	80,260	664	320,701
February	113,123	101,279	76,438	659	291,499
March		104,391	80,102	644	297,241
April		101,886	79,732	630	277,796
May		109,407	84,183	627	289,416
June	,	118,245	83,348	638	320,222
July		128,324	85,905	649	358,755
August		128,003	86,868	645	353,588
Sept	· ·	119,170	82,273	626	323,496
October	98,900	112,548	82,349	591	294,387
November	97,910	103,823	79,201	574	281,509
December	128,975	109,146	77,692	679	316,492
2014					
January	146,177	114,169	77,028	735	338,108
February	128,190	104,570	72,498	700	305,959
March		107,173	77,474	649	299,264
April		102,833	77,227	641	272,887
May		110,375	81,756	649	288,296
June	,	119,153	81,784	608	319,174
July	· ·	126,282	84,208	643	347,411
August	135,383	126,413	85,600	640	348,036
Sept	120,303	120,489	81,714	626	323,133
October	97,701	113,475	81,306	623	293,106
November	99,166	104,391	77,897	637	282,092
December	120,411	108,183	76,995	626	306,215
2015					
January	136,798	111,284	76,946	653	325,682
Year to Date					
2013	131,794	107,983	80,260	664	320,701
2014	146,177	114,169	77,028	735	338,108
2015	136,798	111,284	76,946	653	325,682
Rolling 12 Months Ending in J	anuary				
2014	,,	1,350,392	975,119	7,696	3,742,509
2015	1,393,532	1,354,620	955,407	7,695	3,711,254

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 2013 and prior years are final. Values for 2015 and 2014 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, 2005 - January 2015 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2005	128,393	110,522	58,445	643	298,003
2006	140,582	122,914	62,308	702	326,506
2007	148,295	128,903	65,712	792	343,703
2008	155,496	137,036	70,231	820	363,583
2009	157,044	132,747	62,670	828	353,289
2010	166,778	135,554	65,772	814	368,918
2010	166,714	135,927	67,606	803	371,049
2012	163,280	133,898	65,761	747	363,687
	,	, ,			
2013	169,113	138,229	66,909	805	375,055
2014	175,404	145,889	67,019	798	389,11
2013					
January	15,093	10,550	5,203	70	30,916
February	13,158	10,191	5,078	70	28,496
March	13,011	10,457	5,303	66	28,838
April	11,392	10,146	5,226	65	26,830
May	11,813	11,216	5,641	66	28,736
June	14,797	12,639	5,971	69	33,476
July	18,204	13,791	6,321	71	38,387
August	17,287	13,716	6,326	69	37,398
Sept	15,186	12,583	5,873	68	33,710
October	12,220	11,607	5,587	62	29,476
November	11,839	10,466	5,226	60	27,59
December	15,113	10,867	5,153	69	31,202
2014	10,110	10,007	0,100	55	01,202
January	17,032	11,808	5,347	76	34,263
February	15,279	11,160	5,129	70	31,639
•	· ·			67	
March	13,952	11,423	5,391		30,833
April	11,342	10,778	5,206	64	27,390
May	12,263	11,642	5,511	64	29,480
June	15,266	13,079	5,944	63	34,353
July	17,790	14,112	6,304	68	38,274
August	17,625	13,991	6,316	66	37,999
Sept	15,566	13,368	5,898	68	34,90
October	12,297	12,330	5,650	63	30,34
November	12,356	11,009	5,199	64	28,628
December	14,636	11,188	5,122	64	31,010
2015					
January	16,555	11,461	5,091	70	33,177
Year to Date		·	, ,		· · · · · · · · · · · · · · · · · · ·
2013	15,093	10,550	5,203	70	30,916
2014	17,032	11,808	5,347	76	34,263
2015	16,555	11,461	5,091	70	33,177
Rolling 12 Months Ending in Ja	· ·	11,401	5,091	70	33,171
		120 407	67.050	040	270 404
2014	171,051	139,487	67,052	810	378,401
2015	174,928	145,542	66,764	793	388,026

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 2013 and prior years are final. Values for 2015 and 2014 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, 2005 - January 2015 (Cents per Kilowatthour)

Period	Residential		Industrial	Transportation	All Sectors
Annual Totals				·	
2005	9.45	8.67	5.73	8.57	8.14
2006	10.40	9.46	6.16	9.54	8.90
2007	10.65	9.65	6.39	9.70	9.13
2008	11.26	10.26	6.96	10.71	9.74
2009	11.51	10.16	6.83	10.66	9.82
2010	11.54	10.19	6.77	10.56	9.83
2011	11.72	10.24	6.82	10.46	9.90
2012	11.88	10.09	6.67	10.21	9.84
2013	12.12	10.28	6.84	10.55	10.07
2014	12.50	10.75	7.01	10.27	10.45
2013	.=				
January	11.45	9.77	6.48	10.53	9.64
February	11.63	10.06	6.64	10.56	9.78
March	11.61	10.02	6.62	10.25	9.70
April	11.92	9.96	6.55	10.28	9.66
May	12.41	10.25	6.70	10.50	9.93
June	12.54	10.69	7.16	10.76	10.45
July	12.65	10.75	7.36	10.97	10.70
August	12.52	10.72	7.28	10.77	10.58
Sept	12.51	10.72	7.14	10.77	10.42
October	12.36	10.31	6.79	10.46	10.01
November	12.09	10.08	6.60	10.49	9.80
December	11.72	9.96	6.63	10.49	9.86
2014	11.72	0.00	0.00	10.20	0.00
January	11.65	10.34	6.94	10.29	10.13
February	11.92	10.67	7.07	10.18	10.34
March	12.24	10.66	6.96	10.28	10.30
April	12.30	10.48	6.74	10.02	10.04
May	12.84	10.45	6.74	9.83	10.23
June	12.98	10.98	7.27	10.45	10.76
July	13.05	11.17	7.49	10.51	11.02
August	13.02	11.07	7.43	10.32	10.92
Sept	12.94	11.09	7.22	10.85	10.80
October	12.59	10.87	6.95	10.17	10.35
November	12.46	10.55	6.67	10.10	10.15
December	12.40	10.34	6.65	10.10	10.13
2015	12.13	10.34	0.00	10.25	10.13
January	12.10	10.30	6.62	10.67	10.19
•	12.10	10.30	0.02	10.07	10.19
Year to Date 2013	11.45	9.77	6.48	10.53	9.64
2014	11.65	10.34	6.94	10.29	10.13
2015	12.10	10.30	6.62	10.67	10.19
Rolling 12 Months Ending in J				40 =0	
2014	12.14	10.33	6.88	10.53	10.11
2015	12.55	10.74	6.99	10.30	10.46

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 2013 and prior years are final. Values for 2015 and 2014 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, January 2015 and 2014 (Million Kilowatthours)

	Reside		Comme	ercial	Indus	strial	Transpo	ortation	All Se	ctors
Census Division and State	January 2015	January 2014	January 2015	January 201						
New England	4,788	5,000	4,522	4,597	1,426	1,467	55	58	10,791	11,12
Connecticut	1,298	1,372	1,096	1,133	266	267	17	18	2,677	2,79
Maine	508	510	350	352	249	258	0	0	1,107	1,120
Massachusetts	1,995	2,099	2,206	2,212	572	589	35	37	4,809	4,93
New Hampshire	459	481	385	396	151	159	0	0	995	1,036
Rhode Island	300	308	310	326	65	66	2	3	677	700
Vermont	228	230	176	178	122	128	0	0	526	530
Middle Atlantic	13,209	13,717	13,478	13,525	5,920	6,233	326	380	32,933	33,854
New Jersey	2,649	2,667	3,305	3,225	638	629	24	28	6,616	6,549
New York	4,640	4,851	6,344	6,400	1,428	1,406	246	278	12,659	12,93
Pennsylvania	5,919	6,199	3,829	3,900	3,855	4,198	56	75	13,658	14,37
East North Central	19,270	20,762	15,900	16,255	15,654	16,029	59	70	50,883	53,110
Illinois	4,423	4,783	4,452	4,644	3,493	3,671	51	62	12,420	13,159
Indiana	3,650	4,016	2,090	2,118	3,790	3,773	2	2	9,533	9,909
Michigan	3,411	3,535	3,244	3,236	2,370	2,499	0	1	9,025	9,27
Ohio	5,616	6,050	4,074	4,187	4,053	4,137	5	5	13,749	14,379
Wisconsin	2,169	2,379	2,040	2,070	1,947	1,949	0	0	6,156	6,39
West North Central	10,937	11,947	8,849	9,043	7,126	7,003	5	5	26,917	27,998
lowa	1,546	1,661	1,088	1,129	1,651	1,575	0	0	4,285	4,36
Kansas	1,297	1,398	1,268	1,305	868	887	0	0	3,433	3,590
Minnesota	2,254	2,448	2,036	2,068	1,764	1,731	3	2	6,057	6,250
Missouri	3,652	4,091	2,623	2,705	1,283	1,302	2	3	7,560	8,100
Nebraska	1,060	1,130	803	823	780	820	0	0	2,643	2,773
North Dakota	604	657	600	568	564	477	0	0	1,768	1,70
South Dakota	525	562	431	445	216	211	0	0	1,172	1,21
South Atlantic	34,088	36,937	25,155	25,853	11,415	11,322	114	122	70,772	74,23
Delaware	466	517	324	371	236	170	0	0	1,027	1,058
District of Columbia	206	219	664	737	23	20	26	29	920	1,00
Florida	8,933	9,284	7,016	7,099	1,338	1,353	8	8	17,294	17,74
Georgia	5,537	6,225	3,836	4,000	2,614	2,587	16	15	12,003	12,82
Maryland	2,982	3,265	2,591	2,658	307	299	46	51	5,927	6,27
North Carolina	6,176	6,741	3,939	4,093	2,060	2,014	1	1	12,176	12,84
South Carolina	3,107	3,389	1,788	1,910	2,326	2,353	0	0	7,221	7,652
Virginia	5,202	5,591	4,270	4,206	1,330	1,488	18	18	10,819	11,303
West Virginia	1,478	1,706	726	779	1,181	1,038	0	0	3,386	3,52
East South Central	12,300	13,819	7,264	7,647	8,612	8,481	0	0	28,177	29,94
Alabama	3,256	3,778	1,859	1,978	2,883	2,802	0	0	7,999	8,558
Kentucky	2,926	3,294	1,609	1,736	2,539	2,556	0	0	7,074	7,586
Mississippi	1,768	1,956	1,061	1,084	1,351	1,374	0	0	4,180	4,414
Tennessee	4,350	4,791	2,735	2,849	1,839	1,749	0	0	8,924	9,389
West South Central	20,033	21,141	15,027	15,576	13,078	13,124	15	16	48,154	49,856
Arkansas	1,893	2,040	944	969	1,235	1,335	0	NM	4,071	4,34
Louisiana	2,801	3,120	1,938	1,987	2,694	2,540	1	1	7,434	7,648
Oklahoma	2,262	2,390	1,540	1,513	1,393	1,327	0	0	5,194	5,230
Texas	13,078	13,591	10,605	11,107	7,757	7,921	14	14	31,454	32,63
Mountain	8,253	8,208	7,403	7,437	6,785	6,478	12	12	22,452	22,13
Arizona	2,336	2,289	2,191	2,184	1,164	1,051	1	0	5,691	5,523
Colorado	1,687	1,702	1,664	1,630	1,246	1,192	6	6		4,529
Idaho	913	947	533	559	505	553	0	0	1,951	2,060
Montana	572	580	448	450	352	334	0	0	1,371	1,364
Nevada	987	918	648	642	1,122	1,029	1	1	2,757	2,589
New Mexico	656	643	696	696	596	591	0	0	1,947	1,93
Utah	788	804	869	921	880	836	5	5	2,542	2,56
Wyoming	313	325	355	356	921	892	0	0	1,589	1,572
Pacific Contiguous	13,491	14,193	13,195	13,729	6,538	6,482	68	73	33,293	34,47
California	7,558	7,727	9,261	9,677	3,329	3,246	65	70	20,214	20,72
Oregon	2,005	2,181	1,350	1,392	958	927	2	2	4,315	4,502
Washington	3,929	4,284	2,584	2,661	2,251	2,309	0	1	8,764	9,25
Pacific Noncontiguous	430	453	489	507	391	409	0	0	1,310	1,369
Alaska	219	234	253	256	110	120	0	0	582	610
Hawaii	211	220	236	251	281	289	0	0	728	760
	136,798	146,177	111,284	114,169	76,946	77,028	653	735	325,682	338,108

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.

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

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

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

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

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

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

Table 5.4.B. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through January 2015 and 2014 (Million Kilowatthours)

Census Division and State New England Connecticut Maine Massachusetts New Hampshire	Reside January 2015 YTD 4,788 1,298	January 2014 YTD 5,000	January 2015 YTD 4,522	January 2014 YTD	Indu: January 2015 YTD	January 2014 YTD	Transpo January 2015 YTD	January 2014 YTD	All Se January 2015 YTD	January 2014 YTD
Connecticut Maine Massachusetts	1,298	5,000	4.500					110		110
Maine Massachusetts			4,522	4,597	1,426	1,467	55	58	10,791	11,122
Massachusetts		1,372	1,096	1,133	266	267	17	18	2,677	2,791
	508	510	350	352	249	258	0	0	1,107	1,120
New Hampshire	1,995	2,099	2,206	2,212	572	589	35	37	4,809	4,937
	459	481	385	396	151	159	0	0	995	1,036
Rhode Island	300	308	310	326	65	66	2	3	677	703
Vermont	228	230	176	178	122	128	0	0	526	536
Middle Atlantic	13,209	13,717	13,478	13,525	5,920	6,233	326	380	32,933	33,854
New Jersey	2,649	2,667	3,305	3,225	638	629	24	28	6,616	6,549
New York	4,640	4,851	6,344	6,400	1,428	1,406	246	278	12,659	12,934
Pennsylvania	5,919 19,270	6,199 20,762	3,829 15,900	3,900	3,855 15.654	4,198 16,029	56 59	75	13,658	14,371 53,116
East North Central	-, -			16,255	-,			70	50,883	
Illinois Indiana	4,423 3,650	4,783 4,016	4,452 2,090	4,644 2,118	3,493 3,790	3,671 3,773	51	62	12,420 9,533	13,159 9,909
Michigan	3,411	3,535	3,244	3,236	2,370	2,499	0		9,025	9,909
	5,616	6,050	4,074	3,236 4,187	4,053	4,137	5	1	13,749	14,379
Ohio Wisconsin	2,169	2,379	2,040	2,070	1,947	1,949	0	5	6,156	6,397
West North Central	10,937	2,379 11,947	2,040 8,849	9,043	7,126	7,003	5	0	26,917	27,998
lowa	1.546	1,661	1,088	1,129	1,126	1,575	0	0	4,285	4,365
Kansas	1,297	1,398	1,268	1,305	868	887	0	0	3,433	3,590
Minnesota	2.254	2,448	2,036	2,068	1,764	1,731	3	2	6,057	6,250
Missouri	3,652	4.091	2,623	2,705	1,283	1,302	2	3	7,560	8,100
Nebraska	1,060	1,130	803	823	780	820	0	0	2,643	2,773
North Dakota	604	657	600	568	564	477	0	0	1,768	1,703
South Dakota	525	562	431	445	216	211	0	0	1,172	1,217
South Atlantic	34,088	36,937	25,155	25,853	11,415	11,322	114	122	70,772	74,234
Delaware	466	517	324	371	236	170	0	0	1,027	1,058
District of Columbia	206	219	664	737	23	20	26	29	920	1,005
Florida	8,933	9,284	7,016	7,099	1,338	1,353	8	8	17,294	17,744
Georgia	5,537	6,225	3,836	4,000	2,614	2,587	16	15	12,003	12,827
Maryland	2,982	3,265	2,591	2,658	307	299	46	51	5,927	6,273
North Carolina	6,176	6,741	3,939	4,093	2,060	2,014	1	1	12,176	12,848
South Carolina	3,107	3,389	1,788	1,910	2,326	2,353	0	0	7,221	7,652
Virginia	5,202	5,591	4,270	4,206	1,330	1,488	18	18	10,819	11,303
West Virginia	1,478	1,706	726	779	1,181	1,038	0	0	3,386	3,524
East South Central	12,300	13,819	7,264	7,647	8,612	8,481	0	0	28,177	29,947
Alabama	3,256	3,778	1,859	1,978	2,883	2,802	0	0	7,999	8,558
Kentucky	2,926	3,294	1,609	1,736	2,539	2,556	0	0	7,074	7,586
Mississippi	1,768	1,956	1,061	1,084	1,351	1,374	0	0	4,180	4,414
Tennessee	4,350	4,791	2,735	2,849	1,839	1,749	0	0	8,924	9,389
West South Central	20,033	21,141	15,027	15,576	13,078	13,124	15	16	48,154	49,856
Arkansas	1,893	2,040	944	969	1,235	1,335	0	NM	4,071	4,344
Louisiana	2,801	3,120	1,938	1,987	2,694	2,540	1	1	7,434	7,648
Oklahoma	2,262	2,390	1,540	1,513	1,393	1,327	0	0	5,194	5,230
Texas Mountain	13,078 8,253	13,591 8,208	10,605 7,403	11,107 7,437	7,757 6,785	7,921 6,478	14 12	14 12	31,454 22,452	32,634 22,135
	2,336	2,289	2,191	2,184		1,051	12	12	5,691	5,523
Arizona Colorado	1,687	1,702	1,664	1,630	1,164 1,246	1,192	6	6	4,603	4,529
Idaho	913	947	533	559	1,246	1,192	0	0	1,951	2,060
Montana	572	580	448	450	352	334	0	0	1,371	1,364
Nevada	987	918	648	642	1,122	1,029	1	1	2,757	2,589
New Mexico	656	643	696	696	596	591	0	0	1,947	1,931
Utah	788	804	869	921	880	836	5	5	2,542	2,567
Wyoming	313	325	355	356	921	892	0	0	1,589	1,572
Pacific Contiguous	13,491	14,193	13,195	13,729	6,538	6,482	68	73	33,293	34,477
California	7,558	7,727	9,261	9,677	3,329	3,246	65	70	20,214	20,721
Oregon	2,005	2,181	1,350	1,392	958	927	2	2	4,315	4,502
Washington	3,929	4,284	2,584	2,661	2,251	2,309	0	1	8,764	9,255
Pacific Noncontiguous	430	453	489	507	391	409	0	0	1,310	1,369
Alaska	219	234	253	256	110	120	0	0	582	610
Hawaii	211	220	236	251	281	289	0	0	728	760
U.S. Total	136,798	146,177	111,284	114,169	76,946	77,028	653	735	325,682	338,108

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

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

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

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

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

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

consumers, and reclassifications.

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

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

Table 5.5.A. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector,

by State, January 2015 and 2014 (Million Dollars)

	15 and 2014 (MI Reside		Comm	ercial	Indu	strial	Transp	ortation	All Se	ectors
Census Division and State	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014
New England	946	859	741	707	178	186	7	6	1,871	1,758
Connecticut	273	251	184	178	35	36	2	3	494	469
Maine	79	74	52	50	25	30	0	0	156	154
Massachusetts	415	353	365	342	75	77	5	NM	860	775
New Hampshire	88	80	61	61	19	20	0	0	168	160
Rhode Island	53	62	55	51	10	9	0	0	119	122
Vermont	38	39	25	25	13	13	0	0	75	78
Middle Atlantic	2,065	2,144	1,689	1,900	423	556	41	46	4,218	4,645
New Jersey	406	407	396	447	66	95	3	3	871	952
New York	895	947	928	1,048	87	104	34	36	1,944	2,135
Pennsylvania	764	790	365	405	270	356	4	7	1,404	1,558
East North Central	2,336	2,341	1,521	1,530	1,049	1,111	4	4	4,910	4,985
Illinois	509	467	383	386	223	232	3	3	1,118	1,088
Indiana	389	408	201	200	255	260	0	0	845	868
Michigan	464	490	326	340	157	194	0	0	947	1,024
Ohio	677	664	394	390	270	283	0	0	1,342	1,337
Wisconsin	298	312	216	214	144	142	0	0	658	668
West North Central	1,101	1,164	753	757	455	443	0	0	2,309	2,365
Iowa	158	166	89	90	89	86	0	0	336	342
Kansas	147	153	121	122	64	63	0	0	332	338
Minnesota	259	277	185	189	118	119	0	0	562	585
Missouri	337	363	205	207	71	73	0	0	613	643
Nebraska	97	101	67	67	53	54	0	0	217	223
North Dakota	50	51	49	44	45	34	0	0	144	129
South Dakota	53	53	38	36	15	15	0	0	106	104
South Atlantic	3,850	4,102	2,404	2,512	750	790	10	11	7,015	7,415
Delaware	64	65	37	41	20	18	0	0	120	123
District of Columbia	29	28	84	98	2	1	NM	3	117	129
Florida	1,065	1,101	695	691	111	107	1	1	1,872	1,900
Georgia	578	674	375	432	153	183	1	1	1,107	1,290
Maryland	402	429	285	306	28	34	4	5	719	775
North Carolina	651	694	333	353	129	128	0	0	1,113	1,174
South Carolina	366	395	177	194	139	155	0	0	682	743
Virginia	562	564	362	338	99	101	2	1	1,025	1,005
West Virginia	134	154	57	60	69	62	0	0	260	276
East South Central	1,265	1,386	734	766	489	529	0	0	2,488	2,681
Alabama	358	405	198	213	161	174	0	0	716	791
Kentucky	278	310	143	154	131	157	0	0	552	621
Mississippi	196	204	116	114	88	87	0	0		405
Tennessee	433	467	276	285	109	112	0	0		864
West South Central	2,115	2,152	1,206	1,245	740	741	1	1	4,062	4,139
Arkansas	165	169	72	72	70	74	0	NM	307	315
Louisiana	247	265	171	172	148	137	0	0	566	574
Oklahoma	194	199	108	113	70	69	0	0	**-	381
Texas	1,510	1,519	855	889	451	461	1	1	2,816	2,870
Mountain	918	888	684	666	410	394	1	1	2,014	1,948
Arizona	258	250	209	202	68	64	0	0	534	516
Colorado	192	195	153	153	83	82	1	1	429	430
Idaho	88	87	40	41	28	30	0	0	157	158
Montana	61	57	49	42	18	19	0	0	128	118
Nevada	125	114	62	62	67	61	0	0	254	238
New Mexico	80	73	71	66	37	35	0	0	100	174
Utah	81	80	69	71	50	46	0	1	201	198
Wyoming	32	32	31	30	60	56	0	0	123	118
Pacific Contiguous	1,846	1,872	1,611	1,595	507	491	5	6	-,	3,963
California	1,320	1,284	1,295	1,264	357	335	5	6	2,978	2,889
Oregon	206	220	118	121	55	55	0	0	380	396
Washington	319	368	198	210	95	100	0	0		678
Pacific Noncontiguous	113	125	117	130	91	107	0	0	321	362
Alaska	42	43	44	43	16	18	0	0	102	103
Hawaii	70	82	73	88	75	89	0	0	219	259
U.S. Total	16,555	17,032	11,461	11,808	5,091	5,347	70	76	33,177	34,263

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

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

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

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

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

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

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

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

Table 5.5.B. Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector,

by State, Year-to-Date through January 2015 and 2014 (Million Dollars)

Residential Census Division January 2015 January			Comm		Indu	strial	Transpe	ortation	All Se	ectors
Census Division and State		January 2014 YTD	January 2015 YTD	January 2014 YTD	January 2015 YTD	January 2014 YTD	January 2015 YTD		January 2015 YTD	January 2014
New England	946	859	741	707	178	186	7	6	1,871	1,758
Connecticut	273	251	184	178	35	36	2	3	494	469
Maine	79	74	52	50	25	30	0	0	156	154
Massachusetts	415	353	365	342	75	77	5	NM	860	775
New Hampshire	88	80	61	61	19	20	0	0	168	160
Rhode Island	53	62	55	51	10	9	0	0	119	122
Vermont	38	39	25	25	13	13	0	0	75	78
Middle Atlantic	2,065	2,144	1,689	1,900	423	556	41	46	4,218	4,645
New Jersey	406	407	396	447	66	95	3	3	871	952
New York	895	947	928	1,048	87	104	34	36	1,944	2,135
Pennsylvania	764	790	365	405	270	356	4	7	1,404	1,558
East North Central	2,336	2,341	1,521	1,530	1,049	1,111	4	4	4,910	4,985
Illinois	509	467	383	386	223	232	3	3	1,118	1,088
Indiana	389	408	201	200	255	260	0	0	845	868
Michigan	464	490	326	340	157	194	0	0	947	1,024
Ohio	677	664	394	390	270	283	0	0	1,342	1,337
Wisconsin	298	312	216	214	144	142	0	0	658	668
West North Central	1,101	1,164	753	757	455	443	0	0	2,309	2,365
lowa	158	166	89	90	89	86	0	0	336	342
Kansas	147	153	121	122	64	63	0	0	332	338
Minnesota	259	277	185	189	118	119	0	0	562	588
Missouri	337	363	205	207	71	73	0	0		643
Nebraska	97	101	67	67	53	54	0	0	217	223
North Dakota	50	51	49	44	45	34	0	0	144	129
South Dakota	53	53	38	36	15	15	0	0	106	104
South Atlantic	3,850	4.102	2,404	2,512	750	790	10	11	7,015	7,415
Delaware	64	4,102	37	41	20	18	10	0	120	123
District of Columbia	29	28	84	98	20	10	NM	3	117	129
Florida	1,065	1,101	695	691	111	107	1 1	1	1,872	1,900
Georgia	578	674	375	432	153	183	1	1	1,107	1,290
Maryland	402	429	285	306	28	34	4	5	719	775
North Carolina	651	694	333	353	129	128	0	0	1,113	1,174
South Carolina	366	395	177	194	139	155	0	Ů	682	743
Virginia	562	564	362	338	99	101	2	1	1,025	1,005
West Virginia	134	154	57	60	69	62	0		260	276
East South Central	1,265	1,386	734	766	489	529	0	0	2,488	2,68
Alabama	358	405	198	213	161	174	0	0	716	79
Kentucky	278	310	143	154	131	157	0	0	552	62
Mississippi	196	204	116	114	88	87	0	0		405
Tennessee	433	467	276	285	109	112	0			864
West South Central	2,115	2,152	1,206	1,245	740	741	1	1	4,062	4,139
Arkansas	165	169	72	72	70	74	0	NM	307	315
Louisiana	247	265	171	172	148	137	0		566	574
Oklahoma	194	199	108	113	70	69	0	0	372	38
Texas	1,510	1,519	855	889	451	461	1	1	2,816	2,870
Mountain	918	888	684	666	410	394	1	1	2,014	1,948
Arizona	258	250	209	202	68	64	0	0	534	516
Colorado	192	195	153	153	83	82	1	1	429	430
Idaho	88	87	40	41	28	30	. 0	n	157	158
Montana	61	57	49	42	18	19	0	0	128	118
Nevada	125	114	62	62	67	61	0	0		238
New Mexico	80	73	71	66	37	35	0	0	188	174
Utah	81	80	69	71	50	46	0	1	201	198
Wyoming	32	32	31	30	60	56	0	0		118
Pacific Contiguous	1,846	1,872	1,611	1,595	507	491	5	6	3,970	3,963
California	1,320	1,284	1,295	1,264	357	335	5	6	2,978	2,889
Oregon	206	220	1,295	1,204	55	55	0	0	380	396
Washington	319	368	198	210	95	100	0	0	612	678
	113	125	117	130	95	100	0	0	321	362
Pacific Noncontiguous	42	125	117 44	130 43	16	107	0	0	102	103
	42	43	44	43	16	10	U	ı U	102	103
Alaska Hawaii	70	82	73	88	75	89	0	0	219	259

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 Giossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

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

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

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

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

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

Table 5.6.A. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, January 2015 and 2014 (Cents per Kilowatthour)

	Reside	ents per Kilowa	Comm	orcial	Indus	etrial	Transpo	ortation	All Se	octore
Census Division and State	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014	January 2015	January 2014
New England	19.75	17.17	16.39	15.38	12.45	12.71	12.57	10.78	17.34	15.81
Connecticut	21.00	18.29	16.79	15.74	13.20	13.45	10.84	18.50	18.44	16.79
Maine	15.62	14.45	14.81	14.31	10.07	11.79	-	-	14.12	13.79
Massachusetts	20.80	16.83	16.53	15.45	13.16	13.10	13.04	NM	17.87	15.69
New Hampshire	19.15	16.54	15.75	15.30	12.83	12.79	-	-	16.87	15.49
Rhode Island	17.72	20.16	17.85	15.48	15.32	14.20	17.95	15.92	17.55	17.41
Vermont	16.48	16.94	14.06	14.26	10.32	10.36	-	-	14.24	14.47
Middle Atlantic	15.64	15.63	12.53	14.05	7.14	8.91	12.57	12.03	12.81	13.72
New Jersey	15.31	15.26	11.98	13.88	10.35	15.11	12.58	10.29	13.16	14.54
New York	19.29	19.53	14.62	16.37	6.09	7.41	13.79	13.08	15.36	16.51
Pennsylvania	12.92	12.74	9.54	10.38	7.00	8.49	7.18	8.74	10.28	10.84
East North Central	12.12	11.27	9.57	9.41	6.70	6.93	6.68	5.47	9.65	9.39
Illinois	11.50	9.76	8.61	8.31	6.38	6.32	6.44	5.11	9.00	8.27
Indiana	10.64	10.16	9.63	9.44	6.72	6.88	9.66	9.23	8.86	8.76
Michigan	13.60	13.85	10.05	10.52	6.64	7.78	11.91	13.59	10.50	11.05
Ohio	12.05	10.98	9.67	9.31	6.66	6.83	7.38	7.06	9.76	9.30
Wisconsin	13.74	13.10	10.60	10.34	7.39	7.30	-	_	10.69	10.44
West North Central	10.07	9.75	8.51	8.37	6.38	6.33	8.15	7.76	8.58	8.45
Iowa	10.22	9.99	8.16	8.01	5.40	5.46			7.84	7.84
Kansas	11.34	10.94	9.53	9.33	7.36	7.11		-	9.67	9.41
Minnesota	11.51	11.33	9.07	9.15	6.68	6.85	9.55	9.49	9.28	9.37
Missouri	9.23	8.86	7.80	7.67	5.52	5.59	6.48	6.20	8.10	7.94
Nebraska	9.15	8.94	8.34	8.19	6.75	6.63			8.19	8.03
North Dakota	8.34	7.78	8.11	7.79	7.98	7.10			8.15	7.59
South Dakota	10.02	9.43	8.80	8.21	7.03	6.92			9.02	8.55
South Atlantic	11.30	11.11	9.56	9.72	6.57	6.97	8.79	9.23	9.91	9.99
Delaware	13.76	12.48	11.32	10.93	8.31	10.67	0.75	3.20	11.74	11.65
District of Columbia	13.84	12.60	12.59	13.26	7.76	4.42	NM	9.72	12.68	12.84
Florida	11.93	11.86	9.91	9.74	8.31	7.93	9.19	9.27	10.83	10.71
Georgia	10.43	10.83	9.78	10.80	5.86	7.08	5.38	6.81	9.22	10.06
Maryland	13.47	13.14	10.99	11.52	9.14	11.51	9.16	10.11	12.13	12.35
North Carolina	10.54	10.29	8.44	8.62	6.27	6.34	7.67	8.02	9.14	9.14
South Carolina	11.77	11.65	9.92	10.13	5.97	6.57			9.45	9.71
Virginia	10.80	10.09	8.48	8.04	7.45	6.79	8.75	8.03	9.47	8.89
West Virginia	9.06	9.01	7.81	7.71	5.86	5.99	10.04	9.92	7.68	7.83
East South Central	10.28	10.03	10.10	10.02	5.68	6.24	8.18	12.89	8.83	8.95
Alabama	10.99	10.72	10.63	10.75	5.58	6.20			8.95	9.25
Kentucky	9.50	9.42	8.90	8.88	5.15	6.13	_		7.80	8.19
Mississippi	11.06	10.44	10.97	10.53	6.54	6.31			9.58	9.18
Tennessee	9.96	9.74	10.10	10.00	5.94	6.41	8.18	12.89	9.18	9.20
West South Central	10.56	10.18	8.03	7.99	5.66	5.65	5.56	5.37	8.43	8.30
Arkansas	8.73	8.29	7.62	7.40	5.65	5.54	10.88	NM	7.54	7.25
Louisiana	8.80	8.49	8.84	8.68	5.50	5.37	8.38	9.41	7.62	7.51
Oklahoma	8.56	8.32	7.03	7.44	5.06	5.23	0.00	3.41	7.17	7.28
Texas	11.54	11.18	8.06	8.00	5.82	5.82	5.33	5.08	8.95	8.79
Mountain	11.13	10.81	9.24	8.95	6.04	6.08	9.84	10.20	8.97	8.80
Arizona	11.03	10.91	9.52	9.24	5.84	6.11	8.07	10.20	9.39	9.34
Colorado	11.39	11.44	9.18	9.36	6.65	6.88	9.88	10.72	9.31	9.49
Idaho	9.66	9.17	7.59	7.30	5.64	5.43	3.00	10.72	8.06	7.66
Montana	10.74	9.17	10.84	9.31	5.04	5.43	-	-	9.35	8.64
Nevada	12.70	12.46	9.61	9.64	5.18	5.95	8.70	8.15	9.35	9.18
New Mexico	12.70	12.46	10.24	9.64	6.16	5.95	8.70	8.13	9.22	9.00
	10.33		7.96				40.40	0.07		
Utah Wyoming	10.33	10.00 9.77	7.96 8.75	7.69 8.48	5.63 6.47	5.53 6.31	10.18	9.87	7.89 7.73	7.71 7.51
	10.28		12.21					0.40		11.49
Pacific Contiguous		13.19		11.62	7.76	7.57 10.32	8.04 8.00	8.43 8.42	11.93	
California	17.47	16.62	13.98	13.06	10.74				14.73	13.94
Oregon	10.30	10.08	8.76	8.67	5.78	5.97	9.15	8.46	8.81	8.80
Washington	8.13	8.58	7.66	7.89	4.21	4.34	8.27	8.36	6.98	7.33
Pacific Noncontiguous	26.22	27.50	23.92	25.71	23.24	26.09	-	-	24.47	26.42
Alaska	19.35	18.21	17.26	16.68	14.44	14.70			17.51	16.88
Hawaii	33.34	37.40	31.07	34.92	26.68	30.82		-	30.04	34.08
U.S. Total	12.10	11.65	10.30	10.34	6.62	6.94	10.67	10.29	10.19	10.13

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

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

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

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

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

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

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

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

Table 5.6.B. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through January 2015 and 2014 (Cents per Kilowatthour)

	Reside	ential	Comm	ercial		strial	Transp	ortation		ectors
Census Division	January 2015	January 2014	January 2015	January 2014	January 2015		January 2015		January 2015	
and State	YTD 19.75	YTD 17.17	YTD 16.39	YTD 15.38	YTD 12.45	YTD 12.71	YTD 12.57	YTD 10.78	YTD 17.34	YTD
New England Connecticut	19.75	17.17	16.39	15.38	12.45	12.71	12.57	10.78	17.34	15.81 16.79
							10.84	18.50		
Maine	15.62	14.45	14.81	14.31	10.07	11.79	42.04		14.12	13.79
Massachusetts	20.80	16.83	16.53	15.45	13.16	13.10	13.04	NM	17.87	15.69
New Hampshire Rhode Island	19.15 17.72	16.54 20.16	15.75 17.85	15.30 15.48	12.83 15.32	12.79 14.20	17.95	15.92	16.87 17.55	15.49 17.41
	16.48		14.06			14.20	17.95	15.92		14.47
Vermont	15.48	16.94 15.63	14.06	14.26 14.05	10.32 7.14	10.36 8.91	12.57	12.03	14.24 12.81	14.47
Middle Atlantic										
New Jersey	15.31 19.29	15.26 19.53	11.98	13.88	10.35	15.11	12.58	10.29	13.16	14.54
New York	19.29		14.62	16.37	6.09	7.41	13.79	13.08	15.36	16.51
Pennsylvania	12.92	12.74 11.27	9.54 9.57	10.38 9.41	7.00	8.49 6.93	7.18	8.74 5.47	10.28	10.84 9.39
East North Central					6.70		6.68		9.65	
Illinois	11.50	9.76	8.61	8.31	6.38	6.32	6.44	5.11	9.00	8.27
Indiana	10.64	10.16	9.63	9.44	6.72	6.88	9.66	9.23	8.86	8.76
Michigan	13.60	13.85	10.05	10.52	6.64	7.78	11.91	13.59	10.50	11.05
Ohio	12.05	10.98	9.67	9.31	6.66	6.83	7.38	7.06	9.76	9.30
Wisconsin	13.74	13.10	10.60	10.34	7.39	7.30			10.69	10.44
West North Central	10.07	9.75	8.51	8.37	6.38	6.33	8.15	7.76	8.58	8.45
lowa	10.22	9.99	8.16	8.01	5.40	5.46	-	-	7.84	7.84
Kansas	11.34	10.94	9.53	9.33	7.36	7.11			9.67	9.41
Minnesota	11.51	11.33	9.07	9.15	6.68	6.85	9.55	9.49	9.28	9.37
Missouri	9.23	8.86	7.80	7.67	5.52	5.59	6.48	6.20	8.10	7.94
Nebraska	9.15	8.94	8.34	8.19	6.75	6.63	-	-	8.19	8.03
North Dakota	8.34	7.78	8.11	7.79	7.98	7.10	-	-	8.15	7.59
South Dakota	10.02	9.43	8.80	8.21	7.03	6.92			9.02	8.55
South Atlantic	11.30	11.11	9.56	9.72	6.57	6.97	8.79	9.23	9.91	9.99
Delaware	13.76	12.48	11.32	10.93	8.31	10.67	-	-	11.74	11.65
District of Columbia	13.84	12.60	12.59	13.26	7.76	4.42	NM	9.72	12.68	12.84
Florida	11.93	11.86	9.91	9.74	8.31	7.93	9.19	9.27	10.83	10.71
Georgia	10.43	10.83	9.78	10.80	5.86	7.08	5.38	6.81	9.22	10.06
Maryland	13.47	13.14	10.99	11.52	9.14	11.51	9.16	10.11	12.13	12.35
North Carolina	10.54	10.29	8.44	8.62	6.27	6.34	7.67	8.02	9.14	9.14
South Carolina	11.77	11.65	9.92	10.13	5.97	6.57	-		9.45	9.71
Virginia	10.80	10.09	8.48	8.04	7.45	6.79	8.75	8.03	9.47	8.89
West Virginia	9.06	9.01	7.81	7.71	5.86	5.99	10.04	9.92	7.68	7.83
East South Central	10.28	10.03	10.10	10.02	5.68	6.24	8.18	12.89	8.83	8.95
Alabama	10.99	10.72	10.63	10.75	5.58	6.20	-		8.95	9.25
Kentucky	9.50	9.42	8.90	8.88	5.15	6.13		-	7.80	8.19
Mississippi	11.06	10.44	10.97	10.53	6.54	6.31			9.58	9.18
Tennessee	9.96	9.74	10.10	10.00	5.94	6.41	8.18	12.89	9.18	9.20
West South Central	10.56	10.18	8.03	7.99	5.66	5.65	5.56	5.37	8.43	8.30
Arkansas	8.73	8.29	7.62	7.40	5.65	5.54	10.88	NM	7.54	7.25
Louisiana	8.80	8.49	8.84	8.68	5.50	5.37	8.38	9.41	7.62	7.51
Oklahoma	8.56	8.32	7.03	7.44	5.06	5.23	-	-	7.17	7.28
Texas	11.54	11.18	8.06	8.00	5.82	5.82	5.33	5.08	8.95	8.79
Mountain	11.13	10.81	9.24	8.95	6.04	6.08	9.84	10.20	8.97	8.80
Arizona	11.03	10.91	9.52	9.24	5.84	6.11	8.07		9.39	9.34
Colorado	11.39	11.44	9.18	9.36	6.65	6.88	9.88	10.72	9.31	9.49
Idaho	9.66	9.17	7.59	7.30	5.64	5.43	-	-	8.06	7.66
Montana	10.74	9.88	10.84	9.31	5.18	5.59	-		9.35	8.64
Nevada	12.70	12.46	9.61	9.64	5.93	5.95	8.70	8.15	9.22	9.18
New Mexico	12.18	11.28	10.24	9.49	6.16	5.94	-		9.65	9.00
Utah	10.33	10.00	7.96	7.69	5.63	5.53	10.18	9.87	7.89	7.71
Wyoming	10.28	9.77	8.75	8.48	6.47	6.31	-		7.73	7.51
Pacific Contiguous	13.68	13.19	12.21	11.62	7.76	7.57	8.04	8.43	11.93	11.49
California	17.47	16.62	13.98	13.06	10.74	10.32	8.00	8.42	14.73	13.94
Oregon	10.30	10.08	8.76	8.67	5.78	5.97	9.15	8.46	8.81	8.80
Washington	8.13	8.58	7.66	7.89	4.21	4.34	8.27	8.36	6.98	7.33
Pacific Noncontiguous	26.22	27.50	23.92	25.71	23.24	26.09	-		24.47	26.42
Alaska	19.35	18.21	17.26	16.68	14.44	14.70			17.51	16.88
Hawaii	33.34	37.40	31.07	34.92	26.68	30.82			30.04	34.08
U.S. Total	12.10	11.65	10.30	10.34	6.62	6.94	10.67	10.29	10.19	10.13

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

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

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

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

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

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

consumers, and reclassifications.

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

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

Table 6.1. Electric Generating Summer Capacity Changes (MW) for Utility Scale Units, December 2014 to January 2015

0	As of End of December 2014	Activity During as Report		As of End of January 2015	5 Prior Periods					es in and Total Ne					
								Planned Capa	city Additions	Planned Capaci	ity Reductions	Planned Ne	et Change	Planned Total	Net Summer
Technology	Total In- Service Capacity	Actual Capacity Additions	Actual Capacity Reductions	Total In- Service Capacity	Current Month	Year to Date	Past 12 Months	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)	64,850.1	716.3	328.0	65,238.4	388.3	388.3	4,844.8	0.0	8,454.4	0.0	25.3	0.0	8,429.1	65,238.4	73,667.5
Solar Photovoltaic	8,368.7	370.9	0.6	8,739.0	370.3	370.3	3,150.6	126.9	2,498.3	0.0	0.0	126.9	2,498.3	8,865.9	11,237.3
Solar Thermal without Energy Storage	1,362.5	0.0	0.0	1,362.5	0.0	0.0	371.5	0.0	0.0	0.0	0.0	0.0	0.0	1,362.5	1,362.5
Solar Thermal with Energy Storage	295.4	0.0	0.0	295.4	0.0	0.0	0.0	0.0	116.0	0.0	0.0		116.0	295.4	411.4
Solar Subtotal	10,026.6	370.9	0.6	10,396.9	370.3	370.3	3,522.1	126.9	2,614.3	0.0	0.0	126.9	2,614.3	10,523.8	13,011.2
Conventional Hydroelectric	79,232.6	11.1	2.2	79,241.5	8.9	8.9	34.5	5.8	481.7	0.0	110.4	5.8	371.3	79,247.3	79,612.8
Wood/Wood Waste Biomass	8,330.3	0.0	3.8	8,326.5	-3.8	-3.8	-24.0	0.0	70.6	0.0	23.0	0.0	47.6	8,326.5	8,374.1
Landfill Gas	2,069.1	34.4	0.0	2,103.5	34.4	34.4	100.3	6.4	36.0	0.0	9.0	6.4	27.0	2,109.9	2,130.5
Municipal Solid Waste	2,230.7	0.0	0.0	2,230.7	0.0	0.0	3.0	0.0	85.0	0.0	0.0	0.0	85.0	2,230.7	2,315.7
Other Waste Biomass	817.0	3.0	0.0	820.0	3.0	3.0	14.7	9.9	48.2	0.0	0.0	9.9	48.2	829.9	868.2
Biomass Sources Subtotal	13,447.1	37.4	3.8	13,480.7	33.6	33.6	94.0	16.3	239.8	0.0	32.0	16.3	207.8	13,497.0	13,688.5
Geothermal	2,607.0	0.0	82.0	2,525.0	-82.0	-82.0	-82.0	0.0	1.8	0.0	0.0	0.0	1.8	2,525.0	2,526.8
Renewable Sources Subtotal	170,163.4	1,135.7	416.6	170,882.5	719.1	719.1	8,413.4	149.0	11,792.0	0.0	167.7	149.0	11,624.3	171,031.5	182,506.8
Natural Gas Fired Combined Cycle	229,551.0	283.6	233.0	229,601.6	50.6	50.6	7,707.6	0.0	5,426.2	0.0	6.0	0.0	5,420.2	229,601.6	235,021.8
Natural Gas Fired Combustion Turbine	124,650.5	150.4	4.7	124,796.2	145.7	145.7	161.3	8.8	1,556.3	0.0	1,396.5	8.8	159.8	124,805.0	124,956.0
Natural Gas with Compressed Air Storage	110.0	0.0	0.0	110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110.0	110.0
Other Natural Gas	77,814.6	31.4	4.2	77,841.8	27.2	27.2	-980.8	68.9	471.0	0.0	518.2	68.9	-47.2	77,910.7	77,794.6
Natural Gas Subtotal	432,126.1	465.4	241.9	432,349.6	223.5	223.5	6,888.1	77.7	7,453.5	0.0	1,920.7	77.7	5,532.8	432,427.3	437,882.4
Conventional Steam Coal	299,193.7	11.0	596.5	298,608.2	-585.5	-585.5	-3,742.1	0.0	10.0	0.0	12,381.9	0.0	-12,371.9	298,608.2	286,236.3
Coal Integrated Gasification Combined Cycle	791.0	0.0	0.0	791.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	791.0	791.0
Coal Subtotal	299,984.7	11.0	596.5	299,399.2	-585.5	-585.5	-3,742.1	0.0	10.0	0.0	12,381.9	0.0	-12,371.9	299,399.2	287,027.3
Petroleum Coke	2,319.7	0.0	0.0	2,319.7	0.0	0.0	-17.0	0.0	0.0	0.0	0.0	0.0	0.0	2,319.7	2,319.7
Petroleum Liquids	40,477.7	5.4	0.6	40,482.5	4.8	4.8	-604.1	1.8	8.7	0.0	808.7	1.8	-800.0	40,484.3	39,682.5
Other Gases	2,067.8	0.0	0.0	2,067.8	0.0	0.0	-40.0	0.0	0.0	0.0	3.2	0.0	-3.2	2,067.8	2,064.6
Fossil Fuels Subtotal	776,976.0	481.8	839.0	776,618.8	-357.2	-357.2	2,484.9	79.5	7,472.2	0.0	15,114.5	79.5	-7,642.3	776,698.3	768,976.5
Hydroelectric Pumped Storage	22,411.3	0.0	0.0	22,411.3	0.0	0.0	22.0	0.0	114.0	0.0	0.0	0.0	114.0	22,411.3	22,525.3
Flywheels	43.0	0.0	0.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	43.0
Batteries	149.6	0.0	0.0	149.6	0.0	0.0	4.0	0.0	10.5	0.0	0.0	0.0	10.5	149.6	160.1
Energy Storage Subtotal	22,603.9	0.0	0.0	22,603.9	0.0	0.0	26.0	0.0	124.5	0.0	0.0	0.0	124.5	22,603.9	22,728.4
Nuclear	98,620.9	0.0	0.0	98,620.9	0.0	0.0	-604.3	0.0	1,122.0	0.0	0.0	0.0	1,122.0	98,620.9	99,742.9
All Other	2,108.1	0.0	0.0	2,108.1	0.0	0.0	-10.3	0.0	15.0	0.0	0.0	0.0	15.0	2,108.1	2,123.1
TOTAL NOTES:	1,070,472.3	1,617.5	1,255.6	1,070,834.2	361.9	361.9	10,309.7	228.5	20,525.7	0.0	15,282.2	228.5	5,243.5	1,071,062.7	1,076,077.7

NOTES:
NOTES:
NOTES:
Planned Capacity Additions reflect plans to begin operating new units and plans to uprate existing units.
Planned Capacity Additions reflect plans to reflere or serate existing units.
Planned Capacity Reductions reflect plans to reflere or serate 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 references for and demants to existing units, corrections to previously reported capacities, and reductions not previously reported.
Actual Capacity Reductions reflect references for and demants to existing units, corrections to previously reported.
Capacity from facilities with a total generator namepiate 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.

pacity of Utility Scale Units by Technology and by State, January 2015 and 2014 (Megawatts)

Table 6.2.A. Net Sur									vatts)					
Census Division and State	Renev Sour		Fos Fue		Hydroe Pumped		Other E		Nuc	lear	All Other	Sources	All So	urces
	January	January	January	January	January	January	January	January	January	January	January	January	January	January
New England	2015 4,535.2	2014 4,407.7	2015 22,821.1	2014 23,564.2	2015 1,775.4	2014 1,753.4	2015 3.0	2014 3.0	2015 4,026.0	2014 4,630.3	2015 52.9	2014 52.9	2015 33,213.6	2014 34,411.5
Connecticut	335.6	331.6	6.269.4	6.274.1	29.4	29.4	0.0	0.0	2.102.5	2,102.5	30.9	30.9	8,767.8	8.768.5
Maine	1,815.9	1,809.6	2,663.3	2,667.3	0.0	0.0	0.0	0.0	0.0	0.0	22.0	22.0	4,501.2	4,498.9
Massachusetts	859.0	754.5	9,792.4	10,526.8	1,746.0	1,724.0	3.0	3.0	677.3	677.3	0.0	0.0	13,077.7	13,685.6
New Hampshire	930.5	930.5	2,236.7	2,236.7	0.0	0.0	0.0	0.0	1,246.2	1,246.2	0.0	0.0	4,413.4	4,413.4
Rhode Island	50.3	49.5	1,759.8	1,759.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,810.1	1,809.3
Vermont	543.9	532.0	99.5	99.5	0.0	0.0	0.0	0.0	0.0	604.3	0.0	0.0	643.4	1,235.8
Middle Atlantic	10,181.5	10,087.1	69,232.1	69,239.5	3,341.0	3,341.0	40.0	40.0	19,234.3	19,234.3	11.2	11.2	102,040.1	101,953.1
New Jersey	655.9	584.0	14,258.7	13,882.4	420.0	420.0 1,400.0	0.0	20.0	4,107.5	4,107.5	11.2	11.2	19,453.3	19,005.1
New York Pennsylvania	6,670.4 2,855.2	6,649.2 2.853.9	26,426.3 28.547.1	26,428.0 28,929.1	1,400.0 1,521.0	1,400.0	20.0	20.0	5,421.0 9,705.8	5,421.0 9.705.8	0.0	0.0	39,937.7 42.649.1	39,918.2 43.029.8
East North Central	9,684.8	9,146.6	121,126.4	122,181.5	1,872.0	1,872.0	24.0	20.0	18,838.1	18,838.1	109.1	109.1	151,654.4	152,167.3
Illinois	3,722.6	3,718.2	29,667.8	29,654.6	0.0	0.0	0.0	0.0	11,577.5	11,577.5	0.0	0.0	44,967.9	44,950.3
Indiana	1,959.1	1,711.6	25,396.6	25,396.6	0.0	0.0	0.0	0.0	0.0	0.0	88.0	88.0	27,443.7	27,196.2
Michigan	2,180.3	1,910.3	22,333.7	22,477.6	1,872.0	1,872.0	0.0	0.0	3,929.1	3,929.1	0.0	0.0	30,315.1	30,189.0
Ohio	710.0	703.6	28,832.6	29,624.1	0.0	0.0	24.0	20.0	2,134.0	2,134.0	0.0	0.0	31,700.6	32,481.7
Wisconsin	1,112.8	1,102.9	14,895.7	15,028.6	0.0	0.0	0.0	0.0	1,197.5	1,197.5	21.1	21.1	17,227.1	17,350.1
West North Central	19,298.8	18,196.4	62,516.7	62,131.4	657.0	657.0	1.0	1.0	5,888.0	5,888.0	24.5	24.5	88,386.0	86,898.3
Iowa Kansas	5,743.7 2,990.9	5,207.5 2,990.9	10,125.3 10.174.3	10,118.6 10.077.3	0.0	0.0	0.0	0.0	601.4 1.175.0	601.4 1.175.0	0.0	0.0	16,470.4 14.341.0	15,927.5 14,244.0
Minnesota	3,517.9	3,467.5	10,174.3	10,598.3	0.0	0.0	1.0	1.0	1,673.0	1,673.0	18.4	18.4	15,835.6	15,758.2
Missouri	1,050.8	1,039.1	18,916.8	18,910.6	657.0	657.0	0.0	0.0	1,194.0	1,194.0	0.0	0.0	21,818.6	21,800.7
Nebraska	1,103.5	823.9	6,384.9	6,384.9	0.0	0.0	0.0	0.0	1,244.6	1,244.6	0.0	0.0	8,733.0	8,453.4
North Dakota	2,484.0	2,279.0	4,591.4	4,321.4	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	7,080.7	6,605.7
South Dakota	2,408.0	2,388.5	1,698.7	1,720.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,106.7	4,108.8
South Atlantic	12,797.5	12,362.1	162,582.1	160,804.0	7,905.2	7,905.2	32.0	32.0	24,562.6	24,562.6	902.7	930.0	208,782.1	206,595.9
Delaware	38.3	38.3	3,042.4	3,042.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,080.7	3,080.7
District of Columbia Florida	0.0 1,306.4	0.0 1,303.2	9.0 54.337.5	9.0 53,125.5	0.0	0.0	0.0	0.0	0.0 3,572.0	0.0 3,572.0	0.0 752.7	0.0 780.0	9.0 59.968.6	9.0 58,780.7
Georgia	2,821.6	2,813.6	29,473.5	29,473.5	1,862.2	1,862.2	0.0	0.0	4,061.0	4,061.0	0.0	0.0	38,218.3	38,210.3
Maryland	950.3	910.3	9,609.2	9.713.1	0.0	0.0	0.0	0.0	1,716.0	1,716.0	0.0	0.0	12,275.5	12.339.4
North Carolina	3,277.9	2,893.7	21,939.5	21,939.5	86.0	86.0	0.0	0.0	5,076.1	5,076.1	54.0	54.0	30,433.5	30,049.3
South Carolina	1,769.5	1,769.5	11,774.9	11,974.9	2,716.0	2,716.0	0.0	0.0	6,556.2	6,556.2	0.0	0.0	22,816.6	23,016.6
Virginia	1,747.5	1,747.5	17,037.6	16,162.0	3,241.0	3,241.0	0.0	0.0	3,581.3	3,581.3	96.0	96.0	25,703.4	24,827.8
West Virginia	886.0	886.0	15,358.5	15,364.1	0.0	0.0	32.0	32.0	0.0	0.0	0.0	0.0	16,276.5	16,282.1
East South Central	7,961.0	7,986.2	70,509.6	70,613.2	1,616.3	1,616.3	0.0	0.0	9,857.5	9,857.5	151.4	151.4	90,095.8	90,224.6
Alabama Kentucky	3,889.6 903.6	3,948.6 901.4	22,917.1 20.098.2	23,361.1	0.0	0.0	0.0	0.0	5,043.4	5,043.4 0.0	0.0	0.0	31,850.1 21.001.8	32,353.1 21,003.6
Mississippi	278.2	278.2	14,395.7	13,699.3	0.0	0.0	0.0	0.0	1,413.4	1,413.4	151.4	151.4	16,238.7	15,542.3
Tennessee	2,889.6	2,858.0	13,098.6	13,450.6	1,616.3	1,616.3	0.0	0.0	3,400.7	3,400.7	0.0	0.0	21,005.2	21,325.6
West South Central	22,715.8	19,933.9	146,968.2	144,309.4	288.0	288.0	36.0	36.0	8,904.4	8,904.4	425.9	425.9	179,338.3	173,897.6
Arkansas	1,632.6	1,632.6	11,306.3	11,306.3	28.0	28.0	0.0	0.0	1,819.0	1,819.0	0.0	0.0	14,785.9	14,785.9
Louisiana	642.9	642.9	23,791.9	23,257.3	0.0	0.0	0.0	0.0	2,125.4	2,125.4	202.3	202.3	26,762.5	26,227.9
Oklahoma	4,730.9	4,076.3	18,981.3	18,963.9	260.0	260.0	0.0	0.0	0.0	0.0	0.0	0.0	23,972.2	23,300.2
Texas	15,709.4	13,582.1	92,888.7	90,781.9	0.0	0.0	36.0	36.0	4,960.0	4,960.0	223.6	223.6	113,817.7	109,583.6
Mountain	20,770.0	19,854.8	64,239.2	63,944.2	778.8	778.8	2.6 0.0	2.6	3,937.0	3,937.0	111.4	111.4	89,839.0	88,628.8
Arizona Colorado	4,362.6 3.398.5	4,157.5 3,122.8	19,592.1 11.070.2	19,599.1 11.075.8	216.3 562.5	216.3 562.5	0.0	0.0	3,937.0	3,937.0	0.0 9.3	9.3	28,108.0 15.040.5	27,909.9 14,770.4
Idaho	3,398.5	3,122.8	1,137.4	11,075.8	562.5 0.0	0.0	0.0	0.0	0.0	0.0	9.3	9.3	15,040.5 4,928.7	4,923.7
Montana	3,393.2	3,373.5	2,911.7	2.911.7	0.0	0.0	0.0	0.0	0.0	0.0	44.0	44.0	6.348.9	6,329.2
Nevada	2,290.0	1,987.5	8,250.6	8,684.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,540.6	10,672.1
New Mexico	1,166.9	1,060.4	6,898.6	6,881.1	0.0	0.0	2.6	2.6	0.0	0.0	0.0	0.0	8,068.1	7,944.1
Utah	666.7	666.0	7,629.3	7,000.3	0.0	0.0	0.0	0.0	0.0	0.0	31.8	31.8	8,327.8	7,698.1
Wyoming	1,715.6	1,715.6	6,749.3	6,654.2	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.5	8,476.4	8,381.3
Pacific Contiguous	61,895.1	59,468.3	52,631.5	53,400.5	4,177.6	4,177.6	6.0	6.0	3,373.0	3,373.0	292.4	275.4	122,375.6	120,700.8
California	25,213.7	23,080.6	43,981.2	44,972.2	3,863.6	3,863.6	6.0	6.0	2,240.0	2,240.0	235.6	218.6	75,540.1	74,381.0
Oregon Washington	12,035.9 24,645.5	12,028.1 24,359.6	3,857.4 4,792.9	3,635.4 4,792.9	0.0 314.0	0.0 314.0	0.0	0.0	0.0 1,133.0	0.0 1,133.0	0.0 56.8	0.0 56.8	15,893.3 30,942.2	15,663.5 30,656.3
Pacific Noncontiguous	1,042.8	1,026.0	3,991.9	3,946.0	0.0	0.0	48.0	48.0	1,133.0	1,133.0	26.6	26.6	5,109.3	5,046.6
Alaska	487.4	482.6	1,919.9	1,875.0	0.0	0.0	27.0	27.0	0.0	0.0	0.0	0.0	2,434.3	2,384.6
Hawaii	555.4	543.4	2,072.0	2,071.0	0.0	0.0	21.0	21.0	0.0	0.0	26.6	26.6	2,675.0	2,662.0
U.S. Total	170,882.5	162,469.1	776,618.8	774,133.9	22,411.3	22,389.3	192.6	188.6	98,620.9	99,225.2	2,108.1	2,118.4	1,070,834.2	1,060,524.5

Values are preliminary.

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significiant 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 Sur Census Division	nmer Capaci	ty of Utility	Scale Units Sol		rily Renewa	ble Energy S			anuary 2015	and 2014 (N	legawatts)		T-t-I D-	
and State	Wir	nd	Photov		Solar Ti	hermal	Conver Hydroe		Biomass	Sources	Geoth	ermal	Total Re	newable rces
una otato	January	January	January	January	January	January	January	January	January	January	January	January	January	January
	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014
New England	801.7	800.9	279.8	159.4	0.0	0.0	1,958.9	1,952.6	1,494.8	1,494.8	0.0	0.0	4,535.2	4,407.7
Connecticut	0.0	0.0	9.0	5.0	0.0	0.0	122.2	122.2	204.4	204.4	0.0	0.0	335.6	331.6
Maine	430.6	430.6	0.0	0.0	0.0	0.0	733.0	726.7	652.3	652.3	0.0	0.0	1,815.9	1,809.6
Massachusetts	76.1	76.1	239.8	135.3	0.0	0.0	263.0	263.0	280.1	280.1	0.0	0.0	859.0	754.5
New Hampshire	171.0	171.0	0.0	0.0	0.0	0.0	514.4	514.4	245.1	245.1	0.0	0.0	930.5	930.5
Rhode Island	3.8	3.0	6.9	6.9	0.0	0.0	2.7	2.7	36.9	36.9	0.0	0.0	50.3	49.5
Vermont	120.2	120.2	24.1	12.2	0.0	0.0	323.6	323.6	76.0	76.0	0.0	0.0	543.9	532.0
Middle Atlantic	3,098.4	3,082.2	508.6	433.4	0.0	0.0	5,226.8	5,226.8	1,347.7	1,344.7	0.0	0.0	10,181.5	10,087.1
New Jersey	7.5	7.5	415.3	346.4	0.0	0.0	3.3	3.3	229.8	226.8	0.0	0.0	655.9	584.0
New York	1,747.0	1,730.8	51.2	46.2	0.0	0.0	4,332.3	4,332.3	539.9	539.9	0.0	0.0	6,670.4	6,649.2
Pennsylvania	1,343.9	1,343.9	42.1	40.8	0.0	0.0	891.2	891.2	578.0	578.0	0.0	0.0	2,855.2	2,853.9
East North Central	7,417.8	6,958.6	158.9	113.0	0.0	0.0	920.3	920.3	1,187.8	1,154.7	0.0	0.0	9,684.8	9,146.6
Illinois	3,525.1	3,525.1	31.9	31.6	0.0	0.0	34.1	34.1	131.5	127.4	0.0	0.0	3,722.6	3,718.2
Indiana	1,739.7	1,539.7	91.1	49.3	0.0	0.0	60.4	60.4	67.9	62.2	0.0	0.0	1,959.1	1,711.6
Michigan	1,397.3	1,141.1	0.0	0.0	0.0	0.0	331.4	331.4	451.6	437.8	0.0	0.0	2,180.3	1,910.3
Ohio	424.1 331.6	424.1 328.6	35.9	32.1	0.0	0.0	101.9 392.5	101.9 392.5	148.1 388.7	145.5 381.8	0.0	0.0	710.0	703.6
Wisconsin			0.0 9.4	0.0	0.0	0.0					0.0	0.0	1,112.8	1,102.9
West North Central	15,483.7 5,578.4	14,398.2 5,047.0	9.4	1.7 0.0	0.0	0.0	3,290.4 144.9	3,292.2 144.9	515.3 20.4	504.3 15.6	0.0	0.0	19,298.8 5,743.7	18,196.4 5,207.5
Iowa Kansas	2,968.9	2,968.9	0.0	0.0	0.0	0.0	7.0	7.0	20.4 15.0	15.6	0.0	0.0	2,990.9	2,990.9
Minnesota	2,968.9	2,968.9	1.7	1.7	0.0	0.0	184.6	184.2	437.9	437.9	0.0	0.0	3,517.9	3,467.5
Missouri	2,893.7 458.5	2,843.7 458.5	7.7	0.0	0.0	0.0	568.1	570.3	437.9 16.5	10.3	0.0	0.0	1,050.8	1,039,1
Nebraska	810.0	530.4	0.0	0.0	0.0	0.0	277.8	277.8	15.7	15.7	0.0	0.0	1,103.5	823.9
North Dakota	1,964,2	1,759.2	0.0	0.0	0.0	0.0	510.0	510.0	9.8	9.8	0.0	0.0	2,484.0	2,279.0
South Dakota	810.0	790.5	0.0	0.0	0.0	0.0	1,598.0	1,598.0	0.0	0.0	0.0	0.0	2,404.0	2,388.5
South Atlantic	745.3	705.3	919.2	546.7	0.0	0.0	7,193.2	7,193.2	3,939.8	3,916.9	0.0	0.0	12,797.5	12,362.1
Delaware	2.0	2.0	28.3	28.3	0.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	38.3	38.3
District of Columbia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Florida	0.0	0.0	66.4	66.4	0.0	0.0	54.5	54.5	1.185.5	1,182.3	0.0	0.0	1.306.4	1,303.2
Georgia	0.0	0.0	67.6	61.1	0.0	0.0	2,044.9	2,044.9	709.1	707.6	0.0	0.0	2,821.6	2,813.6
Maryland	160.0	120.0	55.2	55.2	0.0	0.0	590.0	590.0	145.1	145.1	0.0	0.0	950.3	910.3
North Carolina	0.0	0.0	699.2	333.2	0.0	0.0	1,997.0	1,997.0	581.7	563.5	0.0	0.0	3,277.9	2,893.7
South Carolina	0.0	0.0	2.5	2.5	0.0	0.0	1,340.3	1,340.3	426.7	426.7	0.0	0.0	1,769.5	1,769.5
Virginia	0.0	0.0	0.0	0.0	0.0	0.0	866.0	866.0	881.5	881.5	0.0	0.0	1,747.5	1,747.5
West Virginia	583.3	583.3	0.0	0.0	0.0	0.0	300.5	300.5	2.2	2.2	0.0	0.0	886.0	886.0
East South Central	29.1	29.1	45.2	13.6	0.0	0.0	6,721.6	6,719.4	1,165.1	1,224.1	0.0	0.0	7,961.0	7,986.2
Alabama	0.0	0.0	0.0	0.0	0.0	0.0	3,272.2	3,272.2	617.4	676.4	0.0	0.0	3,889.6	3,948.6
Kentucky	0.0	0.0	0.0	0.0	0.0	0.0	833.3	831.1	70.3	70.3	0.0	0.0	903.6	901.4
Mississippi	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	278.2	278.2	0.0	0.0	278.2	278.2
Tennessee	29.1	29.1	45.2	13.6	0.0	0.0	2,616.1	2,616.1	199.2	199.2	0.0	0.0	2,889.6	2,858.0
West South Central	18,136.0	15,454.8	185.7	125.9	0.0	0.0	3,062.2	3,072.2	1,331.9	1,281.0	0.0	0.0	22,715.8	19,933.9
Arkansas	0.0	0.0	0.0	0.0	0.0	0.0	1,324.2	1,324.2	308.4	308.4	0.0	0.0	1,632.6	1,632.6
Louisiana	0.0	0.0	0.0	0.0	0.0	0.0	192.0	192.0	450.9	450.9	0.0	0.0	642.9	642.9
Oklahoma	3,779.5	3,132.9	0.0	0.0	0.0	0.0	875.2	867.2	76.2	76.2	0.0	0.0	4,730.9	4,076.3
Texas	14,356.5	12,321.9	185.7	125.9	0.0	0.0	670.8	688.8	496.4	445.5	0.0	0.0	15,709.4	13,582.1
Mountain	7,093.4	6,775.7	2,079.9	1,492.5	363.9	363.9	10,563.5	10,551.0	182.4	184.8	486.9	486.9	20,770.0	19,854.8
Arizona	237.3	237.3	1,074.8	866.9	295.4	295.4	2,720.4	2,719.4	34.7	38.5	0.0	0.0	4,362.6	4,157.5
Colorado	2,566.1	2,302.9	125.5	120.2	0.0	0.0	679.5	672.3	27.4	27.4	0.0	0.0	3,398.5	3,122.8
Idaho	962.7	962.7	0.0	0.0	0.0	0.0	2,708.1	2,704.5	95.7	94.3	10.0	10.0	3,776.5	3,771.5
Montana	632.1	612.4	0.0	0.0	0.0	0.0	2,758.1	2,758.1	3.0	3.0	0.0	0.0	3,393.2	3,373.5
Nevada	150.0	150.0	614.6	312.1	68.5	68.5	1,051.4	1,051.4	3.2	3.2	402.3	402.3	2,290.0	1,987.5
New Mexico	812.3	777.5	263.7	192.0	0.0	0.0	82.9	82.9	6.4	6.4	1.6	1.6	1,166.9	1,060.4
Utah	324.4	324.4	1.3	1.3	0.0	0.0	256.0	255.3	12.0	12.0	73.0	73.0	666.7	666.0
Wyoming	1,408.5	1,408.5	0.0	0.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	1,715.6	1,715.6
Pacific Contiguous	12,167.4	11,923.2	4,520.1	2,682.0	1,294.0	922.5	39,859.2	39,838.7	2,059.3	2,024.8	1,995.1	2,077.1	61,895.1	59,468.3
California	5,933.4	5,956.0	4,506.9	2,668.8	1,294.0	922.5	10,173.4	10,173.4	1,328.6	1,300.5	1,977.4	2,059.4	25,213.7	23,080.6
Oregon	3,160.9	3,160.9	12.7	12.7	0.0	0.0	8,517.1	8,515.7	327.5	321.1	17.7	17.7	12,035.9	12,028.1
Washington	3,073.1	2,806.3	0.5	0.5	0.0	0.0	21,168.7	21,149.6	403.2	403.2	0.0	0.0	24,645.5	24,359.6
Pacific Noncontiguous	265.6	265.6	32.2	20.2	0.0	0.0	445.4	440.6	256.6	256.6	43.0	43.0	1,042.8	1,026.0
Alaska	60.0	60.0	0.0	0.0	0.0	0.0	420.4	415.6	7.0	7.0	0.0	0.0	487.4	482.6
Hawaii	205.6	205.6	32.2	20.2	0.0	0.0	25.0	25.0	249.6	249.6	43.0	43.0	555.4	543.4
U.S. Total	65,238.4	60,393.6	8,739.0	5,588.4	1,657.9	1,286.4	79,241.5	79,207.0	13,480.7	13,386.7	2,525.0	2,607.0	170,882.5	162,469.1

Values are preliminary.

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of existing or planned capacity for some technologies such as solar 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 Sun Census Division	Natural G		Natural G		ily Fossii F	ueis and by	State, Januar	y 2015 and	Petro		Petro	Jaum			To	tol
and State	Combine		Combustic		Other Na	tural Gas	Coal		Co		Liqu		Other	Gases	Fossil	
	January	January	January	January	January	January	January	January	January	January	January	January	January	January	January	January
	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014
New England	11,720.9	11,720.9	1,111.3	1,111.3	868.1	884.9	2,089.3	2,382.7	0.0	0.0	7,031.5	7,464.4	0.0	0.0	22,821.1	23,564.2
Connecticut	2,504.6	2,504.6	482.2	482.2	63.3	75.9	383.4	383.4	0.0	0.0	2,835.9	2,828.0	0.0	0.0	6,269.4	6,274.1
Maine	1,250.0	1,250.0	297.2	297.2	119.0	119.0	85.0	85.0	0.0	0.0	912.1	916.1	0.0	0.0	2,663.3	2,667.3
Massachusetts	5,033.1	5,033.1	328.1	328.1	675.4	679.6	1,087.0	1,380.4	0.0	0.0	2,668.8	3,105.6	0.0	0.0	9,792.4	10,526.8
New Hampshire	1,201.0	1,201.0	3.8	3.8	0.0	0.0	533.9	533.9	0.0	0.0	498.0	498.0	0.0	0.0	2,236.7	2,236.7
Rhode Island	1,732.2	1,732.2	0.0	0.0	10.4	10.4	0.0	0.0	0.0	0.0	17.2	17.2	0.0	0.0	1,759.8	1,759.8
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.5	99.5	0.0	0.0	99.5	99.5
Middle Atlantic	23,096.0 6,521.3	22,426.7 5,852.0	8,768.3 4,066.8	8,760.8	10,144.4 670.4	10,148.3 670.4	18,600.8	19,095.8	11.6 11.6	11.6 11.6	8,510.6 1,112.8	8,695.9 1,296.8	100.4	100.4	69,232.1 14,258.7	69,239.5
New Jersey New York		5,852.0 8,236.0	3,020.5	4,062.8 3,017.0	7,675.4	7,679.3	1,875.8 2,507.3	2,507.3	0.0	0.0	4,987.1	1,296.8	0.0	0.0		13,882.4 26,428.0
Pennsylvania	8,236.0 8,338.7	8,236.0	1,681.0	1,681.0	1,798.6	1,798.6	14.217.7	14,599,7	0.0	0.0	2,410.7	2,410.7	100.4	100.4	26,426.3 28.547.1	28,929.1
East North Central	16,279.6	16,267.1	25,681.2	25,701.7	3,546.3	3,626.7	71,180.1	72,138.7	570.1	570.1	2,927.8	2,935.9	941.3	941.3	121,126.4	122,181.5
Illinois	2,965.5	2,957.7	10.169.6	10.169.6	228.0	228.0	15.498.4	15,498,4	0.0	0.0	688.6	683.2	117.7	117.7	29,667.8	29,654.6
Indiana	2,471.2	2,471.2	3,119.6	3,119.6	8.7	8.7	18,648.2	18,648.2	274.0	274.0	268.4	268.4	606.5	606.5	25,396.6	25,396.6
Michigan	4.214.8	4,210.1	3,590.4	3,614.4	3.020.0	3,117,1	10,946.5	10,946.5	47.2	47.2	514.8	542.3	0.0	0.0	22,333.7	22,477.6
Ohio	3,965.2	3,965.2	5,426.7	5,426.7	131.4	133.4	18,091.3	18.894.8	142.0	142.0	858.9	844.9	217.1	217.1	28,832.6	29,624.1
Wisconsin	2.662.9	2.662.9	3,374.9	3.371.4	158.2	139.5	7.995.7	8.150.8	106.9	106.9	597.1	597.1	0.0	0.0	14.895.7	15.028.6
West North Central	5,730.6	5,730.6	11,579.1	11,374.4	3,338.2	3,169.2	37,714.0	37,701.1	32.0	32.0	4,114.4	4,115.7	8.4	8.4	62,516.7	62,131.4
lowa	1,112.8	1,112.8	1,105.6	1,105.6	299.1	291.1	6,562.3	6,562.3	32.0	32.0	1,013.5	1,014.8	0.0	0.0	10,125.3	10,118.6
Kansas	0.0	0.0	2,350.7	2,350.7	2,131.2	1,996.2	5,150.1	5,188.1	0.0	0.0	542.3	542.3	0.0	0.0	10,174.3	10,077.3
Minnesota	2,158.2	2,158.2	2,580.4	2,580.4	257.2	231.2	4,822.3	4,822.3	0.0	0.0	807.2	806.2	0.0	0.0	10,625.3	10,598.3
Missouri	1,830.0	1,830.0	3,367.6	3,370.9	230.8	230.8	12,343.4	12,332.9	0.0	0.0	1,145.0	1,146.0	0.0	0.0	18,916.8	18,910.6
Nebraska	339.6	339.6	1,152.2	1,152.2	407.3	407.3	4,170.5	4,170.5	0.0	0.0	315.3	315.3	0.0	0.0	6,384.9	6,384.9
North Dakota	0.0	0.0	328.0	120.0	0.0	0.0	4,190.4	4,128.4	0.0	0.0	64.6	64.6	8.4	8.4	4,591.4	4,321.4
South Dakota	290.0	290.0	694.6	694.6	12.6	12.6	475.0	496.6	0.0	0.0	226.5	226.5	0.0	0.0	1,698.7	1,720.3
South Atlantic	47,688.7	44,984.5	31,702.8	31,813.3	4,672.3	4,667.4	63,439.0	64,264.1	669.8	669.8	14,144.5	14,139.9	265.0	265.0	162,582.1	160,804.0
Delaware	1,196.0	1,196.0	181.0	181.0	876.0	876.0	410.0	410.0	0.0	0.0	114.4	114.4	265.0	265.0	3,042.4	3,042.4
District of Columbia	0.0	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	9.0
Florida	25,879.9	24,667.9	8,405.4	8,405.4	2,647.3	2,647.3	10,117.0	10,117.0	586.0	586.0	6,701.9	6,701.9	0.0	0.0	54,337.5	53,125.5
Georgia	7,921.8	7,921.8	7,799.1	7,799.1	155.0	155.0	12,412.1	12,412.1	83.8	83.8	1,101.7	1,101.7	0.0	0.0	29,473.5	29,473.5
Maryland	250.0	230.0	1,479.9	1,590.4	325.8	325.8	4,739.0	4,757.0	0.0	0.0	2,814.5	2,809.9	0.0	0.0	9,609.2	9,713.1
North Carolina	4,706.6	4,706.6	6,035.7	6,035.7	0.0	0.0	10,794.8	10,794.8	0.0	0.0	402.4	402.4	0.0	0.0	21,939.5	21,939.5
South Carolina	2,416.0	2,416.0	2,841.2	2,841.2	110.8	110.8	5,745.5	5,945.5	0.0	0.0	661.4	661.4	0.0	0.0	11,774.9	11,974.9
Virginia	5,318.4	3,846.2	3,877.6	3,877.6	557.4	546.9	4,947.0	5,554.1	0.0	0.0	2,337.2	2,337.2	0.0	0.0	17,037.6	16,162.0
West Virginia	0.0 18,338.7	0.0 17,642.3	1,073.9	1,073.9 12,829.5	0.0 2,725.5	5.6 2,725.5	14,273.6	14,273.6 37,111.0	0.0	0.0	11.0 205.1	11.0 205.1	0.0	0.0 99.8	15,358.5	15,364.1 70,613.2
East South Central	9,373.1	9,373.1	12,829.5 2,530.6	2,530.6	178.3	178.3	36,311.0 10,692.7		0.0	0.0	42.6	42.6	99.8	99.8	70,509.6 22,917.1	23,361.1
Alabama Kentucky	9,373.1	9,373.1	4,812.6	4,812.6	0.0	0.0	15,215.7	11,136.7 15,219.7	0.0	0.0	69.9	69.9	0.0	0.0	20,098.2	20,102.2
Mississippi	7,562.6	6,866.2	1,716.9	1,716.9	2,547.2	2,547.2	2,526.0	2,526.0	0.0	0.0	43.0	43.0	0.0	0.0	14,395.7	13,699.3
Tennessee	1,403.0	1,403.0	3,769.4	3,769.4	0.0	0.0	7,876.6	8,228.6	0.0	0.0	49.6	49.6	0.0	0.0	13,098.6	13,450.6
West South Central	58,566.5	55,733.7	12,299.6	12,299.6	36,622.5	36,756.5	37,956.7	37,956.7	984.2	984.2	198.8	198.8	339.9	379.9	146,968.2	144,309.4
Arkansas	4,630.5	4,630.5	727.6	727.6	813.7	813.7	5,122.3	5,122.3	0.0	0.0	12.2	12.2	0.0	0.0	11,306.3	11,306.3
Louisiana	7,613.0	7,053.4	2,640.4	2,640.4	9.043.5	9,068.5	3,437.8	3,437.8	973.6	973.6	49.3	49.3	34.3	34.3	23,791.9	23,257.3
Oklahoma	7,114.9	7,097.5	1,189.9	1,189.9	5,297.0	5,297.0	5,305.1	5,305.1	0.0	0.0	74.4	74.4	0.0	0.0	18,981.3	18,963.9
Texas	39,208.1	36,952.3	7,741.7	7,741.7	21,468.3	21,577.3	24,091.5	24,091.5	10.6	10.6	62.9	62.9	305.6	345.6	92,888.7	90,781.9
Mountain	21,920.0	21,173.5	8,916.0	8,876.0	3,256.0	3,396.2	29,673.0	30,022.9	52.0	52.0	327.3	328.7	94.9	94.9	64,239.2	63,944.2
Arizona	9,806.4	9,806.4	2,367.6	2,367.6	1,177.6	1,177.6	6,150.0	6,157.0	0.0	0.0	90.5	90.5	0.0	0.0	19,592.1	19,599.1
Colorado	2,731.7	2,731.7	2,539.3	2,539.3	349.0	353.2	5,281.8	5,281.8	0.0	0.0	168.4	169.8	0.0	0.0	11,070.2	11,075.8
Idaho	567.5	567.5	543.0	543.0	4.3	4.3	17.2	17.2	0.0	0.0	5.4	5.4	0.0	0.0	1,137.4	1,137.4
Montana	0.0	0.0	362.1	362.1	54.0	54.0	2,442.1	2,442.1	52.0	52.0	0.0	0.0	1.5	1.5	2,911.7	2,911.7
Nevada	5,410.5	5,410.5	1,385.6	1,385.6	451.1	587.1	997.4	1,295.4	0.0	0.0	6.0		0.0	0.0	8,250.6	8,684.6
New Mexico	1,473.9	1,456.4	1,041.6	1,041.6	888.7	888.7	3,471.0	3,471.0	0.0	0.0	23.4	23.4	0.0	0.0	6,898.6	6,881.1
Utah	1,830.0	1,201.0	520.2	520.2	325.3	325.3	4,926.0	4,926.0	0.0	0.0	27.8	27.8	0.0	0.0	7,629.3	7,000.3
Wyoming	100.0	0.0	156.6	116.6	6.0	6.0	6,387.5	6,432.4	0.0	0.0	5.8	5.8	93.4	93.4	6,749.3	6,654.2
Pacific Contiguous	25,655.4	25,609.5	11,388.2	11,392.1	12,764.7	13,544.1	2,144.8	2,177.8	0.0	17.0	466.7	448.3	211.7	211.7	52,631.5	53,400.5
California	19,969.9	19,924.0	10,613.2	10,617.1	12,515.1	13,516.5	219.8	252.8	0.0	17.0	451.5	433.1	211.7	211.7	43,981.2	44,972.2
Oregon	2,916.6	2,916.6	133.8	133.8	222.0	0.0	585.0	585.0	0.0	0.0	0.0	0.0	0.0	0.0	3,857.4	3,635.4
Washington	2,768.9	2,768.9	641.2	641.2	27.6	27.6	1,340.0	1,340.0	0.0	0.0	15.2	15.2	0.0	0.0	4,792.9	4,792.9
Pacific Noncontiguous	605.2	605.2	520.2	476.2	13.8	13.8	290.5	290.5	0.0	0.0	2,555.8	2,553.9	6.4	6.4	3,991.9	3,946.0
Alaska	605.2	605.2	520.2	476.2	13.8	13.8	110.5	110.5	0.0	0.0	670.2	669.3	0.0	0.0	1,919.9	1,875.0
Hawaii U.S. Total	0.0 229,601.6	0.0 221,894.0	0.0	0.0 124,634.9	0.0 77,951.8	78,932.6	180.0 299,399.2	180.0 303,141.3	0.0 2,319.7	0.0 2,336.7	1,885.6 40,482.5	1,884.6 41,086.6	6.4 2,067.8	6.4 2,107.8	2,072.0 776,618.8	2,071.0 774,133.9
U.S. 10tal	229,001.6	221,894.0	124,796.2	124,034.9	77,951.8	70,932.6	299,399.2	303,141.3	2,319.7	2,336.7	40,462.5	41,086.6	2,007.8	2,107.8	8.810,011	774,133.9

Values are preliminary.

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significiant 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, 2015

Year	Month	Entity ID	Entity Name	Plant Producer	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Move Code
2015	1	1307	Basin Electric Power Coop	Electric Utility	Lonesome Creek Station	ND	57943	02		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	59275	CF SBC Master Tenant One LLC	IPP	Coronus Adelanto West 1	CA	59536	AWI	1.5	Solar Photovoltaic	SUN	PV
2015	1	59275	CF SBC Master Tenant One LLC	IPP	Coronus Adelanto West 2	CA	59537	AW2	1.5	Solar Photovoltaic	SUN	PV
2015	1	57391	Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV04	30.0	Solar Photovoltaic	SUN	PV
2015	1	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	10	21.0	Solar Photovoltaic	SUN	PV
2015	1	58790	Copper Mountain Solar 3, LLC	IPP	Copper Mountain Solar 3	NV	58915	9	24.0	Solar Photovoltaic	SUN	PV
2015	1	59176	Diamond Valley Solar LLC	IPP	Diamond Valley Solar Project	CA	59405	PV11	1.3	Solar Photovoltaic	SUN	PV
2015	1	58720	Enbridge	IPP	Keechi Wind	TX	58838	KW1	110.0	Onshore Wind Turbine	WND	WT
2015	1	56615	First Solar Energy LLC	IPP	Meadow Lake Solar Energy Center	NM	59618	MLK	9.1	Solar Photovoltaic	SUN	PV
2015	1	10210	Ketchikan Public Utilities	Electric Utility	Whitman	AK	58977	WPG-1	3.9	Conventional Hydroelectric	WAT	HY
2015	1	10210	Ketchikan Public Utilities	Electric Utility	Whitman	AK	58977	WPG-2	0.9	Conventional Hydroelectric	WAT	HY
2015	1	12647	Minnesota Power Inc	Electric Utility	Bison 4 Wind Energy Center	ND	58872	BISO4	205.0	Onshore Wind Turbine	WND	WT
2015	1	56990	NJR Clean Energy Ventures Corporation	IPP	Carroll Area Wind Farm	IA	59071	WT 1	20.0	Onshore Wind Turbine	WND	WT
2015	1	56990	NJR Clean Energy Ventures Corporation	IPP	North Run	NJ	59318	NRUN1	5.0	Solar Photovoltaic	SUN	PV
2015	1	58489	OCI Solar Power	IPP	OCI Alamo 3 LLC	TX	59204	OCIA3	5.5	Solar Photovoltaic	SUN	PV
2015	1	15248	Portland General Electric Co	Electric Utility	Port Westward Unit 2	OR	58266	9	18.5	Other Natural Gas	NG	IC
2015	1	15477	Public Service Elec & Gas Co	Electric Utility	Kinsley Landfill Solar	NJ	58877	KINS	8.6	Solar Photovoltaic	SUN	PV
2015	1	15477	Public Service Elec & Gas Co	Electric Utility	Parkland Landfill Solar	NJ	59001	PARK	7.8	Solar Photovoltaic	SUN	PV
2015	1	59121	Pumpjack Solar I, LLC	IPP	Pumpjack Solar I	CA	59322	GEN1	20.0	Solar Photovoltaic	SUN	PV
2015	1	59040	Rising Tree Wind Farm II LLC	IPP	Rising Tree Wind Farm II	CA	59235	GEN1	19.8	Onshore Wind Turbine	WND	WT
2015	1	56937	Rising Tree Wind Farm LLC	IPP	Rising Tree Wind Farm	CA	57621	GEN1	79.2	Onshore Wind Turbine	WND	WT
2015	1	58820	Shankle Solar Center LLC	IPP	Shankle Solar Center LLC	NC	58956	SHAN	4.8	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017A	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017B	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017C	0.5	Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017D	0.5	Solar Photovoltaic	SUN	PV
2015	1		Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017E		Solar Photovoltaic	SUN	PV
2015	1		Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017F		Solar Photovoltaic	SUN	PV
2015	1		Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #17	CA	57231	S017G		Solar Photovoltaic	SUN	PV
2015	1	17609	Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33A		Solar Photovoltaic	SUN	PV
2015	1		Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #33	CA	57535	S33B		Solar Photovoltaic	SUN	PV
2015	1	58258	SunRay Power LLC	IPP	Leicester One MA Solar LLC	MA	58282	1	6.0	Solar Photovoltaic	SUN	PV

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significiant portion of capacity for some technologies such as solar photovoltaic generation. Entity ID and Plant ID are official, unique identification numbers assigned by EIA: Generator IDs are assigned by plant owners and/or operators.

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

Table 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, and Month, 2015

										Energy	Prime
			Plant Producer		Plant			Net Summer			Mover
Month	Entity ID	Entity Name	Type	Plant Name	State	Plant ID	Generator ID	Capacity (MW)	Technology	Code	Code
1	12986	Morton Salt Inc	Industrial	Morton Salt Rittman	OH	54335	GEN1	1.5	Conventional Steam Coal	BIT	ST
1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	3	156.0	Conventional Steam Coal	BIT	ST
1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST1	111.0	Conventional Steam Coal	BIT	ST
1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST2	111.0	Conventional Steam Coal	BIT	ST
1	19876	Virginia Electric & Power Co	Electric Utility	Chesapeake	VA	3803	ST4	217.0	Conventional Steam Coal	BIT	ST
	Month 1 1 1 1 1 1	1 12986 1 19876 1 19876 1 19876	Month Entity ID Entity Name 1 12996 Morton Salt Inc 1 18976 Virginia Electric & Power Co 1 18876 Virginia Electric & Power Co 1 18876 Virginia Electric & Power Co 1 18976 Virginia Electric & Power Co 1 1 1 1 1 1 1 1 1	1 12986 Monton Salt Inc Industrial 1 19876 Virginia Electric & Power Co Electric Utility 1 19876 Virginia Electric & Power Co Electric Utility 1 19876 Virginia Electric & Power Co Electric Utility	Month Entity ID Entity IN ame Type Plant Name 1 1 2986 Motton Salt Ritman 1 1 9976 Virginia Electric & Power Co Electric Utility Chesapeake 1 1 99879 Virginia Electric & Power Co Electric Utility Chesapeake 1 1 99879 Virginia Electric & Power Co Electric Utility Chesapeake	Month Entity ID Entity Name Type Plant Name State 1 1 2986 Morton Salt Inc Industrial Morton Salt Ritman OH 1 1 9976 Virginia Electric & Power Co Electric Utility Chesapeake VA 1 1 9876 Virginia Electric & Power Co Electric Utility Chesapeake VA 1 19876 Virginia Electric & Power Co Electric Utility Chesapeake VA	Month Entity ID Entity Name Type Plant Name State Plant Dam 1 1 2986 Morton Salt Inc Industrial Morton Salt Ritman OH 5435 1 1 9976 Virginia Electric & Power Co Electric Utility Chesapeake VA 3803 1 19876 Virginia Electric & Power Co Electric Utility Chesapeake VA 3803 1 19876 Virginia Electric & Power Co Electric Utility Chesapeake VA 3803	Month Entity Name Type Plant Name State Plant ID Generator ID 1 1 2986 Morton Salt Inc Industrial Morton Salt Ritman OH 5435 GENT 1 1 99876 Virginia Electric & Power Co Electric Utility Chesapeake VA 3803 3 1 1 98876 Virginia Electric & Power Co Electric Utility Chesapeake VA 3803 ST1 1 1 98876 Virginia Electric & Power Co Electric Utility Chesapeake VA 3803 ST2	Month Entity Name Type Plant Name State Plant ID Generator ID Capacity (MW) 1 12986 Morton Salt Inc Industrial Morton Salt Ritman OH 5435 GENT 1.5 1 19876 Virginia Electric & Power Co Electric Utility Chesapeake VA 3803 3 156.0 1 19876 Virginia Electric & Power Co Electric Utility Chesapeake VA 3803 ST1 1111.0 1 19876 Virginia Electric & Power Co Electric Utility Chesapeake VA 3803 ST2 111.0	Month Entity Name Type Plant Name State Plant 10 Generator 10 Capacity (MW) Technology	Name Plant Producer Plant Producer Plant Producer Plant Name Plant Name

2010 1 1967 Viriginal Electric & Power Co. Electric Unity Chesaplesee VA. 3603 514 217.0 Conventional Steam 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 ELR: 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.

Year	Мо	onth E	ned U.S. Electric Generating Unit Additions 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	Status	Nameplate Capacity (MW)
2015		2	58262 Belectric Inc	IPP	Venable Solar 1	CA	58289	VNPV	1.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2015	┺	2	58262 Belectric Inc 911 City of Ashland - (KS)	IPP Electric Utility	Venable Solar 2 Ashland	CA	58290 1259	VSPV	1.5 Solar Photovoltaic 1.8 Petroleum Liquids	DFO	PV	(TS) Construction complete, but not yet in commercial operation (SB) Standby/Backup: available for service but not normally used	1.5
2015	+	2	20069 City of Warnego - (KS)	Electric Utility	Wamego	KS	1209	4B 10	2.9 Other Natural Gas	NG	IC.	(SB) Standby/Backup: available for service but not normally used (V) Under construction, more than 50 percent complete	3.2
2015	1	2	58519 Clean Energy Collective LLC	IPP	Midwest Energy Community Solar Array	KS	59632	1036	1.0 Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2015		2	57391 Copper Mountain Solar 2, LLC	IPP	Copper Mountain Solar 2	NV	58017	PV05	30.0 Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	30.0
2015		2	58862 DC Water	Electric CHP	DC Water CHP	DC	59012	TURB1	3.3 Other Waste Biomass	OBG	GT	(V) Under construction, more than 50 percent complete	4.7
2015 2015	-	2	58862 DC Water 58862 DC Water	Electric CHP	DC Water CHP DC Water CHP	DC	59012 59012	TURB2 TURB3	3.3 Other Waste Biomass 3.3 Other Waste Biomass	OBG	GT	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	4.7
2015		2	58468 Dominion Renewable Energy	IPP	CID Solar, LLC	CA	59183	PV1	19.8 Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	19.8
2015		2	56615 First Solar Energy LLC	IPP	Cibola	NM	59619	CBLA	7.6 Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	7.6
2015		2	10810 LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN1	4.4 Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	4.6
2015		2	10810 LAX Airport	Commercial	Central Utilities Plant LAX 2	CA	58258	GEN2	4.4 Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	4.6
2015	4	2	59458 Landfill Energy Systems Florida	IPP	Sarasota County LFGTE Facility	FL	59686	LESF1	1.6 Landfill Gas	LFG	IC	(TS) Construction complete, but not yet in commercial operation	1.6
2015	4	2	59458 Landfill Energy Systems Florida	IPP IPP	Sarasota County LFGTE Facility	FL	59686	LESF2	1.6 Landfill Gas	LFG	IC	(TS) Construction complete, but not yet in commercial operation	1.6
2015	-	2	59458 Landfill Energy Systems Florida 59458 Landfill Energy Systems Florida	IPP IPP	Sarasota County LFGTE Facility Sarasota County LFGTE Facility	FL	59686 59686	LESF3	1.6 Landfill Gas 1.6 Landfill Gas	LFG	IC IC	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	1.6
2015	-	2	11208 Los Angeles Department of Water & Power	IPP	Forever 21 Retail, Inc.	CA	59651	W4161	4.6 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.6
2015		2	11824 Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS07	16.5 Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015		2	11824 Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS08	16.5 Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015		2	11824 Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS09	16.5 Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015	4	2	11824 Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS10	16.5 Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17.1
2015	-	2	59208 NRG Solar Las Vegas MB-1 59424 SSA Solar of NM 4, LLC	Commercial	NRG Solar Las Vegas MB-1 City of Truth or Consequences PV	NV NM	59430 59653	MB-1 COTC	5.0 Solar Photovoltaic 1.9 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (V) Under construction, more than 50 percent complete	5.0
2015	-	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011A	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.6
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011B	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011C	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011D	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.6
2015	L	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225	S011E	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.6
2015	+	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #11	CA	57225 E770E	S011F S011G	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.6
2015	+	2	17609 Southern California Edison Co 17609 Southern California Edison Co	Electric Utility Electric Utility	Solar Photovoltaic Project #11 Solar Photovoltaic Project #13	CA	57225 57227	S011G S013A	0.5 Solar Photovoltaic 0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	0.
2015	+	2	17609 Southern California Edison Co 17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13 Solar Photovoltaic Project #13	CA	57227	S013A S013B	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	0.
2015	Т	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013C	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	L	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013D	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013E	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	H.	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013F	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.6
2015	-	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #13	CA	57227	S013G	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	-	2	17609 Southern California Edison Co 17609 Southern California Edison Co	Electric Utility Electric Utility	Solar Photovoltaic Project #16 Solar Photovoltaic Project #16	CA	57230 57230	S016A S016B	0.5 Solar Photovoltaic 0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	0.5
2015	-	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #16	CA	57230	S016C	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026A	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026B	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026C	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	4	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026D	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	-	2	17609 Southern California Edison Co 17609 Southern California Edison Co	Electric Utility Electric Utility	Solar Photovoltaic Project #26 Solar Photovoltaic Project #26	CA	57245 57245	S026E S026F	0.5 Solar Photovoltaic 0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	-	2	17609 Southern California Edison Co 17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26 Solar Photovoltaic Project #26	CA	57245	S026G	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026H	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026I	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	S026J	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	4	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	SO26K	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	-	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #26	CA	57245	SO26L	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co 17609 Southern California Edison Co	Electric Utility Electric Utility	Solar Photovoltaic Project #27 Solar Photovoltaic Project #27	CA	57246 57246	S027A S027B	0.5 Solar Photovoltaic 0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	-	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S0276	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #27	CA	57246	S027D	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028A	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028B	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	4	2	17609 Southern California Edison Co 17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247 57247	S028C S028D	0.5 Solar Photovoltaic	SUN	PV PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	-	2	17609 Southern California Edison Co 17609 Southern California Edison Co	Electric Utility Electric Utility	Solar Photovoltaic Project #28 Solar Photovoltaic Project #28	CA	57247	S028D S028E	0.5 Solar Photovoltaic 0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	0.6
2015	-	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028F	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #28	CA	57247	S028G	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	\$32A	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32B	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.6
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #32	CA	57534	S32C	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44A S44B	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015 2015		2	17609 Southern California Edison Co 17609 Southern California Edison Co	Electric Utility Electric Utility	Solar Photovoltaic Project #44 Solar Photovoltaic Project #44	CA	57540 57540	S44B S44C	0.5 Solar Photovoltaic 0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	0.6
2015	+	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44 Solar Photovoltaic Project #44	CA	57540	S44C S44D	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	0.5
2015	Т	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44E	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.5
2015	I	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44F	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.6
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	\$44G	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.6
2015		2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44H	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	+	2	17609 Southern California Edison Co 17609 Southern California Edison Co	Electric Utility Electric Utility	Solar Photovoltaic Project #44 Solar Photovoltaic Project #44	CA	57540 57540	S44I S44J	0.5 Solar Photovoltaic 0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	0.
2015	Н	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44 Solar Photovoltaic Project #44	CA	57540	S44J	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	0.
2015	т	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	344K S44L	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	L	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44M	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	Е	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44N	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	L	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	S44O	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	+	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #44	CA	57540	\$44P	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	+	2	17609 Southern California Edison Co 17609 Southern California Edison Co	Electric Utility Electric Utility	Solar Photovoltaic Project #48 Solar Photovoltaic Project #48	CA	57900 57900	S48A S48B	0.5 Solar Photovoltaic 0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	0.
2015	т	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48 Solar Photovoltaic Project #48	CA	57900	S48B S48C	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	0.
2015	Т	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48D	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	L	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48E	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	Е	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48F	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	+	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48G	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	+	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900	S48H	0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	+	2	17609 Southern California Edison Co	Electric Utility	Solar Photovoltaic Project #48	CA	57900 57900	S48I S48J	0.5 Solar Photovoltaic 0.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.
2015	+	2	17609 Southern California Edison Co 59158 Wildwood Solar I, LLC	Electric Utility IPP	Solar Photovoltaic Project #48 Wildwood Solar I, LLC	CA	59380	WLD1	19.5 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	19.
2015	Т	3	59050 Algonquin Power Co	IPP	Algonquin SKIC20 Solar LLC	CA	59412	SKI20	20.0 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	20.
2015		3	59307 Ashley Solar Farm, LLC	IPP	Ashley Solar Farm	NC	59566	PV1	4.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4
2015	┖	3	59359 BHE Renewables, LLC	IPP	TX Jumbo Road Wind	TX	59621	JRWND	299.7 Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	299
2015	H.	3	59346 Colton Solar Two, LLC	IPP	Colton Solar Two, LLC	CA	59598	CS002	1.0 Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1
2015	+	3	57365 Consolidated Edison Solutions Inc	IPP Communicat	Port Richmond WWT Solar	NY	58647	1	1.0 Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1
2015	+	3	5089 Des Moines Metro WRF	Commercial	Des Moines Wastewater Reclamation Fac Des Moines Wastewater Reclamation Fac	IA.	50932 50932	72-04 72-05	1.4 Other Waste Biomass 1.4 Other Waste Biomass	OBG	IC IC	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	1
2015	+	3	5089 Des Moines Metro WRF 5906 EDF Renewable Services Inc	(IPP	Des Moines Wastewater Reclamation Fac City of Corcoran Solar	CA	50932 59087	72-05 GEN 1	1.4 Other Waste Biomass 11.0 Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation (U) Under construction, less than or equal to 50 percent complete	11.
2015	т	3	5906 EDF Renewable Services Inc	IPP	Goose Lake Solar	CA	59086	GEN1	12.0 Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	12.0
2015	L	3	5701 El Paso Electric Co	Electric Utility	Montana Power Station	TX	58562	GT-1	100.0 Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	131.8
	1	3	5701 El Paso Electric Co 56615 First Solar Energy LLC	Electric Utility	Montana Power Station	TX	58562	GT-2	100.0 Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	131.
2015					Barilla Solar	ITY	58710	BRLA	30.2 Solar Photovoltaic	SUN	D1/	(V) Under construction, more than 50 percent complete	30

Table 6.	5. Pla	nned U.S	S. Electric Generating Unit Additions											
				Plant Producer		Plant			Net Summer		Energy Source	Prime Mover		Namepla
Year 8	Month 3		Entity Name Galena Flectric Utility	Type Electric Litility	Plant Name Galena Flectric Utility	State	Plant ID	Generator ID	Capacity (MW)	Technology Petroleum Liquids	Code	Code	Status (V) Under construction, more than 50 percent complete	Capacity (MV
2015	3	57104	Golden Springs Development Company LLC	IPP	Santa Fe Springs Rooftop Solar BLDG H	CA	58913	1		Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1
2015	3	57104 58865	Golden Springs Development Company LLC Hoopeston Wind LLC	IPP IPP	Santa Fe Springs Rooftop Solar BLDG M Hoopeston Wind LLC	CA	58912 59021	1 H001		Solar Photovoltaic Onshore Wind Turbine	SUN	PV WT	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	1 96
2015	3	59284	Kona Solar, LLC	IPP	Park Meridian #1	CA	59539	1		Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	
2015	3		Kona Solar, LLC Kona Solar, LLC	IPP IDD	Rancho Cucamonga Dist #1 Terra Francesca	CA	59540 59541	2	1.8	Solar Photovoltaic Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	
2015	3		Los Angeles Department of Water & Power	Electric Utility	Maclay Solar Project	CA	57308	1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	
2015	3		Mass Solar, LLC	IPP	Braley Road 2	MA	58680	PV1		Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	- 1
2015 2015	3		Mass Solar, LLC MidAmerican Solar LLC	IPP IPP	Freetown Solar Solar Star 1	MA CA	58283 58388	SS12		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete (TS) Construction complete, but not yet in commercial operation	54
2015	3	58377	MidAmerican Solar LLC	IPP	Solar Star 2	CA	58389	SS24	44.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	43
2015 2015	3		Performance Services REUT Origination, LLC	IPP IPP	Purdue Energy Park South Milford Solar Plant	UT	57518 59620	1 SMS1	20.0	Onshore Wind Turbine Solar Photovoltaic	WND	WT	(U) Under construction, less than or equal to 50 percent complete (V) Under construction, more than 50 percent complete	20
2015	3		Redmon Solar Farm LLC	IPP	Redmon Solar Farm LLC	NC	59114	1		Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2
2015	3	58749	Rentech Nitrogen Pasadena LLC	Electric CHP	Rentech Nitrogen Pasadena Cogeneration	TX	58870	MG202	14.0	All Other	WH	ST	(TS) Construction complete, but not yet in commercial operation	15
2015 2015	3		SolNCPower1, LLC Sunlight Partners	IPP IPP	Two Mile Solar Amethyst Solar	NC NC	59427 58730	TMS1 PV1	3.0	Solar Photovoltaic Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete (L) Regulatory approvals pending. Not under construction	5
2015	3	58658	Sunlight Partners	IPP	Audrey Solar	NC	58732	PV1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3
2015 2015	3		Sunlight Partners Sunlight Partners	IPP IPP	Charlotte Solar Elliana Solar	NC NC	58722 58725	PV1 PV1		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (P) Planned for installation, but regulatory approvals not initiated	5
2015	3	58658	Sunlight Partners	IPP	Milo Solar	NC	58739	PV1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3
2015 2015	3	58658 58361	Sunlight Partners Triton College	IPP Commercial	Minnie Solar Triton East and West Cogen	NC	58740 58375	PV1	3.0	Solar Photovoltaic Other Natural Gas	SUN	PV	(L) Regulatory approvals pending. Not under construction (TS) Construction complete, but not yet in commercial operation	3
2015	3		Vega Solar, LLC	IPP	Vega Solar	CA	59555	VEGA1		Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	20
2015	3	59156	Wapsie Valley Creamery	Industrial	Wapsie Valley Creamery Back Up Generator	IA	59379	1		Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	- 1
2015 2015	4	20542 57369	Weyerhaeuser Co Apple, Inc	Industrial Commercial	Flint River Operations Ft. Churchill PV	GA NV	50465 59472	GEN2 NVC7	25.0 19.9	Wood/Wood Waste Biomass Solar Photovoltaic	WDS	PV	(V) Under construction, more than 50 percent complete (U) Under construction, less than or equal to 50 percent complete	38 19
2015	4	58987	B&H Wind LLC	IPP	Beethoven Wind	SD	59187	B&H80	80.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	80
2015 2015	4	7977	City of Hamilton - (OH) City of Hamilton - (OH)	Electric Utility Electric Utility	Meldahl Hydroelectric Project Meldahl Hydroelectric Project	KY	56872 56872	1		Conventional Hydroelectric Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	35 35
2015	4	19454	City of Unalaska - (AK)	Electric Utility	Meldahl Hydroelectric Project Dutch Harbor	AK	7502	12	3.7	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	4
2015	4	58748	Clean Energy LLC	Electric CHP	Reventure Park	NC	58865	RNG		Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	1
2015	4	56769 59393	Consolidated Edison Development Inc. Coronal Lost Hills, LLC	IPP IPP	Corcoran Solar 2 Coronal Lost Hills	CA	59413 59638	C2CA CLH		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete (U) Under construction, less than or equal to 50 percent complete	19 20
2015 2015	4	58443	EBD Hydro LLC	IPP	45 Mile Hydroelectric Project	OR	58455	0001	1.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	1
2015 2015	4	58443	EBD Hydro LLC EBD Hydro LLC	IPP IPP	45 Mile Hydroelectric Project 45 Mile Hydroelectric Project	OR OR	58455 58455	0002 0003		Conventional Hydroelectric Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	1
2015	4		Enerdyne Power Systems Inc	IPP	Onslow Energy	NC NC	59036	GEN 1		Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete (U) Under construction, less than or equal to 50 percent complete	1
2015	4	56615	First Solar Energy LLC	IPP	Lost Hills	CA	58711	BLKW	12.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	12
2015 2015	4	56615	First Solar Energy LLC Green Energy Team LLC	IPP IPP	Lost Hills Biomass to Energy Facility, Kauai	CA	58711 59035	LTHL MKA1		Solar Photovoltaic Other Waste Biomass	SUN	ST	(U) Under construction, less than or equal to 50 percent complete (V) Under construction, more than 50 percent complete	20 9
2015	4	49893	Invenergy Services LLC	IPP	Nelson Energy Center	IL	55183	CT1	155.7	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	181
2015	4		Invenergy Services LLC	IPP	Nelson Energy Center	IL.	55183	CT2 ST1		Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	179
2015 2015	4	49893	Invenergy Services LLC Invenergy Services LLC	IPP	Nelson Energy Center Nelson Energy Center	IL.	55183 55183	ST2	129.6	Other Natural Gas Other Natural Gas	NG NG	ST	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	133 133
2015	4	59119	Los Vientos Windpower III, LLC	IPP	Los Vientos Windpower III	TX	59320	GEN1	2.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2
2015 2015	4		Matanuska Electric Assn Inc Matanuska Electric Assn Inc	Electric Utility Electric Utility	Eklutna Generation Station Eklutna Generation Station	AK	58989 58989	EGS01 EGS02		Other Natural Gas Other Natural Gas	NG NG	IC	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	17
2015	4		Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989	EGS03		Other Natural Gas	NG	IC	(TS) Construction complete, but not yet in commercial operation	17
2015 2015	4	11824	Matanuska Electric Assn Inc	Electric Utility	Eklutna Generation Station	AK	58989 58989	EGS04 EGS05	16.5	Other Natural Gas	NG NG	IC	(TS) Construction complete, but not yet in commercial operation	17
2015	4		Matanuska Electric Assn Inc Matanuska Electric Assn Inc	Electric Utility Electric Utility	Eklutna Generation Station Eklutna Generation Station	AK	58989	EGS05		Other Natural Gas Other Natural Gas	NG NG	IC	(TS) Construction complete, but not yet in commercial operation (TS) Construction complete, but not yet in commercial operation	17
2015	4		Merck & Co Inc	Industrial	Eikton	VA	52148	GEN3		Other Natural Gas	NG	IC	(U) Under construction, less than or equal to 50 percent complete	1
2015 2015	4		Merck & Co Inc Missouri Jnt Muni.Pwr Elec. Ut. Comm.	Industrial Electric Utility	Elkton Fredericktown Energy Center	VA MO	52148 57946	GEN4 UNIT1		Other Natural Gas Natural Gas Fired Combustion Turbine	NG NG	IC GT	(U) Under construction, less than or equal to 50 percent complete (V) Under construction, more than 50 percent complete	13
2015	4	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	(V) Under construction, more than 50 percent complete	13
2015 2015	4		Oklahoma Municipal Power Authority Petra Engineering	Electric Utility	Charles D. Lamb Energy Center	OK NC	58325 59406	1 SYS1		Natural Gas Fired Combustion Turbine Solar Photovoltaic	NG SLIN	GT	(V) Under construction, more than 50 percent complete (L) Regulatory approvals pending. Not under construction	122
2015	4		Santa Cruz Cogeneration Assoc	Commercial	Univ of Calif Santa Cruz Cogeneration	CA	50064	003		Natural Gas Fired Combustion Turbine	NG	GT	(E) Regulatory approvals pending. Not under construction (TS) Construction complete, but not yet in commercial operation	4
2015	4		SolNCPower2, LLC	IPP IPP	GKS Solar	NC	59426	GKS1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5
2015 2015	4		Soul City Solar Sumitomo Corporation of the Americas	IPP	Soul City Solar Mesquite Creek Wind	NC TX	59606 59332	FLS1 MSCRK	211.2	Solar Photovoltaic Onshore Wind Turbine	SUN	WT	(U) Under construction, less than or equal to 50 percent complete (V) Under construction, more than 50 percent complete	211
2015	4	59457	Sun Harvest Solar, LLC	IPP	Sun Harvest Solar NDP1	CA	59687	NDP1	1.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1
2015 2015	4		Sunfish Farm LLC Vicksburg Solar	IPP IDD	Sunfish Farm Vicksburg Solar	NC NC	58864 59605	FLS1	5.0	Solar Photovoltaic Solar Photovoltaic	SUN	PV PV	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	5
2015	4		Yanceyville Farm 2 LLC	IPP	Yanceyville Farm 2 LLC	NC	59113	1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5
2015	5		Adelanto II Solar, LLC	IPP	Adelanto II Solar, LLC	CA	59440	SAS		Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	7
2015 2015	5		Alamo Solar, LLC American Mun Power-Ohio, Inc	IPP Electric Utility	Alamo Solar Cannelton Hydroelectric Plant	CA KY	59469 57399	ALAMO CG1		Solar Photovoltaic Conventional Hydroelectric	SUN	PV	(U) Under construction, less than or equal to 50 percent complete (V) Under construction, more than 50 percent complete	18 29
2015	5	40577	American Mun Power-Ohio, Inc	Electric Utility	Cannelton Hydroelectric Plant	KY	57399	CG2	29.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	29
2015 2015	5		American Mun Power-Ohio, Inc City of Hamilton - (OH)	Electric Utility Electric Utility	Willow Island Hydroelectric Plant Meldahl Hydroelectric Project	WV KY	57401 56872	WIG1		Conventional Hydroelectric Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	22 35
2015	5	59345	Colton Solar One, LLC	IPP	Colton Solar One, LLC	CA	59597	CS001	2.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2
2015	5		Consolidated Edison Development Inc.	IPP IDD	Atwell Island West Solar	CA	59414	AWCA GEN1		Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20
2015 2015	5	59407	EDF Renewable Services Inc FLS Solar 230 (Warren)	IPP	Longhorn Wind FLS Solar 230 (Warren)	NC NC	58772 59646	GEN1 FLS1	200.0	Onshore Wind Turbine Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	200
2015	5		Golden Spread Electric Cooperative, Inc	Electric Utility	Elk Station	TX	58835	ELK1		Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	202
2015	5	49893	Invenergy Services LLC Invenergy Services LLC	IPP IPP	Buckeye Wind Energy Center Buckeye Wind Energy Center	KS	58767 58767	1 2	25.9 70.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	25 70
2015	5	49893	Invenergy Services LLC	IPP	Buckeye Wind Energy Center	KS	58767	3	105.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	105
2015 2015	5	49893	Invenergy Services LLC	IPP IPP	Wake Wind Energy Center	TX	58766 58766	1		Onshore Wind Turbine Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	129 109
2015	5	49893	Invenergy Services LLC Invenergy Services LLC	IPP	Wake Wind Energy Center Wake Wind Energy Center	TX	58766	3	61.1	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	61
2015	5	10071	Kauai Island Utility Cooperative	Electric Utility	KRS I Anahola Solar	HI.	58639	ANAPV		Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	12
2015 2015	5		Louisville Gas & Electric Co MidAmerican Solar LLC	Electric Utility IPP	Cane Run Solar Star 1	CA	1363 58388	7 SS11		Natural Gas Fired Combined Cycle Solar Photovoltaic	NG SUN	PV	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	691 54
2015	5	59406	Mt. Olive Solar 1	IPP	Mt Olive Solar 1	NC	59645	FLS1		Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5
2015	5	58616	Osage Wind, LLC Shafter Solar LLC	IPP IDD	Osage Wind, LLC Shafter Solar LLC	OK	58683 59408	1		Onshore Wind Turbine Solar Photovoltaic	WND	WT DV	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	150 20
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	(V) Under construction, more than 50 percent complete	96
2015	5	17826	Springer Electric Coop, Inc	Electric Utility	Springer Solar 1	NM	59560	SPRG1	0.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1
	5		Stagecoach Solar Stephens Ranch Wind Energy LLC	IPP IPP	Stagecoach Solar Stephens Ranch Wind Energy LLC	NC TX	59604 57983	FLS1		Solar Photovoltaic Onshore Wind Turbine	SUN	WT	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	5 165
2015			Sunlight Partners	IPP	Sophie Solar	NC	58745	PV1	4.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4
2015 2015 2015	5		Surprise Valley Electrification	Electric Utility	Paisley Geothermal Generating Plant	OR	59382	SVEP1 TSE-1		Geothermal	GEO	ST	(TS) Construction complete, but not yet in commercial operation	125
2015 2015 2015 2015	5			per E	Crescent Dunes Solar Energy Walters Solar (FLS 260)	NV NC	57275 59603	TSE-1 FLS1	110.0	Solar Thermal with Energy Storage Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete (U) Under construction, less than or equal to 50 percent complete	125
2015 2015 2015 2015 2015	5 5 5 5	56641	Tonopah Solar Energy LLC Walters Solar (FLS 260)	IPP										
2015 2015 2015 2015 2015 2015 2015 2015	5 5 5 5	56641 59349 58661	Walters Solar (FLS 260) sPower	IPP	Sterlington Greenworks LLC	NY	59275	STERG	1.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	
2015 2015 2015 2015 2015 2015 2015 2015	5 5 5 5 5	56641 59349 58661 58661	Walters Solar (FLS 260) sPower sPower		Sterlington Greenworks LLC Sutter Greeworks LLC	NY NY CA	59274	STERG SUTTG PV1	5.0	Solar Photovoltaic	SUN	PV PV	(U) Under construction, less than or equal to 50 percent complete	1 5
2015 2015 2015 2015 2015 2015 2015 2015	5 5 5 5 5 6	56641 59349 58661 58661 58856	Walters Solar (FLS 260) sPower	IPP IPP	Sterlington Greenworks LLC	NY		SUTTG	5.0 27.0			PV PV PV		
2015 2015 2015 2015 2015 2015 2015 2015	5 5 5 5 5 5 6 6	56641 59349 58661 58661 58856 58706 59353	Walters Solar (FLS 260) #Power #Power 88HK Rime LLC 67FK 8me LLC AP North Lake I, LP	IPP IPP IPP IPP	Sterlington Greenworks LLC Sutter Greeworks LLC Hayworth Solar Redcrest Solar Farm AP North Lake I, LP	NY CA	59274 59009 58831 59610	SUTTG PV1 PV-1 APNLI	5.0 27.0 20.0 20.0	Solar Photovoltaic Solar Photovoltaic Solar Photovoltaic Solar Photovoltaic	SUN SUN SUN	PV	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete (L) Regulatory approvals pending. Not under construction	27 20 20
2015 2015 2015 2015 2015 2015 2015 2015	5 5 5 5 5 5 6 6 6	56641 59349 58661 58661 58856 58706 59353 40577	Watters Solar (FLS 260) sPower sPower SPOWER SBHK Rime LLC 67RK 8me LLC	IPP IPP IPP	Sterlington Greenworks LLC Sutter Greeworks LLC Hayworth Solar Redcrest Solar Farm	NY CA CA	59274 59009 58831	SUTTG PV1 PV-1	5.0 27.0 20.0 20.0 29.3	Solar Photovoltaic Solar Photovoltaic Solar Photovoltaic	SUN SUN SUN	PV PV PV PV HY	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	5 27

	669940 66	Ecophous, Inc Ecophous, Inc Ecophous, Inc Ecophous, Inc Ecophous, Inc Favor Solar LLC Favor Solar LLC Favor Solar LLC Germon Energy LLC Marion Solar LLC Marion So	Plant Producer Type PP PP PP PP PP PP PP PP PP	Plant Name Kernaroville Solar 2. LLC Kernaroville Solar 2. LLC Kernaroville Solar 2. LLC SOLA Commission Solar 2. LLC ADaks Princeton Benthall Biology PV 1 Benthall Biology PV 1 Benthall Biology PV 1 Lattle Roye PV 1 Manning PV 1 Old Catabas PV 1 Floors Solar Solar Commission Solar Sol	Plant	Plant ID 58803 58803 58803 58803 58803 58803 58803 58803 580	Generator ID NY2. PNV3 NV4 ST001 INV4 ST001 INV4 AOMS PRCTN BEVT1 LTLRV MANN CUDC FAST CTG1 ST02 VSC2 SPRRU	Net Summer Net Summer Net Summer Schendegy 0.53 Safe Phonocialis 0.53 Safe Phonocialis 0.53 Safe Phonocialis 0.55 Safe Phonocialis 0.55 Safe Phonocialis 0.55 Safe Phonocialis 1.55 Safe Phonocialis 1	Source Code Code SUN	Mover	Situate (L) Regulatory approvale periody. Not under construction (L) Regulatory approvale periody. Not under construction (L) Regulatory approvale periody, Not under construction (L) Regulatory approvale periody, Not under construction (L) Regulatory approvale periody, Not under construction (L) Under construction, neme than \$10 periody construction (L) Under construction, neme than \$10 periody construction (L) Under construction, neme than \$10 periody construction (L) Papulatory approvals received. Not under construction (L) Regulatory approvals to under under under construction (L) Regulatory approvals received. Not under construction (L) Regulatory approvals nemed Not under construction (L) Regulatory approvals received. Not under construction (L) Regulatory approvals periodic. Not under construction (L) Regulato	Nameplate Superior (Nameplate Superior (Namepl
1	5699496969696969696969696969696969696969	Angend Energy Solutions, LLC Beythern Young Univ Marke Beyther Young Univ Marke Beyther Young Univ Marke Corp Virolated Pull GEP Recommission Secondary GEP Recommission GEP Recomm	Commencial Electric Unity PP	Kernerwich Solar Z. LLC BYLL Granut Energy Facility Charles Solar Z. LLC BYLL Granut Energy Facility Charles Solar Z. LLC Branch Solar Z. LLC Berchald proy I Fall Meles PV 1 Barchald proy I Fall Meles PV 1 Monrie Spr V 1 Monrie Solar PV 1 Monrie Solar PV 1 Monrie Solar Solar Gentree Charles Solar Monrie Solar Solar Gentree Charles Solar Monrie Solar Solar P H Richerson P H Riche	NC N	58803 58803 58803 58466 58235 58235 58235 58235 59534 59534 59534 59535 59535 59536 59536 59530	NAME	0.5 State Photocolists 0.6 Share Photocolists 0.6 Share State Stat	SUN	GT GT GT PV	B. Regulatory approvals personing. Nat under construction L. Regulatory approvals personing. Nat under construction (L.) Regulatory approvals personing value to descriptions (D.) Under construction. In the Start of required to 50 personst complete (D.) Under constructions, more than 10 personst complete (D.) The constructions. The Start of the person complete (D.) Regulatory approvals received. Not under construction (IP Regulatory approvals not resided to under construction (IP Regulatory approvals not resided to under construction (IP Regulatory approvals received. Not under construction (IP Regulatory approvals received. Not under construction (IP Regulatory approvals received. Not under construction (IV Under construction, more than 100 persons complete (IV) Under construction. (IP Regulatory approvals personels of to Special complete (IV) Under construction (IP Regulatory approvals precision, also to Special not opportunity. (IP Regulatory approvals personels, of the under construction (IP Regulatory approvals personels, of the under construction (IP Regulatory approvals personels, of the under construction (IP Regulatory approvals personels, or the under construction (IP) Under construction, less than or equal to 50 personet complete (IV) Under construction, less than or equal to 50	0.0 5.1 5.1 5.2 5.3 5.5
2015 20	6505151656565656565656565656565656565656	Bergham Young Links Marko (Ary Virolated-Noul) (CU) Incompatible Services to (CU) Incompatible Services (CU) Incompatible Service	Commencial Electric Unity PP	BYLL Control Energy Facility Clavisine Golds 2, LLC Clavisine Careline Golds 2, LLC Clavisine Control Golds 2, LLC Clavisine Benchall Biology BYL Bender BYL Fall Meleck BYL Hall River BY	NJ CA NC	59496 59235 59235 59234 59534 59535 59515 59516 59520 59520 59520 59520 5973 5973 5973 5973 5973 5973 5973 5973	STEDT RIV-T RI	46 Neural Gas Find Combistion Turbrie 40 Neural Gas Find Combistion Turbrie 10 Safar Photovoltais 11 Safar Photovoltais 12 Safar Photovoltais 13 Safar Photovoltais 14 Safar Photovoltais 15 Safar Photovoltais 16 Safar Photovoltais 16 Safar Photovoltais 17 Safar Photovoltais 18 Safar Photovoltais 19 Safar Photovoltais 19 Safar Photovoltais 10 Safar Photovoltais 11 Safar Photovoltais 12 Safar Photovoltais 13 Safar Photovoltais 14 Safar Photovoltais 15 Safar Photovoltais 16 Safar Photovoltais 17 Safar Photovoltais 18 Safar Photovoltais 19 Safar Photovoltais 19 Safar Photovoltais 10 Safar S	NG NG NG NG SUN SU	GT GT GT PV	(U) Under construction, less than or equal to 50 persons compilete (V) Under construction, more than 50 persons compilete (U) Under construction, more than 50 persons compilete (U) Under construction, less than or equal to 50 persons compilete (V) Requisitory appropriets (mercilet, Mort under construction) (P) Ramond for restallation, but regulatory approvate not related (P) Ramond for installation, but regulatory approvate not related (P) Ramond for installation, but regulatory approvate not related (P) Ramond for installation, but regulatory approvate not related (P) Ramond for installation, but regulatory approvate not related (P) Ramond for installation, but regulatory approvate not related (P) Remond for installation, but regulatory approvate not related (P) Remond for installation, but regulatory approvate not installation (P) Regulatory approvate received. Net under construction (I) Regulatory approvate received. Net under construction (V) Under construction, more than 60 persons compilete (V) Under construction, more than 60 persons compilete (V) Under construction, for the second of the second compilete (V) Regulatory approvate received. Net under construction (I) Regulatory approvate presente, but under construction (I) Regulatory approvate presente, and to septement compilete (U) Under construction, less than or equal to 50 persons compilete (U) Under construction, less than or equal to 50 persons compilete (U) Under construction, less than or equal to 50 persons compilete	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5
200 100 100 100 100 100 100 100 100 100	1 1996/50 1996	Cor of Verbrader - (NJ) ESA Frame Chair Services to: Escapionar, Inc. Escapionar, Inc. Escapionar, Inc. Escapionar, Inc. Frame Chair Services to: Frame Chair Services to: Frame Chair Services to: Escapionar, Inc. Frame Chair Services to: Frame Chair Services to: Frame Chair Services to: Escapionar, Inc. Frame Chair Services to: Frame Chair Services to: Escapionar, Inc. Frame Chair Services to: Escapionar, Inc. Frame Chair Services to: Escapionar, Inc. Es	Electric Unity PP	Clayville Clamins Solar 2, LLC Clamins Solar 2, LLC Clamins Solar 2, LLC Clamins Solar 2, LLC Processor Benchall Bridge PV 1 Bandler PV 1 Bandler PV 1 Bandler PV 1 Fall Mekin PV 1 Fall Clay Clay Fill Mekin PV 1 Fall Clay Clay Fill Mekin PV 1 Fall Redmont P 1 H Redmont P 1 Fall Red Finder P 1 F	NJ CA NC	58235 59334 59533 59533 59535 59515 59515 59515 59521 59521 59521 59523 59533 59533 59533 59533 59533 59533 59533 59533 59533 59533 5953	1 Nov1 AGAINS AG	6.0 Neural Gas Fined Combustion Turbrine 1.0 Staff Photocolists 1.0 Staff Staff Combustion Turbrine 1.0 Neural Gas Find Combustion Turbrine	NG SUN	GT PV	O'U Under construction, more than 50 percent complete (U) Under construction, less than or equal a 50 percent complete (I) Regulatory approvals received. Net under construction (IP) Planned for entatliation, but regulatory approvals not relitated (IP) Planned for entatliation, but regulatory approvals not relitated (IP) Planned for entatliation, but regulatory approvals not relitated (IP) Regulatory approvals received. Net under construction (I) Regulatory approvals perceived, Net under construction (I) Regulatory approvals perceived, Net under construction (I) Regulatory approvals perceived, and to under construction (I) Under contention, less thin or equal to 50 percent complete (II) Under contention, less thin or equal to 50 perc	73 18 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 2 2 2 2
1971 19	50000000000000000000000000000000000000	EEF Renovable Services to C SEA Front Class N. C. I.I.C. SEA Procision N.C. I.I.C. SEA Procision N.C. I.I.C. SEA Procision N.C. SEA	PP	Castinia Galar 2. LLC Adobte Procedion Adobte Procedion Adobte Procedion Adobte Procedion Adobte Ado	CA NC	59334 59533 59534 59533 59515 59154 59514 59520 59519 59333 57349 57349 57349 57349 59481	40AKS PRCTN BENTI BRADI FLATI L'ILRY MANN OLDC FASTI STG2 VSC2 VSC2 VSC2 VSC2 VSC2 VSC2 VSC2 VSC	18.0 State Photocolists 5.0 State Photocolists 6.0 State State Conference Inferience 6.0 Namard Sate Fined Combustion Turbries	SUN	PV P	(ii) Under construction, less thin or equal to 50 percent complete (ii) Regulatory approvals received. Not under construction (ii) Regulatory approvals received. Not under construction (iii) Regulatory approvals received. Not under construction (iii) Regulatory approvals received. Not regulatory construction (iii) Remail and approvals received to receive construction (iii) Remail and approvals received to regulatory approvals not related (iii) Remail and restallation, but regulatory approvals not related (iii) Remail and restallation, but regulatory approvals not related (iii) Regulatory approvals received. Not regulatory approvals not related (iii) Regulatory approvals received. Not regulatory approvals not related (iii) Regulatory approvals received. Not regulatory approvals not related (iii) Regulatory approvals received. Not reduce construction (iii) Regulatory approvals received. Not under construction (iii) Regulatory approvals preceived, part under construction (iii) Regulatory approvals preceived, part of the under construction (iii) Regulatory approvals preceived, part of the under construction (iii) Regulatory approvals preceived, part of the under construction (iii) Regulatory approvals preceived, part of the prevent complete (iii) Under construction, less than or equal to 50 percent complete (iii) Under construction, less than or equal to 50 percent complete	18 18 18 18 18 18 18 18 18 18 18 18 18 1
2000 1	9527777 56970	ESA Princetor NG, LLC Ecopiosus, Tec	PP	Pincenton Benthall Biology PV 1 Bindery PV 1 Bindery PV 1 Bindery PV 1 Find Meete PV 1 Find Meete PV 1 Factor Solar 1 Manning PV 1 Good Catendra PV 1 Factor Solar 1 Manning PV 1 Factor Solar 1 Manning PV 1 Factor Solar 1 Manning PV 1 Gordon Control LLC Catendra Control LLC 1 Interpretal Valley Solar Control LLC 1 Interpretal Valley Solar Control LLC 1 Interpretal Valley Solar Debt 1 MPA Charlottodel Golde Past 1 MPA Charlottodel Golde Past 1 MPA Perus Solar Debt 1 MPA Charlottodel Golde Past 1 MPA Perus Solar Debt 1 MPA Charlottodel Golde Past 1 MPA Perus Solar Debt 1 Mannin Solar LNG 1 P H Richeston	NG N	59533 99515 99154 59514 59521 59620 59519 59373 57349 59627 59483 59483 59482 59617 59483 59482 59617	PRCTN BENT1 BRAD1 FLAT1 LTLRY MANN OLDC FAIS1 NSTR CTG1 STG2 VSC2 SCRAW SPERU SPERU GEN1 SST4 PVI GEN1 SST4 PVI GEN1 SST4 PVIRT PVI	6.0 State Photocolise 5.0 State Photocolise 6.0 State Stat	SUN	PV PV PV PV PV PV CT CA PV	(1) Regulatory approvals received. Net under construction (P) Planned for installation, but regulatory approvals in orientated (1) Regulatory approvals in received. Net under construction (1) Regulatory approvals received. Net under construction (P) Planned for installation, but regulatory approvals not installation (P) Planned for installation, but regulatory approvals not installation (P) Regulatory approvals not installation, but regulatory approvals not installation (P) Regulatory approvals received. Net under construction (P) Regulatory approvals received (P) Regulatory approvals received. Net under construction (P) Under construction, more than 50 persent complete (U) Under construction, more than 50 persents complete (I) Regulatory approvals received. Net under construction (I) Regulatory approvals received, Net under construction (I) Regulatory approvals preceived, Net under construction (I) Regulatory approvals preceived, Net under construction (I) Regulatory approvals persenting, Net under construction (I) Regulatory approvals persenting, Net under construction (I) Regulatory approvals persenting, and to object the construction (I) Regulatory approvals persenting, and to object the construction (I) Regulatory approvals persenting, and to object the construction (I) Under construction, less than or equal as 50 persent complete (II) Under construction, less than or equal as 50 persent complete (II) Under construction, less than or equal as 50 persent complete (II) Under construction, less than or equal as 50 persent complete (III) Under construction, less than or equal as 50 persent complete (III) Under construction, less than or equal as 50 persent complete (III) Under construction (III) III (III) III (IIII) III (IIII) III (IIIII) III (IIIII) III (IIIII) III (IIIIII) III (IIIIII) III (IIIIII) III (IIIIII) III (IIIIIIII	5 5 5 5 5 3 3 3 5 5 5 5 2 2 2 5 5 5 6 1 2 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7
100 100 100 100 100 100 100 100 100 100	5897075 589	Ecopious, Inc Ecopious E	IPP	Benthall Bridge PV 1 Bridder PV1 Fill Medick PV1 Fill Medick PV1 Fill Medick PV1 Fill Medick PV1 Grant Bridge PV1 Grant Bridge PV1 Grant Bridge PV1 Grant Bridge Fill Fill Fill Fill Fill Fill Fill Fil	NC N	59515 59154 59514 59514 59521 59520 59529 59533 57349 57349 59667 59483	BENTT BRADT FLATT LTLRV MANN OLDC FAST NSTR CTG1 STG2 SRC2 SCRWY SPERU SPERU SPERU FMI SST4 FMI SMI SMI SMI FMI SMI SMI SMI FMI SMI SMI FMI FMI FMI FMI FMI FMI FMI FMI FMI F	So Star Protocolists So Star Star Star Protocolists So Star Star Star Star Star Star Star Star	SUN	PV PV PV PV PV PV CT CA PV	(P) Planned for installation. Just regulatory approvals not installed (T) Requisitory approvals needled, but under construction (P) Planned for installation, but regulatory approvals needled (P) Planned for installation, but regulatory approvals not entitled (P) Planned for installation, but regulatory approvals not installation (P) Planned for installation, but regulatory approvals not installation (P) Planned for installation, but regulatory approvals not installation (P) Regulatory approvals received. Not under construction (T) Regulatory approvals needled (P) Dermont complete (V) Under construction, more than 100 personal complete (V) Under construction, inso than or explain 150 personal complete (V) Under construction, inso than or explain 150 personal complete (T) Regulatory approvals received. Not under construction (T) Regulatory approvals personals Not under construction (L) Regulatory approvals personals Not under construction (L) Regulatory approvals personals Not under construction (L) Regulatory approvals personals not to provide the Construction (L) Regulatory approvals personals not to provide construction (L) Under construction, lists than or regulat in 50 personal complete (U) Under construction, less than or equal in 50 personal complete (U) Under construction, less than or equal in 50 personal complete (U) Under construction, less than or equal in 50 personal complete	5 5 5 5 5 5 5 5 5 5 5 6 22 2 2 2 2 2 2 2
2000	58970756 5897075777777777777777777777777777777777	Ecopious, Inc Esopious, Inc Fason Solar LLC Fason Solar LLC Fason Solar LLC Fason Solar LLC Ecopious, Inc Ecopious	PP	Bradley PNI Fill Medica PVI Fill Medica PVI Listle Nove PVI Listle Nove PVI Listle Nove PVI Facon Solar Nove State Annual State Fill	NG N	59514 99521 59520 59520 59520 59519 93333 57349 57349 59643 59481	FLAT1 LTLRV MANN OLDC FAIS1 NSTR CTG1 STG2 IVSC2 SCRAW SPERU SPERU STELL LKLBB PV1 PV1 PV1 SS14 PHR1 PHR2 PHR3	1.4 State Photovaltie 5.0 State Photovaltie 5.0 State Photovaltie 5.0 State Photovaltie 5.5 State Photovaltie 5.6 State Photovaltie 5.6 State Photovaltie 5.6 State Photovaltie 5.0 State Shortvaltie 5.0 Nama Case Field Combustion Turbine 6.0 Nama Case Field Combustion Turbine	SUN	PV PV PV PV PV CT CA PV FV GT	(IP) Planned for installation, but regulatory approvals not initiated (IP) Planned for installation, but regulatory approvals not initiated (IP) Planned for installation, but regulatory approvals not initiated (IP) Planned for installation, but regulatory approvals not initiated (IP) Planned for installation, but regulatory approvals not initiated for initiated (IP) Planned for installation (I	3 5 5 3 2 2 235 1286 20 2 2 1 1 6 3 3 1 4 0 3 3 7 1
100 100 100 100 100 100 100 100 100 100	58970756 5991205 599120 599120 599120 599120 599120 59	Ecopieux, Inc Ecopieux, Inc Ecopieux, Inc Ecopieux, Inc Ecopieux, Inc Ecopieux, Inc Frea Goate Company Frea Goate Frea Frea Frea ELLC Frea Goate Company Frea Goate Frea Frea Frea ELLC Frea Goate Frea ELLC Frea Frea EL	PP	Little New PV1 Menning PV1 Old Catasha PV1 Facion Selat North State Solar Center LLC Garden Selat Sela	NC NC NC NC NC CA DE CA IN	59521 59520 59519 59319 59333 58713 57349 59667 59483 59481	LTLRV MANN OLDC FAIST NSTR CTG1 STG2 IVSC2 SCRAW SPERU STELL LKLBB PV1 PV1 SS14 PHR1 PHR2 PHR3	So Sear Protocolate So Sear Sear Sear Sear Sear Sear Sear Sear	SUN	PV PV PV PV CT CA PV	(P) Planned for installation, but regulatory approvals not initiated (P) Planned for installation, but regulatory approvals not initiated (P) Planned for installation, but regulatory approvals not initiated (P) Planned for installation, but regulatory approvals not initiated (P) Planned for installation (P) Regulatory approvals resident for turder construction (P) Regulatory approvals resident for turder construction (P) Regulatory approvals resident for general recognition (P) Under construction (P) Regulatory approvals resident for general torquisite (P) Regulatory approvals resident for dispersion for construction (P) Regulatory approvals resident for turder construction (P) Regulatory approvals resident for turder construction (P) Regulatory approvals persident, but under construction (P) Regulatory approvals persident persident persident (P) Regulatory approvals persident persident (P) Regulatory approvals persident persident (P) Regulatory approvals (P) Regulatory approvals persident (P) Regulatory approvals (P) Regulatory approvals persident (P) Regulatory approvals persident (P) Regulatory approvals persident (P) Regulatory approvals (P) Regulatory approvals persident (P) Regulatory approvals persident (P) Regulatory approvals persident (P) Regulatory approvals persident (P) R	5. 5. 3. 2. 62. 23. 126. 20. 2. 1. 6. 6. 3. 1. 40. 33. 71. 71.
2015 (2015) (201	569707569747569747569747569747569747569747569747569747575777777757569747697569747569747569747569747569747569747569747569747569747569756975697569756975697569756975697569	Ecopious, Inc Ec	PP	Manning PV 1 GOI Citataba PV 1 Facos Seld II Facos I	NC NC CA DE DE CA IN IN IN IN IN CA CA TX TX TX TX TX TX TX TX TX	59520 59519 59519 59333 58713 57349 59657 59483 59482 59611 59172 5938 3466 3466 3466 3466	MANN OLDC FAIS1 NSTR CTG1 STG2 IVSC2 IVSC2 SCRAW SPERU STELL IKLBB PV1 GEN1 SS14 PHR1 PHR2 PHR2 PHR3	1.0 Salar Photocollaci 3.5 Salar Photocollaci 3.0 Salar Photocollaci 2.0 Salar Photocollaci 4.0 Salar Photocollaci 2.0 Salar Photocollaci 2.0 Salar Photocollaci 2.0 Salar Photocollaci 3.0 Salar Sala	SUN SUN SUN SUN SUN NG NG SUN	CA PV PV PV PV PV PV PV PV GT	(P) Planned for installation, but regulatory approvals not installation (P) Planned for installation, but regulatory approvals not installated (P) Planned for installation, but regulatory approvals not installated (P) Planned for restallation, but regulatory approvals or controllation (P) Under construction, more than 50 persent complete (V) Under construction, more than 50 persent complete (V) Under construction, less than or regula 160 persent complete (V) Regulatory approvals received, but under construction (P) Regulatory approvals received, but under construction (P) Regulatory approvals persenting, but under construction (P) Regulatory approvals persenting persenting persenting persenting persenting persenting (P) Under construction (P) Under construction, less than or equal to 50 persent complete (V) Under construction, less than or equal to 50 persent complete (V) Under construction, less than or equal to 50 persent complete (P) Under construction, less than or equal to 50 persent complete (P) (P) Under construction, less than or equal to 50 persent complete (P) (P) Under construction, less than or equal to 50 persent complete (P) (P) Under construction, less than or equal to 50 persent complete (P) (P) Under construction, less than or equal to 50 persent complete (P) (P) Under construction, less than or equal to 50 persent complete (P)	5.3 3.1 2.2 2.355,1 126,- 20,- 21,- 1,- 6,- 3,- 40,- 33,- 71,- 71,- 71,-
2015 20	591325 56615 566515 56631 56631 59433 9234 9234 9234 59354 59354 58965 58965 58965 54888 54888 54888 54888 54888 54888 54888 54888 54888 55978 573777 14624 59146 59	Fason Sort LC Free State Energy LCH Garrison Manicipal Power Agency LCH Garrison Manicipal Power Agency LCH Garrison Manicipal Power Agency LCH GARRISON GARRISON GARRISON Manicipal Energy Manicipal Energy Manicipal Energy Manicipal Energy Manicipal Garrison Garrison Manicipal Garrison Manic	PP PP PP PP PP PP PP PP PP Electric Utility Electric Utility PP	Facon Solar NumP Star Solar Interpretable Common Energy Centre LLC Common Energy Centre Christian APA Trus Solar De Sol	NC CA DE DE DE CGA IN IN IN IN IN CGA CA TX	59333 58713 57349 57349 59657 59483 59481 59481 59172 59190 55382 5338 3466 3466 3466 3466	FAIST NSTR CTG1 STG2 IVSC2 SCRAW SPERU STELL LKLBB PV1 GEN1 SS14 PHR1 PHR2 PHR2 PHR3	2.0 State Photocolists 2.5 State Photocolists 18.0 Natural Gas First Combined Cycle 18.0 Natural Gas First Combined Cycle 28.0 State Gas First Combined Cycle 28.0 State Photocolists 1.0 State Photocolists 2.0 State Gas	SUN SUN NG NG SUN	CA PV PV PV PV PV PV PV PV GT	(T) Regulatory approvals received. Net under construction (T) Regulatory approvals received. Net under construction (Y) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete (I) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction (L) Regulatory approvals perceived, Not under construction (L) Regulatory approvals perceived, Not under construction (L) Under construction, essemble or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	2) 62: 235) 126: 20) 2: 1: 6: 3: 1: 40) 33: 71: 71:
0.000 0.000	\$66151 566151 5665151	First Solar Fenergy LLC Gentless Effering Celente LLC Gentless Manicage Perex Agency Indiana Manicage Perex Agency Indiana Manicage Perex Agency LLC BLRD LLC Matter Solar LLC Mill Telente Perex LLC Mill Telente Mill	PP PP PP PP Electric Utility Electric Utility Electric Utility PP	North Stat Golars Garrison Energy Centre LLC Gentrison Energy Centre LLC Gentrison Energy Centre LLC Gentrison Energy Centre LLC State Control Control Gentrison Energy Centre LLC MPA Part State Parts LLC BERD, LLC Bellmort Meron Solar Max Morrison Part Endrison Part Endrison Part Endrison Part Endrison Part Endrison Part Robinson Part R	DE CA IN IN IN IN IN CA CA TX TX TX TX TX TX TX	58713 57349 57349 59657 59483 59481 59481 59611 59172 59190 55352 58388 3466 3466 3466	NSTR CTG1 STG2 IVSC2 SCRAW SPERU STELL IKLBB PV1 PV1 GEN1 SS14 PHR1 PHR2 PHR2 PHR3	GE 5 State Photocolists 1810 Network Gas Fixed Combined Cycle 1810 Network Gas Fixed Combined Cycle 1210 State Photocolists 2.0 State Photocolists 2.0 State Photocolists 2.0 State Photocolists 2.0 State Photocolists 3.0 State Photocolists 3.0 State Photocolists 3.1 State Photocolists 3.1 State Photocolists 3.2 State Photocolists 3.3 State	SUN NG NG SUN	CA PV PV PV PV PV PV PV PV GT	(1) Regulatory approvals received. Net under construction (3) Under construction, more than 100 personst complete (3) Under construction, more than 100 personst complete (3) Under construction, more than 100 personst complete (3) Regulatory approvals received. Net under construction (7) Regulatory approvals received. Net under construction (7) Regulatory approvals received. Net under construction (8) Regulatory approvals personle, Net under construction (9) Regulatory approvals personle, Net under construction (1) Under construction, issee than or equal to 50 persons complete (1) Under construction, less than or equal to 50 persons complete (1) Under construction, less than or equal to 50 persons complete	62) 235: 126.6 200: 2: 2: 11 6: 3.3 1: 12 40: 33.3 71: 71: 71:
2015 20	56691 59433 92344 92345 593545 58965 58965 58985 54888 54888 54888 54888 54888 54888 54888 54888 54888 55979 573777 146245 59146 59042	Goriano Ricergy Control LLC Inopinal Walling State On (19CG) 2, LLC Indiana Manicipal Proper Assertive Indiana Manicipal Proper Assertive Indiana Manicipal Proper Assertive Indiana Manicipal Proper Assertive Indiana Manicipal Manicipal Indiana Indiana Manicipal Indiana Indiana Indiana Manicipal Indiana Indian	IPP IPP IPP Electric Utility Electric Utility Electric Utility IPP IPP IPP IPP IPP IPP IPP IPP IPP IP	Gartinos Energy Corres LLC Improved Visiting Sector On (SGC) 2 IRPA Carelotedwish Edule Park IRPA Carelotedwish Edule Park IRPA Carelotedwish Edule Park IRPA Carelotedwish Edule Park IRPA CARELOTE IRPA IR Edulescon IRPA Ed	DE CA IN IN IN IN IN CA CA TX TX TX TX TX TX TX	57349 59657 59483 59481 59482 59611 59172 59180 55352 58388 3466 3466 3466 3466 3466	STG2 INSC2 SCRAW SPERU STELL LKLBS PV1 PV1 GEN1 SS14 PHR1 PHR2 PHR3	126.0 Neural Gas Fried Combined Cycle 20.0 Slad or Photocylatia 2.0 Slad or Photocylatia 2.0 Slad or Photocylatia 2.0 Slad or Photocylatia 1.0 Slad or Photocylatia 1.0 Slad or Photocylatia 3.0 Slad or Special Combination Turbine 6.0 Neural Gas Fried Combination Turbine 6.0 Neural Gas Fried Combination Turbine 6.0 Neural Gas Fried Combination Turbine	NG SUN SUN SUN SUN SUN SUN SUN SUN WND SUN NG NG	CA PV PV PV PV PV PV PV PV GT	(V) Under construction, more than 50 percent complete. (U) Under construction, less than or regular to 50 percent complete. (I) Regulatory approvals received. Mot under construction. (I) Regulatory approvals received. Mot under construction. (I) Regulatory approvals perceived, but under construction. (I) Regulatory approvals perceived, but under construction. (I) Regulatory approvals perceived, but under construction. (I) Regulatory approvals perceived, and under construction. (I) Regulatory approvals perceived, part under construction. (I) Under construction, less than or equal to 50 percent complete. (II) Under construction, less than or equal to 50 percent complete.	126) 20) 2) 2) 1) 6) 3) 11 40) 33) 71; 71;
2015 20	\$ 59433 9234 9234 9234 5935 58965 58965 58965 54888 54888 54888 54888 54888 54888 54888 54888 54888 55979 573777 573777 57377 57477 57477 57477 57477 57477 57477 57477 57477 57477 574777 57477 57477 57477 57477 57477 57477 57477 57477 574777 57477 57477 57477 57477 57477 57477 57477 57477 574777 57477	Imperial Valley, Salar Co. (1950.) 2, LLC Indiana Manicapia Power Amony Distana Manicapia Power Amony Distana Manicapia Power Agency Learner Commission Commission Commission Manicapia Power Agency Learner Manicapia Commission Manicapia Mani	PP Electric Utility Ele	Imposed Valley Solar Co (1960) 2 MAR C Transforchist Gold Park MAR	IN IN IN FL IN IN CA CA TX TX TX TX TX TX TX	59657 59483 59481 59481 59482 59611 59172 59180 55352 58388 3466 3466 3466 3466 3466	IVSC2 SCRAW SPERU STELL LKLBB PV1 PV1 GEN1 SS14 PHR1 PHR2 PHR3	20 0 State Photocolists 2 0 State Photocolists 2 0 State Photocolists 3 0 State Photocolists 3 0 State Photocolists 3 0 State Photocolists 4 0 State Photocolists 4 0 State Photocolists 5 0 State Photocolists 6 0 Onshore Wird Tufning 6 0 Onshore Wird Tufning 6 0 Namard State Photocolists 6 0 Namard State P	SUN SUN SUN SUN SUN SUN SUN SUN WND SUN WND SUN NG	PV PV PV PV PV PV WT PV GT	(U) Under construction, less than or equal to 50 persons complete (I) Regulation approvals nerified. Not under construction (I) Regulation approvals nerified, Not under construction (I) Regulation approvals nerified. Not under construction (I) Regulation approvals personic, Not under construction (I) Regulation approvals personic, Not under construction (I) Regulation approvals personic, Not under construction (I) Under construction, Institute or regulat 16 50 persons complete (I) Under construction, less than or equal 16 50 persons complete (I) Under construction, less than or equal 16 50 persons complete (I) Under construction, less than or equal 16 50 persons complete (I) Under construction, less than or equal 16 50 persons complete (I) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction, less than or equal 16 50 persons complete (II) Under construction (II) Under construction, less than or equ	20) 2) 2) 1) 6) 3) 1) 40) 33) 71) 71)
2015 20	9234 9234 59354 58965 58965 58965 58965 54888 54888 54888 54888 54888 59278 59146 59146 59146 59146 59146 59146 59146	Indiana Maringal Pener Agency Indiana Maringal Pener Agency IUR B.B.B. LLC Mallon Solve LLC Melon Texas Pener LLC Melon Texas Pener LLC Melon Solve LLC Melon Melon Solve LLC Melon Solve LLC Melon Melo	Electric Utility Electric Utility IPP IPP IPP IPP IPP IPP IPP IPP IPP IP	MAP A Peus Solar Pasis MAP A Tel Cuty Solar Pasis U-R. BLBD, LLC Bellmont Memor Solar Hul Memor Solar Hul Memor Solar Hul Pasis Hul Pasi	IN IN FL IN IN CA CA TX TX TX TX TX TX TX TX	59481 59482 59611 59172 59180 55352 58388 3466 3466 3466 3466	SPERU STELL LKLBB PV1 PV1 GEN1 SS14 PHR1 PHR2 PHR3	2.0 Salar Photovoltaic 1.1 Sidar Photovoltaic 6.0 Sidar Photovoltaic 8.0 Sidar Photovoltaic 1.3 Sidar Photovoltaic 1.5 Sidar Photovoltaic 1.5 Sidar Photovoltaic 8.0 Oliversor Wind Tunine 3.2 Sidar Photovoltaic 6.0 Natural Gas Pried Combustion Turbine	SUN SUN SUN SUN SUN SUN WND SUN NG NG	PV PV PV PV PV WT PV GT	(1) Regulatory approvals received. Nat under construction (1) Regulatory approvals received. Nat under construction (1) Regulatory approvals preceived, but under construction (1) Regulatory approvals preceive, but under construction (1) Under construction, inset than or equal to 50 precent compilete (1) Under construction, less than or equal to 50 precent compilete (1) Under construction, less than or equal to 50 precent compilete	2.0 1.4 6.4 3.4 1.2 40.0 33.4 71.2 71.2
2015 20	\$ 9234 \$ 9354 \$ 58955 \$ 58955 \$ 58955 \$ 58955 \$ 58955 \$ 58977 \$ 54888 \$ 54888 \$ 54888 \$ 54888 \$ 54888 \$ 59278 \$ 59146 \$ 591	Indiana Maningal Preser Agency U.M. BIBO LLC Halon See LLC Halon	Electric Utility PP	MeA Tell Chy State Park Life BMO, LLE Marten State LMG Marten State LMG Marten State LMG And Massa Pragraph Passa N/ Solar Stat 1 PH Robinson	CA CA TX	59482 59611 59172 59180 55352 58388 3466 3466 3466 3466 3466	STELL LKLBB PVI PVI GENI SS14 PHR1 PHR2 PHR3	1.0 Solar Photovoltaic 6.0 Solar Photovoltaic 3.1 Solar Photovoltaic 1.5 Solar Photovoltaic 1.5 Solar Photovoltaic 4.0.0 Devatore Wind Turbine 2.2 Solar Photovoltaic 6.0.1 Natural Gas Fred Combustion Turbine 6.0.1 Natural Gas Fred Combustion Turbine 6.0.0 Natural Gas Fred Combustion Turbine 6.0.0 Natural Gas Fred Combustion Turbine	SUN SUN SUN SUN WND SUN NG NG	PV PV WT PV GT	(1) Regulatory approvals received. Not under construction (L) Regulatory approvals permitting. Not under construction (L) Regulatory approvals permitting. Not under construction (L) Regulatory approvals permitting. Not under construction (L) Under construction, set than or equal to 50 percent complete (L) Under construction, less than or equal to 50 percent complete (L) Under construction, less than or equal to 50 percent complete (L) Under construction, less than or equal to 50 percent complete (L) Under construction, less than or equal to 50 percent complete (L) Under construction, less than or equal to 50 percent complete	1.6 6.1 3.1 1.2 40.1 33.1 71.2 71.2
2015 20	593545 59965 58965 58965 511664 58377 58377 54888	LIA BLRD, LLC Minon Solar LLC Minon Toman Perser LLC Minon Toman Perser LLC Minon Toman Perser LLC Minon Solar LLC Minon Solar LLC Minon Solar LLC PPG - CAMP Planda Temple Power LLC PRO - CAMP Planda Temple Power LLC Rough Time Wind Fare III LLC Sanay Time Wind Fare III LLC Sanay Time Wind Fare III LLC Sanay Time Wind Fare III LLC	PP IPP IPP IPP IPP IPP IPP IPP IPP IPP	U.S. BLBD, U.C. Berlinott Maron Solar Vici. Maron Solar Vici. Maron Solar Vici. Maron Solar Vici. P. H. Britanson P. H. Bri	CA CA TX	59172 59180 55352 58388 3466 3466 3466 3466 3466	PVI PVI GENI SS14 PHR1 PHR2 PHR3	3.8 Solar Photovoltaic 1.5 Selar Photovoltaic 40.0 Onshore Wind Turbine 32.2 Solar Photovoltaic 60.0 Natural Gas Fired Combustion Turbine 60.0 Natural Gas Fired Combustion Turbine 60.0 Natural Gas Fired Combustion Turbine	SUN SUN WND SUN NG NG	PV PV WT PV GT	(i) Regulatory approvale pending, Not under construction (i) Regulatory approvale pending, Not under construction (ii) Regulatory approvale pending, Not under construction (iii) Under construction, less than or equal to 50 percent complete (iii) Under construction, less than or equal to 50 percent complete (iii) Under construction, less than or equal to 50 percent complete (iii) Under construction, less than or equal to 50 percent complete (iii) Under construction, less than or equal to 50 percent complete	3.8 40.6 33.6 71.5 71.5
2015 12015	58965 116645 116645 548885 548885 548885 548885 548885 548885 548885 59179 573777 573777 573777 5914624 591465 590426 590426 590426 590426 590486 580486 580486 580486	Materia State LLC Made Technologies Corp Made Technologies Corp Made Technologies Corp Made Technologies Corp Made Technologies Made Technol	IPP	Marion Solar LNG Alla Mesa Project Phase IV Solar Star 1 PH Robinson	CA CA TX	59180 56352 58388 3466 3466 3466 3466 3466	PVI GEN1 SS14 PHR1 PHR2 PHR3 PHR4	Solar Photovoltaic 40.0 Onshore Wind Turbine 32: Solar Photovoltaic 60.0 Natural Gas Fired Combustion Turbine 60.0 Natural Gas Fired Combustion Turbine 60.0 Natural Gas Fired Combustion Turbine	SUN WND SUN NG NG	PV WT PV GT	(L) Regulationy approvals pendine. Not under construction (U) Linder construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	1.9 40.0 33.0 71.3 71.3
2015 12015	11664 583777 54888 54888 54888 54888 54888 59279 573777 573777 591466 591466 591466 59278 58414 58944 58944	Meh Technologies Corp Mehrmerian Gold LLC MRO Trains Pereir LLC PRO - CAMP Praint Temple Pereir LLC PRO - CAMP Praint Temple Pereir LLC PRO - CAMP Praint Temple Pereir LLC PRO No 2 of Centr Country MRO - CAMP Praint Temple Pereir LLC RAD No 2 of Centr Country Resident Mro - CAMP Praint Pereir LLC Seary Three Wind Farm III LLC	IPP	Alta Mesa Project Phase IV Solar Start 1 P H Rösinson P H	CA TX	56352 58388 3466 3466 3466 3466 3466	SS14 PHR1 PHR2 PHR3 PHR4	40.0 Onshore Wind Turbine 32.2 Solar Photovoltaic 60.0 Natural Gas Fired Combustion Turbine 60.0 Natural Gas Fired Combustion Turbine 60.0 Natural Gas Fired Combustion Turbine	WND SUN NG NG NG	PV GT	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	33.0 71.3 71.3
2015 12015	54888 54888 54888 54888 54888 54888 59279 57377 57377 57377 514624 59146 59146 59278 59278 59278 5948 5948 5948 5948 5948 5948	INST Trans Preser LLC INST State LLC INST	IPP	P H Robinson Noto Solar Noto Solar P H Robinson Noto Solar P H Robinson P P H Robinson P P H Robinson Noto Solar P P H Robinson P P H Robinson	TX TX TX TX TX TX NC	3466 3466 3466 3466 3466	PHR1 PHR2 PHR3 PHR4	60.0 Natural Gas Fired Combustion Turbine 60.0 Natural Gas Fired Combustion Turbine 60.0 Natural Gas Fired Combustion Turbine	NG NG NG	GT GT	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	71.
2015 12015	54888 54888 54888 54888 54888 55279 57377 57377 57377 57377 57377 59146 59146 59146 59146 59146 59146 59146 59146	NGG Teas Pewer LLC NGG Steas Pewer LLC NGG Steas Pewer LLC PSG - CAMP Pemid Temple Pewer LLC PSG - CAMP Pemid Temple Pewer LLC PSG - CAMP Pemid Temple Pewer LLC RGG Teas Pewer LLC	IPP	P H Robinson Nitro Solar Panda Temple Power Station Panda Temple Power Station Panda Temple Power Station	TX TX TX NC TX	3466 3466 3466 3466	PHR2 PHR3 PHR4	60.0 Natural Gas Fired Combustion Turbine 60.0 Natural Gas Fired Combustion Turbine	NG NG	GT	(U) Under construction, less than or equal to 50 percent complete	71.3
2015 12015	54888 54888 59279 573775 573775 573775 514624 59146 59042 59278 58414 58414 58984	NRG Teas Power LLC NRG Teas Power LLC NRG East Power LLC NRG East Power LLC PPG - COMP Parket Temple Power LLC Red Temple - Covery Red Temple - Co	IPP IPP IPP IPP IPP Electric Utility IPP IPP	P H Robinson Ntro Solar Panda Temple Power Station Panda Temple Power Station Panda Temple Power Station Panda Temple Power Station	TX TX NC TX	3466 3466	PHR4			CT	(LI) Under construction, less than or equal to 50 percent complete.	
2015 20	54888 59279 573777 573777 573777 5146245 591466 591466 59042 59278 59278 584146 584146 58984	NRG Tenas Power LLC NRG Sdar, LLC PGG - O&M Penda Temple Power LLC Rod Horse 2 Rod Horse 2 Rod Horse 2 Rod Horse 2 Rod Horse 3 Rod Horse 4 Rod Horse 4 Rod Horse 5	IPP IPP IPP IPP IPP Electric Utility IPP IPP	P H Robinson Ntro Solar Panda Temple Power Station Panda Temple Power Station Panda Temple Power Station	NC TX	3466				GT		71.2
2015 20	57377 57377 57377 57377 14624 59146 59146 59042 59278 56918 58414 58414	PPG - O&M Panda Temple Power LLC PPG - O&M Panda Temple Power LLC PPG - O&M Panda Temple Power LLC PUD No 2 of Grant County Red Horse 2 Red Horse 2 Raing Tree Wind Farm III LLC Sarah Solar, LLC	IPP IPP Electric Utility IPP IPP	Panda Temple Power Station Panda Temple Power Station Panda Temple Power Station	TX	EDEDI	PHR5	60.0 Natural Gas Fired Combustion Turbine	NG NG	GT	 (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete 	71.2
2015 12015	57377 57377 57377 5 14624 5 59146 5 59146 5 59042 5 59278 5 56918 5 58414 5 58414	PPG - O&M Panda Temple Power LLC PPG - O&M Panda Temple Power LLC PUD No 2 of Grant County Red Horse 2 Red Horse 2 Rising Tree Wind Farm III LLC Sarah Solar, LLC	IPP IPP Electric Utility IPP	Panda Temple Power Station Panda Temple Power Station	TX	39301	NITRO	5.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015 (57377 14624 5 59146 5 59146 5 59042 5 59278 5 58918 5 58414 5 58414	PPG - O&M Panda Temple Power LLC PUD No 2 of Grant County Red Horse 2 Red Horse 2 Red Forse 2 Rising Tree Wind Farm III LLC Sarah Solar, LLC	IPP Electric Utility IPP IPP	Panda Temple Power Station		58001 58001	CTG-3	204.0 Natural Gas Fired Combined Cycle 204.0 Natural Gas Fired Combined Cycle	NG NG	CT	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	232.0
2015 (2015) (201	5 59146 5 59146 6 59042 6 59278 6 58918 6 58414 6 58844 6 58984	Red Horse 2 Red Horse 2 Rising Tree Wind Farm III LLC Sarah Solar, LLC	IPP IPP		TX	58001	STG-2	309.0 Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	232.0 339.2
2015 (2015) (201	59146 59042 59278 56918 58414 58414 588414	Red Horse 2 Rising Tree Wind Farm III LLC Sarah Solar, LLC	IPP	Wanapum Red Horse 2	WA AZ	3888 58833	9A RH2S	122.0 Conventional Hydroelectric 51.0 Solar Photovoltaic	WAT	HY PV	 (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete 	122.0
2015 6 2015 6 2015 6 2015 6 2015 6 2015 6 2015 6 2015 6 2015 6 2015 6	5 59278 5 56918 5 58414 5 58414 5 58984	Sarah Solar, LLC		Red Horse 2	AZ	58833	RH2W	30.0 Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	30.0
2015 (2015) (201	56918 58414 58414 58984	University of California San Diego	IPP IPP	Rising Tree Wind Farm III Sarah Solar	CA	59236 59500	GEN1 SARAH	99.0 Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	99.0
2015 (2015) (201	58414 58414 58984		Commercial	University of California San Diego	CA	57584	BS1	5.0 Solar Photovoltaic 2.5 Batteries	MWH	BA	 (T) Regulatory approvals received. Not under construction (P) Planned for installation, but regulatory approvals not initiated 	2.5
2015 (58984	Victor Dry Farm Ranch	IPP	Victor Dry Farm Ranch A	CA	58418	1	5.0 Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2015 6 2015 6 2015 6		Victor Dry Farm Ranch Winton Solar LLC	IPP IPP	Victor Dry Farm Ranch B Winton Solar	CA NC	58419 59177	5MWPV	5.0 Solar Photovoltaic 5.0 Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete (L) Regulatory approvals pending. Not under construction	5.0
2015		Woodland Solar LLC	IPP	Woodland Solar	NC	59175	5MWPV	5.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015	58661	sPower sPower	IPP	Leaverworth Greenworks LLC SEPV Palmdale East	CA	59276 59273	LEAVG PALME	9.5 Solar Photovoltaic 10.0 Solar Photovoltaic	SUN	PV Dv/	 (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete 	9.5
			IPP	Sierra Solar Greenworks	CA	59431	SSG1	20.0 Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2015	59381	Centaurus Renewable Energy, LLC	IPP	Kettleman Solar -Centaurus	CA MD	59633 1556	KS GT6	20.0 Solar Photovoltaic	SUN	PV GT	(P) Planned for installation, but regulatory approvals not initiated	20.0
2015	58970	Constellation Power Source Gen Ecoplexus, Inc	IPP	Perryman Baker PV 1	NC	59517	BAKE1	109.8 Natural Gas Fired Combustion Turbine 5.0 Solar Photovoltaic	NG SUN	PV	(V) Under construction, more than 50 percent complete (P) Planned for installation, but regulatory approvals not initiated	141.0
2015	58970	Ecoplexus, Inc	IPP	Thornton PV1	NC	59152	THOR1	5.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2015		First Wind O&M, LLC Foxfire Farm, LLC	IPP IPP	Greenville Solar Plant Foxfire Solar Farm	UT NC	58603 59563	GVSP1 PV1	2.2 Solar Photovoltaic 5.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	2.2 5.0
2015	11208	Los Angeles Department of Water & Power	Electric Utility	Van Norman Bypass Solar Project	CA	57307	1	3.4 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.4
2015	59341	Maricopa West Solar PV, LLC Millikan Farm, LLC	IPP IPP	Maricopa West Solar Millikan Farm	CA NC	59607 59576	MWS PV1	20.0 Solar Photovoltaic 5.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction (L) Regulatory approvals pending. Not under construction	20.0
2015		Newark Energy Center, LLC	IPP	Newark Energy Center	NJ	58079	GT-1	200.0 Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	225.0
2015	57457	Newark Energy Center, LLC	IPP IPP	Newark Energy Center	NJ	58079	GT-2	200.0 Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	225.0
2015		Newark Energy Center, LLC Qualcomm Incorporated	Commercial	Newark Energy Center P Plant	CA	58079 59456	STG-1 P-TG5	285.0 Natural Gas Fired Combined Cycle 4.0 Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	285.0 4.6
2015	59336	Schell Solar Farm, LLC	IPP	Schell Solar Farm	NC	59591	PV1	5.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2015		Southern California Edison Co Stikeleather Farm, LLC	IPP IPP	Tehachapi Energy Storage Project Stikeleather Farm	CA NC	59661 59595	TSP1 PV1	8.0 Batteries 5.0 Solar Photovoltaic	MWH	BA PV	(TS) Construction complete, but not yet in commercial operation (T) Regulatory approvals received. Not under construction	8.0
2015	59332	Yadkin 601 Farm, LLC	IPP	Yadkin 601 Farm	NC	59587	PV1	3.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2015		70SM 8me LLC 87RL 8me LLC	IPP IPP	Calipatria Solar Farm Woodmere Solar Farm	CA	59088 59008	GEN 1	20.0 Solar Photovoltaic 15.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction (U) Under construction, less than or equal to 50 percent complete	20.0
2015	803	Arizona Public Service Co	Electric Utility	City of Phoenix	AZ	59444	PV1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2015	58770	Balko Wind LLC	IPP IPP	Balko Wind LLC	OK	58900 59040	BAL1 GEN 1	299.7 Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	299.7
2015		Blue Heron Hydro LLC Blue Heron Hydro LLC	IPP	Ball Mountain Hydro Ball Mountain Hydro	VT	59040 59040	GEN 1	0.2 Conventional Hydroelectric 0.2 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	0.2
2015	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 3	0.2 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015			IPP IPP	Ball Mountain Hydro Ball Mountain Hydro	VT	59040 59040	GEN 5 GEN 6	0.2 Conventional Hydroelectric 0.2 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	0.2
2015	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN 7	0.2 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015	58877	Blue Heron Hydro LLC	IPP IPP	Ball Mountain Hydro Ball Mountain Hydro	VT	59040 59040	GEN 8 GEN 9	0.2 Conventional Hydroelectric 0.2 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	0.0
2015	58877	Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN10	0.2 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.2
2015		Blue Heron Hydro LLC Blue Heron Hydro LLC	IPP IPP	Ball Mountain Hydro Ball Mountain Hydro	VT	59040 59040	GEN11 GEN12	0.2 Conventional Hydroelectric 0.2 Conventional Hydroelectric	WAT	HY HY	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	0.3
2015		Blue Heron Hydro LLC	IPP	Ball Mountain Hydro	VT	59040	GEN12 GEN4	0.2 Conventional Hydroelectric 0.2 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	0.2
2015		Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN1	0.1 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.1
2015 I		Blue Heron Hydro LLC Blue Heron Hydro LLC	IPP IPP	Townshend Hydro Townshend Hydro	VT	59089 59089	GEN10 GEN11	0.1 Conventional Hydroelectric 0.1 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	0.
2015	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN12	0.1 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.
2015 I		Blue Heron Hydro LLC Blue Heron Hydro LLC	IPP	Townshend Hydro Townshend Hydro	VT	59089 59089	GEN2 GEN3	0.1 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	0.
2015	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN4	Conventional Hydroelectric Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.
2015	58877	Blue Heron Hydro LLC Blue Heron Hydro LLC	IPP IPP	Townshend Hydro	VT	59089 59089	GEN5 GEN6	0.1 Conventional Hydroelectric	WAT	HY HY	(L) Regulatory approvals pending. Not under construction	0.
2015			IPP IPP	Townshend Hydro Townshend Hydro	VT	59089 59089	GEN6 GEN7	0.1 Conventional Hydroelectric 0.1 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	0.
2015	58877	Blue Heron Hydro LLC	IPP	Townshend Hydro	VT	59089	GEN8	0.1 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.
2015	58877	Blue Heron Hydro LLC Downs Farm Solar, LLC	IPP IPP	Townshend Hydro Downs Farm Solar	VT NC	59089 59429	GEN9 DOWN1	0.1 Conventional Hydroelectric 5.0 Solar Photovoltaic	WAT	HY	(L) Regulatory approvals pending. Not under construction (U) Under construction, less than or equal to 50 percent complete	0.
2015		First Wind O&M, LLC	IPP	Beryl Solar Plant	UT	58598	BSP1	3.0 Solar Photovoltaic	SUN	PV	(0) Under construction, less than or equal to 50 percent complete (T) Regulatory approvals received. Not under construction	3.
2015	59155	First Wind O&M, LLC	IPP	Buckhorn Solar Plant	υT	58600	BSP1	3.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3
2015		First Wind O&M, LLC First Wind O&M, LLC	IPP IPP	Cedar Valley Solar Plant Granite Peak Solar Plant	UT	58599 58604	CVSP1 GPSP1	3.0 Solar Photovoltaic 3.0 Solar Photovoltaic	SUN	PV PV	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	3
2015	59155	First Wind O&M, LLC	IPP	Laho Solar Plant	UT	58602	LSP1	3.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3
2015	59155	First Wind O&M, LLC	IPP	Milford Flat Solar Plant	UT	58601	MFSP1	3.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3
2015		First Wind O&M, LLC Invenergy Services LLC	IPP IPP	Route 66 Wind Plant Ector County Energy Center	TX TX	58681 58471	RT661 CTG1	150.0 Onshore Wind Turbine 163.3 Natural Gas Fired Combustion Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	150 173
2015	49893	Invenergy Services LLC	IPP	Ector County Energy Center	TX	58471	CTG2	163.3 Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	173
2015	49805	Kennecott Utah Copper NGP Lenape Solar II, LLC	Industrial	Kennecott Power Plant Lenape II	UT	56163 58703	MCHP 1	5.9 Natural Gas Fired Combustion Turbine 4.0 Solar Photovoltaic	NG	GT PV	(V) Under construction, more than 50 percent complete (T) Regulatory approvals received. Not under construction	6

	5. Plai	nned U.S	i. Electric Generating Unit Additions								Energy	Daima		
Year I	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Source Code	Mover Code	Status	Namepla Capacity (MV
2015	8	40229	Old Dominion Electric Coop	PP	Monterey Diesel Generation Facility	VA	59614	MDG1		Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	0
2015 2015	8	40229	Old Dominion Electric Coop Old Dominion Electric Coop	IPP IDD	Monterey Diesel Generation Facility Monterey Diesel Generation Facility	VA	59614 59614	MDG10 MDG2		Petroleum Liquids Petroleum Liquids	DEO	IC	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	
2015	8	40229	Old Dominion Electric Coop	IPP	Monterey Diesel Generation Facility	VA	59614	MDG3		Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	
2015	8	40229	Old Dominion Electric Coop	IPP	Monterey Diesel Generation Facility	VA	59614	MDG4		Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	
2015	8		Old Dominion Electric Coop Old Dominion Electric Coop	IPP IPP	Monterey Diesel Generation Facility Monterey Diesel Generation Facility	VA	59614 59614	MDG5 MDG6		Petroleum Liquids Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	
2015	8		Old Dominion Electric Coop Old Dominion Electric Coop	PP	Monterey Diesel Generation Facility	VA	59614	MDG6 MDG7		Petroleum Liquids Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	
2015	8		Old Dominion Electric Coop	IPP	Monterey Diesel Generation Facility	VA	59614	MDG8		Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	0
2015 2015	8		Old Dominion Electric Coop Shannon Wind LLC	IPP IPP	Monterey Diesel Generation Facility Shannon Wind	VA TX	59614 59034	MDG9 SHAN1		Petroleum Liquids Onshore Wind Turbine	DFO	IC	(L) Regulatory approvals pending. Not under construction (U) Under construction, less than or equal to 50 percent complete	204
2015	8		WEHRAN Energy Corporation	PP	Brookhaven Facility	NY	55778	SHAN1 BH5		Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	204
2015	8	56334	WEHRAN Energy Corporation	IPP	Brookhaven Facility	NY	55778	BH6	0.5	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	0
2015	8	58716	Windsor Cooper Hill Solar, LLC	IPP IPP	Windsor Cooper Hill Solar, LLC	NC	58847 59585	1 PV1		Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5
2015 2015	9	59330	Wommack Farm, LLC Adelanto I Solar, LLC	IPP	Wommack Farm Adelanto I Solar, LLC	CA	59441	SAS		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (U) Under construction, less than or equal to 50 percent complete	20
2015	9	58981	Bethel Solar LLC	PP	Bethel Solar	NC	59173	SMWPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5
2015	9	57365	Consolidated Edison Solutions Inc	IPP IPP	Future Generation Wind	MA	59622 59249	FGMA		Onshore Wind Turbine Solar Photovoltaic	WND	WT	(L) Regulatory approvals pending. Not under construction	8
2015	9		Infigen Asset Management LLC Infigen Asset Management LLC	PP	Rio Bravo Solar 1 LLC Wildwood Solar II	CA	59253	PV1		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	15
2015	9		NJR Clean Energy Ventures Corporation	IPP	Hanover	NJ	59628	HNOVR		Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5
2015	9		NJR Clean Energy Ventures Corporation	IPP	Harmony	NJ	59627	HRMNY	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3
2015 2015	9	58609	OwnEnergy Inc Public Service Elec & Gas Co	IPP IPP	Alexander Wind Farm LLC L&D Landfill Solar	KS	58666 59601	1 L&D	48.3 10.0	Onshore Wind Turbine Solar Photovoltaic	WND	WT DV	(U) Under construction, less than or equal to 50 percent complete (T) Regulatory approvals received. Not under construction	48
2015	9			IPP	Roundtop	PA	58715	GEN1		Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2015	9	58652	Roundtop Energy LLC	IPP	Roundtop	PA	58715	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	- 4
2015	9	58652	Roundtop Energy LLC	IPP IPP	Roundtop Roundtop	PA	58715 58715	GEN3		Other Natural Gas Other Natural Gas	NG NG	IC	(L) Regulatory approvals pending. Not under construction	4
2015 2015	9			PP	Roundtop	PA	58715	GEN4			NG	IC.	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	4
2015	9	58565	Saddleback Ridge Wind, LLC	PP	Saddleback Ridge Wind Farm	ME	58608	SRW1	34.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	34
2015	9	54842	WM Renewable Energy LLC	IPP	Waste Management Tri-Cities LFGTE	CA	57164	GEN1	1.6	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1
2015 2015	9		WM Renewable Energy LLC Boise White Paper LLC	IPP Industrial	Waste Management Tri-Cities LFGTE Boise Cascade International Falls	CA MN	57164 10486	GEN2 GEN 6		Landfill Gas Wood/Wood Waste Biomass	LFG BLQ	IC ST	(P) Planned for installation, but regulatory approvals not initiated	1 40
2015	10		Ecoplexus, Inc	IPP	Shawboro PV1	NC	59155	SHAW1		Wood/Wood Waste Blomass Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete (T) Regulatory approvals received. Not under construction	20
2015 2015	10	58962	Fair Wind Power Partners	IPP	Fair Wind Power	MD	59147	1	30.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	30
2015	10	59155	First Wind O&M, LLC	IPP	Oakfield Wind Project	ME	57002	1 LEPA1	148.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	148
2015 2015	10		Louisiana Energy & Power Authority MidAmerican Energy Co	Electric Utility	LEPA Unit No. 1 Adams Wind	LA IA	58478 59637	ADWF		Natural Gas Fired Combined Cycle Onshore Wind Turbine	NG WND	WT	(V) Under construction, more than 50 percent complete (P) Planned for installation, but regulatory approvals not initiated	64 153
2015	10		North Siler Farm, LLC	IPP	North Siler Farm	NC	59580	PV1		Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5
2015	10	13781	Northern States Power Co - Minnesota	Electric Utility	Border Winds Wind Farm	ND	59200	1	150.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	150
2015 2015	10	13781	Northern States Power Co - Minnesota Old Mill Solar	Electric Utility	Pleasant Valley Wind Farm	MN	59201 59374	1 OMSLR	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200 5
2015	10		Old Mill Solar Orbit Energy Charlotte	PP	Old Mill Solar Orbit Energy Charlotte	NC:	59374 58638	OMSLR 1	5.0	Solar Photovoltaic Other Waste Biomass	ORG	ST	(T) Regulatory approvals received. Not under construction (U) Under construction, less than or equal to 50 percent complete	5
2015	10	56545	Pattern Operators LP	IPP	Logans Gap Wind LLC	TX	59442	1		Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200
2015	10	59428	Sendero Wind Energy, LLC	IPP	Sendero Wind Energy	TX	59654	1		Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	78
2015 2015	10	58814	Sibley Wind Substation LLC	IPP IPP	Sibley Wind Thunder Spirit Wind, LLC	MN ND	58950 58965	SW-1 THNDR		Onshore Wind Turbine Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	19 150
2015	11	57369	Thunder Spirit Wind, LLC Apple, Inc	Commercial	Apple Data Center PV3	NC.	59474	DCPV3	17.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150
2015	11	58662	Blue Mountain Power Partners	IPP	Blue Mountain Wind Farm	UT	58764	BM1	80.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	80
2015	11	58508	Carolina Solar Energy II LLC	IPP	Green Farm	NC	59148	GREEN		Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5
2015 2015	11		Carolina Solar Energy II LLC City of Lowell - (MI)	IPP Electric Utility	Simons Farm Chatham	NC M	59149 58254	SIMON CT02R	5.0	Solar Photovoltaic Natural Gas Fired Combustion Turbine	SUN	GT	(T) Regulatory approvals received. Not under construction (U) Under construction, less than or equal to 50 percent complete	5
2015	11		EDF Renewable Services Inc	IPP	Roosevelt County	NM	58771	GEN1		Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	250
2015	11		Enel North America, Inc.	PP	Goodwell Wind Project LLC	OK	58998	GWWP		Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200
2015	11		First Wind O&M, LLC	IPP	South Plains Wind Phase I	TX	59384	1		Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200
2015 2015	11		Jericho Power LLC Kay Wind LLC	IPP IPP	Jericho Power Kay Wind, LLC	NH OK	59070 59460	WT 1 KNG1		Onshore Wind Turbine Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete (P) Planned for installation, but regulatory approvals not initiated	14 299
2015	11	58849	Mariah North West LLC	IPP	Mariah Renewable Energy Center Phase 1	TX	59005	MAR1	109.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	232
2015	11		Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN1		Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2015 2015	11		Oxbow Creek Energy LLC Oxbow Creek Energy LLC	IPP IPP	Oxbow Creek Oxbow Creek	PA DA	58714 58714	GEN2 GEN3		Other Natural Gas Other Natural Gas	NG NG	IC IC	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	4
2015	11	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	GEN4		Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2015	11	58653	Oxbow Creek Energy LLC	PP	Oxbow Creek	PA	58714	GEN5		Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2015 2015	11		SR Hazlehurst, LLC Tantgent Energy Solutions	IPP IPP	SR Hazlehurst DD Fayetteville Solar NC LLC	GA	59535 59117	HAZLE PV1		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	20 23
2015	11		Tradewind Energy, Inc.	IPP	Breckinridge Wind Project LLC	OK	58994	BWP		Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	98
2015	11		Waihonu South LLC	IPP	Honbushin Solar Blessings Park	н	58656	INV-1	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0
2015	11		Waihonu South LLC	IPP	Honbushin Solar Blessings Park	н	58656	INV-2		Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0
2015 2015	12	58703	Waihonu South LLC Apple One LLC	IPP IPP	Honbushin Solar Blessings Park Apple One	NC	58656 58828	INV-3 PV1		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	5
2015	12	59039	Arbuckle Mountain Wind Farm LLC	PP	Arbuckle Mountain Wind Farm LLC	OK	59234	GEN1	100.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	100
2015	12		Ayrshire Holdings, LLC	IPP	Ayrshire	NC	58792	PV1		Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	19
2015 2015	12		Bearford Solar II LLC Black Oak Wind, LLC	IPP IPP	Bearford Solar II Black Oak Wind Farm	NC MN	59488 58692	BEARF 1		Solar Photovoltaic Onshore Wind Turbine	SUN	PV WT	(P) Planned for installation, but regulatory approvals not initiated (U) Under construction, less than or equal to 50 percent complete	42
2015	12	58562	Blueberry One, LLC	IPP	Blueberry One	NC	58605	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5
2015	12	59315	Bradley Farm LLC	IPP	Bradley Farm	NC	59568	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5
2015	12		CSOLAR IV West LLC Calvoso Farm LLC	IPP IPP	Imperial Solar Energy Center West Calvoso Farm	CA NC	57491 59212	56819 PV1		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete (L) Regulatory approvals pending. Not under construction	148
2015	12	59006 58939		IPP	Callypso Farm Cameron Wind 1 LLC	TX	59212 59118	CAM1		Solar Photovoltaic Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction (P) Planned for installation, but regulatory approvals not initiated	164
2015	12	59427		IPP	Campbell County Wind Farm	SD	59655	CCWF1		Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	97
2015	12		Chilocco Wind Farm LLC	IPP IPP	Chilocco Wind Farm	OK	58406	1		Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	76
2015 2015	12		Chilocco Wind Farm LLC Clipperton Holdings LLC	IPP IPP	Chilocco Wind Farm Clipperton Holdings	OK NC	58406 59213	PV1		Onshore Wind Turbine Solar Photovoltaic	WND	PV	(U) Under construction, less than or equal to 50 percent complete (L) Regulatory approvals pending. Not under construction	76
2015	12	59261	Colonial Eagle Solar, LLC	IPP	Kelford	NC	59527	KELF1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20
2015	12	59261		IPP	Whitakers	NC	59526	WHIT1		Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	12
2015 2015	12	56523 58695	Colorado Highlands Wind LLC Coronal Development Services	IPP IPP	Colorado Highlands Wind Cornwall Solar Center, LLC	CO NC	57174 59663	CHW3 CSC1		Onshore Wind Turbine Solar Photovoltaic	WND	WT DV	(P) Planned for installation, but regulatory approvals not initiated (T) Regulatory approvals received. Not under construction	19
2015	12		Coronal Development Services Coronal Development Services	IPP	Elm City Solar Facility	NC NC	59164	NSC 1		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(1) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	40
2015	12	58695	Coronal Development Services	IPP	Harrell's Hill Solar Center LLC	NC	59337	HHS1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5
2015	12		Coronal Development Services	IPP	Highland Solar Center LLC	NC	59163	HSC 1		Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5
2015 2015	12		Coronal Development Services Coronal Development Services	IPP IPP	Lake Solar Center LLC Littlefield Solar Center LLC	NC NC	59161 58809	LSC 1 LSC1		Solar Photovoltaic Solar Photovoltaic	SUN	PV PV	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	5
2015	12	58695	Coronal Development Services Coronal Development Services	PP PP	Mariposa Solar Center LLC	NC	59162	MSC 1		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(1) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	5
2015	12	58695	Coronal Development Services	IPP	Mason Solar Center LLC	NC	59165	MSC 1	15.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	15
2015 2015	12		E ON Climate Renewables N America LLC	IPP IPP	Rose Rock Wind Farm LLC	OK	59065	WT1		Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	109
	12		Ecoplexus, Inc Ecoplexus, Inc	IPP IPP	American Legion PV 1 Grandy PV 1	NC NC	59516 59518	AMLEG GRAND		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated (P) Planned for installation, but regulatory approvals not initiated	20
	12	58970	Ecoplexus, Inc	IPP	Meadows PV 1	NC	59513	MEAD1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20
2015 2015		57414	Eli Lilly and Company	Industrial	Lilly Technical Center	IN	58043	5	1.0	All Other	PUR	ST	(OT) Other	1
2015 2015 2015	12		Enel North America, Inc.	IPP IPP	Little Elk Wind Project LLC Odell Wind Farm	OK MN	58999 58657	LEWP 1	74.0	Onshore Wind Turbine Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	74 200
2015 2015 2015 2015	12 12							- 1	200.0			***		
2015 2015 2015	12 12 12	49932	Enel North America, Inc. Faison Farm LLC	IPP	Faison Farm	NC	59208	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	
2015 2015 2015 2015 2015 2015 2015 2015	12 12 12 12 12	49932 59001 56625	Faison Farm LLC Flat Water Wind Farm LLC	IPP IPP	Faison Farm Pawnee Wind Farm LLC	NC NE	57283	WTG2	10.5	Onshore Wind Turbine	WND	PV WT	(L) Regulatory approvals pending. Not under construction (P) Planned for installation, but regulatory approvals not initiated	10
2015 2015 2015 2015 2015 2015 2015 2015	12 12 12 12 12 12	49932 59001 56625 59002	Faison Farm LLC Flat Water Wind Farm LLC Garland Farm LLC	IPP IPP	Faison Farm Pawnee Wind Farm LLC Garland Farm		57283 59209		10.5 5.0	Onshore Wind Turbine Solar Photovoltaic	WND	PV WT PV	(P) Planned for installation, but regulatory approvals not initiated (L) Regulatory approvals pending. Not under construction	10
2015 2015 2015 2015 2015 2015 2015 2015	12 12 12 12 12 12 12 12	49932 59001 56625 59002 7189	Faison Farm LLC Flat Water Wind Farm LLC	IPP IPP	Faison Farm Pawnee Wind Farm LLC		57283	WTG2	10.5 5.0 156.0	Onshore Wind Turbine	WND		(P) Planned for installation, but regulatory approvals not initiated	1

The content of the	Table 6.5. Pla	nned U.S	S. Electric Generating Unit Additions	ı										
100 100	Year Month	Entity ID	Entity Name	Plant Producer	Diant Name	Plant	Plant ID	Generator ID	Net Summer	Fachnology	Source	Prime Mover	Challe	Nameplate Capacity (MW
Mary	2015 12			Electric Utility		HI	58469	AP1	2.5	Other Waste Biomass		IC		2.5
Section Company Comp						Н	58469					IC		2.5
Column C						HI						IC		2.5
Description Company	2015 12	59009	Hereford Holdings LLC	IPP	Hereford Holdings	NC	59215	PV1	5.0 \$	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
10 10 10 10 10 10 10 10	2015 12					NC NC						PV		4.9
10 10 10 10 10 10 10 10	2015 12	58576	Holstein Holdings, LLC	PP		NC NC	58623					PV	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	20.0
March Marc	2015 12	15399	Iberdrola Renewables Inc		El Cabo Wind	NM	58098	1	298.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	298.0
Mary Section Proceedings Procedings Proceedings Proceedings Procedings				IPP								PV		3.6
March Marc				PP		NC HI		KS1-A	3.0 5	Solar Photovoltaic Solar Thermal with Energy Storage		CP		5.0
10 10 10 10 10 10 10 10	2015 12	56911	Kalaeloa Solar One LLC		Kalaeloa Solar One	н	57569		3.0 8	Solar Thermal with Energy Storage	SUN		(L) Regulatory approvals pending. Not under construction	3.0
100 A. Langelon (100 A. Langelon (100 P. A. Langelon (100 P. Langelon (100		58773	Kingfisher Wind LLC	IPP	Kingfisher Wind LLC	OK			300.0	Onshore Wind Turbine		WT	(P) Planned for installation, but regulatory approvals not initiated	300.0
An	2015 12					NC FI			5.0 5	Solar Photovoltaic Solar Photovoltaic		PV		5.0
100 100	2015 12	59245	Lanier Solar	IPP	Lanier Solar	NC	59486	LANIE	4.9 \$	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.9
100 100					Longhorn Holdings			PV1				PV	(L) Regulatory approvals pending. Not under construction	5.0
1. Column Colum								5				CT		118.9
Best	2015 12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	6	89.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	89.0
				Electric Utility		CA		7			NG	GT		89.0
Control Cont		58895	Marshall Wind Energy LLC	IPP	Marshall Wind Farm	KS					WND	WT	(U) Under construction, less than or equal to 50 percent complete	73.8
Col.		59027	Michelangelo Wind 4 LLC		Michelangelo Wind 4 LLC	IA							(U) Under construction, less than or equal to 50 percent complete	3.0
Column C	2015 12	12341	MidAmerican Energy Co			IA CA		HLWF	502.0	Onshore Wind Turbine		WT	(U) Under construction, less than or equal to 50 percent complete	502.0 20.0
10												WT	(L) Regulatory approvals pending. Not under construction	20.0
100 100	2015 12	57470	Noble Energy Systems, Inc.	IPP	Pea Patch Wind Farm	MD	58087		50.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	50.0
Column C								CATTO					(U) Under construction, less than or equal to 50 percent complete	21.0
1.00 100	2015 12			IPP		NC		GATES 1				PV	(T) Regulatory approvals received. Not under construction	20.0
1.50 1.50	2015 12	55931	Orion Energy Group LLC		Pilot Hill Wind Farm	IL	58898		175.0	Onshore Wind Turbine	WND		(T) Regulatory approvals received. Not under construction	175.0
				IPP									(V) Under construction, more than 50 percent complete	435.0
275 15 15 15 15 15 15 15	2015 12	56545	Pattern Operators LP	IPP	Fowler Ridge IV Wind Farm LLC	IN		u357	39.9 C	Onshore Wind Turbine			(I) Under construction, less than or equal to 50 percent complete	39.9 150.0
1982 1.0 100	2015 12	59188	Pleasant Hill Wind Energy LLC	IPP	Pleasant Hill Wind Energy Project		59417	WT1	20.0	Onshore Wind Turbine	WND		(V) Under construction, more than 50 percent complete	20.0
15 15 15 15 15 15 15 15	2015 12	15466	Public Service Co of Colorado					5	173.4	Natural Gas Fired Combined Cycle		CT		185.3
200 100								7						255.0
150 150	2015 12	58674	Sonne One, LLC	IPP	Sonne One	NC	58782		5.0 \$	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
200 10 600		58704	Sonne Two LLC			NC			5.0 \$	Solar Photovoltaic		PV	(L) Regulatory approvals pending. Not under construction	5.0
201 100 Design Printers		59318	Sov Solar LLC	industrial IPP								DV.		15.0
200 100 Seed Sendy Primers	2015 12	58658	Sunlight Partners		Andrew Solar	NC	59497	PV1	5.0 \$	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
201 600 Empire Person PP						NC						PV		5.0
201 10 1000 South Primers PP	2015 12					NC:	58733		2.0 5	Solar Photovoltaic Solar Photovoltaic		PV	(P) Planned for installation, but regulatory approvals not initiated (I) Regulatory approvals pending. Not under construction.	2.0
201 100 0.000	2015 12	58658	Sunlight Partners			NC	58735	PV1	4.0 \$	Solar Photovoltaic	SUN	PV		4.0
19 19 19 19 19 19 19 19	2015 12			IPP	Candace Solar	NC						PV		5.0
200 100						140						PV		4.0 5.0
19 1955 Surjey Persons 199 Mary State NC 1951 Pri 4 5 State Processing State NC 1951 Pri 4 5 State Processing State NC 1951 Pri 1951 State Processing Sta	2015 12			IPP		NC	58724	PV1	5.0 \$	Solar Photovoltaic		PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
201 10 5000 Souting Pertures PP New York 10 Souting Pertures PP Ne													(P) Planned for installation, but regulatory approvals not initiated	5.0
15 1586 Surfage Numbers			Sunlight Partners Sunlight Partners	PP		NC:						PV		4.0 5.0
10 5000 Senting Prevent PP	2015 12	58658	Sunlight Partners			NC	59510	PV1	5.0 \$	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
10 5800 Survigat Partners						NC						PV	(L) Regulatory approvals pending. Not under construction	5.0
19 5600 Entire Personant Persona						NC NC						PV	(E) Regulatory approvals pending. Not under construction (P) Planned for installation, but regulatory approvals not initiated	3.0
2006 2006			Sunlight Partners		Melinda Solar	NC	59502	PV1					(L) Regulatory approvals pending. Not under construction	5.0
2015 15 50566 Descript Personers PP						NC	59509					1 4	(L) Regulatory approvals pending. Not under construction	4.0
2015 12 50500 Sunlight Planters														5.0
2015 12 6850 Surffel Phrenes PP Ser Selar NC 56746 PP1 5.0 Selar Phenometer SUR PV (P) Planed or installation, but englatory approach periodics NC 5680 Surffel Phrenes PP Tay Selar NC 5772 Z 1,122 Vacious NC 1,12	2015 12	58658	Sunlight Partners	IPP	Quincy Solar	NC	59506	PV1	4.0 \$	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2015 12 6860 Surtigit Flammers PP 50 Code Source NC 5900 Surtigit Flammers PP 10 Source Sult N PV 1, Regulatory approach periodic Net under contractions 1												PV		3.0
2015 12 12 12 12 12 13 13 13						NC NC						PV PV		5.0
2016 12 1860 Tennesses Walley Authority	2015 12	58658	Sunlight Partners	IPP	Tracy Solar	NC	59498		10.0 \$	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2016 12 6500 Transvertice (Comp. No. PP December County Solar Project GA 6500 DPSP 300 Solar Proteochasie SUN PV P Parenet for installation, but regulatory agreements in criticated 2 2 2 2 2 2 2 2 2	2015 12					TN	7722	2				ST		1,269.9
2015 12 05000 Tricke Mercy LC	2015 12	54906	Tradewind Energy, Inc.		Decatur County Solar Project	GA	59449					PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2015 12 697/98 These Wind Colorados PP	2015 12	54906	Tradewind Energy, Inc.		Decatur Parkway Solar Project, LLC		59450	DPSP1	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2015 12 08603 Times Wined Memorates PP Times Wined Memorates MN 9776 10 Under construction, like them or equal to 50 percent complete Au 2016 12 08609 Times Wined China LLC PP Times Wined China LLC CH 95090 NNOPH 1500 Onshore Wine Turbrine WNO WT (T) Regulatory approach recording to 10 10 10 10 10 10 10 10	2015 12	59056	Tri Global Energy, LLC Triphe Wind Colorado	IPP	Fiber Winds Triche Wind Colorado	TX	59244	FIBE1				WT	(U) Under construction, less than or equal to 50 percent complete	80.0 30.0
2015 12	2015 12	56633	Trishe Wind Minnesota	IPP	Trishe Wind Minnesota		57255	1	40.0	Onshore Wind Turbine	WND		(U) Under construction, less than or equal to 50 percent complete	40.0
2016 12 08000 Lah Re-1 His Renomable Energy Past LC PP Ubb Centre Past 15 Ondoor Wind Tulning 15 Ondoor Win	2015 12	59098	Trishe Wind Ohio LLC		Trishe Wind Ohio LLC	ОН	59296	NWOH1	100.0	Onshore Wind Turbine	WND		(T) Regulatory approvals received. Not under construction	100.0
2015 12 0811 to WED Covering Fau. LLC								NWOH2						150.0
2015 12 9110 WED Coverny Fau, LLC		59116	WED Coventry Five, LLC			RI	59313				WND			1.5
2015 12 69117 MED Covering No. LLC	2015 12	59108	WED Coventry Four, LLC	IPP	WED Coventry 4	RI	59306	WEDC4	1.5	Onshore Wind Turbine	WND		(U) Under construction, less than or equal to 50 percent complete	1.5
2011 12 2011 12 2011 12 12				IPP IPP		RI						WT		1.5
2015 12 08117 WED Covering Yes LLC	2015 12	59117	WED Coventry Six, LLC	IPP	WED Coventry 6	RI				Onshore Wind Turbine		WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2015 12 5100 SED Covering Yea U.L.C. SPP WED Covering Y. 2 R1 59002 COV/2 1.5 Contrates Were Turbrise WHO WT (i) Under construction, less have or sequel to 50 persent complete 2015 72 5100 SED Covering Yea U.L.C. SPP WED Covering Y. 2 R1 59002 COV/2 1.5 Contrates Were Turbrise WHO WT (i) Under construction, less have or sequel to 50 persent complete 2015 72 SED Covering Yea U.L.C. SPP WED Covering Y. 2 R1 SED Covering Yea U.L.C. SED Covering Year U.L.C. SED Covering Yea U.L.C. SED Co	2015 12	59117	WED Coventry Six, LLC		WED Coventry 6	RI	59314	COV6B	1.5	Onshore Wind Turbine		WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2015 12 69106 WED Covering You, LLC		59107 59106	WED Coventry Two LLC			RI								1.5
2015 12 Strife (MED Coverny Two.LLC PP WED Coverny 2 R. Strife (MED Coverny Two.LLC PP Wahnow North Educ PP Wahnow North Edu	2015 12	59106	WED Coventry Two, LLC	IPP	WED Coventry 2	RI	59302	COV2A	1.5	Onshore Wind Turbine	WND		(U) Under construction, less than or equal to 50 percent complete	1.5
2015 12 05000 Walnows Noth LC	2015 12	59106	WED Coventry Two, LLC	IPP	WED Coventry 2	RI	59302	COV2B	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2015 12 08000 Vinhorus Noth LLC		58600 58600	wainonu North LLC Waihonu North LLC			HI						PV		0.6
2015 12 08000 Vilabrus Noth LC PP Vilabrus Noth Gray H 08000 New York State State Perfection Feb. 1.0 Regulatory approvile perfecting. Not under construction 1 1.0		58600	Waihonu North LLC	IPP		HI	58655	INV-3	0.5	Solar Photovoltaic	SUN	PV		0.5
2015 12 08000 Washers No. No.L.C. PP Washers No.M. C.C.	2015 12	58600	Waihonu North LLC		Waihonu North Solar	н	58655	INV-4	0.5	Solar Photovoltaic	SUN	1 4	(L) Regulatory approvals pending. Not under construction	0.6
2015 12	2015 12			IPP IPP		HI	58655 58655	INV-5			SUN			0.5
2015 12 08000 Windows Noth LLC PP Walnows Norm Graw Fl 080005 Ni-Ve 0.5 Solar Photocolise SUN PV 1.1 Regulatory approxise products, Not under construction 1.2	2015 12		Waihonu North LLC	PP		н	58655						(L) Regulatory approvals pending. Not under construction	0.5
2015 12 08000 Windows North LLC PP Windows North Glar H 080005 H 08000 Windows North LLC PP Windows North Glar H 080005 H 08000 Windows North LLC PP Windows North Glar H 080005 H 08000 Windows North Glar Nort						н			0.5	Solar Photovoltaic		PV	(L) Regulatory approvals pending. Not under construction	0.6
2015 12 65840 Nave-ly Word Fam LLC	2015 12					HI			0.5	Solar Photovoltaic Solar Photovoltaic		PV		0.6
2015 12 8578 White Camp State L.C. PP White Camp State TX 5888 WCAMP 10.0 Solar Protocoltais: SUN PV (1) Regulatory approvals received. Not under construction 10 2015 12 5888 Pv 10.0 1	2015 12	56948	Waverly Wind Farm LLC	IPP	Waverly Wind Farm LLC	KS	57614	GEN1	199.5	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	199.5
2016 1 59223	2015 12	58761	White Camp Solar LLC		White Camp Solar	TX	58888	WCAMP	100.0	Solar Photovoltaic	SUN		(T) Regulatory approvals received. Not under construction	100.0
2016 1 (5022)		58661 59229	sPower			P.L						PV	(L) Regulatory approvals pending. Not under construction	45.0
2016 1 59228 Bowerman Power LFG, LLC PP Bowerman Power LFG, LLC CA 59461 GEN03 3.4 Landfill Gas LFG IC (T) Regulatory approvals received. Not under construction	2016 1	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461					IC		3.4
2016 1 59228 Bowerman Power LFG, LLC IPP Bowerman Power LFG, LLC CA 59461 GEN04 3.4 (Landfill Gas LFG IC (T) Regulatory approvals received. Not under construction	2016 1	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN03	3.4 L	andfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	3.4
	2016 1	59228	Bowerman Power LFG, LLC	IPP	Bowerman Power LFG, LLC	CA	59461	GEN04	3.4 L	andhil Gas	LFG	IC	(1) Regulatory approvals received. Not under construction	1 3.4

The color of the	Table 6.5. Planned U.S. Electric Generating Unit Additions											
March Marc									Energy	Prime		
	Year Month Entity ID Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Source Code	Mover Code	Status	Nameplate Capacity (MW)
A		IPP								IC		3.4
Column C		IPP	Bowerman Power LFG, LLC Bowerman Power LFG, LLC			GEN06				IC	(1) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	3.4
100 Committed 100 Comm			Woodbridge Energy Center							CC	(U) Under construction, less than or equal to 50 percent complete	240.0
Company Comp							240.0	Natural Gas Fired Combined Cycle Natural Gas Fired Combined Cycle		CA		240.0 315.0
A State Control Cont	2016 1 58880 Gallegos Wind Farm LLC		Gallegos Wind Farm, Phase 1	NM	59047	GEN 1	180.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	180.0
Column	2016 1 4361 Ingredion Inc - Stockton								NG	GT DV	(P) Planned for installation, but regulatory approvals not initiated (I) Penulatory approvals pending. Not under construction.	7.2
A. C. A. C	2016 1 59322 Misenheimer Farm, LLC				59577	PV1	5.0	Solar Photovoltaic		PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
April Company Compan	2016 1 59334 Rutherford Farm, LLC	IPP	Rutherford Farm			PV1	61.0	Solar Photovoltaic		PV	(L) Regulatory approvals pending. Not under construction	61.0 108.0
Column C				C/A	59524					PV		20.0
Miles			Delilah Road Landfill	NJ						1.4	(T) Regulatory approvals received. Not under construction	9.0
10				IA.								3.0
1.00 1.00	2016 2 59026 Michelangelo Wind 1 LLC	IPP	Michelangelo Wind 1 LLC	IA	59231	WT1	3.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	3.0
April Apri	2016 2 58887 Michelangelo Wind 3 LLC		Michelangelo Wind 3 LLC	IA KS						WT		3.0 9.3
April Company Compan	2016 2 12524 Midwest Energy Inc	Electric Utility	Goodman Energy Center	KS	56497	11	9.2	Other Natural Gas	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.3
1	2016 2 12524 Midwest Energy Inc			KS						IC		9.3
March Marc	2016 2 59024 Optimum Wind 4 LLC			IA	59226	WT1				WT		3.0
200 200	2016 2 59017 Optimum Wind 5 LLC			IA	59223					WT		3.0
200 100				IA.	59224 59225	WT1				WT		3.0
20 20 20 20 20 20 20 20	2016 2 58417 Panda Liberty O&M LLC	IPP	Panda Liberty Generation Plant	PA	58420	GEN2	382.5	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	435.0
10	2016 2 59021 Venus Wind 3 LLC 2016 3 57277 Hidden Hills Solar LLC	IPP	Venus Wind 3 LLC Hidden Hills Solar Plant 1	IA CA	59230 57905	WT1	3.0 250.0	Onshore Wind Turbine Solar Thermal without Energy Storage		WT		3.0 250.0
200 1	2016 3 58684 Hop Bottom Energy LLC		Hop Bottom	PA	58800		4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
1985 1986	2016 3 58684 Hop Bottom Energy LLC	IPP IDD			58800	GEN2	4.2	Other Natural Gas		IC	(L) Regulatory approvals pending. Not under construction	4.4
200 Max Semi Design PT	2016 3 58684 Hop Bottom Energy LLC	IPP				GEN4				IC		4.4
200 100		IPP					4.2		NG	IC		4.4
March Marc	2016 3 58901 Hydro Green Energy 2016 3 58689 Milan Energy LLC	IPP IPP					5.3 4.2	Other Natural Gas		IC	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	5.3 4.4
200 Geo Bar Committée Proposition Committée Proposition Committée Committé	2016 3 58689 Milan Energy LLC	IPP	Milan	PA	58818	GEN2	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
3 Sept Max Computed For Sept Sep									140	IC IC		4.4
38.5 Peach Peach Model And College (1985) 98.5 Search of family Colleg	2016 3 58689 Milan Energy LLC	IPP	Milan	PA	58818	GEN5	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
200 100 Third College 100 Third Co										ST		15.0 435.0
1000 10000 10000 10000 10000 10000 10000 1										GT		42.3
201 20 20 20 20 20 20 20	2016 3 59056 Tri Global Energy, LLC									***	(L) Regulatory approvals pending. Not under construction	240.0
201. 4. 667 Sevent Me President President President 17. 602 561 5. 5. 5. 5. 5. 5. 5. 5		IPP								PV		20.0 14.0
201 4 2000 Mass Rout LC	2016 4 40577 American Mun Power-Ohio, Inc		Smithland Hydroelectric Plant	KY	57400		25.3	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	25.3
2016 2016			K Road Moapa Solar Mariah Renewable Energy Center Phase 2			MAR S				PV WT		250.0 200.0
2015 Month Description Process Commonstrate Process	2016 4 58489 OCI Solar Power	IPP	OCI Alamo 5 LLC	TX	59205	OCIA5	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
										PV		102.0
2016 1.70 1.00									BIT	ST	(T) Regulatory approvals received. Not under construction	3.5
2011 1. 17.00 South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17. South Trans Electric Cops, No. Security Part of the Power Part 17.	2016 4 17583 South Texas Electric Coop, Inc						18.3	Other Natural Gas		IC		18.7
201 1.100 South Team Elevant Coop, No. Elevant Using, Red Clase Power Part 17, 5000 ENGOS 11, Other National Case 10,	2016 4 17583 South Texas Electric Coop, Inc 2016 4 17583 South Texas Electric Coop, Inc						18.3	Other Natural Gas Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	18.7 18.7
Post 1985 South Prices Section Comp. to Excess (Mary Not Clear Power Priest 7.1 South Priest 7.1 S					59391	ENG04				IC	(L) Regulatory approvals pending. Not under construction	18.7 18.7
2016 1 1958 Control Total Exercis Coap, Inc. Section S										IC IC		18.7
2016 1, 1750 Such Private Electric Cops, be Electric Usibly Such Glass Private Florid TX 5000 Electric Usibly TX 5000 Electric Usi										IC		18.7
2016 4 1750 Such Private Electric Cop. bx Electric Utility Such Cop Private TX 5997 1902 11.0 12.0							18.3	Other Natural Gas		IC IC		18.7
2016 1, 1756 Doubt Trans Electric Coop, to: Electric Utility Red Glain Prever Plant TX 59071 PRO15 14.3 Other Mission Claim Feb. 14.5 Sale Productions: Feb. Feb. 14.5 Sale Productions: Feb. Feb. 14.5 Sale Productions: Feb.	2016 4 17583 South Texas Electric Coop, Inc	Electric Utility	Red Gate Power Plant	TX	59391	ENG10	18.3	Other Natural Gas		IC	(L) Regulatory approvals pending. Not under construction	18.7
2016 6 5000 Decision Principle February Feb									NG	IC	(L) Regulatory approvals pending. Not under construction	18.7 18.7
2016 6 1670 Place Teachers Chi Elevere Dalily Clerame Chi Elevere Dalily Clerame Chi Elevere Dalily Rectange Person Complete Chi Elevere Dalily Ele	2016 4 56709 Turning Point Solar LLC	IPP	Turning Point Solar			TPS52			SUN	PV		14.9
	2016 5 58603 Aloha Solar Energy Fund I LLC		Aloha Solar Energy Fund 1 PK1	HI						PV		5.0
						G15 GT-3				GT		75.0 100.0
	2016 5 55932 Georgia-Pacific Brewton LLC	Industrial	Georgia-Pacific Brewton Mill	AL	54789	4TG	62.0	Wood/Wood Waste Biomass	BLQ	ST	(U) Under construction, less than or equal to 50 percent complete	75.0
2016 6 58792 Mescallest Lord and Water Company		IPP		TX IL						WT		2.0 10.3
	2016 5 58783 Marseilles Land and Water Company		Marseilles Lock and Dam Hydro	IL	58903	UNIT2	10.3	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	10.3
2016 6 1977 Value Section Private Collection (1974 1974		IPP IDD		IL.						HY	(L) Regulatory approvals pending. Not under construction	10.3
	2016 5 58421 Panda Patriot O&M LLC		Panda Patriot Generation Plant		58426	GEN2	382.5	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	435.0
2016 6 1977. Uprile Electric & Power Co. Electric Libby Bunusek County Power Station VA 55000 CT01 277a Matural Gas Fried Combined Cycles NG CT 1. Regulatory approvals perioding. Natural County Power Station VA 55000 CT02 277a Matural Gas Fried Combined Cycles NG CT 1. Regulatory approvals perioding. Natural County Power Station VA 55000 CT02 277a Matural Gas Fried Combined Cycles NG CT 1. Regulatory approvals perioding. Natural County Power Station VA 55000 CT02 VA Station County Power Station VA 5500 CT02 VA Station County Power Station VA 5500 CT03 VA Station County Power Station VA VA VA VA VA VA VA V										CC	(T) Regulatory approvals received. Not under construction	500.0 48.0
2016 6 1970 Nigripal Reserve Cr. Silenter Uships Summerals Country Power Station VA 55000 CT02 277.0 Natural Case Freed Combined Cycle NO CT (1), Regulatory approvals perioring, Not under construction 2016 6 1970 Nigripal Reserve & Power Cr. Silenter Uships Summerals Country Power Station VA 55000 CT02 277.0 Natural Case Freed Combined Cycle NO CT (1), Regulatory approvals perioring, Not under construction 2016 6 1970 Nigripal Reserve & Power Cr. Silenter Uships Summerals Character VAT VAT VAT CASE VAT CASE VAT CASE VAT CASE VAT CASE VAT VA	2016 5 59109 SUNE BEACON SITE 2, LLC 2016 5 19876 Virginia Electric & Power Co									CT		48.0 297.5
2016 6 1979 Springs Electric & Power Co.	2016 5 19876 Virginia Electric & Power Co	Electric Utility	Brunswick County Power Station		58260	CT02	270.8	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	297.5
2016 6 40777 American Number Power Chap Electric Ulity Commercial Performance No. 57902 502 23.3 Conventional Performance No. 77 17 V. (1) Under construction No. 57902 502 23.3 Conventional Performance No. 77 17 V. (1) Under construction No. 57902 502 23.3 Conventional Performance No. 77 V. (1) Under construction No. 57902 5									NG NG	CT	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	297.5 579.7
2016 6 1007 Blance Electric Power Coop Electric Usiley Commonword Technology Commonword	2016 6 40577 American Mun Power-Ohio, Inc		Smithland Hydroelectric Plant	KY	57400		25.3	Conventional Hydroelectric		HY	(V) Under construction, more than 50 percent complete	25.3
2016 6 1307 Bass Electric Power Coop			Lonesome Creek Station				40.0	Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine		GT		60.5
2016 6 59783 Basswood Energy, LLC	2016 6 1307 Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	04	56.0	Other Natural Gas	NG	IC.	(L) Regulatory approvals pending. Not under construction	56.0
2016 6 59110 Basseood Energy, LLC PP Basseood Energy, LLC PA 59000 GEN2 4.2 Other Natural Gas NG C L. Regulatory approvals periodic plant under construction			Pioneer Generating Station							IC		56.0
2016 6 59190 Basewood Energy, LLC PP Basewood Energy, LLC PA 59000 GEN1 4.2 Other Natural Gas NO C L. Regulatory approvals perefully. Bit Lunder construction	2016 6 59193 Basswood Energy, LLC		Basswood Energy, LLC	PA	59420	GEN2	4.2	Other Natural Gas		IC	(L) Regulatory approvals pending. Not under construction	4.4
2016 4	2016 6 59193 Basswood Energy, LLC	IPP	Basswood Energy, LLC	PA	59420	GEN3	4.2	Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4.4
2016 6 58742 Baywis a Wird LLC	2016 6 59193 Basswood Energy, LLC		Basswood Energy, LLC Basswood Energy, LLC							IC IC		4.4
2016 6 58685 Beaver Dam Ferrey LLC PP Beaver Dam PA 58811 GRN2 4.2 Other Natural Gas NO C L) Regulatory approvals perioding. Nat funder construction 2016 6 58685 Beaver Dam Ferrey LLC PP Beaver Dam PA 58811 GRN2 4.2 Other Natural Gas NO C L) Regulatory approvals perioding. Nat funder construction 2016 6 58685 Beaver Dam Ferrey LLC PP Beaver Dam PA 58811 GRN2 4.2 Other Natural Gas NO C L) Regulatory approvals perioding. Natural Construction 2016 6 58695 Beaver Dam Ferrey LLC PP Beaver Dam PA 58811 GRN2 4.2 Other Natural Gas NO C L) Regulatory approvals perioding. Natural Construction 2016 6 58695 Beaver Dam Ferrey LLC PP CPV Visco Station LLC CA 58699 CTG1 1880 Natural Gas Fired Contributed Cycle NO CT L) Regulatory approvals perioding. Natural Construction 2016 6 58695 CPV Visco Station LLC PP CPV Visco Station LLC CA 58699 CTG2 1880 Natural Gas Fired Contributed Cycle NO CT L) Regulatory approvals perioding. Natural Construction 2016 6 58695 CTG2 CTG	2016 6 57421 BayWa r.e Wind LLC	IPP	Chopin Wind LLC	OR	59076	WT1	10.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	10.0
2016 6 58685 Beaver Dam Ferrey LLC PP Basere Dam PA 58811 GEN3 4.2 Other Natural Gas NG C L. Regulatory approvals pending. Natural construction									140	IC IC		4.4
2016 6 58860 Beaver Dam Ferrery LLC PP Beaver Dam PA 58811 GEN4 4.2 Other Neutral Gas NO C () Regulatory approvals periodic, bits under construction PA 58811 GEN4 4.2 Other Neutral Gas NO C () Regulatory approvals periodic, bits under construction PA 58811 GEN4 4.2 Other Neutral Gas NO C C. Regulatory approvals periodic, bits under construction PA 58811 GEN4 4.2 Other Neutral Gas First Committeed Cycle NO C L. Regulatory approvals periodic, bits under construction PA 58811 GEN4 C. C. C. C. C. C. C. C	2016 6 58685 Beaver Dam Energy LLC				58811	GEN3				IC		4.4
2016 6 56000 [PV Visao Staten LLC PP OPV Visao Staten LLC CA 560000 CT 1810 Natural Case Freet Combined Cycle NO CT (1) Regulatory approvals pending). But under construction PP OPV Visao Staten LLC CA 560000 CT 12.0 Natural Case Freet Combined Cycle NO CT (1) Regulatory approvals pending). But under construction 2016 6 56000 [PV Visao Staten LLC PP OPV Visao Staten LLC CA 560000 CT 12.0 Natural Case Freet Combined Cycle NO CA (1) Regulatory approvals pending. But under construction Visao Staten LLC CA 560000 CT CA 5600000 CT CA 560000 CT 5600000 CT 5600000 CT 56000000 CT 5600000000 CT 5600000000000000000000000000000000000	2016 6 58685 Beaver Dam Energy LLC		Beaver Dam			GEN4	4.2	Other Natural Gas		IC	(L) Regulatory approvals pending. Not under construction	4.4
2016 6 55000 CPV Visa Station LLC					58811 56999	GEN5 CTG1	189.0	Natural Gas Fired Combined Cycle		CT	(L) Regulatory approvals pending. Not under construction	4.4 225.0
2016 6 918 Diry Alpen-CO Electric Utility Custer Creek Hydroglant CO 55056 1 1.2 Conventional Hydrodectic WAT HY (1.) Regulatory approvals pending. Not under construction 2016 6 50500 Debtins Milk Flam PP Debtins Milk Flam NC 5010 1 6 Solar Photochistic SUN V (1) Regulatory approvals pending. Not under construction 2016 6 58800 Deminion Cove Prior UNI, IP Commercial Cove Prior UNI of Terminal MD 59070 550 1.0 Pendunulus public Size Flam Construction Flam Cover	2016 6 56290 CPV Vaca Station LLC	IPP	CPV Vaca Station LLC	CA	56999	CTG2	189.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	225.0
2016 6 58600 Thobbits Mill Farm IPP Dobbets Mill Farm N.C 59101 1 5.0 Slader Photocolistic SUN PV (1) Regulatory approvals precisioned. Net under construction 2016 6 588800 Eminion Coop Point LMG, LP Commercial Commercial No 59070 5EG 1.0 Petroleum Liquidors DFO C (L) Regulatory approvals practice, Nat under construction 2016 6 58800 Emigrae Enterior Exercis Co Electric Utility Riversion KS 1239 1422 1380 Natural Gas Friend Combined Cycle NG CT (U) Under construction, less than or equal to 50 percent complete		Electric I Itilia			56999 56999	STG 4	198.0	Natural Gas Fired Combined Cycle Conventional Hydroelectric	WAT	CA HY		220.0 1.2
2016 6 58880 [Deminion Cove Prior LNA; I.P. Commercial Cove Prior LNG Terminal M.D. 59072 EEG 1.0 [Perdistrum Liquids 1.0 FO C (1.) Regulatory approvals practing, Natural construction 2016 6.1 (2006) 1.0 (2006) 1.0 (2006) 1.0 (2006) 1.0 (2006) N.D. CT (1.) Under construction, less than on evegal to 50 (percent compete 2016 1.0 (2006) 1.0 (2006) 1.0 (2006) 1.0 (2006) N.D. CT (1.) (1.0 (2006) N.D. CT (1.) (1.0 (2006) N.D.	2016 6 58907 Dobbins Mill Farm	IPP	Dobbins Mill Farm	NC	59101	1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
12/2 136.U No. O O O O O O O O O	2016 6 58889 Dominion Cove Point LNG, LP 2016 6 5880 Empire District Electric Co				59073	5EG				CT	(L) Regulatory approvals pending. Not under construction	1.0 250.0
2016 6 58765 FGE Texas I LLC IPP FGE Texas I TX 58931 CA1 388.9 Natural Gas Fired Combined Cycle NG CA (L) Regulatory approvals pending. Not under construction	2016 6 58765 FGE Texas I LLC	IPP		TX						CA		382.5

			Electric Generating Unit Additions							Energy	Prime		
Year M	lonth I		Intity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW) Technology	Source Code	Mover Code	Status	Nameplar Capacity (MV
2016	6		GE Texas I LLC	IPP	FGE Texas I	TX	58931	GT1	219.7 Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208
2016 2016	6		GE Texas I LLC GE Texas II LLC	IPP IPP	FGE Texas I	TX	58931 58930	GT2 CA1	219.7 Natural Gas Fired Combined Cycle 388.9 Natural Gas Fired Combined Cycle	NG NG	CA	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	208
2016	6		GE Texas II LLC	IPP	FGE Texas II	TX	58930	GT1	219.7 Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	208
2016 2016	6		GE Texas II LLC irst Wind O&M, LLC	IPP IPP	FGE Texas II Hancock Wind Plant	TX ME	58930 58686	GT2 HANC1	219.7 Natural Gas Fired Combined Cycle 51.0 Onshore Wind Turbine	NG WND	CT	(L) Regulatory approvals pending. Not under construction (P) Planned for installation, but regulatory approvals not initiated	208
2016	6	58692 F	Torey Knob LLC	IPP	Florey Knobb	PA	58821	GEN1	4.2 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2016 2016	6	58692 F	Torey Knob LLC Torey Knob LLC	IPP IPP	Florey Knobb	PA PA	58821 58821	GEN2 GEN3	4.2 Other Natural Gas 4.2 Other Natural Gas	NG NG	IC	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	4
2016	6			IPP	Florey Knobb	PA	58821	GEN4	4.2 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2016	6			IPP	Florey Knobb	PA	58821	GEN5	4.2 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2016 2016	6	6452 F	Torida Power & Light Co Torida Power & Light Co	Electric Utility Electric Utility	Port Everglades Port Everglades	FL	617 617	5A 5B	1,260.0 Natural Gas Fired Combined Cycle Natural Gas Fired Combined Cycle	NG NG	CT	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	296 296
2016	6	6452 F	Torida Power & Light Co	Electric Utility	Port Everglades	FL	617	5C	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	296
2016 2016	6	6452 F	Torida Power & Light Co remont Farm LLC	Electric Utility	Port Everglades Fremont Farm	FL NC	617 59103	5ST	Natural Gas Fired Combined Cycle 5.0 Solar Photovoltaic	NG SUN	CA	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	464
2016	6	25438 F	riant Power Authority	IPP	Friant Hydro Facility	CA	50393	RO2	9.0 Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	6
2016 2016	6	58409 F	uture Power PA Sulf Power Co	IPP Electric Utility	Good Spring NGCC Perdido	PA	58409 57502	HRSG1	108.0 Natural Gas Fired Combined Cycle 1.5 Landfill Gas	NG LFG	CC	(P) Planned for installation, but regulatory approvals not initiated (P) Planned for installation, but regulatory approvals not initiated	108
2016	6			IPP	Innovative Solar 23	NC	59670	IS023	1.9 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.
2016	6	59442 It	nnovative Solar 33, LLC	IPP IPP	Innovative Solar 33	NC NC	59672 59673	IS033	30.5 Solar Photovoltaic 47.7 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	30 47
2016 2016	6			IPP	Innovative Solar 34 Innovative Solar 37	NC	59665	IS034	78.7 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	78
2016	6	59444 In	nnovative Solar 38, LLC	IPP	Innovative Solar 38	NC	59674	IS038	34.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	34
2016 2016	6			IPP IPP	Innovative Solar 44 Innovative Solar 46	NC NC	59675 59671	IS044 IS046	4.9 Solar Photovoltaic 78.5 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	78
2016	6	59436 la	nnovative Solar 47, LLC	IPP	Innovative Solar 47	NC	59666	IS047	33.8 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1
2016	6	59437 lt	nnovative Solar 48, LLC	IPP	Innovative Solar 48	NC NC	59667	IS048	4.9 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40
2016 2016	6		nnovative Solar 53, LLC nnovative Solar 54, LLC	IPP IPP	Innovative Solar 53 Innovative Solar 54	NC NC	59668 59669	IS053	40.0 Solar Photovoltaic 50.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	40 50
2016	6	59446 lt	nnovative Solar 55, LLC	IPP	Innovative Solar 55	NC	59676	IS044	5.0 Solar Photovoltaic	SUN	PV	 (T) Regulatory approvals received. Not under construction 	5
2016 2016	6		nnovative Solar 64, LLC nnovative Solar 67, LLC	IPP IPP	Innovative Solar 64 Innovative Solar 67	NC NC	59677 59678	IS064 IS067	4.9 Solar Photovoltaic 33.3 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (T) Regulatory approvals received. Not under construction	13
2016	6	59449 lt	nnovative Solar 68, LLC	IPP	Innovative Solar 68	NC	59679	IS068	48.3 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	48
2016 2016	6	59450 li		IPP	Innovative Solar 71	NC NC	59680 59681	IS071 IS072	5.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5
2016	6	10171 H	nnovative Solar 72, LLC Centucky Utilities Co	Electric Utility	Innovative Solar 72 E W Brown	KY	1355	SOLAR	33.5 Solar Photovoltaic 10.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (P) Planned for installation, but regulatory approvals not initiated	10
2016	6			IPP	P H Robinson	TX	3466	PHR6	60.0 Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	71
2016 2016	6	58588 N	Autional Solar Power Partners LLC PUD No 2 of Grant County	IPP Electric Utility	Hardee County Solar Farms 1 LLC Wanapum	FL WA	58637 3888	HCSF1	20.0 Solar Photovoltaic 122.0 Conventional Hydroelectric	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated (P) Planned for installation, but regulatory approvals not initiated	20 122
2016 2016	6	59194 F	urdys Run Energy, LLC	IPP	Purdys Run Energy, LLC	WV	59419	GEN1	4.2 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2016 2016	6	59194 F	urdys Run Energy, LLC	IPP IPP	Purdys Run Energy, LLC Purdys Run Energy, LLC	wv	59419 59419	GEN2 GEN3	4.2 Other Natural Gas 4.2 Other Natural Gas	NG NG	IC	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	4
2016	6	59194 F	Purdys Run Energy, LLC	IPP	Purdys Run Energy, LLC	WV	59419	GEN4	4.2 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2016 2016	6	59194 F	rurdys Run Energy, LLC lice Solar Energy LLC	IPP Commercial	Purdys Run Energy, LLC Rice Solar Energy	WV CA	59419 57276	GEN5 RSE1	4.2 Other Natural Gas 150.0 Solar Thermal with Energy Storage	NG SUN	IC CP	(L) Regulatory approvals pending. Not under construction	170
2016	6	58914 F	toady Lane Farm LLC	IPP	Roady Lane Farm LLC	NC NC	59108	1	74.8 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (T) Regulatory approvals received. Not under construction	74
2016	6	58691 S	hippenville Energy LLC	IPP	Shippenville	PA	58820	GEN1	4.2 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2016 2016	6	58691 S		IPP IPP	Shippenville Shippenville	PA PA	58820 58820	GEN2 GEN3	4.2 Other Natural Gas 4.2 Other Natural Gas	NG NG	IC.	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	4
2016	6	58691 5	Shippenville Energy LLC	IPP	Shippenville	PA	58820	GEN4	4.4 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2016 2016	6		Shippenville Energy LLC St Joseph Energy Center LLC	IPP IPP	Shippenville St Joseph Energy Center	PA	58820 57794	GEN5	4.2 Other Natural Gas 642.0 Natural Gas Fired Combined Cycle	NG NG	CC	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	670
2016	6	18125 5	Stillwater Utilities Authority	IPP	Stillwater Energy Center	OK	59647	1	18.3 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	18
2016 2016	6			IPP IPP	Stillwater Energy Center	OK	59647 59647	2	18.3 Other Natural Gas 18.3 Other Natural Gas	NG NG	IC	(L) Regulatory approvals pending. Not under construction	18
2016	6	58723 V	Varsaw Farm LLC	IPP	Stillwater Energy Center Warsaw Farm	NC NC	58848	1	80.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (P) Planned for installation, but regulatory approvals not initiated	80
2016	6			IPP	West Salisbury Farm LLC	NC	59111	1	5.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5
2016 2016	7			Electric Utility	Smithland Hydroelectric Plant Amity Energy LLC	KY PA	57400 59418	SG3 GEN1	25.3 Conventional Hydroelectric 4.2 Other Natural Gas	WAT	HY	(V) Under construction, more than 50 percent complete (L) Regulatory approvals pending. Not under construction	25 4
2016	7	59192 A	mity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN2	4.2 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2016 2016	7	59192 A		IPP IPP	Amity Energy LLC Amity Energy LLC	PA PA	59418 59418	GEN3 GEN4	4.2 Other Natural Gas 4.2 Other Natural Gas	NG NG	IC	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	4
2016	7		mity Energy, LLC	IPP	Amity Energy LLC	PA	59418	GEN5	4.2 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2016	7	56615 F	irst Solar Energy LLC	IPP	Silver State Solar Power South	NV	58644	SSS	286.8 Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	286
2016 2016	7		First Solar Energy LLC Recate Energy Beacon Solar 1, LLC	IPP	Stateline Solar Hecate Energy Beacon Solar 1	CA	58646 59315	BEAC1	299.5 Solar Photovoltaic 56.0 Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated (T) Regulatory approvals received. Not under construction	299 56
2016	7	59113 F	lecate Energy Beacon Solar 3, LLC	IPP	Hecate Energy Beacon Solar 3	CA	59316	BEAC3	56.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	56
2016 2016	7		lecate Energy Beacon Solar 4, LLC inperial Valley Solar, LLC	IPP	Hecate Energy Beacon Solar 4 Imperial Valley Solar, LLC	CA	59317 56917	BEAC4	50.0 Solar Photovoltaic 400.0 Solar Photovoltaic	SUN	PV Pv/	(T) Regulatory approvals received. Not under construction (L) Regulatory approvals pending. Not under construction	50 400
2016	7	59342 N	faricopa West Solar PV 2, LLC	IPP	Maricopa West Solar 2	CA	59608	MWS2	20.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20
2016 2016	7		OCI Solar Power SUNE BEACON SITE 5, LLC	IPP IPP	OCI Alamo 6 LLC Beacon Solar Plant Site 5	CA	59206 59308	OCIA6 BEAC5	110.0 Solar Photovoltaic 40.0 Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated (T) Regulatory approvals received. Not under construction	110
2016	7	2518 L	J S Bureau of Reclamation	Electric Utility	Black Canyon	ID	6396	3	12.5 Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	12
2016	7	19876 \	firginia Electric & Power Co	IPP	Remington Solar Facility	VA	59685	01	20.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20
2016 2016	8	56814 E	2SK 8me, LLC Nack Creek Renewable Energy LLC	IPP IPP	Springbok Solar Farm 1 Sampson County Landfill	CA NC	59532 57492	SB1 GEN8	100.0 Solar Photovoltaic 1.6 Landfill Gas	SUN	IC IC	(T) Regulatory approvals received. Not under construction (V) Under construction, more than 50 percent complete	100
2016	8	4329	Copper Valley Elec Assn, Inc	Electric Utility	Allison Creek Hydro	AK	58982	GEN1	6.5 Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	6
2016 2016	8		OCI Solar Power Dregon Windfarms, LLC	IPP IPP	OCI Alamo 7 LLC Benson Creek Windfarm	TX OR	59207 59491	OCIA7 BCW	10.0 Solar Photovoltaic 10.0 Onshore Wind Turbine	SUN	PV WT	(P) Planned for installation, but regulatory approvals not initiated (U) Under construction, less than or equal to 50 percent complete.	100
2016	8	59253	Oregon Windfarms, LLC	IPP	Durbin Creek Windfarm	OR	59492	DCW	10.0 Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10
2016 2016	8	59253	Oregon Windfarms, LLC Oregon Windfarms, LLC	IPP IPP	Jett Creek Windfarm Prospector Windfarm	OR OR	59490 59493	JCW PW	10.0 Onshore Wind Turbine 10.0 Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	10
2016	8	59253	Oregon Windfarms, LLC	IPP	Prospector Windfarm Willow Spring Windfarm	OR	59494	WSW	10.0 Onshore Wind Turbine 10.0 Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	10
2016	9	58686 A	Ipaca Energy LLC	IPP IPP	Alpaca	PA DA	58813 58813	GEN1	4.2 Other Natural Gas 4.2 Other Natural Gas	NG NG	IC	(L) Regulatory approvals pending. Not under construction	4
2016	9			IPP	Alpaca Alpaca	PA	58813 58813	GEN2 GEN3	4.2 Other Natural Gas 4.2 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	4
2016	9	58686 A	Ipaca Energy LLC	IPP	Alpaca	PA	58813	GEN4	4.2 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2016 2016	9	58686 A		IPP IPP	Alpaca Bayles	PA PA	58813 58816	GEN5 GEN1	4.2 Other Natural Gas 4.2 Other Natural Gas	NG NG	IC IC	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	4
2016	9	58687 E	layles Energy LLC	IPP	Bayles	PA	58816	GEN2	4.2 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction	4
2016 2016	9	58687 E	layles Energy LLC	IPP IPP	Bayles Bayles	PA	58816 58816	GEN3 GEN4	4.2 Other Natural Gas 4.2 Other Natural Gas	NG NG	IC	(L) Regulatory approvals pending. Not under construction	4
2016	9	58687 E	layles Energy LLC	IPP	Bayles	PA PA	58816	GEN5	4.2 Other Natural Gas	NG	IC	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	4
2016	9	58642 E	ast Kapolei Solar LLC	IPP	EKS Solar Farm	н	58705	PV1	5.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5
2016 2016	9			IPP IPP	Great Bay Wind Energy Center Palmer Renewable Energy	MD MA	59385 59336	GEN1 PRE	150.0 Onshore Wind Turbine 42.0 Wood/Wood Waste Biomass	WND	WT ST	(L) Regulatory approvals pending. Not under construction (T) Regulatory approvals received. Not under construction	150
2016	9	56895 F	No Pico Energy Center LLC	IPP	Pio Pico Energy Center	CA	57555	CTG1	101.0 Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	100
2016	9	56895 F		IPP IPP	Pio Pico Energy Center	CA	57555 57665	CTG2 CTG3	101.0 Natural Gas Fired Combustion Turbine	NG NG	GT	(T) Regulatory approvals received. Not under construction	100
2016 2016	9	58968 F		IPP	Pio Pico Energy Center RE Mustang LLC	CA	57555 59150	PV1	101.0 Natural Gas Fired Combustion Turbine 100.0 Solar Photovoltaic	NG SUN	GT PV	(T) Regulatory approvals received. Not under construction (P) Planned for installation, but regulatory approvals not initiated	100
2016	9	58836 5	Sunwind Energy Solutions, LLLP	IPP	Sunwind Doyle Wind	KS	58976	SNWND	200.0 Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200
2016 2016	10	57369 A		Industrial Industrial	Apple Campus 2 Fuel Cell Apple Campus 2 PV	CA	59557 59473	AC2FC AC2PV	4.0 Other Waste Biomass 14.4 Solar Photovoltaic	OBG	FC	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	4
	70			IPP Industrial	Apple Campus 2 PV Spinning Spur Wind III	TX	58775	GEN1	161.0 Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	161
2016	10		coplexus, Inc				59153	WAT1	20.0 Solar Photovoltaic			(L) Regulatory approvals pending. Not under construction	20

2016 2016 2016 2016 2016 2016 2016 2016		59155	Entity Name First Wind O&M, LLC	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Canacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate
2016 2016 2016 2016 2016 2016 2016 2016	10 10		First Wind O&M LLC											Capacity (MW)
2016 2016 2016 2016 2016 2016 2016 2016	10			IPP	Enterprise Solar, LLC	UT	59386	ENTS1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016 2016 2016 2016 2016 2016 2016			First Wind O&M, LLC First Wind O&M, LLC	IPP IPP	Escalante Solar I, LLC Escalante Solar II, LLC	UT.	59387 59388	ESCS1 ESCS2		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	80.0 80.0
2016 2016 2016 2016	10		First Wind O&M, LLC	IPP	Escalante Solar III, LLC	UT	59389	ESCS3		Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2016 2016 2016	10	59258	Five Points Solar Park, LLC	IPP IPP	Five Points Solar Park	CA	59523	FRFSP	60.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	60.0
2016 2016	10		Giffen Solar Park, LLC Mariah North West LLC	IPP IPP	Giffen Solar Park Mariah Renewable Energy Center Phase 3	TX	59522 59006	FRGSP		Solar Photovoltaic Onshore Wind Turbine	SUN	PV WT	(T) Regulatory approvals received. Not under construction (P) Planned for installation, but regulatory approvals not initiated	20.0
	10	56987	RRE Austin Solar LLC	IPP	Pflugerville Solar Farm	TX	57659	PSF	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
	10	58381	Troutdale Energy Center LLC	IPP IPP	Troutdale Energy Center	OR	58396 59299	PLGEN RED1		Natural Gas Fired Combined Cycle Landfill Gas	NG LFG	CC	(P) Planned for installation, but regulatory approvals not initiated	652.0
2016 2016	10		WM Renewable Energy LLC WM Renewable Energy LLC	IPP IPP	Waste Mangement Redwood LFGTE Waste Mangement Redwood LFGTE	CA	59299 59299	RED1		Landfill Gas Landfill Gas	LFG	IC.	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	2.0
2016	10	57028	West Butte Wind Power LLC	IPP	West Butte Wind Power Project	OR	57704	WB-1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2016 2016	10		Wright Solar Park, LLC sPower	IPP IPP	Wright Solar Park Con Dios Solar 11	CA	59525 59264	FRWSP CON11		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction (U) Under construction, less than or equal to 50 percent complete	200.0
2016	10		sPower	IPP	Con Dios Solar 3	CA	59263	COND3		Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2016 2016	11	58574	Canton Mountain Wind LLC	IPP	Canton Mountain Wind	ME	58620	1	22.8	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	22.8 53.1
2016 2016	11		City of Holland City of Holland	Electric Utility Electric Utility	Holland Energy Park Holland Energy Park	M	59093 59093	10		Natural Gas Fired Combined Cycle Natural Gas Fired Combined Cycle	NG NG	CT	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	53.1 53.1
2016	11	8723	City of Holland	Electric Utility	Holland Energy Park	M	59093	12	40.9	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	43.2
2016	11	57341	Foster Wheeler Twin Cities	Electric CHP	Univ Minnesota CHP Plant	MN	59197 58462	CTG-1		Natural Gas Fired Combustion Turbine	NG SUN	GT	(L) Regulatory approvals pending. Not under construction	21.0
2016 2016	12		McCoy Solar, LLC 41MB 8me, LLC	IPP IPP	McCoy Solar Energy Project Borden Solar Farm	CA	58462 59531	BRDN		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete (T) Regulatory approvals received. Not under construction	250.0 50.0
2016	12	58794	American Wind Energy Management Corp.	IPP	Sangamon Wind One LLC	IL	58925	SAN1	35.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	35.0
2016	12		American Wind Energy Management Corp.	IPP	Sangamon Wind Two LLC	IL	58926	SAN2	50.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2016 2016	12	57003	American Wind Energy Management Corp. Arlington Valley Solar Energy LLC	IPP IPP	Sugar Creek Wind One LLC Arlington Valley Solar Energy I	AZ	58924 57679	SUG1 AVSE1	175.0	Onshore Wind Turbine Solar Photovoltaic	WND	WT	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	175.0 127.0
2016	12	58998	Chapman Ranch Wind LLC	IPP	Chapman Ranch Wind I	TX	59193	CHA1	350.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	350.0
2016 2016	12	58792 58792	ClearVista Energy LLC	IPP IPP	ClearVista Solar and Wind Farm ClearVista Solar and Wind Farm	CA	58922 58922	CVPV	5.0	Solar Photovoltaic Onshore Wind Turbine	SUN	PV WT	(L) Regulatory approvals pending. Not under construction	5.0 19.5
2016	12		ClearVista Energy LLC Copenhagen Wind Farm, LLC	IPP	ClearVista Solar and Wind Farm Copenhagen Wind Farm	CA NY	589Z2 58979	CPHGN	19.5 79.9	Onshore Wind Turbine Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	19.5 79.9
2016	12	58695	Coronal Development Services	IPP	Fusion Solar Center LLC	CT	58876	PV	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2016 2016	12	58695 58695	Coronal Development Services	IPP IPP	Gulf Coast Solar Center I	FL	59689 59690	GCSC1 GCSC2		Solar Photovoltaic	SUN	PV PV	(L) Regulatory approvals pending. Not under construction	30.0
2016	12	58695 58695		IPP IPP	Gulf Coast Solar Center II Gulf Coast Solar Center III	FL	59691	GCSC2 GCSC3		Solar Photovoltaic Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	
2016	12	59319	Cotton Solar, LLC	IPP	Cotton Solar	SC	59572	PV1	16.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0 16.0
2016	12	57406	Deepwater Wind Block Island LLC	IPP Communical	Block Island Wind Farm	RI	58035	BIWF	29.3	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	30.0
2016 2016	12		Dominion Cove Point LNG, LP Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal Cove Point LNG Terminal	MD MD	59073 59073	5STA 5STB		All Other All Other	WH	CA	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	65.0 65.0
2016	12	56215	E ON Climate Renewables N America LLC	IPP	Grandview Wind Farm II LLC	TX	59068	GVII	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2016 2016	12		E ON Climate Renewables N America LLC	IPP	Grandview Wind Farm III LLC	TX	59067	GVIII		Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	188.0
2016	12	56215	E ON Climate Renewables N America LLC E ON Climate Renewables N America LLC	IPP	Magic Valley Wind Farm II Stella Wind Farm	TX	59066 59063	WT1		Onshore Wind Turbine Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	230.0
2016	12	56215	E ON Climate Renewables N America LLC	IPP	Stella Wind Farm II	TX	59064	WT1	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2016	12	56215	E ON Climate Renewables N America LLC	IPP IPP	Twin Forks Wind Farm LLC	IL OK	59061	WT1	351.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	351.0
2016 2016	12		E ON Climate Renewables N America LLC Enel Green Power NA, Inc.		Vici Wind Farm Lindahl Wind Project, LLC	ND	59062 59684	LWP01		Onshore Wind Turbine Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	104.4 150.0
2016	12	49932	Enel North America, Inc.	IPP	Apple Blossom Wind Farm	MI	58690	APLB1	100.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	100.0
2016	12	49932	Enel North America, Inc.	IPP	Courtenay Wind Farm	ND	58658	1	200.0		WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2016 2016	12		Enel North America, Inc. Enel North America, Inc.	IPP IPP	Mustang Run Wind Project LLC South Fork Wind Farm	OK MN	59000 58691	MRWP STFK1		Onshore Wind Turbine Onshore Wind Turbine	WND	WT	 (T) Regulatory approvals received. Not under construction (P) Planned for installation, but regulatory approvals not initiated 	136.0 13.0
2016	12	58672	Everpower Wind Holdings Inc	IPP	Allegany Wind Farm	NY	58779	1	72.5	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	72.5
2016	12	58672	Everpower Wind Holdings Inc	IPP	Cassadaga Wind Farm	NY WA	58777	1		Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	125.0
2016 2016	12	58672	Everpower Wind Holdings Inc Everpower Wind Holdings Inc	IPP	Coyote Crest Wind Farm Scioto Ridge Wind Farm	OH	58778 58780	1		Onshore Wind Turbine Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	126.0 300.0
2016	12	59155	First Wind O&M, LLC		Bowers Wind Project	ME	57088	1	48.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	48.0
2016 2016	12	59155	First Wind O&M, LLC First Wind O&M, LLC	IPP	Milford Wind Corridor Phase III Milifani South PV	UT	57546 58281		100.0	Onshore Wind Turbine Solar Photovoltaic	WND	WT	(L) Regulatory approvals pending. Not under construction	100.0
2016	12		Gaelectric LLC	IPP	Jawbone Wind Project	MT	58175	JWPI		Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated (P) Planned for installation, but regulatory approvals not initiated	131.1
2016	12	56983	Gibson County Generation LLC	IPP	Gibson County Generation Station	TN	57709	1	371.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	432.0
2016 2016	12		Grande Prairie Wind, LLC Hidalgo Wind Farm LLC	IPP	Grande Prairie Wind Farm Hidalgo Wind Farm LLC	NE TX	58695 57617	GEN1	400.0	Onshore Wind Turbine Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction (P) Planned for installation, but regulatory approvals not initiated	400.0 150.0
2016	12		Hidden Hills Solar II LLC	IPP	Hidden Hills Solar Plant 2	CA	57906	GEINI 1		Solar Thermal without Energy Storage	SUN	ST	(L) Regulatory approvals pending. Not under construction	250.0
2016	12		Iberdrola Renewables Inc		Dolan Springs	AZ	57920	1		Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	300.0
2016 2016	12	15399	Iberdrola Renewables Inc Infigen Asset Management LLC	IPP	Tule Wind LLC Aragonne Solar LLC	CA	57913 59252	PV1		Onshore Wind Turbine Solar Photovoltaic	WND	WT	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	143.0 40.0
2016	12	50123	Infigen Asset Management LLC	IPP	Caprook Solar LLC	NM	59251	PV1	24.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	25.0
2016	12	50123	Infigen Asset Management LLC	IPP	Rio Bravo Solar II LLC	CA	59250	PV1		Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016 2016	12	58688	Kelly Energy LLC Kelly Energy LLC	IPP IPP	Kelly	PA PA	58817 58817	GEN1 GEN2		Other Natural Gas Other Natural Gas	NG NG	IC IC	(P) Planned for installation, but regulatory approvals not initiated (P) Planned for installation, but regulatory approvals not initiated	3.3
2016	12	55910	Lanai Sustainability Research LLC	IPP	Milifani South Solar Farm	HI	57242	1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2016	12	59316	Laurinburg Industrial Solar LLC	IPP	Laurinburg Industrial Solar	SC	59569	PV1	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2016 2016	12		Loring Holdings, LLC Loring Holdings, LLC	Electric CHP	Loring Power Plant Loring Power Plant	ME	56105 56105	GTG1 STG1		Natural Gas Fired Combined Cycle Natural Gas Fired Combined Cycle	NG NG	CT	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	50.0 30.0
2016	12	11204	Los Alamos County	Electric Utility	Los Alamos PV Site	NM	58256	4	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	3	232.0	Solar Thermal without Energy Storage	SUN	ST	(P) Planned for installation, but regulatory approvals not initiated	273.4
2016 2016	12	58371 58371	NextEra Blythe Solar Energy Center, LLC NextEra Blythe Solar Energy Center, LLC	IPP IPP	Blythe Solar Power Project Blythe Solar Power Project	CA	57273 57273	A B	125.0 125.0	Solar Photovoltaic Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	125.0 125.0
2016	12	58371	NextEra Blythe Solar Energy Center, LLC	IPP	Blythe Solar Power Project	CA	57273	C	125.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	125.0
2016 2016	12	58371	NextEra Blythe Solar Energy Center, LLC Number Nine Wind Farm LLC	IPP	Blythe Solar Power Project Number Nine Wind Farm	CA	57273 57612	D GEN1		Solar Photovoltaic Onshore Wind Turbine	SUN	PV WT	(L) Regulatory approvals pending. Not under construction	110.0 250.0
2016	12		Number Nine Wind Farm LLC Panoche Valley Solar LLC	IPP	Number Nine Wind Farm Panoche Valley Solar Farm	CA	57340	GEN1		Onshore Wind Turbine Solar Photovoltaic	SUN	PV	 (P) Planned for installation, but regulatory approvals not initiated (L) Regulatory approvals pending. Not under construction 	399.0
2016	12	56545	Pattern Operators LP	IPP	Majestic 2 Wind Farm	TX	56658	1	79.2	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	79.2
2016 2016	12	56545	Pattern Operators LP Pattern Operators LP	IPP	Ripley Westfield Wind LLC Texas Gulf Wind 2	NY	57193 56662	WTG		Onshore Wind Turbine Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	75.0 187.2
2016	12	58626	Paynesville Wind, LLC	IPP	Texas Gulf Wind 2 Paynesville Wind Farm	MN	58693	1	95.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	95.0
2016	12	59010	Rhubarb One LLC	IPP	Rhubarb One SC	SC	59596	PV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2016 2016	12		Searchlight Wind Energy LLC Silverado Power	IPP IPP	Searchlight Wind Western Antelope Dry Ranch	NV CA	58988 58627	1 WADR		Onshore Wind Turbine Solar Photovoltaic	WND	WT PV	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	200.0
2016	12	58579		IPP	LanEast Solar Farm LLC	CA	58627 57957	WADR 1	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction (L) Regulatory approvals pending. Not under construction	10.0
2016	12	57331	Soitec Solar Development LLC	IPP	LanWest Solar Farm LLC	CA	57958	1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2016 2016	12	57331 57331	Soitec Solar Development LLC Soitec Solar Development LLC	IPP	Rugged Solar LLC Tierra Del Sol Solar Farm LLC	CA	57960 57961			Solar Photovoltaic Solar Photovoltaic	SUN	PV DV	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	80.0 45.0
2016	12	59080	Soleil Energy Solutions, LLC	IPP	Tierra Del Sol Solar Farm LLC Westside Solar Farm	NC	59258	WEST1	45.0	Solar Photovoltaic Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	45.0
2016	12	2782	Terra-Gen Operating Company	IPP	Dixie Valley Power Partnership	NV	10681	GEN1	25.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	28.0
2016 2016	12	59317	Toprak LLC Tri Global Energy, LLC	IPP IPP	Toprak Changing Winds	NC TX	59570 59243	PV1 CHAN1		Solar Photovoltaic Onshore Wind Turbine	SUN	PV WT	(L) Regulatory approvals pending. Not under construction (U) Under construction, less than or equal to 50 percent complete	20.0 288.0
2016	12	59056	Tri Global Energy, LLC	IPP	Fluvanna	TX	59245	FLUV1		Onshore Wind Turbine Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	240.0
	12	59056	Tri Global Energy, LLC	IPP	Goodnight	TX	59246	GOOD1	240.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	240.0
2016	12	59056	Tri Global Energy, LLC Turning Point Solar LLC	IPP IPP	Hale Community Wind Farm Turning Point Solar	TX OH	59247 57371	HALE2 TPS50		Onshore Wind Turbine Solar Photovoltaic	WND	WT	(L) Regulatory approvals pending. Not under construction (T) Regulatory approvals received. Not under construction	240.0 49.9
2016 2016	12	56709	Turning Point Solar LLC	IPP	Turning Point Solar	OH	57371	TPS51	15.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	15.0
2016 2016 2016 2016	12				Two Flk Generating Station	WY	55360	GEN1		Conventional Steam Coal	WC.	eT.	(U) Under construction, less than or equal to 60 percent complete.	320.0
2016 2016 2016 2016 2016	12		Two Elk Generation Partners LP	IPP		VVY		GEIVI				01		
2016 2016 2016 2016 2016 2016 2016	12	58624	Walnut Ridge Wind, LLC	IPP IPP	Walnut Ridge Wind Farm	IL NC	58694	1	210.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction (P) Planned for installation, but regulatory approvals, not initiated.	210.0
2016 2016 2016 2016 2016	12 12 12 1 1	58624 59308 2087		IPP IPP Electric CHP		IL NC AZ		1 PV1 CT1 CT2	210.0 5.0 172.0				(L) Regulatory approvals pending. Not under construction (P) Planned for installation, but regulatory approvals not initiated (L) Regulatory approvals pending. Not under construction	210.0 5.0 172.0 172.0

Year Month	anned U.S. Electric Generating Unit Addition	Plant Producer Type	Plant Name	Plant State	Plant ID	Net Sumr Generator ID Capacity (M		Energy Source Code	Prime Mover Code	Status	Namepla Capacity (MV
017 1	39347 East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT1	.7 Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	8
017 1 017 1	1 39347 East Texas Electric Coop, Inc 1 39347 East Texas Electric Coop, Inc	Electric Utility Electric Utility	RC Thomas Hydroelectric Project RC Thomas Hydroelectric Project	TX TX	58645 58645		.7 Conventional Hydroelectric .7 Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction (T) Regulatory approvals received. Not under construction	8
017 1	59306 Keen Farm, LLC	IPP	Keen Farm	NC	59565	PV1	.0 Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5
017 1	59320 Manway Solar, LLC 59323 Monroe Moore Farm, LLC	IPP	Manway Solar Farm	NC	59575 59578		.0 Solar Photovoltaic .0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5
1017 1	59323 Monroe Moore Farm, LLC 59333 Pit 64 Farm, LLC	IPP IPP	Monroe Moore Farm Pit 64	NC NC	59588		.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (T) Regulatory approvals received. Not under construction	
017 1	59335 Sandy Ridge Solar Farm, LLC	IPP	Sandy Ridge Solar Farm	NC	59590	PV1	.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	
017 1	59337 Sedberry Farm, LLC	IPP	Sedberry Farm	NC	59592		0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	
1017 1	59338 Spring Valley Farm 2, LLC 59339 Spring Valley Farm, LLC	IPP IPP	Spring Valley Farm 2, LLC Spring Valley Farm	NC NC	59593 59594		.0 Solar Photovoltaic .0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	5
017 1	1 18454 Tampa Electric Co	Electric Utility	Palk	FL	7242		.0 Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	463
017 1	59328 Tart Farm, LLC	IPP	Tart Farm	NC	59583	PV1	0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	
017 1 017 1	20159 Washington Parish Engy Ctr LLC 20159 Washington Parish Engy Ctr LLC	IPP IPP	Washington Parish Energy Center Washington Parish Energy Center	LA	55486 55486		.0 Natural Gas Fired Combined Cycle .0 Natural Gas Fired Combined Cycle	NG NG	CT	(V) Under construction, more than 50 percent complete (V) Under construction, more than 50 percent complete	200
017 1	20159 Washington Parish Engy Ctr LLC	IPP	Washington Parish Energy Center	LA	55486		.0 Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	255
017 1	59329 Wellons Farm, LLC	IPP	Wellons Farm	NC	59584	PV1	.0 Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	
017 1 017 2	59331 Woodland Church Farm, LLC CPV Maryland LLC	IPP IDD	Woodland Church Farm	NC MD	59586 56846		.0 Solar Photovoltaic .0 Natural Gas Fired Combined Cycle	SUN	CT	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	215
017 2	56031 CPV Maryland LLC 56031 CPV Maryland LLC	IPP IPP	CPV St Charles Energy Center CPV St Charles Energy Center	MD	56846		.0 Natural Gas Fired Combined Cycle	NG NG	CT	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	215
017 2	56031 CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846		0 Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	316
017 3	58889 Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073		.0 Hydrokinetic	WAT	HA	(L) Regulatory approvals pending. Not under construction	3
017 3 017 3	58889 Dominion Cove Point LNG, LP 58889 Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal Cove Point LNG Terminal	MD	59073 59073		.3 Hydrokinetic .7 Hydrokinetic	TAW	HA HA	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	1
017 3	59155 First Wind O&M, LLC	IPP	Bingham Wind	ME	57531		.0 Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	186
017 3	3 49805 Kennecott Utah Copper	Industrial	Kennecott Power Plant	UT	56163	5CTG 17	.9 Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	207
017 3 017 3	3 17539 South Carolina Electric&Gas Company 3 56789 TBE Montgomery LLC	Electric Utility	V C Summer	SC	6127 57472		.0 Nuclear .6 Other Waste Biomass	NUC	CT	(U) Under construction, less than or equal to 50 percent complete	1,100
1017 3	3 56789 TBE Montgomery LLC 3 56789 TBE Montgomery LLC	IPP IPP	TBE-Montgomery LLC TBE-Montgomery LLC	NY	57472		.4 Other Waste Biomass	OBG	CA	(U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete	12
017 4	59429 Comanche LLC	IPP	Comanche Solar	co	59656	COMCH 12	.0 Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	120
017 4	7189 Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	2 15	.0 Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	170
017 4 017 4	7189 Gila Bend Power Partners LLC 7189 Gila Bend Power Partners LLC	IPP IDD	Gila Bend Power Generation Station Gila Bend Power Generation Station	AZ AZ	55507 55507		.0 Natural Gas Fired Combined Cycle .0 Natural Gas Fired Combined Cycle	NG NG	CT	(P) Planned for installation, but regulatory approvals not initiated (P) Planned for installation, but regulatory approvals not initiated	170
017 4	7189 Glia Bend Power Partners LLC 4 7490 Grand River Dam Authority	Electric Utility	GREC Generation Station	OK	165		.6 Natural Gas Fired Combined Cycle	NG	CT	(E) Planned for installation, but regulatory approvals not initiated (L) Regulatory approvals pending. Not under construction	365
017 4	7490 Grand River Dam Authority	Electric Utility	GREC	OK	165	3ST 19	.8 Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	204
017 4	58848 Green Energy Partners LLC	IPP	Stonewall	VA	59004		0 Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	232
017 4	58848 Green Energy Partners LLC 9273 Indianapolis Power & Light Co	Electric Utility	Stonewall Eagle Valley (IN)	VA IN	59004 991		.0 Natural Gas Fired Combined Cycle .0 Natural Gas Fired Combined Cycle	NG NG	CA	(T) Regulatory approvals received. Not under construction (L) Regulatory approvals pending. Not under construction	338
017 4	9273 Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991		.0 Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	207
017 4	9273 Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	STG1 23	.0 Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	230
017 4	9417 Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA	58236	CC1 64	.0 Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	870
017 4 017 4	4 9417 Interstate Power and Light Co 4 9417 Interstate Power and Light Co	Electric Utility Electric Utility	Marshalltown Generating Station Marshalltown Generating Station	IA IA	58236 58236	CTG1 CTG2	Natural Gas Fired Combined Cycle Natural Gas Fired Combined Cycle	NG NG	CT	 (U) Under construction, less than or equal to 50 percent complete (U) Under construction, less than or equal to 50 percent complete 	222
017 4	9417 Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA.	58236	STG1	Natural Gas Fired Combined Cycle Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	260
			Crawford Renewable Energy - Meadville Power		59307			TDF	ST		99
017 5	5 59111 Crawford Renewable Energy, LLC 5 5701 El Paso Electric Co	Electric Utility	Station Montana Power Station	TX	59307 58562		.5 All Other .0 Natural Gas Fired Combustion Turbine	NG NG	GT	(U) Under construction, less than or equal to 50 percent complete (L) Regulatory approvals pending. Not under construction	100
017 5	5 58597 Envromission. Inc	IPP	La Paz Solar Tower	AZ	58652		.0 Solar Thermal without Energy Storage	SUN	OT	(P) Planned for installation, but regulatory approvals not initiated	200
017 5	5 58848 Green Energy Partners LLC	IPP	Stonewall	VA	59004	GEN2 23	.0 Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	232
017 5	5 59101 NTE Texas, LLC 5 40229 Old Dominion Electric Coop	IPP	Pecan Creek Energy Center Wildcat Point	TX MD	59298 59220		.0 Natural Gas Fired Combustion Turbine	NG NG	GT	(P) Planned for installation, but regulatory approvals not initiated	250
017 5	40229 Old Dominion Electric Coop 40229 Old Dominion Electric Coop	Electric Utility Electric Utility	Wildcat Point Wildcat Point	MD	59220	CT1 CT2	Natural Gas Fired Combined Cycle Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	310
017 5	40229 Old Dominion Electric Coop	Electric Utility	Wildcat Point	MD	59220	ST1	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	493
017 6	5 56204 CPV Valley LLC	IPP	CPV Valley Energy Center	NY	56940		.5 Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	235
017 6	5 56204 CPV Valley LLC 7277 Calpine Corporation	IPP	CPV Valley Energy Center Wild Horse Power Plant	NY	56940 57181	STG 30	0 Natural Gas Fired Combined Cycle	NG GEO	CA	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	350
017 6	5 58959 Freeport LNG Development L.P	Industrial	Freeport LP Pretreatment Facility	TX	59145	65GTG 7	.5 Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	97
017 6	5 57501 NAES Salem Harbor	IPP	Salem Harbor	MA	1626		.0 Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	34
017 6	5 57501 NAES Salem Harbor	IPP	Salem Harbor	MA	1626	6 34	.0 Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	34
1017 6	5 59357 Navasota Energy Generation Holdings 5 59357 Navasota Energy Generation Holdings	IPP IPP	Clear Springs Energy Center Clear Springs Energy Center	TX	59615 59615	CTG-1 17 CTG-2 17	.0 Natural Gas Fired Combustion Turbine .0 Natural Gas Fired Combustion Turbine	NG NG	GT	(P) Planned for installation, but regulatory approvals not initiated (P) Planned for installation, but regulatory approvals not initiated	18 18
017 6	5 59357 Navasota Energy Generation Holdings	IPP	Clear Springs Energy Center	TX	59615	CTG-3 17	.0 Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	18
017 6	5 59357 Navasota Energy Generation Holdings	IPP	Union Valley Energy Center	TX	59616		.0 Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	18
017 6	59357 Navasota Energy Generation Holdings	IPP	Union Valley Energy Center	TX	59616		0 Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	18
017 6 017 6	5 59357 Navasota Energy Generation Holdings 5 59357 Navasota Energy Generation Holdings	IPP	Union Valley Energy Center Van Alstyne Energy Center	TX	59616 59617	CTG-3 17 CTG-1 17	.0 Natural Gas Fired Combustion Turbine .0 Natural Gas Fired Combustion Turbine	NG NG	GT	(P) Planned for installation, but regulatory approvals not initiated (P) Planned for installation, but regulatory approvals not initiated	18
017 6	5 59357 Navasota Energy Generation Holdings	IPP	Van Alstyne Energy Center	TX	59617		.0 Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	18
017 6	5 59357 Navasota Energy Generation Holdings	IPP	Van Alstyne Energy Center	TX	59617		.0 Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	18
1017 6	5 14624 PUD No 2 of Grant County 5 55768 RC Cape May Holdings LLC	Electric Utility	Wanapum B L England	WA N.I	3888 2378	4A 12	.0 Conventional Hydroelectric .0 Natural Gas Fired Combined Cycle	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	12
017 6	40192 Shady Hills Power Co LLC	IPP IPP	Shady Hills Generating Station	FL	55414	G401 20	.0 Natural Gas Fired Combined Cycle .0 Natural Gas Fired Combustion Turbine	NG NG	GT	(L) Regulatory approvals pending. Not under construction (P) Planned for installation, but regulatory approvals not initiated	2
1017 6	40192 Shady Hills Power Co LLC	IPP	Shady Hills Generating Station	FL	55414	G501 20	.0 Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	25
017 6	5 58960 Timberline Energy LLC	IPP	Front Range Project	co	59143	FR-2	.5 Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	
017 7 017 7	7 58758 CPV Smyth Generation Company LLC 7 58409 Future Power PA	IPP IPP	CPV Smyth Generation Company LLC Good Spring NGCC	VA PA	58878 58409		.0 Natural Gas Fired Combined Cycle .0 Natural Gas Fired Combined Cycle	NG NG	CC	(P) Planned for installation, but regulatory approvals not initiated (T) Regulatory approvals received. Not under construction	3
1017 7	7 59362 Jericho Rise Wind Farm LLC	IPP	Jericho Rise Wind Farm LLC	NY	59629		.7 Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	3
017 7	58762 Sargas Texas, LLC	IPP	Stargate Point Comfort	TX	58895	STAR1 23	.0 Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	25
017 7 017 8	7 58878 Watkins Glen Wind LLC B 59814 Black Creek Renewable Energy LLC	IPP IPP	Watkins Glen Wind Energy Center	NY	59041 57492		.0 Onshore Wind Turbine 6 Landfill Gas	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	1
017 8 017 8	8 56814 Black Creek Renewable Energy LLC 8 58768 Pondera Development LLC	IPP IDD	Sampson County Landfill CPV Pondera King Energy Center	TX.	57492 58910		.6 Landfill Gas .0 Natural Gas Fired Combined Cycle	NG NG	CC	(P) Planned for installation, but regulatory approvals not initiated (P) Planned for installation, but regulatory approvals not initiated	9
017 9	7277 Calpine Corporation	IPP	Buckeye Geothermal Power Plant	CA	57180	1 4	.9 Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	
017 9	58804 Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	ОН	58941	WTG1	.0 Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	
017 9	58804 Lake Erie Energy Development Corp 58804 Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941 58941	WTG2	.0 Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	
017 9 017 9	9 58804 Lake Erie Energy Development Corp 58804 Lake Erie Energy Development Corp	IPP IPP	Icebreaker Offshore Wind Farm Icebreaker Offshore Wind Farm	OH	58941 58941	WTG3 WTG4	.0 Onshore Wind Turbine .0 Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	+
117 9	58804 Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG5	.0 Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	
017 9	9 58804 Lake Erie Energy Development Corp 56963 Beaver Wood Energy Eair Haven, LLC	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG6	.0 Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	4
017 10	56963 Beaver Wood Energy Fair Haven, LLC 58378 Jordan Hydroelectric LTD PTP	Electric CHP	Beaver Wood Energy Fair Haven, LLC Flannagan Hydroelectric Project	VA	57634 58827		.5 Other Waste Biomass .9 Conventional Hydroelectric	OBS	ST	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	
17 10	58378 Jordan Hydroelectric LTD PTP	IPP	Flannagan Hydroelectric Project	VA	58827	RGHT	.9 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	
017 11	803 Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT3 10	.7 Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	1
17 12	2 219 Alaska Power and Telephone Co	Electric Utility	Mahoney Lake Hydroelectric	AK	59027		6 Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	
117 12 117 12	2 219 Alaska Power and Telephone Co 803 Arizona Public Service Co	Electric Utility Electric Utility	Reynolds Creek Ocotillo	AK AZ	59037 116	GEN 1 GT4 10	.0 Conventional Hydroelectric .7 Natural Gas Fired Combustion Turbine	WAT NG	GT	(T) Regulatory approvals received. Not under construction (P) Planned for installation, but regulatory approvals not initiated	
017 12	2 2087 Bowie Power Station LLC	IPP	Bowie Power Station LLC	AZ	55780	CT3 17	.0 Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	
17 12	2 2087 Bowie Power Station LLC	IPP	Bowie Power Station LLC	AZ	55780	CT4 17	.0 Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	
17 12	2 2087 Bowie Power Station LLC	Electric CHP	Bowie Power Station LLC	AZ	55780		.0 Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	
117 12 117 12	2 2087 Bowie Power Station LLC 2 59432 Clear Creek Power	Electric CHP	Bowie Power Station LLC Highland Park Project	AZ CO	55780 59659		.0 Natural Gas Fired Combined Cycle .0 Onshore Wind Turbine	NG WND	CA	 (L) Regulatory approvals pending. Not under construction (P) Planned for installation, but regulatory approvals not initiated 	
017 12	56872 Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT1 19	3 Natural Gas Fired Combined Cycle	NG	СТ	(U) Under construction, less than or equal to 50 percent complete	2
12	56872 Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552	CT2 19	.3 Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	2
017 12	2 56872 Contra Costa Generating Station LLC	IPP	Oakley Generating Station	CA	57552		.3 Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	2
017 12 017 12	2 58672 Everpower Wind Holdings Inc 7140 Georgia Power Co	Electric Utility	Buckeye Wind Farm	OH GA	58776 649	1 20	0 Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction (U) Under construction, less than or equal to 50 percent complete	1.1
017 12	2 11208 Los Angeles Department of Water & Power	Electric Utility	Southern Owens Valley Solar Ranch	CA	57304		.0 Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2
	56941 Meadow Lake Wind Farm V LLC		Meadow Lake Wind Farm V LLC		57628		.0 Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	$\overline{}$

	Flectric Generation	

Table 6.5	5. Pla	nned U.S	S. Electric Generating Unit Additions											
			Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplat Capacity (MW
2017	12		Medicine Bow Fuel & Power LLC	IPP	Medicine Bow Fuel & Power LLC	WY	56452	1	350.0	Conventional Steam Coal	BIT	ST	(P) Planned for installation, but regulatory approvals not initiated	350.
2017	12		Paulding Wind Farm LLC	IPP	Paulding Wind Farm LLC	OH	57611	GEN1		Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	49.
2017	12		Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	I-A		Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	687
2017	12	56424	Quilt Block Wind Farm LLC	IPP	Quilt Block Wind Farm LLC	WI	57116	GEN 1	98.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	98
2018	- 1	56794	CE Obsidian Energy LLC	IPP	Black Rock I	CA	57477	G3201	60.0	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	70
2018	- 1	2719	CalWind Resources Inc	IPP	Tehachapi Wind Resource II	CA	54909	PLAN	15.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	15.
2018	- 1	58763	LotusWorks-Summit Ridge I, LLC	IPP	Summit Ridge I Wind Farm	OR	58894	SRWF	151.8	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	151.
2018	2	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT5	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.
2018	2		Mattawoman Energy, LLC	IPP	Mattawoman Energy Center	MD	59662	CGT11		Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	951.
2018	3		Arizona Public Service Co	Flectric Utility	Ocatilla	A7	116	GT6		Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161
2018	3	56794	CE Obsidian Energy LLC	IPP	Black Rock II	CA	57478	G3202	60.0	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	70.
	_				Frederick-Carroll County Renewable Waste to							-	(4) (10)	
2018	3	58757	Wheelabrator Frederick, LLC	IPP	Energy Facility	MD	58875	GEN1	47.0	Municipal Solid Waste	MSW	ST	(T) Regulatory approvals received. Not under construction	56.
2018	4	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT7		Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	161.
2018	4	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	1	27.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	18.
2018	4	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	2	27.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	18.
2018	- 5	56794	CE Obsidian Energy LLC	IPP	Black Rock III	CA	57479	G303	60.0	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	70.
2018	- 5	59283	Gateway Energy Center, LLC	IPP	Gateway Energy Center, LLC	NJ	59538	CT001	442.8	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	440.
2018	6		NTE Carolinas, LLC	IPP	Kings Mountain Energy Center	NC	59325	KMEC1		Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	475.
2018	- 5	59124	NTE Ohio LLC	IPP	Middletown Energy Center	OH	59326	MEC1	525.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	525.
2018	- 0		South Carolina Electric&Gas Company	Electric Utility	V C Summer	SC	6127	MECI		Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1.100
2018	9	2338	Calpine Central LP	IDD Utility	Mankato Energy Center	MN	56104	CTG1		Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	1,100
2018	0	40215	Cordova Electric Coop. Inc	Electric Utility	Orca	AK	789	CIGI	200.0	Petroleum Liquids	DFO	IC	(L) Regulatory approvals not initiated (L) Regulatory approvals pending. Not under construction	210.
	0	40215					789 789					IC		1.
2018	6		Cordova Electric Coop, Inc	Electric Utility	Orca	AK		2		Petroleum Liquids	DFO		(L) Regulatory approvals pending. Not under construction	
2018	6	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U001		Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	390.
2018	б	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U002		Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	390.
2018	6	56534	Cricket Valley Energy Center LLC		Cricket Valley Energy	NY	57185	U003		Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	390.
2018	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	6A	122.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122.
2018	6	19511	University of Alaska	Commercial	University of Alaska Fairbanks	AK	50711	GEN5		Conventional Steam Coal	SUB	ST	(P) Planned for installation, but regulatory approvals not initiated	17.
2018	7	58881	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59048	ABEC1		Natural Gas with Compressed Air Storage	NG	CE	(T) Regulatory approvals received. Not under construction	158.
2018	7	58881	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59048	ABEC2		Natural Gas with Compressed Air Storage	NG	CE	(T) Regulatory approvals received. Not under construction	158.
2018	7	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	CT1		Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	319.
2018	7	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	CT2		Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	319.
2018	7	49745	Cash Creek Generating LLC	IPP	Cash Creek	KY	56107	ST	187.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	187
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG1		Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	41.
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG2	41.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	41.
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG3	41.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	41.
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	STG1		Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	64.
2018	7	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	STG2	64.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	64.
2018	7	54863	U S Power Generating Company LLC	IPP	Gowanus Gas Turbines Generating	NY	2494	SS		Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	93.
2018	9	56266	Green Gas Americas, Inc.	IPP	Pigneer Crossing Landfill Gas to Energy	PA	56957	LFG6	1.6		LFG	IC	(T) Regulatory approvals received. Not under construction	11
2018	11	58847	Carlsbad Energy Center	IPP	Carisbad Energy Center	CA	59002	CEC 6		Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 7	105.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.
2018	11	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 8		Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.
2018	11	58847	Carlsbad Energy Center	IPP	Carisbad Energy Center	CA	59002	CEC 9		Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.
2018	11		Carlsbad Energy Center	IPP	Carisbad Energy Center	CA	59002	CEC10		Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105
2018	11	58847	Carlsbad Energy Center	IPP	Carisbad Energy Center	CA	59002	CEC10		Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	105.
2018	- 11			IPP	Chevenne Prairie Generating Station	WY	57703	028		Natural Gas Fired Combustion Turbine	NG	GT		40.
	12		Black Hills Service Company LLC	IPP									(P) Planned for installation, but regulatory approvals not initiated	40.
2018	12	7140	Black Hills Service Company LLC	Electric Utility	Cheyenne Prairie Generating Station	GA	57703 649	03A		Natural Gas Fired Combustion Turbine Nuclear	NG NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	1,100
			Georgia Power Co	IDD Utility	Vogtle	OR	58841	CT-1					(U) Under construction, less than or equal to 50 percent complete	
2018 2018	12	58722 58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant South Dunes Power Plant	OR	58841	CT-2	47.2	Natural Gas Fired Combined Cycle Natural Gas Fired Combined Cycle	NG NG	CT	(P) Planned for installation, but regulatory approvals not initiated (L) Regulatory approvals pending. Not under construction	64. 64.
2018	12	58722	Jordan Cove Energy Project LP	IPP		OR	58841	CT-3			NG	CT		64.
			Jordan Cove Energy Project LP	IPP	South Dunes Power Plant					Natural Gas Fired Combined Cycle			(L) Regulatory approvals pending. Not under construction	
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	CT-4	47.2	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	64.
2018 2018	12	58722 58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841 58841	CT-5	47.2	Natural Gas Fired Combined Cycle Natural Gas Fired Combined Cycle	NG NG	CT	(L) Regulatory approvals pending. Not under construction	64.
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant South Dunes Power Plant	OR	58841	ST-1		Natural Gas Fired Combined Cycle Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction (L) Regulatory approvals pending. Not under construction	51.
			Jordan Cove Energy Project LP											
2018	12	58722	Jordan Cove Energy Project LP	IPP	South Dunes Power Plant	OR	58841	ST-2		Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	51.
2018	12	4202	Phillips 66-Ponca City Refinery	Industrial	Ponca City Refinery	OK	52188	G1A		Other Gases	OG	ST	(P) Planned for installation, but regulatory approvals not initiated	5.
2018	12	58842	Power Company of Wyoming LLC	PP P	Chokecherry and Sierra Madre Wind	NM	58987 58284	I-B 0002		Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	813. 42.
2019	4		Public Service Co of NM Tampa Flectric Co	Electric Utility	La Luz Energy Center Tampa Flectric Co NA 2	NM FI	58284 56352	0002		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG NG	GT	(P) Planned for installation, but regulatory approvals not initiated	180
	5							1					(P) Planned for installation, but regulatory approvals not initiated	
2019	6	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	3A			WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	122
2019	7		Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG01		Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	100
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG02		Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	100
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG03		Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	100.
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG04		Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	100.
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG05		Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	100
2019	7	59235	Cogentrix Development Holdings, LLC	IPP	Buckeye Generation Center, LLC	AZ	59471	CTG06		Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	100
2019	9		Hydrogen Energy California, LLC	Electric CHP	Hydrogen Energy California LLC	CA	59372	HECA1		Coal Integrated Gasification Combined Cycle	SGC	CS	(L) Regulatory approvals pending. Not under construction	421.
2019	12	28086	Energy Unlimited Inc	IPP	Painted Hills IV Wind	CA	56926	1		Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	19.
2019	12		PacifiCorp	Electric Utility	Blundell	UT	299	3		Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	30.
2020	5		City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT5		Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	60.
2020	5	18454	Tampa Electric Co	Electric Utility	Tampa Electric Co NA 2	FL	56352	2		Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	220
2020	10	5580	East Kentucky Power Coop, Inc	Electric Utility	Green Valley LFGTE	KY	56278	4		Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	0.
2020	12	7277	Calpine Corporation	IPP	Four Mile Hill	CA	55845	1	49.9	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	55.
2020	12	7277	Calpine Corporation	IPP	Telephone Flat	CA	55846	1	49.9		GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	55.
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	8	209.5	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	209.
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	9	209.5	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	108.
2020	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	II-A	750.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	750
2021	4	55927	Power4Georgians LLC	Electric Utility	Plant Washington	GA	56675	MAIN	850.0	Conventional Steam Coal	SUB	ST	(T) Regulatory approvals received. Not under construction	850
2021	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	II-B	750.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	750
2022	- 1	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS1	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101.
2022	12	56943	Blackstone Wind Farm III LLC	IPP	Blackstone Wind Farm III	IL	57618	GEN1	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.
2022	12		Blackstone Wind Farm IV LLC	IPP	Blackstone Wind Farm IV	IL	57619	GEN1		Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100
2022	12	56425	Simpson Ridge Wind Farm LLC	IPP	Simpson Ridge Wind Farm LLC	WY	57117	GEN 1		Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	50.
2023	- 1	16572	Salt River Project	Electric Utility	Copper Crossing Gen Station	AZ	58413	CCGS2	91.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	101
NOTES:														

	Planned U.S	6. Electric Generating Unit Retirements									
			Plant Producer		Plant			Net Summer		Energy Source	Prime Mover
	th Entity ID		Туре	Plant Name	State	Plant ID	Generator ID	Capacity (MW)		Code	Code
2015		City of Farmington - (NM) City of Farmington - (NM)	Electric Utility Electric Utility	Animas Animas	NM NM	2465 2465	1 2		Natural Gas Fired Combined Cycle Natural Gas Fired Combined Cycle	NG NG	CA
		City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	GT1		Natural Gas Fired Combustion Turbine	NG	GT
		Martin Midstream Partnership,LP	Industrial	Cross Oil Refining & Marketing, Inc	AR	58077	CROSS		Natural Gas Fired Combustion Turbine	NG	GT
		Penn State University Penn State University	Commercial Commercial	West Campus Steam Plant West Campus Steam Plant	PA PA	58194 58194	WC2		Conventional Steam Coal Conventional Steam Coal	BIT	ST
2015	3 54843	WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN2		Landfill Gas	LFG	GT
2015		WM Illinois Renewable Energy LLC	IPP	Lake Gas Recovery	IL	50575	GEN3	2.9		LFG	GT
2015 2015		WM Renewable Energy LLC WM Renewable Energy LLC	IPP IPP	BJ Gas Recovery BJ Gas Recovery	GA GA	54392 54392	GEN1 GEN3	0.8	Landfill Gas Landfill Gas	LFG LFG	IC IC
2015		WM Renewable Energy LLC	IPP	Monroe Livingston Gas Recovery	NY	50565	GEN2		Landfill Gas	LFG	IC
		East Kentucky Power Coop, Inc	Electric Utility	Dale	KY	1385	1		Conventional Steam Coal	BIT	ST
		East Kentucky Power Coop, Inc FirstEnergy Generation Corp	Electric Utility	Dale FirstEnergy Ashtabula	KY OH	1385 2835	2 5		Conventional Steam Coal Conventional Steam Coal	BIT SUB	ST
		FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	1		Conventional Steam Coal	SUB	ST
2015	4 6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	ОН	2837	2		Conventional Steam Coal	SUB	ST
		FirstEnergy Generation Corp FirstEnergy Generation Corp	IPP IPP	FirstEnergy Eastlake	OH	2837 2838	3 18		Conventional Steam Coal Conventional Steam Coal	SUB	ST
2015		Georgia Power Co	Electric Utility	FirstEnergy Lake Shore Harllee Branch	GA	709	1	266.0		BIT	ST
2015		Georgia Power Co	Electric Utility	Harllee Branch	GA	709	3	509.0		BIT	ST
2015 2015		Georgia Power Co Georgia Power Co	Electric Utility Electric Utility	Harllee Branch McManus	GA GA	709 715	1	507.0	Conventional Steam Coal Petroleum Liquids	BIT RFO	ST
2015		Georgia Power Co	Electric Utility	McManus	GA	715	2		Petroleum Liquids	RFO	ST
2015	4 7140	Georgia Power Co	Electric Utility	Yates	GA	728	1	97.0	Conventional Steam Coal	BIT	ST
2015 2015		Georgia Power Co Georgia Power Co	Electric Utility Electric Utility	Yates Yates	GA GA	728 728	2	103.0	Conventional Steam Coal Conventional Steam Coal	BIT	ST
2015		Georgia Power Co	Electric Utility	Yates	GA	728	4		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 2015		Gulf Power Co Gulf Power Co	Electric Utility	Scholz Scholz	FL FL	642 642	1		Conventional Steam Coal Conventional Steam Coal	BIT	ST
		MidAmerican Energy Co	Electric Utility Electric Utility	Walter Scott Jr Energy Center	IA.	1082	1		Conventional Steam Coal Conventional Steam Coal	SUB	ST
2015	4 12341	MidAmerican Energy Co	Electric Utility	Walter Scott Jr Energy Center	IA	1082	2	80.8	Conventional Steam Coal	SUB	ST
2015	4 12384 4 14354	Midwest Generations EME LLC PacifiCorp	IPP Electric Utility	Will County Carbon	IL UT	884 3644	3	251.0 67.0	Conventional Steam Coal Conventional Steam Coal	SUB	ST
2015		PacifiCorp	Electric Utility	Carbon	UT	3644	2		Conventional Steam Coal	BIT	ST
2015	4 18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	8	465.0	Conventional Steam Coal	BIT	ST
		City of Marshall - (MI) City of Marshall - (MI)	Electric Utility Electric Utility	Marshall (MI) Marshall (MI)	MI	1844 1844	IC2		Other Natural Gas Petroleum Liquids	NG DFO	IC IC
		City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC4		Other Natural Gas	NG	IC
2015	5 11249	Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	4	155.0	Conventional Steam Coal	BIT	ST
		Louisville Gas & Electric Co	Electric Utility	Cane Run	KY	1363	5		Conventional Steam Coal	BIT	ST
		Louisville Gas & Electric Co Minnesota Power Inc	Electric Utility Electric Utility	Cane Run Taconite Harbor Energy Center	KY MN	1363 10075	6 GEN3		Conventional Steam Coal Conventional Steam Coal	BIT	ST
2015	5 17235	NRG REMA LLC	IPP	Gilbert	NJ	2393	C1		Natural Gas Fired Combustion Turbine	NG	GT
2015		NRG REMA LLC	IPP	Gilbert	NJ	2393	C2		Natural Gas Fired Combustion Turbine	NG	GT
2015 2015		NRG REMA LLC NRG REMA LLC	IPP IPP	Gilbert Gilbert	NJ NJ	2393 2393	C3 C4		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG NG	GT
2015		NRG REMA LLC	IPP	Glen Gardner	NJ	8227	1		Natural Gas Fired Combustion Turbine	NG	GT
		NRG REMA LLC	IPP	Glen Gardner	NJ	8227	2		Natural Gas Fired Combustion Turbine	NG	GT
		NRG REMA LLC NRG REMA LLC	IPP IPP	Glen Gardner Glen Gardner	NJ NJ	8227 8227	3		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG NG	GT
		NRG REMA LLC	IPP	Glen Gardner	NJ	8227	5		Natural Gas Fired Combustion Turbine	NG	GT
		NRG REMA LLC	IPP	Glen Gardner	NJ	8227	6		Natural Gas Fired Combustion Turbine	NG	GT
		NRG REMA LLC NRG REMA LLC	IPP IPP	Glen Gardner Glen Gardner	NJ NJ	8227 8227	7 8		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG NG	GT
	-	NRG REMA LLC	IPP	Werner	NJ	2385	GT1	46.0	Petroleum Liquids	DFO	GT
		NRG REMA LLC	IPP	Werner	NJ	2385	GT2		Petroleum Liquids	DFO	GT
2015		NRG REMA LLC NRG REMA LLC	IPP IPP	Werner Werner	NJ NJ	2385 2385	GT3 GT4	46.0 46.0	Petroleum Liquids Petroleum Liquids	DFO	GT
2015		PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	121		Natural Gas Fired Combustion Turbine	NG	GT
		PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	122		Natural Gas Fired Combustion Turbine	NG	GT
		PSEG Fossil LLC PSEG Fossil LLC	IPP IPP	PSEG Essex Generating Station PSEG Essex Generating Station	NJ NJ	2401 2401	123 124		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG NG	GT
		Sierra Nevada Brewing Co	Industrial	Sierra Nevada Brewing Co	CA	58585	FCE	1.0		NG	FC
		AEP Generation Resources Inc	Electric Utility	Kammer	WV	3947	1	200.0	Conventional Steam Coal	BIT	ST
		AEP Generation Resources Inc AEP Generation Resources Inc	Electric Utility Electric Utility	Kammer Kammer	WV WV	3947 3947	2		Conventional Steam Coal Conventional Steam Coal	BIT	ST
		AEP Generation Resources Inc	Electric Utility	Muskingum River	OH	2872	1		Conventional Steam Coal	BIT	ST
		AEP Generation Resources Inc	Electric Utility	Muskingum River	ОН	2872	2		Conventional Steam Coal	BIT	ST
		AEP Generation Resources Inc AEP Generation Resources Inc	Electric Utility	Muskingum River Muskingum River	OH	2872 2872	3 4	205.0 205.0	Conventional Steam Coal	BIT	ST
		AEP Generation Resources Inc	Electric Utility	Muskingum River	ОН	2872	5		Conventional Steam Coal	BIT	ST
		AEP Generation Resources Inc	Electric Utility	Picway	ОН	2843	5		Conventional Steam Coal	BIT	ST
		Appalachian Power Co	Electric Utility	Clinch River	VA	3775	3 5		Conventional Steam Coal Conventional Steam Coal	BIT	ST
		Appalachian Power Co Appalachian Power Co	Electric Utility Electric Utility	Glen Lyn Glen Lyn	VA VA	3776 3776	6		Conventional Steam Coal Conventional Steam Coal	BIT	ST
2015	6 733	Appalachian Power Co	Electric Utility	Kanawha River	WV	3936	1		Conventional Steam Coal	BIT	ST
		Appalachian Power Co Appalachian Power Co	Electric Utility	Kanawha River	WV	3936 3938	2		Conventional Steam Coal	BIT	ST
		Appalachian Power Co Appalachian Power Co	Electric Utility Electric Utility	Philip Sporn Philip Sporn	WV	3938	1 2		Conventional Steam Coal 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
		Appalachian Power Co	Electric Utility	Philip Sporn	WV	3938	4		Conventional Steam Coal	BIT	ST
2015		Dayton Power & Light Co	Electric Utility	O H Hutchings O H Hutchings	OH	2848 2848	2	58.0 55.0	Conventional Steam Coal Conventional Steam Coal	BIT	ST
2015		Dayton Power & Light Co	Electric Utility						Conventional Steam Coal		ST
2015	6 4922 6 4922	Dayton Power & Light Co	Electric Utility Electric Utility	O H Hutchings	ОН	2848	3			BIT	
2015 2015	6 4922 6 4922 6 4922	Dayton Power & Light Co Dayton Power & Light Co	Electric Utility Electric Utility	O H Hutchings O H Hutchings	ОН	2848	5	63.0	Conventional Steam Coal	BIT	ST
2015 2015 2015	6 4922 6 4922 6 4922 6 4922	Dayton Power & Light Co	Electric Utility Electric Utility Electric Utility	O H Hutchings				63.0 63.0			
2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 4922 6 3542 6 9324	Dayton Power & Light Co Duke Energy O'hio Inc Indiana Michigan Power Co	Electric Utility Electric Utility Electric Utility Electric Utility Electric Utility	O H Hutchings O H Hutchings O H Hutchings Miami Fort Tanners Creek	OH OH OH IN	2848 2848 2832 988	5 6 6	63.0 63.0 163.0 145.0	Conventional Steam Coal Conventional Steam Coal Conventional Steam Coal Conventional Steam Coal	BIT BIT BIT BIT	ST ST ST
2015 2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 4922 6 3542 6 9324 6 9324	Dayton Power & Light Co Duke Energy Ohio Inc Indiana Michigan Power Co Indiana Michigan Power Co	Electric Utility	O H Hutchings O H Hutchings O H Hutchings Mami Fort Tanners Creek Tanners Creek	OH OH OH IN	2848 2848 2832 988 988	5 6 6 1 2	63.0 63.0 163.0 145.0 145.0	Conventional Steam Coal	BIT BIT BIT BIT BIT	ST ST ST ST ST
2015 2015 2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 4922 6 3542 6 9324 6 9324 6 9324	Dayton Power & Light Co Dayton Power & Light Co Dayton Power & Light Co Duke Energy Ohio Inc Indiana Michigan Power Co Indiana Michigan Power Co Indiana Michigan Power Co	Electric Utility	O H Hutchings O H Hutchings O H Hutchings Manni Fort Tanners Creek Tanners Creek Tanners Creek	OH OH OH IN IN	2848 2848 2832 988 988 988	5 6 6 1 2 3	63.0 63.0 163.0 145.0 145.0 200.0	Conventional Steam Coal	BIT BIT BIT BIT BIT BIT	ST ST ST ST ST ST
2015 2015 2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 4922 6 3542 6 9324 6 9324 6 9324 6 9324 6 22053	Dayton Power & Light Co Duke Energy Ohio Inc Indiana Michigan Power Co Kentucky Power Co	Electric Utility	O H Hutchings O H Hutchings O H Hutchings OH Hutchings Milami Fort Tanners Creek Tanners Creek Tanners Creek Tanners Creek Tanners Creek Big Sandy	OH OH IN IN IN IN KY	2848 2848 2832 988 988 988 988 1353	5 6 6 1 2	63.0 63.0 163.0 145.0 145.0 200.0 500.0	Conventional Steam Coal	BIT BIT BIT BIT BIT BIT BIT BIT	ST ST ST ST ST
2015 2015 2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 4922 6 3542 6 9324 6 9324 6 9324 6 9324 6 9324 6 22053 6 13781	Dayton Power & Light Co Dayton Power & Light Co Dayton Power & Light Co Duke Energy O'hoi Inc Indiana Michigan Power Co Kentucky Power Co Kentucky Power Co Northern States Power Co - Minnesota	Electric Utility	O H Hutchings O H Hutchings O H Hutchings Mami Fort Tanners Creek Tanners Creek Tanners Creek Tanners Creek Big Sandy Aliant Techsystems	OH OH IN IN IN IN KY MN	2848 2848 2832 988 988 988 988 1353 7376	5 6 6 1 2 3 4 2	63.0 63.0 163.0 145.0 200.0 500.0 800.0	Conventional Steam Coal Petroleum Liquids	BIT	ST ST ST ST ST ST ST ST ST
2015 2015 2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 4922 6 3542 6 9324 6 9324 6 9324 6 9324 6 22053 6 13781 6 15147	Dayton Power & Light Co Dayton Power & Light Co Dayton Power & Light Co Duke Energy Ohio Inc Indiana Michigan Power Co Indiana Michigan	Electric Utility	O H Hutchings O H Hutchings O H Hutchings Mami For Tanners Creek Tanners Creek Tanners Creek Tanners Creek Big Sandy Alliert Techsystems Bergen Generating Station	OH OH OH IN IN IN IN KY MN NJ	2848 2848 2832 988 988 988 988 1353 7376 2398	5 6 6 1 2 3 4 4 2 1 3	63.0 63.0 163.0 145.0 200.0 500.0 800.0 1.6 21.0	Conventional Steam Coal Conven	BIT	ST ST ST ST ST ST ST ST ST ST ST ST ST
2015 2015 2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 4922 6 3542 6 9324 6 9324 6 9324 6 22053 6 13781 6 15147	Dayton Power & Light Co Dayton Power & Light Co Dayton Power & Light Co Duke Energy O'hoi Inc Indiana Michigan Power Co Kentucky Power Co Kentucky Power Co Northern States Power Co - Minnesota	Electric Utility	O H Hutchings O H Hutchings O H Hutchings Mami Fort Tanners Creek Tanners Creek Tanners Creek Tanners Creek Big Sandy Aliant Techsystems	OH OH IN IN IN IN KY MN	2848 2848 2832 988 988 988 988 1353 7376	5 6 6 1 2 3 4 2	63.0 63.0 163.0 145.0 145.0 200.0 500.0 800.0 1.6 21.0	Conventional Steam Coal Petroleum Liquids	BIT	ST ST ST ST ST ST ST ST ST
2015 2015 2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 4922 6 3542 6 9324 6 9324 6 9324 6 9324 6 13781 6 15147 6 15147 6 15147	Dayton Power & Light Co Duke Energy Orlio Inc Indiana Michigan Power Co Northern States Power Co Northern States Power Co - Minnesota PSEG Fossil LLC PSEG Fossil LLC PSEG Fossil LLC PSEG Fossil LLC	Electric Utility IPP IPP IPP IPP IPP	O H Hutchings O H Hutchings O H Hutchings O H Hutchings Miamr Fort Tanners Creek Tanners Creek Tanners Creek Tanners Creek Tanners Creek Hanners Creek Hanners Creek Hanners Creek Hanners Creek Hanners Creek Big Sandy Allient Techsystems Bergen Generating Station PSEG Burlington Generating Station PSEG Burlington Generating Station PSEG Burlington Generating Station	OH OH OH IN IN IN IN KY MN NJ NJ NJ NJ NJ	2848 2848 2832 988 988 988 388 1353 7376 2398 2399 2399	5 6 6 1 1 2 2 3 3 4 4 2 2 1 1 3 3 111 1112 1112	63.0 63.0 163.0 145.0 145.0 200.0 500.0 800.0 1.6 21.0 46.0	Conventional Steam Coal Petroleum Liquids Petroleum Liquids Petroleum Liquids Petroleum Liquids Petroleum Liquids	BIT	ST ST ST ST ST ST ST IC GT GT GT
2015 2015 2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 4922 6 3542 6 9324 6 9324 6 9324 6 9324 6 13781 6 15147 6 15147 6 15147 6 15147	Dayton Power & Light Co Duke Energy Orlio Inc Indiana Michigan Power Co Kentuckly Power Co Kentuckly Power Co Kentuckly Power Co Sonthern States Power Co - Minnesota PSEC Fossil LLC	Electric Utility IPP IPP IPP IPP IPP IPP	O H Hutchings O H Hutchings O H Hutchings O H Hutchings Mamn For Tanners Creek Tanners Creek Tanners Creek Tanners Creek Tanners Creek Big Sandy Alliant Techsystems Bergen Generating Station PSEG Burlington Generating Station	OH OH OH OH IN	2848 2848 2832 988 988 988 1353 7376 2398 2399 2399 2399	5 6 6 6 1 2 2 3 3 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	63.0 63.0 163.0 145.0 145.0 500.0 800.0 1.6 21.0 46.0 46.0	Conventional Steam Coal Petroleum Liquids Natural Gas Fried Combustion Turbine Petroleum Liquids Petroleum Liquids Petroleum Liquids Petroleum Liquids Petroleum Liquids	BIT	ST ST ST ST ST ST IC GT GT GT GT GT
2015 2015 2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 4922 6 3542 6 9324 6 9324 6 9324 6 9324 6 12053 6 13761 6 15147 6 15147 6 15147 6 15147 6 15147	Dayton Power & Light Co Duke Energy Orlio Inc Indiana Michigan Power Co Northern States Power Co Northern States Power Co - Minnesota PSEG Fossil LLC PSEG Fossil LLC PSEG Fossil LLC PSEG Fossil LLC	Electric Utility IPP IPP IPP IPP IPP	O H Hutchings O H Hutchings O H Hutchings O H Hutchings Mamn For Tanners Creek Tanners Creek Tanners Creek Tanners Creek Big Sandy Alliant Techsystems Bergen Generating Station PSEG Burlington Generating Station	OH OH OH IN IN IN IN KY MN NJ NJ NJ NJ NJ	2848 2848 2832 988 988 988 388 1353 7376 2398 2399 2399	5 6 6 1 1 2 2 3 3 4 4 2 2 1 1 3 3 111 1112 1112	63.0 63.0 163.0 145.0 200.0 800.0 1.6 21.0 46.0 46.0 46.0	Conventional Steam Coal Petroleum Liquids Petroleum Liquids Petroleum Liquids Petroleum Liquids Petroleum Liquids	BIT	ST ST ST ST ST ST ST IC GT GT GT
2015 2015 2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 3542 6 33542 6 9324 6 9324 6 9324 6 13781 6 15147 6 15147 6 15147 6 15147 6 15147 6 15147 6 15147	Dayton Power & Light Co Duke Energy Orlio Inc Indiana Michigan Power Co Indiana Michigan Indiana Ind	Electric Utility IPP IPP IPP IPP IPP IPP IPP IPP IPP IP	O H Hutchings O H Hutchings O H Hutchings O H Hutchings Hutchings Mismi Fort Tanners Creek Tanners Creek Tanners Creek Tanners Creek Big Sandy Alliant Techsystems Bergen Generating Station PSEG Burlington Generating Station PSEG Edison Generating Station PSEG Edison Generating Station PSEG Edison Generating Station	OH OH OH OH IN	2848 2848 2832 988 988 988 1353 7376 2398 2399 2399 2399 2399 2400 2400	5 6 6 6 1 1 2 2 3 3 4 4 2 2 1 1 3 3 1111 1112 1112	63.0 63.0 163.0 145.0 200.0 500.0 800.0 1.6 21.0 46.0 46.0 46.0 22.0	Conventional Steam Coal Petroleum Liquids Natural Gas Fired Combustion Turbine Petroleum Liquids	BIT BIT BIT BIT BIT BIT BIT BIT DFO NG DFO DFO DFO DFO NG NG	ST ST ST ST ST ST ST ST
2015 2016 2016 2015 2015 2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 3542 6 3542 6 9324 6 9324 6 9324 6 9324 6 15147 6 15147 6 15147 6 15147 6 15147 6 15147 6 15147 6 15147 6 15147	Dayton Power & Light Co Duke Energy Ohio Inc Inclana Michigan Power Co Indiana Michigan Power Co Indiana Michigan Power Co Indiana Michigan Power Co Indiana Michigan Power Co Northern States Power Co Northern States Power Co - Minnesota PSEG Fossil LLC	Electric Utility IPP IPP IPP IPP IPP IPP IPP IPP IPP IP	OH Hutchings OH Hutchings OH Hutchings OH Hutchings OH Hutchings Maim Fort Tanners Creek Tanners Creek Tanners Creek Tanners Creek Big Sardy Alliant Techsystems Bergen Generating Station PSEG Burlington Generating Station PSEG Edison Generating Station PSEG Edison Generating Station	OH OH OH OH IN IN IN IN IN KY MN NJ	2848 2848 2832 988 988 988 1353 7376 2398 2399 2399 2399 2400 2400 2400	5 6 6 6 1 1 1 2 2 3 3 4 4 2 2 1 1 1 1 1 1 1 2 1 1 1 3 1 1 1 4 8 1 1 1 1 1 2 1 1 3 1 1 1 1 2 1 1 3 1 1 1 1	63.0 63.0 163.0 145.0 145.0 500.0 500.0 1.6 21.0 46.0 46.0 46.0 22.0 43.0 43.0	Conventional Steam Coal Petroleum Liquids Natural Gas Fired Combustion Turbine Petroleum Liquids Natural Gas Fired Combustion Turbine	BIT BIT BIT BIT BIT BIT BIT BIT BIT DFO NG DFO DFO DFO DFO DFO NG NG NG NG	ST
2015 2016 2016 2015 2015 2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 3542 6 3932 6 9324 6 9324 6 9324 6 13781 6 15147 6 15147	Dayton Power & Light Co Duke Energy Orlio Inc Indiana Michigan Power Co Indiana Michigan Indiana Ind	Electric Utility IPP IPP IPP IPP IPP IPP IPP IPP IPP IP	O H Hutchings O H Hutchings O H Hutchings O H Hutchings Mamn For T Tanners Creek Tanners Creek Tanners Creek Tanners Creek Tanners Creek Tanners Creek Big Sandy Alliam Techsystems Bergen Generating Station PSEG Burlington Generating Station PSEG Edmicro Generating Station	OH OH OH OH IN	2848 2848 2832 988 988 988 1353 7376 2398 2399 2399 2399 2399 2400 2400	5 6 6 6 1 1 2 2 3 3 4 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	63.0 63.0 163.0 145.0 200.0 500.0 1.6 21.0 46.0 46.0 46.0 43.0 43.0 43.0	Conventional Steam Coal Petroleum Liquids Natural Gas Fired Combustion Turbine Petroleum Liquids Natural Gas Fired Combustion Turbine	BIT BIT BIT BIT BIT BIT BIT BIT DFO NG DFO DFO DFO DFO NG NG	ST
2015 2015 2015 2015 2015 2015 2015 2015	6 4922 6 4922 6 4922 6 3542 6 9324 6 9324 6 9324 6 9324 6 9324 6 15147 6 15147	Dayton Power & Light Co Duke Energy Orlio Inc Inclinan Michigan Power Co Indiana Michigan Power Co Southern States Power Co - Minnesota PSEC Fossil LLC PSEC Fossil LC	Electric Utility IPP IPP IPP IPP IPP IPP IPP IPP IPP IP	OH Hutchings OH Hutchings OH Hutchings OH Hutchings OH Hutchings Maim Fort Tanners Creek Tanners Creek Tanners Creek Tanners Creek Big Sardy Alliant Techsystems Bergen Generating Station PSEG Burlington Generating Station PSEG Edison Generating Station PSEG Edison Generating Station	OH OH OH OH IN	2848 2848 2832 988 988 988 1353 7376 2399 2399 2399 2399 2400 2400 2400 2400	5 6 6 6 1 1 1 2 2 3 3 4 4 2 2 1 1 1 1 1 1 1 2 1 1 1 3 1 1 1 4 8 1 1 1 1 1 2 1 1 3 1 1 1 1 2 1 1 3 1 1 1 1	63.0 63.0 163.0 145.0 200.0 500.0 1.6 46.0 46.0 46.0 43.0 44.0 45.0 46.	Conventional Steam Coal Petroleum Liquids Natural Gas Fired Combustion Turbine Petroleum Liquids Natural Gas Fired Combustion Turbine	BIT BIT BIT BIT BIT BIT BIT BIT DFO NG DFO DFO DFO NG NG NG NG NG	ST ST ST ST ST ST ST ST

Table (6.6. Pla	anned U.S. Electric Generating Unit Retirements		I					I		
			Diana Danaharan		Diame			N-4 C		Energy	Prime
Year	Month	Entity ID Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Source Code	Mover Code
2015	6	15147 PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	24	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2015 2015	6	15147 PSEG Fossil LLC 15147 PSEG Fossil LLC	IPP IPP	PSEG Edison Generating Station PSEG Edison Generating Station	NJ NJ	2400 2400	31 32		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG NG	GT
2015	6	15147 PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	33		Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147 PSEG Fossil LLC	IPP	PSEG Edison Generating Station	NJ	2400	34		Natural Gas Fired Combustion Turbine	NG	GT
2015 2015	6	15147 PSEG Fossil LLC 15147 PSEG Fossil LLC	IPP IPP	PSEG Essex Generating Station PSEG Essex Generating Station	NJ NJ	2401 2401	101 102		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG NG	GT
2015	6	15147 PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	103	43.0		NG	GT
2015	6	15147 PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	104		Natural Gas Fired Combustion Turbine	NG	GT
2015 2015	6	15147 PSEG Fossil LLC 15147 PSEG Fossil LLC	IPP IPP	PSEG Essex Generating Station PSEG Essex Generating Station	NJ NJ	2401 2401	111 112		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG NG	GT
2015	6	15147 PSEG FOSSII LLC	IPP	PSEG Essex Generating Station	NJ	2401	113		Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147 PSEG Fossil LLC	IPP	PSEG Essex Generating Station	NJ	2401	114	46.0	Natural Gas Fired Combustion Turbine	NG	GT
2015	6	15147 PSEG Fossil LLC	IPP	PSEG Mercer Generating Station	NJ	2408	3		Petroleum Liquids	DFO	GT
2015 2015	6	15147 PSEG Fossil LLC 15147 PSEG Fossil LLC	IPP IPP	PSEG National Park Generating Station PSEG Sewaren Generating Station	NJ NJ	2409 2411	1		Petroleum Liquids Petroleum Liquids	KER	GT
2015	6	15478 PSEG Nuclear LLC	IPP	PSEG Salem Generating Station	NJ	2410	3		Petroleum Liquids	DFO	GT
2015	6	25835 Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS1		Conventional Hydroelectric	WAT	HY
2015 2015	6	25835 Portland City of 25835 Portland City of	IPP IPP	Ground Water Pumping Station Ground Water Pumping Station	OR OR	50105 50105	GPS2 GPS3		Conventional Hydroelectric	WAT	HY
2015	6	25835 Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS4		Conventional Hydroelectric	WAT	HY
2015	6	25835 Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS5	0.9	Conventional Hydroelectric	WAT	HY
2015	6	25835 Portland City of	IPP IPP	Ground Water Pumping Station	OR	50105	GPS6		Conventional Hydroelectric	WAT	HY
2015 2015	6	54842 WM Renewable Energy LLC 20860 Wisconsin Public Service Corp	Electric Utility	New Milford Gas Recovery Pulliam	WI	50564 4072	GEN4		Landfill Gas Conventional Steam Coal	LFG SUB	IC ST
2015	6	20860 Wisconsin Public Service Corp	Electric Utility	Pulliam	WI	4072	6		Conventional Steam Coal	SUB	ST
2015	6	20860 Wisconsin Public Service Corp	Electric Utility	Weston	WI	4078	1		Conventional Steam Coal	SUB	ST
2015 2015	10	14624 PUD No 2 of Grant County 1991 Boise White Paper LLC	Electric Utility Industrial	Wanapum Boise Cascade International Falls	MN	3888 10486	8 GEN1		Conventional Hydroelectric Wood/Wood Waste Biomass	WAT	HY
2015	10		Industrial	Boise Cascade International Falls Boise Cascade International Falls	MN	10486	GEN1		Wood/Wood Waste Biomass Wood/Wood Waste Biomass	BLQ	ST
2015	10	1991 Boise White Paper LLC	Industrial	Boise Cascade International Falls	MN	10486	GEN3		Wood/Wood Waste Biomass	BLQ	ST
2015 2015	10	1991 Boise White Paper LLC 18445 City of Tallahassee - (FL)	Industrial	Boise Cascade International Falls S O Purdom	MN	10486 689	GEN4 GT1		Wood/Wood Waste Biomass	BLQ	ST
2015	10 10		Electric Utility Electric Utility	S O Purdom S O Purdom	FL	689 689	GT1 GT2		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG NG	GT
2015	10	13781 Northern States Power Co - Minnesota	Electric Utility	Key City	MN	1914	1		Natural Gas Fired Combustion Turbine	NG	GT
2015	10		Electric Utility	Key City	MN	1914	2		Natural Gas Fired Combustion Turbine	NG	GT
2015 2015	10 10	13781 Northern States Power Co - Minnesota 13781 Northern States Power Co - Minnesota	Electric Utility Electric Utility	Key City Key City	MN	1914 1914	3		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG NG	GT
2015	11		Electric CHP	ACE Cogeneration Facility	CA	10002	GEN1		Conventional Steam Coal	BIT	ST
2015	12		Electric Utility	Harris Energy Realty	MA	54981	ALBA		Conventional Hydroelectric	WAT	HY
2015	12		Electric Utility	Harris Energy Realty	MA	54981	ALBD		Conventional Hydroelectric	WAT	HY
2015 2015	12 12		Electric Utility Electric Utility	Harris Energy Realty Shipman	MA HI	54981 6478	NONO 3		Conventional Hydroelectric Petroleum Liquids	WAT RFO	HY
2015	12		Electric Utility	Shipman	HI	6478	4		Petroleum Liquids	RFO	ST
2015	12		Electric Utility	Scattergood	CA	404	3		Other Natural Gas	NG	ST
2015 2015	12 12	13781 Northern States Power Co - Minnesota 13781 Northern States Power Co - Minnesota	Electric Utility Electric Utility	Black Dog Black Dog	MN	1904 1904	3		Conventional Steam Coal Conventional Steam Coal	SUB	ST
2015	12	14030 Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN1		Other Natural Gas	NG	ST
2015	12	14030 Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN2		Other Natural Gas	NG	ST
2015	12	14030 Oklahoma State University	Commercial	Oklahoma State University	OK	54779	GEN4		Other Natural Gas	NG	ST
2015 2015	12 12		Electric Utility Electric Utility	Cherokee Ponnequin	CO	469 7937	30		Conventional Steam Coal Onshore Wind Turbine	BIT	ST
2015	12		Electric Utility	Ponnequin	co	7937	8		Onshore Wind Turbine	WND	WT
2015	12	15466 Public Service Co of Colorado	Electric Utility	Zuni	CO	478	2	60.0	Other Natural Gas	NG	ST
2015	12		Electric Utility	Silver Lake	MN	2008	1 2		Conventional Steam Coal	BIT	ST
2015	12 12		Electric Utility Electric Utility	Silver Lake	MN	2008	3		Conventional Steam Coal Conventional Steam Coal	BIT	ST
2015	12		Electric Utility	Silver Lake	MN	2008	4	46.4	Conventional Steam Coal	BIT	ST
2015	12		Electric Utility	Johnsonville	TN	3406	10		Conventional Steam Coal	SUB	ST
2015 2015	12 12	18642 Tennessee Valley Authority 18642 Tennessee Valley Authority	Electric Utility Electric Utility	Johnsonville Johnsonville	TN	3406 3406	5		Conventional Steam Coal Conventional Steam Coal	SUB	ST
2015	12		Electric Utility	Johnsonville	TN	3406	7		Conventional Steam Coal	SUB	ST
2015	12	18642 Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	8		Conventional Steam Coal	SUB	ST
2015 2015	12 12		Electric Utility Electric Utility	Johnsonville Edgewater	TN WI	3406 4050	9		Conventional Steam Coal Conventional Steam Coal	SUB	ST
2015	12		Electric Utility	Nelson Dewey Generating Station	WI	4050	1		Conventional Steam Coal	SUB	ST
2015	12		Electric Utility	Nelson Dewey Generating Station	WI	4054	2	103.1	Conventional Steam Coal	SUB	ST
2016	1	9231 City of Independence - (MO)	Electric Utility	Missouri City	MO	2171	1		Conventional Steam Coal	BIT	ST
2016 2016	1	9231 City of Independence - (MO) 5860 Empire District Electric Co	Electric Utility	Missouri City Riverton	MO KS	2171 1239	2 q		Conventional Steam Coal Natural Gas Fired Combustion Turbine	BIT NG	ST
2016	1	9788 John Deere Harvester Works Co	Industrial	John Deere Harvester Works	IL	10039	GEN7	0.8	Conventional Steam Coal	BIT	ST
2016	1	10000 Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	1		Conventional Steam Coal	SUB	ST
2016 2016	3	6455 Duke Energy Florida, Inc 6455 Duke Energy Florida, Inc	Electric Utility Electric Utility	Crystal River Crystal River	FL	628 628	1		Conventional Steam Coal Conventional Steam Coal	BIT	ST
2016	3	18642 Tennessee Valley Authority	Electric Utility	Colbert	AL	47	1		Conventional Steam Coal	BIT	ST
2016	3	18642 Tennessee Valley Authority	Electric Utility	Colbert	AL	47	2		Conventional Steam Coal	BIT	ST
2016	3	18642 Tennessee Valley Authority 18642 Tennessee Valley Authority	Electric Utility Electric Utility	Colbert	AL AL	47 47	3		Conventional Steam Coal Conventional Steam Coal	BIT	ST
2016	4	803 Arizona Public Service Co	Electric Utility	Cholla	AZ	113	2		Conventional Steam Coal	SUB	ST
2016	4	15470 Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	2		Conventional Steam Coal	BIT	ST
2016	4	15470 Duke Energy Indiana Inc 15470 Duke Energy Indiana Inc	Electric Utility Electric Utility	Wabash River Wabash River	IN IN	1010 1010	3		Conventional Steam Coal Conventional Steam Coal	BIT	ST
2016	4	15470 Duke Energy Indiana Inc 15470 Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	5		Conventional Steam Coal Conventional Steam Coal	BIT	ST
2016	4	15470 Duke Energy Indiana Inc	Electric Utility	Wabash River	IN	1010	6	318.0	Conventional Steam Coal	BIT	ST
2016 2016	4	5580 East Kentucky Power Coop, Inc	Electric Utility Electric Utility	Dale Dale	KY	1385 1385	3		Conventional Steam Coal Conventional Steam Coal	BIT	ST
2016	4	5580 East Kentucky Power Coop, Inc 7140 Georgia Power Co	Electric Utility	Kraft Sale	GA	733	2		Conventional Steam Coal 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		Other Natural Gas	NG	ST
2016 2016	4	7140 Georgia Power Co 9273 Indianapolis Power & Light Co	Electric Utility Electric Utility	Kraft Eagle Valley (IN)	GA IN	733 991	ST1 3		Conventional Steam Coal Conventional Steam Coal	BIT	ST
2016	4	9273 Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	4	56.0	Conventional Steam Coal	BIT	ST
2016	4	9273 Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	5		Conventional Steam Coal	BIT	ST
2016 2016	4	9273 Indianapolis Power & Light Co 9273 Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN) Eagle Valley (IN)	IN	991 991	6 IC1		Conventional Steam Coal Petroleum Liquids	DFO	ST
2016	4	10171 Kentucky Utilities Co	Electric Utility	Green River	KY	1357	3		Conventional Steam Coal	BIT	ST
2016	4	10171 Kentucky Utilities Co	Electric Utility	Green River	KY	1357	4	95.0	Conventional Steam Coal	BIT	ST
2016	4	12341 MidAmerican Energy Co	Electric Utility	George Neal North	IA IA	1091	1		Conventional Steam Coal	SUB	ST
2016 2016	4	12341 MidAmerican Energy Co 12869 Monterey Regional Waste Mgmt	Electric Utility Commercial	George Neal North Marina Landfill Gas	IA CA	1091 10748	U3J98		Conventional Steam Coal Landfill Gas	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		Conventional Steam Coal	SUB	ST
2016 2016	4	17698 Southwestern Electric Power Co 6455 Duke Energy Florida, Inc	Electric Utility Electric Utility	Welsh Avon Park	TX FL	6139 624	2 P1		Conventional Steam Coal Natural Gas Fired Combustion Turbine	SUB	ST
2016	5	6455 Duke Energy Florida, Inc	Electric Utility	Avon Park	FL	624	P2		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

Table	6.6. Pla	anned U.S. Electric Generating Unit Retirements		I						_	
			Diant Draducer		Plant			Net Summer		Energy	Prime
Year	Month	Entity ID Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Capacity (MW)		Source Code	Code
2016 2016	5	6455 Duke Energy Florida, Inc 6455 Duke Energy Florida, Inc	Electric Utility Electric Utility	Higgins	FL	630	P1 P2		Natural Gas Fired Combustion Turbine	NG	GT GT
2016	5	5 6455 Duke Energy Florida, Inc 6455 Duke Energy Florida, Inc	Electric Utility	Higgins Higgins	FL FL	630 630	P2 P3		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG NG	GT
2016	5	6455 Duke Energy Florida, Inc	Electric Utility	Higgins	FL	630	P4		Natural Gas Fired Combustion Turbine	NG	GT
2016	5	6455 Duke Energy Florida, Inc	Electric Utility	Rio Pinar	FL	637	P1		Petroleum Liquids	DFO	GT
2016 2016	5 5	5 55768 RC Cape May Holdings LLC 5 55768 RC Cape May Holdings LLC	IPP IPP	B L England B L England	NJ NJ	2378 2378	IC1 IC2	2.0	Petroleum Liquids Petroleum Liquids	DFO	IC
2016	5	5 55768 RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC3		Petroleum Liquids	DFO	IC
2016	5	55768 RC Cape May Holdings LLC	IPP	B L England	NJ	2378	IC4		Petroleum Liquids	DFO	IC
2016	6	5 5860 Empire District Electric Co 14328 Pacific Gas & Electric Co	Electric Utility Electric Utility	Riverton Cow Creek	KS CA	1239 229	8		Conventional Steam Coal Conventional Hydroelectric	SUB	ST
2016	6	14328 Pacific Gas & Electric Co	Electric Utility	Cow Creek	CA	229	2		Conventional Hydroelectric	WAT	HY
2016	6	14328 Pacific Gas & Electric Co	Electric Utility	Kilarc	CA	253	1		Conventional Hydroelectric	WAT	HY
2016	6	5 14328 Pacific Gas & Electric Co 7 7140 Georgia Power Co	Electric Utility Electric Utility	Kilarc Mitchell (GA)	CA GA	253 727	2		Conventional Hydroelectric Conventional Steam Coal	WAT	HY
2016	8	3 14534 City of Pasadena - (CA)	Electric Utility	Broadway (CA)	CA	420	B3		Other Natural Gas	NG	ST
2016	8	57322 Naval Facilities Engineering Command	Commercial	Goddard Steam Plant	MD	57944	1		Conventional Steam Coal	BIT	ST
2016 2016	8	57322 Naval Facilities Engineering Command 18125 Stillwater Utilities Authority	Commercial Electric Utility	Goddard Steam Plant Boomer Lake Station	MD OK	57944 3000	2		Conventional Steam Coal Other Natural Gas	BIT NG	ST
2016	8	3 18125 Stillwater Utilities Authority	Electric Utility	Boomer Lake Station	OK	3000	2		Other Natural Gas	NG	ST
2016	9	12869 Monterey Regional Waste Mgmt	Commercial	Marina Landfill Gas	CA	10748	U2J02	1.0	Landfill Gas	LFG	IC
2016	11		Industrial	Georgia-Pacific Brewton Mill	AL	54789	1TG		Wood/Wood Waste Biomass	BLQ	ST
2016 2016	12 12		Electric Utility Electric Utility	Gorgas Columbia (MO)	AL MO	2123	5 5		Conventional Steam Coal Conventional Steam Coal	BIT	ST
2016	12		Industrial	LaO Energy Systems	LA	52006	GEN7		Natural Gas Fired Combined Cycle	NG	CT
2016	12		Electric Utility	E D Edwards	IL	856	1		Conventional Steam Coal	SUB	ST
2016	12		Electric Utility	Burlington (IA)	IA	1104	GT1		Natural Gas Fired Combustion Turbine	NG	GT
2016 2016	12 12		Electric Utility Electric Utility	Burlington (IA) Burlington (IA)	IA IA	1104 1104	GT2 GT3		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG NG	GT
2016	12	9417 Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT4	16.1	Natural Gas Fired Combustion Turbine	NG	GT
2016	12		Electric Utility	Centerville	IA	1105	1		Petroleum Liquids	DFO	IC
2016	12 12		Electric Utility Electric Utility	Centerville Centerville	IA IA	1105 1105	3		Petroleum Liquids Petroleum Liquids	DFO DFO	IC IC
2016	12		Electric Utility	Centerville	IA	1105	GT1		Petroleum Liquids	DFO	GT
2016	12	9417 Interstate Power and Light Co	Electric Utility	Centerville	IA	1105	GT2	27.3	Petroleum Liquids	DFO	GT
2016	12 12		Electric Utility Electric Utility	Dubuque Dubuque	IA IA	1046 1046	3		Other Natural Gas Other Natural Gas	NG NG	ST
2016	12	9417 Interstate Power and Light Co	Electric Utility	Dubuque	IA	1046	IC1	2.0	Petroleum Liquids	DFO	IC
2016	12		Electric Utility	Dubuque	IA	1046	IC2		Petroleum Liquids	DFO	IC
2016 2016	12 12		Electric Utility Electric Utility	Fox Lake Fox Lake	MN	1888 1888	1		Other Natural Gas Other Natural Gas	NG NG	ST
2016	12		Electric Utility	Grinnell	IA	7137	1		Natural Gas Fired Combustion Turbine	NG	GT
2016	12	9417 Interstate Power and Light Co	Electric Utility	Grinnell	IA	7137	2	19.4	Natural Gas Fired Combustion Turbine	NG	GT
2016	12		Electric Utility	Hills	MN	1889	1		Petroleum Liquids	DFO	IC
2016	12 12		Electric Utility Electric Utility	Hills Sutherland	MN IA	1889 1077	1		Petroleum Liquids Other Natural Gas	DFO NG	IC ST
2016	12		Electric Utility	Sutherland	IA	1077	3		Other Natural Gas	NG	ST
2016	12		IPP	El Cajon	CA	301	ENCI		Natural Gas Fired Combustion Turbine	NG	GT
2016 2016	12 12		IPP	Kearny	CA	303 303	KEA2 KEA3		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG NG	GT
2016	12		IPP	Kearny Miramar	CA	305	MRGT		Natural Gas Fired Combustion Turbine Natural Gas Fired Combustion Turbine	NG	GT
2016	12		IPP	Coolwater	CA	329	1		Other Natural Gas	NG	ST
2016	12	15908 NRG California South LP 19876 Virginia Electric & Power Co	IPP Electric Utility	Coolwater Yorktown	CA VA	329 3809	2		Other Natural Gas Conventional Steam Coal	NG BIT	ST
2017	1	1 19876 Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	2		Conventional Steam Coal	BIT	ST
2017	1	1 20847 Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	5		Conventional Steam Coal	BIT	ST
2017	1	20847 Wisconsin Electric Power Co 20847 Wisconsin Electric Power Co	Electric Utility Electric Utility	Presque Isle Presque Isle	MI	1769 1769	6		Conventional Steam Coal Conventional Steam Coal	BIT	ST
2017	1	20847 Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	8		Conventional Steam Coal	SUB	ST
2017	1	1 20847 Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	9	78.0	Conventional Steam Coal	SUB	ST
2017	2	2 14624 PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	6		Conventional Hydroelectric	WAT	HY
2017	5	18445 City of Tallahassee - (FL) 5 5701 El Paso Electric Co	Electric Utility Electric Utility	Arvah B Hopkins Rio Grande	FL NM	688 2444	GT2		Natural Gas Fired Combustion Turbine Other Natural Gas	NG NG	GT
2017	5	12628 NRG Chalk Point LLC	IPP	Chalk Point LLC	MD	1571	ST1		Conventional Steam Coal	BIT	ST
2017	5	12628 NRG Chalk Point LLC	IPP	Chalk Point LLC	MD	1571	ST2		Conventional Steam Coal	BIT	ST
2017	5	5 15452 PSEG Power Connecticut LLC 142 AES Beaver Valley	IPP Electric CHP	Bridgeport Station AES Beaver Valley Partners Beaver Valley	CT PA	568 10676	GEN2		Petroleum Liquids Conventional Steam Coal	KER BIT	GT ST
2017	6	142 AES Beaver Valley	Electric CHP	AES Beaver Valley Partners Beaver Valley	PA	10676	GEN3		Conventional Steam Coal	BIT	ST
2017	6	5 58534 Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	1		Conventional Steam Coal	BIT	ST
2017	6	5 58534 Brayton Point Energy LLC 5 58534 Brayton Point Energy LLC	IPP IPP	Brayton Point Brayton Point	MA MA	1619 1619	2		Conventional Steam Coal Conventional Steam Coal	BIT	ST
2017	6	5 58534 Brayton Point Energy LLC	IPP	Brayton Point	MA	1619	4		Petroleum Liquids	RFO	ST
2017	6	11820 Massachusetts Inst of Tech	Commercial	Mass Inst Tech Cntrl Utilities/Cogen Plt	MA	54907	CTG1		Natural Gas Fired Combustion Turbine	NG	GT
2017	6	5 18642 Tennessee Valley Authority 5 18642 Tennessee Valley Authority	Electric Utility Electric Utility	Paradise Paradise	KY	1378 1378	1 2		Conventional Steam Coal	BIT	ST
2017	10		Electric Othlity	Waste Energy Services	MI	50077	CAT1		Conventional Steam Coal Landfill Gas	LFG	IC
2017	10	5677 Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT2	0.3	Landfill Gas	LFG	IC
2017	10 10		Electric CHP	Waste Energy Services Waste Energy Services	MI	50077 50077	CAT3 CAT4		Landfill Gas Landfill Gas	LFG LFG	IC IC
2017	12		Electric Utility	Gorgas	AL	8	7		Conventional Steam Coal	BIT	ST
2017	12	2 463 Ameresco LFG I Inc	IPP	Al Turi	NY	10549	3010	0.8	Landfill Gas	LFG	IC
2017	12		Electric Utility	Newman Newman	TX	3456 3456	4 CT1		Natural Gas Fired Combined Cycle	NG NG	CA
2017	12 12		Electric Utility Electric Utility	Newman Newman	TX	3456	CT2		Natural Gas Fired Combined Cycle Natural Gas Fired Combined Cycle	NG 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	2 13960 NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	2		Other Natural Gas	NG	ST
2017	12 12		IPP IPP	Encina Encina	CA CA	302 302	3		Other Natural Gas Other Natural Gas	NG NG	ST
2017	12		IPP	Encina	CA	302	5		Other Natural Gas	NG	ST
2017	12		IPP	Encina	CA	302	GT1		Natural Gas Fired Combustion Turbine	NG	GT
2017	12 12		IPP Electric Utility	Encina Reid Gardner	CA NV	302 2324	ST1		Other Natural Gas Conventional Steam Coal	NG BIT	ST
2017	12	59099 New Dimension Energy Company, LLC	IPP	Altamont Midway Ltd	CA	50001	WTGS	10.9	Onshore Wind Turbine	WND	WT
2017	12	59099 New Dimension Energy Company, LLC	IPP	Altech	CA	50818	GEN1		Onshore Wind Turbine	WND	WT
2017	12 12		IPP Electric Utility	Santa Clara (85C) Red Wing	CA MN	50534 1926	WGNS 1		Onshore Wind Turbine Municipal Solid Waste	WND MSW	WT ST
2017	12		Electric Utility	Red Wing Red Wing	MN	1926	2		Municipal Solid Waste Municipal Solid Waste	MSW	ST
2017	12	2 13781 Northern States Power Co - Minnesota	Electric Utility	Wilmarth	MN	1934	1	9.0	Municipal Solid Waste	MSW	ST
2017	12		Electric Utility	Wilmarth	MN	1934	2		Municipal Solid Waste	MSW	ST
2047	12 12		Electric Utility Electric Utility	Mustang Mustang	OK OK	2953 2953	2		Other Natural Gas Other Natural Gas	NG NG	ST
2017	121		Electric Utility	Mustang	OK	2953	3		Other Natural Gas	NG	ST
2017 2017	12										
2017 2017 2017	12 12	2 14063 Oklahoma Gas & Electric Co	Electric Utility	Mustang	OK	2953	4		Other Natural Gas	NG WAT	ST
2017 2017	12	2 14063 Oklahoma Gas & Electric Co 2 14624 PUD No 2 of Grant County					4 3 2	103.8	Other Natural Gas Conventional Hydroelectric Conventional Steam Coal	NG WAT BIT	ST HY ST
2017 2017 2017 2017	12 12 12	14063 Oklahoma Gas & Electric Co 14624 PUD No 2 of Grant County 2 15473 Public Service Co of NM 15473 Public Service Co of NM	Electric Utility Electric Utility	Mustang Wanapum	OK WA	2953 3888	4 3 2 3	103.8 340.0 497.0	Conventional Hydroelectric	WAT	HY

Table 6.6. P	lanı	ned U.S	. Electric Generating Unit Retirements		T							
											Energy	Prime
Year Mont	th F	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Source Code	Mover Code
	12		Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	2		Conventional Steam Coal	SUB	ST
	12		Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	3		Conventional Steam Coal	SUB	ST
	12		Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	4		Conventional Steam Coal	SUB	ST
2018 2018	1		City of Milford - (IA) City of Milford - (IA)	Electric Utility Electric Utility	Milford Milford	IA IA	1164 1164	1 4		Petroleum Liquids Petroleum Liquids	DFO	IC IC
2018	1		City of St Marys - (OH)	Electric Utility	St Marys	OH	2942	7		Petroleum Liquids	DFO	GT
-0.0	1	15466	Public Service Co of Colorado	Electric Utility	Valmont	CO	477	5		Conventional Steam Coal	BIT	ST
	5		Duke Energy Florida, Inc	Electric Utility	Suwannee River	FL	638	1		Petroleum Liquids	RFO	ST
	5		Duke Energy Florida, Inc	Electric Utility Electric Utility	Suwannee River Suwannee River	FL FL	638 638	3		Petroleum Liquids Petroleum Liquids	RFO RFO	ST
	5		Duke Energy Florida, Inc GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	2		Conventional Steam Coal	BIT	ST
	5		GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	3		Conventional Steam Coal	BIT	ST
	5		GenOn Mid-Atlantic LLC	IPP	Dickerson	MD	1572	ST1	173.0	Conventional Steam Coal	BIT	ST
2018	6		International Turbine Res Inc	IPP	Dinosaur Point	CA	10005	WTGS	17.0	Onshore Wind Turbine	WND	WT
2018 2018	7		Hawkeye Energy Greenport LLC Sierra Pacific Power Co	IPP Electric Utility	Hawkeye Energy Greenport LLC Fort Churchill	NY NV	55969 2330	U-01		Petroleum Liquids Other Natural Gas	KER NG	GT ST
	12		City of San Antonio - (TX)	Electric Utility	J T Deely	TX	6181	1		Conventional Steam Coal	SUB	ST
	12		City of San Antonio - (TX)	Electric Utility	J T Deely	TX	6181	2		Conventional Steam Coal	SUB	ST
	12		Midwest Generations EME LLC	IPP	Will County	IL	884	4		Conventional Steam Coal	SUB	ST
	12		Northern States Power Co - Minnesota	Electric Utility	Northern States Flambeau	WI	3984	1	12.0	Natural Gas Fired Combustion Turbine	NG	GT
	12 12		South Carolina Electric&Gas Company South Carolina Electric&Gas Company	Electric Utility Electric Utility	McMeekin McMeekin	SC SC	3287 3287	1 2		Conventional Steam Coal Conventional Steam Coal	BIT	ST
	12		Wisconsin Power & Light Co	Electric Utility	Edgewater	WI	4050	4		Conventional Steam Coal	SUB	ST
2019	1		KCP&L Greater Missouri Operations Co	Electric Utility	Lake Road (MO)	MO	2098	4		Conventional Steam Coal	SUB	ST
2019	1		KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	1		Conventional Steam Coal	SUB	ST
2019	1		KCP&L Greater Missouri Operations Co Sierra Pacific Power Co	Electric Utility Electric Utility	Sibley Brunswick	MO NV	2094 6510	2		Conventional Steam Coal	SUB	ST
2019	9		Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	1 2		Petroleum Liquids Petroleum Liquids	DFO	IC IC
2019	9		Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	3		Petroleum Liquids Petroleum Liquids	DFO	IC
2019 1	12	195	Alabama Power Co	Electric Utility	Barry	AL	3	1	138.0	Conventional Steam Coal	BIT	ST
	12		Alabama Power Co	Electric Utility	Barry	AL	3	2		Conventional Steam Coal	BIT	ST
	12		Alabama Power Co Alabama Power Co	Electric Utility Electric Utility	Gadsden Gadsden	AL AL	7	1 2		Conventional Steam Coal Conventional Steam Coal	BIT	ST
	12		El Paso Electric Co	Electric Utility	Newman Newman	TX	3456	1		Other Natural Gas	NG	ST
	12		El Paso Electric Co	Electric Utility	Newman	TX	3456	3		Other Natural Gas	NG	ST
2019 1	12	55951	Exelon Nuclear	IPP	Oyster Creek	NJ	2388	1	614.5	Nuclear	NUC	ST
	12		Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	1		Other Natural Gas	NG	ST
	12		Mississippi Power Co Mississippi Power Co	Electric Utility Electric Utility	Jack Watson Jack Watson	MS MS	2049 2049	3		Other Natural Gas Other Natural Gas	NG NG	ST
	12		Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	1		Petroleum Liquids	DFO	GT
	12		Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	2		Petroleum Liquids	DFO	GT
	12	13781	Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	3	36.0	Petroleum Liquids	DFO	GT
	12		Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	4		Petroleum Liquids	DFO	GT
	12		Northern States Power Co - Minnesota Northern States Power Co - Minnesota	Electric Utility Electric Utility	Saxon Falls Saxon Falls	WI	1756 1756	2		Conventional Hydroelectric Conventional Hydroelectric	WAT	HY
	12		Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	1		Other Natural Gas	NG	ST
2019 1	12		Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	2		Other Natural Gas	NG	ST
2020	1		The University of Texas at Dallas	Commercial	University of Texas at Dallas	TX	54607	GEN1		Other Natural Gas	NG	IC
	3		City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	1		Other Natural Gas	NG	ST
	11		Bloom Energy 2009 PPA Bloom Energy 2009 PPA	IPP	Caltech Central Caltech Central	CA	57460 57460	CL00 CL01		Other Waste Biomass Other Waste Biomass	OBG	FC FC
	11		Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL02	0.1	Other Waste Biomass	OBG	FC
	11		Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL03	0.1	Other Waste Biomass	OBG	FC
	11		Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL04		Other Waste Biomass	OBG	FC
	11		Bloom Energy 2009 PPA	IPP IPP	Caltech Central	CA	57460	CL05		Other Waste Biomass	OBG	FC FC
	11		Bloom Energy 2009 PPA Bloom Energy 2009 PPA	IPP	Caltech Central Caltech Central	CA	57460 57460	CL06 CL07	0.1	Other Waste Biomass Other Waste Biomass	OBG	FC
	11		Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL08		Other Waste Biomass	OBG	FC
2020 1	11		Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL09	0.1	Other Waste Biomass	OBG	FC
	11		Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL10		Other Waste Biomass	OBG	FC
	12		Los Angeles Department of Water & Power Los Angeles Department of Water & Power	Electric Utility Electric Utility	Scattergood	CA CA	404 404	1 2		Other Natural Gas Other Natural Gas	NG NG	ST
	12		NRG California South LP	IPP	Scattergood Coolwater	CA	329	30		Natural Gas Fired Combined Cycle	NG	CA
	12	15908	NRG California South LP	IPP	Coolwater	CA	329	31	73.0	Natural Gas Fired Combined Cycle	NG	СТ
	12		NRG California South LP	IPP	Coolwater	CA	329	32		Natural Gas Fired Combined Cycle	NG	CT
	12		NRG California South LP	IPP	Coolwater	CA	329	40		Natural Gas Fired Combined Cycle	NG	CA
	12		NRG California South LP NRG California South LP	IPP	Coolwater Coolwater	CA	329 329	41 42		Natural Gas Fired Combined Cycle Natural Gas Fired Combined Cycle	NG NG	CT
	12		Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	- 42		Conventional Steam Coal	SUB	ST
	12		Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	3		Conventional Steam Coal	SUB	ST
	12		Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	D1	0.2	Petroleum Liquids	DFO	IC
	12		Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	D2		Petroleum Liquids	DFO	IC
2020 1	12		Portland General Electric Co Southwestern Public Service Co	Electric Utility Electric Utility	Boardman Maddox	OR NM	6106 2446	2		Conventional Steam Coal Natural Gas Fired Combustion Turbine	SUB NG	ST
2020 1	12	17718	Southwestern Public Service Co	Electric Utility	Maddox	NM	2446	3	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2020 1	12	17718	Southwestern Public Service Co	Electric Utility	Nichols	TX	3484	1	107.0	Other Natural Gas	NG	ST
	12		Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	3		Other Natural Gas	NG	ST
	12		TransAlta Centralia Gen LLC Veolia Energy Trenton L.P	IPP Commercial	Transalta Centralia Generation Veolia Energy Trenton L.P.	WA NJ	3845 50094	7214		Conventional Steam Coal Other Natural Gas	SUB NG	ST
2020	1		Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	7214		Conventional Steam Coal	SUB	ST
2021	1	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	3	176.0	Conventional Steam Coal	SUB	ST
2021	5	58435	Collinwood BioEnergy	Industrial	Collinwood BioEnergy Facility	ОН	58439	CBE01	1.0	Other Waste Biomass	OBG	IC
	9		Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	2		Other Natural Gas	NG	ST
	12 12		Mississippi Power Co Mississippi Power Co	Electric Utility Electric Utility	Sweatt Sweatt	MS MS	2048 2048	1 2		Other Natural Gas Other Natural Gas	NG NG	ST
	12		Sierra Pacific Power Co	Electric Utility	North Valmy	NV	2048 8224	1		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
	9	177	AES Hawaii Inc	Electric CHP	AES Hawaii	HI	10673	GEN1		Conventional Steam Coal	BIT	ST
	12		Southwestern Public Service Co	Electric Utility	Cunningham	NM	2454	1		Other Natural Gas	NG	ST
2022 1	12		Southwestern Public Service Co City of Logan - (UT)	Electric Utility Electric Utility	Nichols Hydro III	TX UT	3484 3675	2 HY1		Other Natural Gas Conventional Hydroelectric	NG WAT	ST
2023	1		City of Logan - (UT)	Electric Utility	Hydro III	UT	3675	HY2		Conventional Hydroelectric	WAT	HY
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTA	21.7	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTB		Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTC		Natural Gas Fired Combined Cycle	NG	CT
2023 2023 1	12		Nevada Cogeneration Assoc # 1 Northern States Power Co - Minnesota	Electric CHP Electric Utility	Nevada Cogen Assoc#1 GarnetVly Bay Front	NV WI	54350 3982	STM 4		Natural Gas Fired Combined Cycle Wood/Wood Waste Biomass	NG WDS	CA ST
	12		Northern States Power Co - Minnesota Northern States Power Co - Minnesota	Electric Utility	Bay Front	WI	3982	5		Wood/Wood Waste Biomass	WDS	ST
2023 1	1		Northern States Power Co - Minnesota	Electric Utility	Bay Front	WI	3982	6		Conventional Steam Coal	SUB	ST
	12		North and Otatan Davis On Minanceta	Electric Utility	Cornell	WI	6086	1	6.2	Conventional Hydroelectric	WAT	HY
2023 1 2023 1	12		Northern States Power Co - Minnesota									
2023 1 2023 1 2023 1	12 12	13781	Northern States Power Co - Minnesota	Electric Utility	Cornell	WI	6086	2		Conventional Hydroelectric	WAT	HY
2023 1 2023 1 2023 1 2023 1	12 12 12	13781 13781	Northern States Power Co - Minnesota Northern States Power Co - Minnesota	Electric Utility Electric Utility	Cornell Cornell	WI	6086	3	6.9	Conventional Hydroelectric	WAT	HY
2023 1 2023 1 2023 1 2023 1 2023 1	12 12	13781 13781 13781	Northern States Power Co - Minnesota Northern States Power Co - Minnesota Northern States Power Co - Minnesota	Electric Utility Electric Utility Electric Utility	Cornell Cornell Cornell	WI WI	6086 6086		6.9 0.4	Conventional Hydroelectric Conventional Hydroelectric	WAT	
2023 1 2023 1 2023 1 2023 1 2023 1 2023 1	12 12 12 12	13781 13781 13781 13781	Northern States Power Co - Minnesota Northern States Power Co - Minnesota	Electric Utility Electric Utility	Cornell Cornell	WI	6086	3	6.9 0.4 9.0	Conventional Hydroelectric	WAT WAT WDS	HY
2023 1 2023 1 2023 1 2023 1 2023 1 2023 1 2023 1 2023 1 2023 1	12 12 12 12 12	13781 13781 13781 13781 13781 13781	Northern States Power Co - Minnesota Northern States Power Co - Minnesota Northern States Power Co - Minnesota Northern States Power Co - Minnesota	Electric Utility Electric Utility Electric Utility Electric Utility	Cornell Cornell Cornell French Island	WI WI	6086 6086 4005	3 4 1 2 3	6.9 0.4 9.0 8.0 61.0	Conventional Hydroelectric Conventional Hydroelectric Wood/Wood Waste Biomass	WAT WAT WDS WDS DFO	HY HY ST

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

											Energy	
				Plant Producer		Plant			Net Summer		Source	Mover
Year	Month		Entity Name			State	Plant ID	Generator ID	Capacity (MW)		Code	Code
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Granite City	MN	1910	1	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Granite City	MN	1910	2	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Granite City	MN	1910	3	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Granite City	MN	1910	4	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2023	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Horseshoe Lake	OK	2951	6	169.0	Other Natural Gas	NG	ST
2034	4	58944	Enerparc CA 1, LLC	IPP	Enerparc CA1 LLC	CA	59122	ECA11	1.5	Solar Photovoltaic	SUN	PV
2034	10	58976	Clenera Renewable Energy LLC	IPP	Lancaster Solar 2	CA	59169	LS2	1.5	Solar Photovoltaic	SUN	PV
2034	12	58976	Clenera Renewable Energy LLC	IPP	Avalon Solar	AZ	59168	AS	29.0	Solar Photovoltaic	SUN	PV
2036	7	2338	Calpine Central LP	IPP	Mankato Energy Center	MN	56104	CTG2	160.0	Natural Gas Fired Combined Cycle	NG	CT
2036	7	2338	Calpine Central LP	IPP	Mankato Energy Center	MN	56104	STG1		Natural Gas Fired Combined Cycle	NG	CA
2045	12	195	Alabama Power Co	Electric Utility	Holt Dam	AL	12	1	45.0	Conventional Hydroelectric	WAT	HY

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of capacity for some technologies such as solar photovoltaic generation. Entity ID and Plant ID are official, unique identification numbers assigned by EIA: Generator IDs are assigned by plant owners and/or operators.

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

Table 6.7.A. Capacity Factors for Utility Scale Generators Primarily Using Fossil Fuels, January 2013-January 2015

•		othing ocale oche		Jsing Fossil Fuel	S, January 2013	January 2013		
	Coal		Natura	ıl Gas			Petroleum	
Period		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								
2013	59.7%	48.2%	4.9%	10.6%	6.1%	12.1%	0.8%	2.2%
2014	60.9%	47.8%	4.8%	10.0%	NA	12.8%	1.1%	7.1%
2013								
January	61.2%	46.3%	3.6%	7.3%	4.6%	10.0%	0.7%	2.7%
February	60.6%	46.7%	3.4%	6.7%	4.7%	9.7%	0.4%	2.0%
March	57.7%	44.1%	4.0%	6.8%	5.7%	9.6%	0.3%	1.9%
April	51.3%	40.4%	4.3%	7.3%	6.1%	11.6%	0.6%	2.4%
May	52.9%	41.5%	4.5%	9.5%	5.2%	13.0%	0.7%	2.1%
June	63.4%	50.9%	5.1%	14.7%	6.9%	15.4%	0.8%	1.7%
July	67.9%	58.3%	8.5%	18.6%	8.4%	17.5%	2.1%	2.3%
August	66.3%	60.2%	6.8%	17.6%	8.5%	14.4%	0.9%	2.2%
Sept	61.2%	52.6%	5.6%	14.0%	6.7%	14.1%	1.3%	2.0%
October	54.4%	45.4%	3.9%	8.5%	5.5%	12.7%	0.7%	2.0%
November	56.2%	44.9%	3.9%	7.1%	4.5%	7.3%	0.6%	2.2%
December	63.7%	47.1%	4.6%	8.5%	6.1%	10.2%	0.7%	2.7%
2014								
January	70.9%	46.9%	6.4%	9.4%	NA	19.4%	3.7%	7.3%
February	71.6%	42.2%	4.2%	8.8%	NA	12.2%	0.8%	6.3%
March	61.4%	39.5%	4.4%	6.9%	NA	13.7%	1.1%	5.8%
April	50.9%	40.3%	3.4%	6.9%	NA	9.5%	0.5%	4.9%
May	53.8%	44.3%	4.8%	9.5%	NA	10.3%	0.7%	9.5%
June	64.5%	50.7%	5.1%	11.4%	NA	15.3%	1.0%	7.3%
July	68.0%	57.0%	5.8%	14.6%	NA	16.1%	1.1%	8.8%
August	67.5%	60.5%	6.1%	16.2%	NA	15.3%	1.5%	8.4%
Sept	59.2%	54.8%	5.2%	12.2%	NA	13.7%	0.8%	8.1%
October	50.8%	48.5%	4.7%	10.3%	NA	9.7%	0.8%	6.5%
November	56.1%	42.8%	4.1%	7.6%	NA	7.5%	0.9%	6.4%
December	56.8%	45.6%	3.3%	5.7%	NA	10.7%	0.5%	5.8%
2015								
January	62.0%	52.0%	3.8%	6.3%	NA	12.4%	0.6%	8.0%

Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. NA = Not Available

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.'

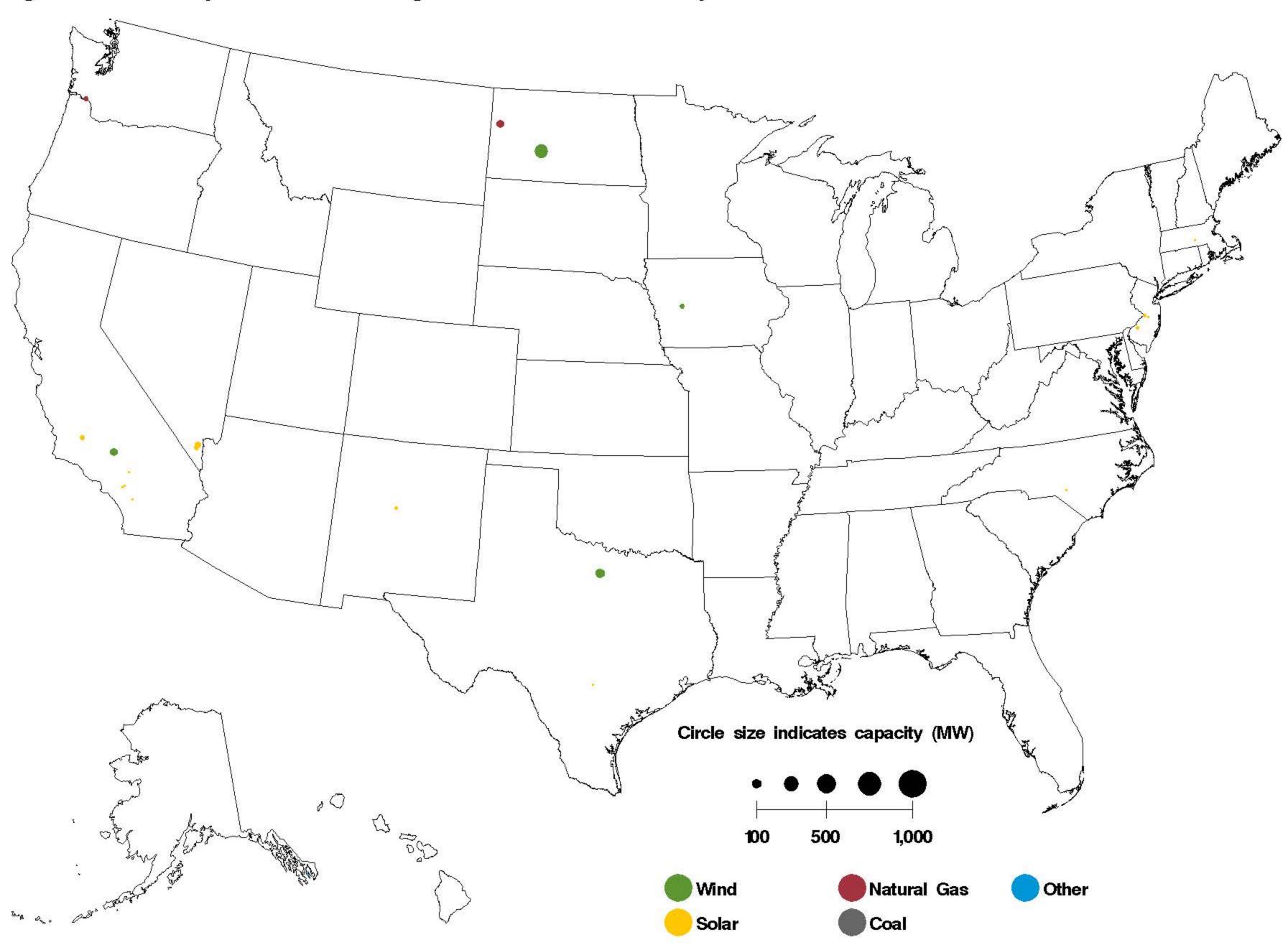
Table 6.7.B. Capacity Factors for Utility Scale Generators Not Primarily Using Fossil Fuels, January 2013-January 2015

Tubic ciribi cupi	don'y r doloro for	Othing Scale Gene	oratoro mot i mine	iny comg r coon	r dolo, dandary 2	Landfill Gas and		
		Conventional				Muncipal Solid	Other Biomass	
Period	Nuclear	Hydropower		Solar Photovoltaic	Solar Thermal		Including Wood	Geothermal
Annual Factors								
2013	89.9%	38.9%	32.4%	24.7%	17.4%	68.9%	56.7%	73.6%
2014	91.7%	37.5%	33.9%	27.8%	19.5%	68.9%	52.1%	68.8%
2013								
January	93.9%	42.3%	33.5%	13.8%	2.7%	66.0%	56.5%	76.9%
February	90.3%	38.3%	35.4%	19.3%	12.0%	65.2%	56.0%	76.1%
March	83.4%	34.8%	35.9%	22.9%	17.9%	69.0%	55.4%	76.8%
April	77.6%	44.4%	41.1%	24.7%	22.0%	66.9%	44.8%	73.3%
May	83.3%	48.4%	37.0%	25.9%	22.7%	70.4%	50.5%	71.7%
June	93.1%	48.3%	32.4%	29.2%	30.0%	71.0%	54.8%	72.4%
July	95.6%	46.8%	25.3%	27.3%	26.9%	71.1%	58.2%	73.3%
August	96.7%	37.2%	22.0%	29.1%	29.8%	71.9%	64.8%	72.5%
Sept	92.2%	29.9%	27.4%	30.2%	25.5%	69.4%	61.1%	73.6%
October	85.7%	29.2%	31.0%	27.8%	16.5%	66.6%	57.9%	74.7%
November	91.0%	31.1%	37.0%	22.2%	8.4%	69.5%	61.0%	68.8%
December	96.6%	35.9%	31.3%	21.2%	6.4%	69.9%	59.0%	73.0%
2014								
January	99.0%	36.3%	40.4%	21.2%	5.5%	63.6%	56.8%	67.9%
February	93.9%	32.5%	34.4%	22.3%	8.7%	61.4%	55.7%	67.3%
March	84.5%	41.3%	39.6%	29.1%	15.5%	69.2%	53.3%	67.6%
April	78.9%	44.6%	43.1%	32.2%	21.2%	68.9%	39.1%	68.7%
May	85.3%	45.3%	34.5%	34.0%	26.7%	70.9%	42.4%	68.4%
June	95.4%	45.8%	36.1%	35.3%	34.2%	70.5%	56.1%	68.7%
July	97.4%	41.9%	26.7%	32.3%	25.1%	72.4%	56.0%	67.8%
August	96.3%	33.9%	22.5%	31.9%	25.0%	72.0%	56.0%	68.0%
Sept	94.5%	28.0%	26.0%	32.0%	25.9%	69.7%	52.3%	69.3%
October	84.5%	29.0%	31.5%	26.7%	20.8%	68.5%	51.3%	69.1%
November	91.2%	33.0%	42.2%	23.4%	13.4%	71.4%	54.1%	72.2%
December	99.5%	38.4%	30.4%	15.6%	5.5%	68.4%	52.6%	70.4%
2015								
January	101.2%	41.9%	31.4%	18.9%	4.6%	67.4%	51.6%	74.1%

January 101.2% 41.9% 31.4% 18.9% 4.6% 67.4% 51.6% 74.1 Values for 2013 and prior years are final. Values for 2014 and 2015 are preliminary. NA = Not Available Notes: Solar Thermal Capacity Factors include generation from plants using concentrated solar power energy storage.

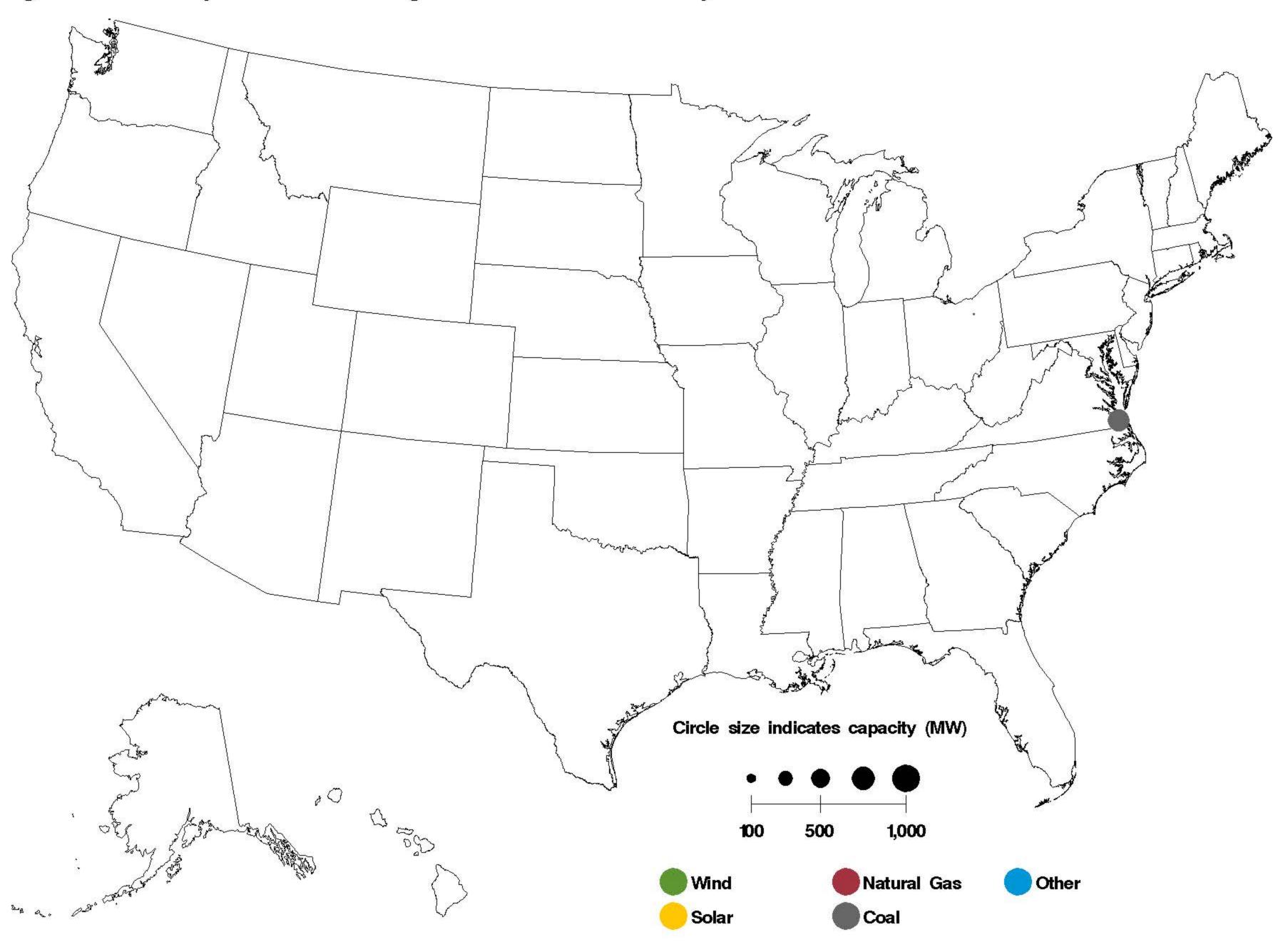
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.A. Utility Scale Generating Units Added in January 2015



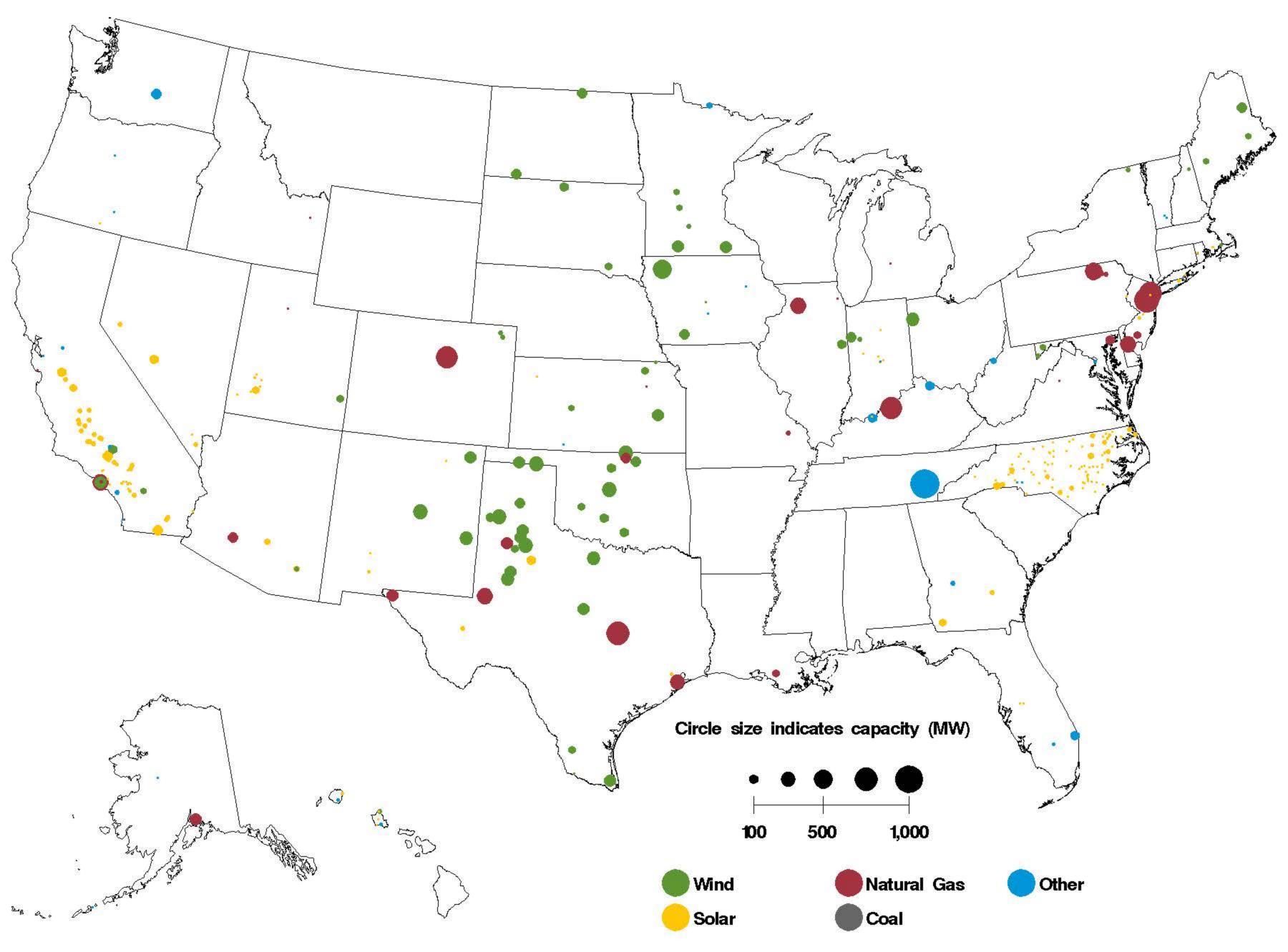
Sources: U.S. Energy Information Administration, Form EIA—860, 'Annual Electric Generator Report' and Form EIA—860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility Scale Generating Units Retired in January 2015



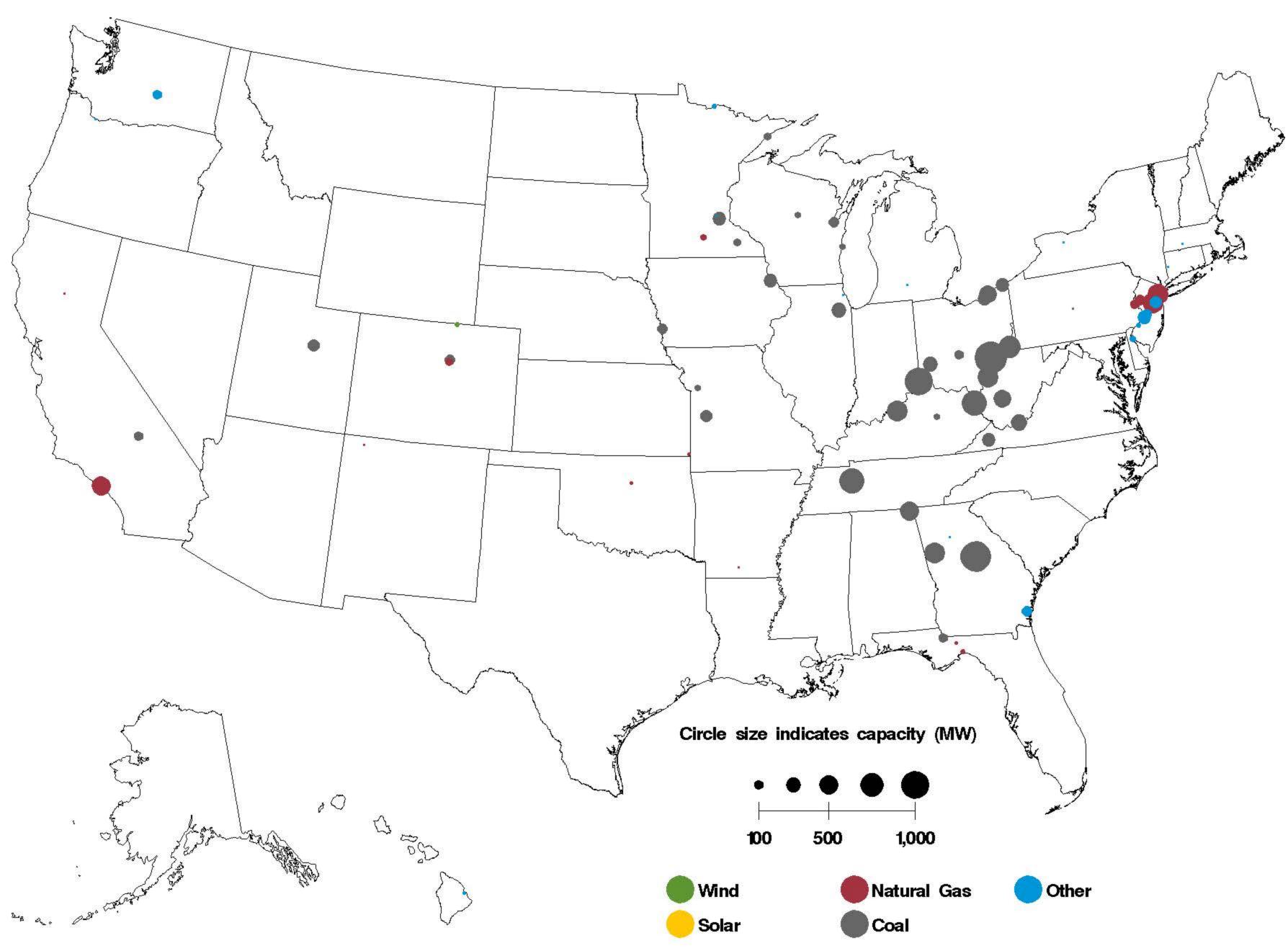
Sources: U.S. Energy Information Administration, Form EIA—860, 'Annual Electric Generator Report' and Form EIA—860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility Scale Generating Units Planned to Come Online from February 2015 to January 2016



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

Figure 6.1.D. Utility Scale Generating Units Planned to Retire from February 2015 to January 2016



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, January 2015

	ISUS DIVISION	and State, Jar Petroleum					Hydroelectric
Census Region and State	Coal	Liquids	Coke		Other Gases	Nuclear	•
New England	0	9	0	2	0	0	7
Connecticut	0	36	0	3	0	0	40
Maine	0	3	0	9	0	0	9
Massachusetts	0	20	0	4	0	0	21
New Hampshire	0	30	0	2	0	0	
Rhode Island	0	42	0		0	0	1
Vermont	0	567	0	0	0	0	22
Middle Atlantic	1	6			10		
New Jersey	0	15	123	3	28		1
New York	3	6	0		0		1
Pennsylvania	1	21	67	2	7		
East North Central	0	9	3		6		
Illinois	0	36	0		22		
Indiana	0	19	0		5		1
Michigan	3	7	10		11		
Ohio	1	18	3		14		
Wisconsin	0	7	0		0		
West North Central	1	13	81	5	59		1
lowa	3	47	81	11	0		
Kansas	0	17	0		0		
Minnesota	4	66	0		0		
Missouri	1	23	0		0		1
Nebraska Nerth Delete	3	40	0		0		1
North Dakota	2	12 93	0		59		
South Atlantia	0				0		
South Atlantic		5					
Delaware District of Columbia	0	8			0		
Florida	2	10	0		0		
Georgia	0	13	0		0		
Maryland	0	27	0		0		
North Carolina	1	11	0		0		
South Carolina	0	18	0		0		
Virginia	1	6			0		
West Virginia	0	0			0		
East South Central	0	24	0		24		
Alabama	1	52	0		25		
Kentucky	1	25	0		0		
Mississippi	0	51	0				
Tennessee	0	13	0		0		
West South Central	1	26	3		6		
Arkansas	0	0	0		0		
Louisiana	0	5	3		10	0	
Oklahoma	1	847	0		0		
Texas	1	93	30	1	7	0	
Mountain	1	10	0	2	3	0	
Arizona	0	4	0		0		
Colorado	0	111	0		0		
Idaho	60	719	0		0		
Montana	8	93	0	73	0	0	5
Nevada	0	1	0	2	0	0	3
New Mexico	0	17	0	5	0	0	92
Utah	2	72	0	6	0	0	
Wyoming	3	3	0	25	3	0	23
Pacific Contiguous	0	43	287	2	10	0	
California	7	30	287	2	12	. 0	
Oregon	0	1,405	0	1	0	0	2
Washington	0	73	0	7	0	0	
Pacific Noncontiguous	6	9	0	12	270	0	
Alaska	13	5	0	12	0	0	
Hawaii	7	10	0	0	270	0	
U.S. Total	0	4	2	0	4	0	1
		·	The Feedback	ersion of this table		•	

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

Total (All Sectors) by Census Division and State, January 2015 (Continued)

				Solar Thermal		Hydroelectric		
				and	Other	Pumped	Other Energy	All Energ
Census Region and State	Wind	Geothermal	Biomass	Photovoltaic	Renewables	Storage	Sources	Source
New England	0	0	0	26	2	0	6	
Connecticut	0	0	0	143	6	0	9	
Maine	0	0	0	0	2	0	16	
Massachusetts	0	0	0	28	8	0	8	
New Hampshire	0	0	0	0	8	0	49	
Rhode Island	0	0	0	163	14	0	0	
Vermont	0	0	0	89	9	0	0	
Middle Atlantic	0	0	0	23	2	0	5	
New Jersey	0	0	0	25	9	0	10	
New York	0	0	0	44	2	0	9	
Pennsylvania	0	0	0	77	2	0	6	
East North Central	0	0	0	36	1	0	8	
Illinois	0	0	0	85	1	0	25	
Indiana	0	0	0	46	2	0		
							3	
Michigan	0	0	0	0	2	0	14	
Ohio	0	0	0	82	5	0	0	
Wisconsin	0	0	0	0	5	0	40	
West North Central	0	0	0	140	1	0	14	
lowa	0	0	0	0	1	0	0	
Kansas	0	0	0	0	0	0	0	
Minnesota	0	0	0	328	2	0	17	
Missouri	0	0	0	154	3	0	0	
Nebraska	0	0	0	0	1	0	0	
North Dakota	0	0	0	0	1	0	67	
South Dakota	0	0	0	0	2	0	0	
South Atlantic	0	0	0	14	2	0	4	
Delaware	0	0	0	86	40	0	0	
District of Columbia	0	0	0	0	0	0	0	,
Florida	0	0	0	23	4	0	4	
Georgia	0	0	0	38	4	0	0	
Maryland	0	0	0	52	4	0	1	
North Carolina	0	0	0	17	7	0	27	
South Carolina	0	0	0	271	3	0	20	
	0	0	0		3	0	6	
Virginia				0				
West Virginia	0	0	0	0	0	0	0	
East South Central	0	0	0	67	5	0	4	
Alabama	0	0	0	0	8	0	0	
Kentucky	0	0	0	0	7	0	0	
Mississippi	0	0	0	0	5	0	187	
Tennessee	0	0	0	67	13	0	0	
West South Central	0	0	0	20	1	0	8	
Arkansas	0	0	0	0	5	0	0	
Louisiana	0	0	0	0	8	0	6	
Oklahoma	0	0	0	0	1	0	107	
Texas	0	0	0	20	1	0	13	
Mountain	0	4	0	5	1	0	9	
Arizona	0	0	0	6	5	0	0	
Colorado	0	0	0	27	1	0	63	
Idaho	0	51	0	0	9	0	0	
Montana	0	0	0	0	3	0	0	
Nevada	0	4	0	6	3	0	80	
New Mexico	0	176	0	22	7	0	654	
Utah	0	6	0	426	6	0	191	
	0	0	0	0	2	0	0	
Wyoming								
Pacific Contiguous	0	2	0	3	2	0	10	
California	0	3	0	3	2	0	11	
Oregon	0	0	0	113	5	0	66	
Washington	0	0	0	0	3	0	24	
Pacific Noncontiguous	0	0	0	85	11	0	0	
	0	0	0	0	41	0		
Alaska							0	
Hawaii	0	0	0	85	10	0	0	
U.S. Total	0	2	0	4	1	0	3	

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 January 2015

Census Region and State	Coal	Petroleum Liquids	Coke	Natural Gas	Other Gases	Nuclear	Hydroelec Conventio
New England	0	9	0	2	0		
Connecticut	0	36	0	3	0		
Maine	0	3	0	9	0		
Massachusetts	0	20	0	4	0		
New Hampshire	0	30	0	2	0		
Rhode Island	0	42	0	3	0		;
Vermont	0	567	0	0	0		
Middle Atlantic	1	6	59	1	10		
New Jersey	0	15	123	3	28	0	
New York	3	6	0	3	0	0	
Pennsylvania	1	21	67	2	7	0	
East North Central	0	9	3	1	6	0	
Illinois	0	36	0	4	22	0	
Indiana	0	19	0	2	5	0	
Michigan	3	7	10	4	11	0	
Ohio	1	18	3	1	14		
Wisconsin	0	7	0	2	0		
West North Central	1	13	81	5	59	0	
lowa	3	47	81	11	0		
Kansas	0	17	0	41	0		
Minnesota	4	66	0	7	0		
Missouri	1	23	0	6	0		
		40					
Nebraska	3		0	19	0		
North Dakota	2	12	0	228	59	0	
South Dakota	0	93	0	9			
South Atlantic	0	5	0	0	0		
Delaware	0	8	0	4	0		
District of Columbia	0	0	0	193	0		
Florida	2	10	0	1	0		
Georgia	0	13	0	0			
Maryland	0	27	0	23	0		
North Carolina	1	11	0	1	0	0	
South Carolina	0	18	0	1	0	0	
Virginia	1	6	0	2	0	0	
West Virginia	0	0	0	9	0	0	
East South Central	0	24	0	1	24	0	
Alabama	1	52	0	1	25	0	
Kentucky	1	25	0	8	0	0	
Mississippi	0	51	0	0	0	0	
Tennessee	0	13	0	3	0	0	
West South Central	1	26	3	1	6		
Arkansas	0	0	0	1	0		
Louisiana	0	5	3	1	10		
Oklahoma	1	847	0	1	0		
Texas	1	93	30	1	7	0	
Mountain	1	10	0	2	3		
Arizona	0	4	0	1	0		
Colorado	0	111	0	2	0		
Idaho	60	719	0	3	0		
			0		0		
Montana	8	93	0	73			
Nevada	-						
New Mexico	0	17	0	5	0		-
Utah	2	72	0	6			
Wyoming	3	3	0	25	3		
Pacific Contiguous	0	43	287	2			
California	7	30	287	2			
Oregon	0	1,405	0	1	0		
Washington	0	73	0	7	0		
Pacific Noncontiguous	6	9	0	12	270		
Alaska	13	5	0	12	0	0	
Hawaii	7	10	0	0	270	0	
			2	0		0	

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 January 2015 (Continued)

Census Region and State Wind Geothermal Silomass Photovoltata Renewables Storage	Total (All Sectors) by Cer	ISUS DIVISION	and State, Te	ar-to-Date till	Solar Thermal	2013 (COIILIII	Hydroelectric		
Consus Region and State						Other		Other Energy	All Energy
New England 0	Census Region and State	Wind	Geothermal	Biomass					
Connecticul O O O O O O O O O									1
Massachusetts	-	0	0	0	143	6	0	9	1
New Harrpshire 0		0	0	0		2	0	16	3
New Harrpshire 0		0	0	0		8	0		2
Rhode Bland									1
Middle Attentic		0							3
Middle Atlantic									13
New Servoy									
New York									1
PetrnsyAmaia									1
East North Central 0									1
Illinois 0									Ò
Michigan 0 0 0 0 0 0 0 0 0									0
Mehigan									0
Child Chil									1
West North Central 0									1
West North Central 0 0 0 140 1 0 14 1 1 1 1 1 1 1 1									0
New Name N					_				1
Minnesota 0									1
Minisouri									2
Missouri									1
Nebraska O									2
North Dakota									1
South Dakota O O O O O O O O O									2
South Atlantic									2
Delaware									1
District of Columbia	South Atlantic								
Florida	Delaware	0			86	40	0	0	
Georgia O O O O Sa 4 O O O O	District of Columbia	0	0	0	0	0	0	0	193
Maryland 0 0 0 52 4 0 1 1 1 North Carolina 0 0 0 0 17 7 0 27 1 1 South Carolina 0 0 0 0 271 3 0 20 0 0 1 West Virginia 0 0 0 0 0 0 0 0 0	Florida	0	0	0	23	4	0	4	1
North Carolina	Georgia	0	0	0	38	4	0	0	0
South Carolina 0 0 0 271 3 0 20 0 0 0 Wirginia 0 0 0 0 0 0 3 0 6 1 0 0 0 0 0 0 0 0 0	Maryland	0	0	0	52	4	0	1	1
Virginia 0<	North Carolina	0	0	0	17	7	0	27	1
Mest Virginia	South Carolina	0	0	0	271	3	0	20	0
East South Central	Virginia	0	0	0	0	3	0	6	1
Alabama	West Virginia	0	0	0	0	0	0	0	0
Kentucky	East South Central	0	0	0	67	5	0	4	0
Mississippi	Alabama	0	0	0	0	8	0	0	1
Tennessee	Kentucky	0	0	0	0	7	0	0	1
West South Central 0 0 0 20 1 0 8 0 Arkansas 0 0 0 0 5 0 0 0 Louisiana 0 0 0 0 0 8 0 6 1 Oklahoma 0 0 0 0 1 0 107 1 Texas 0 0 0 20 1 0 107 1 Mountain 0 4 0 5 1 0 9 1 Arizona 0 0 0 6 5 0 0 0 0 Colorado 0 0 0 27 1 0 63 1 Idaho 0 51 0 0 9 0 0 5 Montana 0 0 0 0 3 0 0 0 5 <	Mississippi	0	0	0	0	5	0	187	0
Arkansas 0 0 0 0 5 0 0 0 Louisiana 0 0 0 0 0 0 6 1 Oklahoma 0 0 0 0 1 0 107 1 Texas 0 0 0 0 1 0 107 1 Mountain 0 4 0 5 1 0 9 1 Arizona 0 0 0 6 5 0 0 0 Colorado 0 0 0 27 1 0 63 11 Idaho 0 51 0 0 9 0 0 5 Montana 0 0 0 0 3 0 0 5 Morada 0 4 0 6 3 0 80 1 New Mexico 0 176 <td>Tennessee</td> <td>0</td> <td>0</td> <td>0</td> <td>67</td> <td>13</td> <td>0</td> <td>0</td> <td>1</td>	Tennessee	0	0	0	67	13	0	0	1
Louisiana	West South Central	0	0	0	20	1	0	8	0
Louisiana	Arkansas	0	0	0	0	5	0	0	0
Oklahoma 0 0 0 0 1 0 107 1 Texas 0 0 0 20 1 0 13 1 Mountain 0 4 0 5 1 0 9 1 Arizona 0 0 0 6 5 0 0 0 Colorado 0 0 0 27 1 0 63 1 Idaho 0 51 0 0 9 0 0 55 Montana 0 0 0 0 9 0 0 55 Montana 0 0 0 0 3 0 0 55 Montana 0 0 0 0 3 0 0 0 Nevada 0 4 0 6 3 0 80 1 New Mexico 0 176 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td>									1
Texas 0 0 0 20 1 0 13 1 Mountain 0 4 0 5 1 0 9 1 Arizona 0 0 0 6 5 0 0 0 Colorado 0 0 0 27 1 0 63 1 Idaho 0 51 0 0 9 0 0 5 Montana 0 0 0 0 0 3 0 0 5 Nevada 0 4 0 6 3 0 80 11 New Mexico 0 176 0 22 7 0 654 11 Uth 0 6 0 426 6 0 191 2 Wyoming 0 0 0 0 2 0 10 1 California 0<									1
Mountain									1
Arizona 0 0 0 6 5 0 0 0 Colorado 0 0 0 27 1 0 63 1 Idaho 0 51 0 0 9 0 0 5 Montana 0 0 0 0 3 0 0 5 Morada 0 4 0 6 3 0 80 1 New Mexico 0 176 0 22 7 0 654 1 Utah 0 6 0 426 6 0 191 2 Wyoming 0 0 0 0 2 0 0 3 Pacific Contiguous 0 2 0 3 2 0 10 1 California 0 3 0 3 2 0 11 2 Oregon 0									1
Colorado 0 0 0 27 1 0 63 1 Idaho 0 51 0 0 9 0 0 5 Montana 0 0 0 0 3 0 0 5 Nevada 0 4 0 6 3 0 80 1 New Mexico 0 176 0 22 7 0 654 1 Utah 0 6 0 426 6 0 191 2 Wyoming 0 0 0 0 2 0 0 191 2 Pacific Contiguous 0 2 0 3 2 0 10 1 2 Oregon 0 0 0 113 5 0 66 1 Washington 0 0 0 3 0 2 1 1				_					0
Idaho									1
Montana 0 0 0 0 3 0 0 5 Nevada 0 4 0 6 3 0 80 1 New Mexico 0 176 0 22 7 0 654 1 Utah 0 6 0 426 6 0 191 2 Wyoming 0 0 0 0 2 0 0 3 2 0 10 1 2 Pacific Contiguous 0 2 0 3 2 0 10 1 2 California 0 3 0 3 2 0 11 2 0 11 2 Oregon 0 0 0 0 113 5 0 66 1 Washington 0 0 0 3 0 24 1 Pacific Noncontiguous 0 <									5
Nevada 0 4 0 6 3 0 80 1 New Mexico 0 176 0 22 7 0 654 1 Utah 0 6 0 426 6 0 191 2 Wyoming 0 0 0 0 2 0 0 191 2 Pacific Contiguous 0 2 0 3 2 0 10 1 3 California 0 3 0 3 2 0 11 2 Oregon 0 0 0 113 5 0 66 1 Washington 0 0 0 0 3 0 24 1 Pacific Noncontiguous 0 0 0 85 11 0 0 5 Alaska 0 0 0 41 0 0 7									5
New Mexico 0 176 0 22 7 0 654 1 Utah 0 6 0 426 6 0 191 2 Wyoming 0 0 0 0 2 0 0 3 Pacific Contiguous 0 2 0 3 2 0 10 1 California 0 3 0 3 2 0 11 2 Oregon 0 0 0 113 5 0 66 1 Washington 0 0 0 0 3 0 24 1 Pacific Noncontiguous 0 0 0 85 11 0 0 5 Alaska 0 0 0 41 0 0 7 Hawaii 0 0 0 85 10 0 0 7 U.S. Total 0									1
Utah 0 6 0 426 6 0 191 2 Wyoming 0 0 0 0 2 0 0 3 Pacific Contiguous 0 2 0 3 2 0 10 1 California 0 3 0 3 2 0 11 2 Oregon 0 0 0 113 5 0 66 1 Washington 0 0 0 0 3 0 24 1 Pacific Noncontiguous 0 0 0 85 11 0 0 5 Alaska 0 0 0 85 11 0 0 7 Hawaii 0 0 85 10 0 0 7 U.S. Total 0 2 0 4 1 0 3 0									1
Wyoming 0 0 0 0 2 0 0 3 Pacific Contiguous 0 2 0 3 2 0 10 1 California 0 3 0 3 2 0 11 2 Oregon 0 0 0 113 5 0 66 1 Washington 0 0 0 0 3 0 24 1 Pacific Noncontiguous 0 0 0 85 11 0 0 5 Alaska 0 0 0 85 11 0 0 7 Hawaii 0 0 85 10 0 0 7 U.S. Total 0 2 0 4 1 0 3 0									2
Pacific Contiguous 0 2 0 3 2 0 10 1 California 0 3 0 3 2 0 11 2 Oregon 0 0 0 113 5 0 66 1 Washington 0 0 0 3 0 24 1 Pacific Noncontiguous 0 0 0 85 11 0 0 5 Alaska 0 0 0 41 0 0 7 Hawaii 0 0 85 10 0 0 7 U.S. Total 0 2 0 4 1 0 3 0									
California 0 3 0 3 2 0 11 2 Oregon 0 0 0 0 113 5 0 66 1 Washington 0 0 0 0 3 0 24 1 Pacific Noncontiguous 0 0 0 85 11 0 0 5 Alaska 0 0 0 41 0 0 7 Hawaii 0 0 85 10 0 0 7 U.S. Total 0 2 0 4 1 0 3 0									
Oregon 0 0 0 113 5 0 66 1 Washington 0 0 0 0 3 0 24 1 Pacific Noncontiguous 0 0 0 85 11 0 0 5 Alaska 0 0 0 41 0 0 7 Hawaii 0 0 85 10 0 0 7 U.S. Total 0 2 0 4 1 0 3 0									
Washington 0 0 0 0 3 0 24 1 Pacific Noncontiguous 0 0 0 85 11 0 0 5 Alaska 0 0 0 0 41 0 0 7 Hawaii 0 0 0 85 10 0 0 7 U.S. Total 0 2 0 4 1 0 3 0									
Pacific Noncontiguous 0 0 0 85 11 0 0 5 Alaska 0 0 0 0 41 0 0 7 Hawaii 0 0 0 85 10 0 0 7 U.S. Total 0 2 0 4 1 0 3 0									
Alaska 0 0 0 0 41 0 0 7 Hawaii 0 0 0 85 10 0 0 7 U.S. Total 0 2 0 4 1 0 3 0									
Hawaii 0 0 0 85 10 0 0 7 U.S. Total 0 2 0 4 1 0 3 0									
U.S. Total 0 2 0 4 1 0 3 0									
			_						

Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, January 2015

Electric Utilities by Censi	as Division an	Petroleum	Petroleum				Hydroelectric
Census Region and State	Coal	Liquids	Coke	Natural Gas	Other Gases	Nuclear	Conventional
New England	0	51	0	0		0	
Connecticut	0	187	0	0	0	0	132
Maine	0	206	0	0	0	0	0
Massachusetts	0	117	0	0	0	0	49
New Hampshire	0	36	0	0	0	0	14
Rhode Island	0	43	0	0	0	0	0
Vermont	0	877	0	0	0	0	38
Middle Atlantic	426	5	0	6	0	0	1
New Jersey	0	3,708	0	278	0	0	0
New York	426	5	0	6	0	0	1
Pennsylvania	0	222	0	1,354	0	0	9
East North Central	1	10	0	1	0	0	
Illinois	0	111	0	16	0	0	117
Indiana	0	13	0	1	0	0	
Michigan	3	7	0	3		0	
Ohio	1	23	0	1	0		
Wisconsin	0	6	0	4	0	0	
West North Central	1	12	0	5			
lowa	3	49	0	10	0		
Kansas	0	17	0	45	0		
Minnesota	4	45	0	6	0	0	
Missouri	1	23	0	6			
Nebraska	3	40	0	0		0	
North Dakota	2	11	0	0		0	
South Dakota	0	98	0	9			
South Atlantic	0	4	0	0			
Delaware	0	4,467	0	383	0	0	
Florida	2	8	0	1	0	0	
Georgia	0	9	0	0			_
Maryland	0	130	0	0		0	
North Carolina	0	10	0	1	0		
South Carolina	0	18	0	0			
Virginia	0	3	0	3			
West Virginia	0	0	0	0			
East South Central	0	8	0	1	0		
Alabama	1	0	0	4		0	
Kentucky	1	25	0	0	0	0	
Mississippi	0	54	0	0		0	
Tennessee	0	0	0	0	0	0	
West South Central	0	4	0	1	0	0	
Arkansas	0	1	0	0			_
Louisiana	0	6	0	1	0		
Oklahoma	0	159	0	0			
Texas	0	1	0	2			
Mountain	1	8	0	1			
Arizona	0	4	0	0			
Colorado	0	97	0	0			
Idaho	0	719	0	4	0	0	_
Montana	191	219	0	76		_	_
Nevada New Maying	0	1	0	0		0	
New Mexico	0	13	0	6			
Utah	1	53	0	3			
Wyoming Pacific Continuous	3 0	3 33	0	228 2	0		
Pacific Contiguous							
California	0	11	0	3			
Oregon	0	0	0	0			
Washington	0		0	7			
Pacific Noncontiguous	0		0	12			
Alaska	0		0	12			
Hawaii	0		0	0			
U.S. Total Displayed values of zero may represent the control of t		4	0	0		0	

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

Electric Utilities by Census Division and State, January 2015 (Continued)

Electric Utilities by Cens				Solar Thermal		Hydroelectric		
				and	Other	Pumped	Other Energy	All Energy
Census Region and State	Wind	Geothermal	Biomass	Photovoltaic	Renewables	Storage	Sources	Sources
New England	0	0	0	191	5		0	
Connecticut	0	0			0		0	
Maine	0	0					0	
	0	0			75	0	0	
Massachusetts								
New Hampshire	0	0					0	
Rhode Island	0	0			0		0	
Vermont	0	0	0	0	0	0	0	15
Middle Atlantic	0	0	0	73	73	0	0	2
New Jersey	0	0	0	73	73	0	0	20
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	9
East North Central	0	0			3		8	
Illinois	0	0			183	_	0	
Indiana	0	0			16		0	
Michigan	0	0			5		189	
Ohio	0	0			85	0	0	
Wisconsin	0	0	0	0	1	0	0	1
West North Central	0	0	0	0	1	0	10	1
lowa	0	0	0	0	1	0	0	2
Kansas	0	0					0	
Minnesota	0	0					0	
Missouri	0						0	
		0						
Nebraska	0	0				0	0	2
North Dakota	0	0					67	2
South Dakota	0	0	0	0	2	0	0	1
South Atlantic	0	0	0	19	2	0	0	0
Delaware	0	0	0	214	214	0	0	303
Florida	0	0			6		0	
Georgia	0	0			182	0	0	
	0					0	0	
Maryland		0			208			
North Carolina	0	0			243	0	0	
South Carolina	0	0			7		0	
Virginia	0	0	0	0	0	0	0	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	0	0	0	0	29	0	0	0
Alabama	0	0	0	0	0	0	0	1
Kentucky	0	0	0	0	29	0	0	1
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	0	0	0	0	0
Texas	0	0	0	0	0	0	0	1
Mountain	0	0	0	19	2	0	80	1
Arizona	0	0	0	19	18	0	0	0
Colorado	0	0			18		0	
Idaho	0	0			8		0	
Montana	0	0					0	
					_			
Nevada	0	0					80	
New Mexico	0	0						
Utah	0	0					0	
Wyoming	0	0	0	0	1	0	0	3
Pacific Contiguous	0	0	0	29	2	0	0	1
California	0	0						
Oregon	0	0			5		0	
•	0	0					0	
Washington								
Pacific Noncontiguous	0	0			41			
Alaska	0	0					0	
Hawaii	0	0			25	0	0	
U.S. Total	0	0	0	15	1	0	6	0
				ersion of this tab				

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 January 2015

	lydroelectri conventiona 1 1 3 4 1 3
New England	1 13 4 1 3
Connecticut	13 4 1 3
Maine 0 206 0 0 0 0 Massachusetts 0 1177 0 0 0 0 New Hampshire 0 36 0 0 0 0 Rhode Island 0 43 0 0 0 0 Vermont 0 877 0 0 0 0 Vermont 426 5 0 6 0 0 New Jersey 0 3,708 0 278 0 0 New York 426 5 0 6 0 0 0 New York 426 5 0 6 0 0 0 0 East North Central 1 10 0 1 0	3
Massachusetts 0 117 0 0 0 New Hampshire 0 36 0 0 0 0 Rhode Island 0 43 0 0 0 0 Vermont 0 877 0 0 0 0 Middle Atlantic 426 5 0 6 0 0 New York 426 5 0 6 0 0 Pennsylvania 0 222 0 1,354 0 0 Pennsylvania 0 222 0 1,354 0 0 East North Central 1 10 0 1 0 0 Illinois 0 111 0 16 0 0 Illinois 0 111 0 16 0 0 Illinois 0 11 0 1 0 0 Wiscossin 3 7 0	3
New Hampshire	3
Rhode Island Vermont O 877 O O O O O O O O O	1
Vermont 0 877 0 0 0 Middle Atlantic 426 5 0 6 0 0 New York 426 5 0 6 0 0 New York 426 5 0 6 0 0 Pennsylvania 0 222 0 1,354 0 0 Pennsylvania 0 222 0 1,354 0 0 East North Central 1 10 0 1 0 0 Illinois 0 111 0 16 0 0 Illinois 0 111 0 16 0 0 Michigan 3 7 0 3 0 0 Michigan 3 7 0 3 0 0 Ohio 1 23 0 1 0 0 West North Central 1 12 0	1
Middle Atlantic 426 5 0 6 0 0 New Jersey 0 3,708 0 278 0 0 New York 426 5 0 6 0 0 Pennsylvania 0 222 0 1,354 0 0 Pennsylvania 0 222 0 1,354 0 0 0 East North Central 1 10 0 1 0 0 0 Illinois 0 1111 0 16 0 0 0 Indiana 0 13 0 1 0 0 0 Michigan 3 7 0 3 0 0 0 Wisconsin 0 6 0 4 0 0 0 West North Central 1 12 0 5 0 0 0 Iowa 3 49 0	1
New Jersey	1
New York	1
Pennsylvania	1
East North Central	1
Illinois 0	
Indiana	
Michigan 3 7 0 3 0 0 Ohio 1 23 0 1 0 0 Wisconsin 0 6 0 4 0 0 West North Central 1 12 0 5 0 0 Iowa 3 49 0 10 0 0 0 Kansas 0 17 0 45 0 0 0 Minnesota 4 45 0 6 0 0 0 Missouri 1 23 0 6 0 0 0 Mebraska 3 40 0 0 0 0 0 North Dakota 2 11 0 0 0 0 0 South Dakota 0 98 0 9 0 0 0 South Atlantic 0 4 0 0 0	1
Ohio 1 23 0 1 0 0 Wisconsin 0 6 0 4 0 0 West North Central 1 12 0 5 0 0 Iowa 3 49 0 10 0 0 Kansas 0 17 0 45 0 0 Minnesota 4 45 0 6 0 0 Missouri 1 23 0 6 0 0 Nebraska 3 40 0 0 0 0 North Dakota 2 11 0 0 0 0 South Dakota 2 11 0 0 0 0 South Dakota 0 98 0 9 0 0 South Dakota 0 4 0 0 0 0 South Atlantic 0 4 0	2
Wisconsin 0 6 0 4 0 0 West North Central 1 12 0 5 0 0 Iowa 3 49 0 10 0 0 Kansas 0 17 0 45 0 0 Minnesota 4 45 0 6 0 0 Missouri 1 23 0 6 0 0 Nebraska 3 40 0 0 0 0 North Dakota 2 11 0 0 0 0 South Dakota 0 98 0 9 0 0 South Atlantic 0 4 0 0 0 0 Delaware 0 4,467 0 383 0 0 Georgia 0 9 0 0 0 0 Georgia 0 9 0 <t< td=""><td>3</td></t<>	3
West North Central 1 12 0 5 0 0 Iowa 3 49 0 10 0 0 Kansas 0 17 0 45 0 0 Minnesota 4 45 0 6 0 0 Missouri 1 23 0 6 0 0 Nebraska 3 40 0 0 0 0 North Dakota 2 11 0 0 0 0 South Dakota 0 98 0 9 0 0 South Atlantic 0 4 0 0 0 0 Delaware 0 4,467 0 383 0 0 Georgia 0 9 0 0 0 Georgia 0 9 0 0 0 Maryland 0 130 0 0 0 <	2
Iowa 3 49 0 10 0 0	
Kansas 0 17 0 45 0 0 Minnesota 4 45 0 6 0 0 Missouri 1 23 0 6 0 0 Nebraska 3 40 0 0 0 0 North Dakota 2 11 0 0 0 0 0 South Dakota 0 98 0 9 0	3
Minnesota 4 45 0 6 0 0 Missouri 1 23 0 6 0 0 Nebraska 3 40 0 0 0 0 North Dakota 2 111 0 0 0 0 South Dakota 0 98 0 9 0 0 0 South Atlantic 0 4 0 0 0 0 0 Delaware 0 4,467 0 383 0 0 0 Florida 2 8 0 1 0 0 0 Georgia 0 9 0 0 0 0 0 Maryland 0 130 0 0 0 0 0 North Carolina 0 10 0 0 0 0 0	
Missouri 1 23 0 6 0 0 Nebraska 3 40 0 0 0 0 0 North Dakota 2 11 0 0 0 0 0 South Dakota 0 98 0 9 0 0 0 South Atlantic 0 4 0 0 0 0 0 0 Delaware 0 4,467 0 383 0	5
Nebraska 3 40 0 0 0 0 North Dakota 2 11 0 0 0 0 South Dakota 0 98 0 9 0 0 South Atlantic 0 4 0 0 0 0 Delaware 0 4,467 0 383 0 0 Florida 2 8 0 1 0 0 Georgia 0 9 0 0 0 0 Maryland 0 130 0 0 0 0 North Carolina 0 10 0 1 0 0 South Carolina 0 18 0 0 0 0	1
North Dakota 2 11 0 0 0 0 South Dakota 0 98 0 9 0 0 South Atlantic 0 4 0 0 0 0 Delaware 0 4,467 0 383 0 0 Florida 2 8 0 1 0 0 Georgia 0 9 0 0 0 0 Maryland 0 130 0 0 0 0 North Carolina 0 10 0 1 0 0 South Carolina 0 18 0 0 0 0	2
South Dakota 0 98 0 9 0 0 South Atlantic 0 4 0 0 0 0 Delaware 0 4,467 0 383 0 0 Florida 2 8 0 1 0 0 Georgia 0 9 0 0 0 0 0 Maryland 0 130 0 0 0 0 0 North Carolina 0 10 0 1 0 0 South Carolina 0 18 0 0 0 0	
South Atlantic 0 4 0 0 0 Delaware 0 4,467 0 383 0 0 Florida 2 8 0 1 0 0 Georgia 0 9 0 0 0 0 Maryland 0 130 0 0 0 0 North Carolina 0 10 0 1 0 0 South Carolina 0 18 0 0 0 0	
Delaware 0 4,467 0 383 0 0 Florida 2 8 0 1 0 0 Georgia 0 9 0 0 0 0 Maryland 0 130 0 0 0 0 North Carolina 0 10 0 1 0 0 South Carolina 0 18 0 0 0 0	
Florida 2 8 0 1 0 0 Georgia 0 9 0 0 0 0 Maryland 0 130 0 0 0 0 North Carolina 0 10 0 1 0 0 South Carolina 0 18 0 0 0 0	
Georgia 0 9 0 0 0 0 Maryland 0 130 0 0 0 0 North Carolina 0 10 0 1 0 0 South Carolina 0 18 0 0 0 0	5
Maryland 0 130 0 0 0 0 North Carolina 0 10 0 1 0 0 South Carolina 0 18 0 0 0 0	
North Carolina 0 10 0 1 0 0 South Carolina 0 18 0 0 0 0	
South Carolina 0 18 0 0 0 0	
	1
	1
West Virginia 0 0 0 0 0 0 0	3
East South Central 0 8 0 1 0 0	
Alabama 1 0 0 4 0 0	
Kentucky 1 25 0 0 0 0	
Mississippi 0 54 0 0 0 0	
Tennessee 0 0 0 0 0 0	
West South Central 0 4 0 1 0 0	
Arkansas 0 1 0 0 0 0	
Louisiana 0 6 0 1 0 0 Oklahoma 0 159 0 0 0 0	1
Texas 0 1 0 2 0 0	2
Mountain 1 8 0 1 0 0	
Arizona 0 4 0 0 0 0	
Colorado 0 97 0 0 0 0	1
Montana 191 219 0 76 0 0 Nevada 0 1 0 0 0 0	
New Mexico 0 13 0 6 0 0 Utah 1 53 0 3 0 0	9
	2
Wyoming 3 3 0 228 0 0 Pacific Contiguous 0 33 0 2 0 0	
Pacific Contiguous 0 33 0 2 0 0 California 0 11 0 3 0 0	
ů	
Washington 0 381 0 7 0 0 Pacific Newsorthway 0 38 0 43 0 <	
Pacific Noncontiguous 0 8 0 12 0 0	
Alaska 0 5 0 12 0 0	1
Hawaii 0 9 0 0 0 0	1
U.S. Total 0 4 0 0 0 0 0 splayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may	1

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 January 2015 (Continued)

Census Region and State	Electric Utilities by Cens		,		Solar Thermal		Hydroelectric	Other Energy	All Engrave
New England 0 0 0 0 0 0 0 0 0	Census Region and State	Wind	Geothermal	Biomass	and Photovoltaic		Pumped Storage	Other Energy Sources	All Energy Sources
Massa Chusetts	<u>-</u>								
Messachusetts	Connecticut	0	0	0	0	0	0	0	113
New Hampshire 0	Maine	0	0	0	0	0	0	0	206
Rhode Island O	Massachusetts	0	0	0	191	75	0	0	37
Vermont 0 0 0 0 0 0 0 0 0	New Hampshire	0	0	0	0	0	0	0	1
Middle Atlantic	Rhode Island	0	0	0	0	0	0	0	43
New York New York	Vermont	0	0	0	0	0	0	0	15
New York	Middle Atlantic	0	0	0	73	73	0	0	
Pennsylvania	New Jersey								
East North Central 0									1
Illinois						_			1
Indiana	East North Central								
Michigan 0 0 0 0 0 5 0 189 2									
Ohio O O O C42 85 O O									
West North Central 0									2
West North Central 0 0 0 1 0 10 1 0 10 1 0									
Investable Color Color									
Managed									
Minsouri 0 0 0 0 3 0 0 0 1									
Messouri 0 0 0 43 0 0 Nebraska 0 0 0 0 0 0 0 North Dakota 0 0 0 0 2 0 0 7 South Atlantic 0 0 0 0 19 2 0									
Nebraska									
North Dakota									
South Dakots									
South Atlantic 0									
Delaware									
Florida									
Georgia O O O O 182 182 O O O Manyland O O O O O 208 208 O O O Manyland O O O O O O O O South Carolina O O O O O O O O Suth Carolina O O O O O O O O O Wignia O O O O O O O O O									
Maryland									
North Carolina	*								
South Carolina O O O O O O O O O									
Virginia 0 0 0 0 0 0 0 0 0									
West Virginia									
East South Central									
Alabama									
Kentucky									1
Mississippi									1
Tennessee	•								
West South Central 0									
Arkansas 0<		0	0	0	0	0	0	0	0
Oklahoma 0<		0				0	0	0	
Oklahoma 0<									
Mountain 0 0 19 2 0 80 1 Arizona 0 0 0 19 18 0		0			0	0	0	0	0
Arizona 0 0 0 19 18 0	Texas	0	0	0	0	0	0	0	1
Colorado 0 0 0 18 0 0 Idaho 0 <	Mountain	0	0	0	19	2	0	80	1
Idaho	Arizona	0	0			18	0	0	0
Montana 0 0 0 0 0 0 0 12 Nevada 0 <	Colorado	0	0	0	0	18	0	0	1
Nevada 0 0 0 0 0 80 0 New Mexico 0 0 0 0 66 66 0 654 654 Utah 0 <td>Idaho</td> <td>0</td> <td>0</td> <td></td> <td></td> <td>8</td> <td>0</td> <td></td> <td>1</td>	Idaho	0	0			8	0		1
New Mexico 0 0 0 66 66 0 654 Utah 0 0 0 0 0 0 0 0 Wyoming 0 0 0 0 1 0 0 0 Pacific Contiguous 0 0 0 29 2 0 0 0 California 0 0 0 30 5 0 0 2 Oregon 0 0 0 237 5 0 0 2 Washington 0 0 0 0 1 0 0 0 Pacific Noncontiguous 0 0 0 124 41 0 0 6 Alaska 0 0 0 0 68 0 0 0 8 Hawaii 0 0 0 15 1 0 6 0	Montana	0	0	0	0	0	0	0	12
Utah 0 0 0 0 0 0 0 Wyoming 0 0 0 0 1 0 0 3 Pacific Contiguous 0 0 0 29 2 0 0 1 California 0 0 0 30 5 0 0 2 Oregon 0 0 0 237 5 0 0 2 Washington 0 0 0 0 1 0 0 Pacific Noncontiguous 0 0 0 124 41 0 0 6 Alaska 0 0 0 0 68 0 0 3 Hawaii 0 0 0 124 25 0 0 9 U.S. Total 0 0 0 15 1 0 6 0	Nevada	0	0	0	0	0	0	80	0
Wyoming 0 0 0 0 1 0 0 Pacific Contiguous 0 0 0 29 2 0 0 1 California 0 0 0 30 5 0 0 0 Oregon 0 0 0 237 5 0 0 0 Washington 0 0 0 1 0 0 0 Pacific Noncontiguous 0 0 0 124 41 0 0 6 Alaska 0 0 0 0 68 0 0 8 Hawaii 0 0 0 124 25 0 0 6 U.S. Total 0 0 15 1 0 6 0	New Mexico	0	0	0	66	66	0	654	1
Pacific Contiguous 0 0 0 29 2 0 0 1 California 0 0 0 30 5 0 0 2 Oregon 0 0 0 237 5 0 0 0 2 Washington 0 0 0 0 1 0 0 0 Pacific Noncontiguous 0 0 0 124 41 0 0 6 Alaska 0 0 0 68 0 0 6 Hawaii 0 0 0 124 25 0 0 9 U.S. Total 0 0 0 15 1 0 6 0									
California 0 0 0 30 5 0 0 2 Oregon 0 0 0 0 237 5 0 0 2 Washington 0 0 0 0 1 0 0 0 Pacific Noncontiguous 0 0 0 124 41 0 0 6 Alaska 0 0 0 68 0 0 8 Hawaii 0 0 0 124 25 0 0 9 U.S. Total 0 0 0 15 1 0 6 0									
Oregon 0 0 0 237 5 0 0 2 Washington 0 0 0 0 1 0 0 0 Pacific Noncontiguous 0 0 0 124 41 0 0 6 Alaska 0 0 0 0 68 0 0 0 8 Hawaii 0 0 0 124 25 0 0 9 U.S. Total 0 0 15 1 0 6 0	•								
Washington 0 0 0 0 1 0 0 1 Pacific Noncontiguous 0 0 0 124 41 0 0 6 Alaska 0 0 0 0 68 0 0 8 Hawaii 0 0 0 124 25 0 0 9 U.S. Total 0 0 15 1 0 6 0									
Pacific Noncontiguous 0 0 124 41 0 0 6 Alaska 0 0 0 0 68 0 0 8 Hawaii 0 0 0 124 25 0 0 0 9 U.S. Total 0 0 0 15 1 0 6 0									
Alaska 0 0 0 0 68 0 0 8 Hawaii 0 0 0 124 25 0 0 9 U.S. Total 0 0 0 15 1 0 6 0	<u> </u>								
Hawaii 0 0 0 124 25 0 0 9 U.S. Total 0 0 0 15 1 0 6 0									
U.S. Total 0 0 0 15 1 0 6 0									

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

Independent Power Producers by Census Division and State, January 2015

Census Region and State	Coal	Petroleum Liquids	Coke	Natural Gas	Other Gases	Nuclear	Hydroelect Conventio
New England	0	8	0	1	0	0	
Connecticut	0	30	0	1	0	0	
Maine	0	1	0	1	0	0	
Massachusetts	0	21	0	4	0	0	
New Hampshire	0	14	0	0	0	0	
Rhode Island	0	0	0	0	0	0	;
Vermont	0	0	0	0	0	0	
Middle Atlantic	1	10	0	1	0	0	
New Jersey	0	12	0	2	0	0	2
New York	1	14	0	3	0		
Pennsylvania	1	20	0	1	0		
East North Central	0	7	0	1	11	0	
Illinois	0	0	0	1	0	_	
Indiana	0	0	0	10	0		
Michigan	53	6,781	0	4	14		
Ohio	0	10	0	1	16		
Wisconsin	0	247	0	0	0		
West North Central	106	230	0	24	0		
lowa	0	161	0	0	0		
Kansas	0	0	0	0	0	0	
Minnesota	0	326	0	42	0	0	
Missouri	106	0	0	29	0	0	
South Dakota	0	235	0	0	0	0	
South Atlantic	1	8	0	2	0	0	
Delaware	0	7	0	5	0	0	
Florida	0	742	0	10	0	0	
Georgia	0	6	0	1	0	_	
Maryland	0	19	0	16	0		
North Carolina	77	53	0	0	0		
South Carolina	0		0	19	0		
Virginia	0		0	0	0		
West Virginia	0		0	11	0		
East South Central	0		0	0	0		
Alabama	0		0	0	0		
Kentucky	0		0	0	0		
Mississippi	0	0	0	0	0		
West South Central	2	66	0	0	0		
Arkansas	0	0	0	0	0	0	
Louisiana	0	0	0	0	0	0	
Oklahoma	0	0	0	2	0	0	
Texas	2	161	0	0	0	0	
Mountain	8	79	0	3	0	0	
Arizona	0	0	0	1	0	0	
Colorado	290	0	0	3	0	0	
Idaho	0		0	5	0		
Montana	8	23	0	272	0		
Nevada	0	0	0	11	0		
New Mexico	0		0	5	0		
Utah	69	1,017	0		0		
Wyoming	124	0	0	379	0		
Pacific Contiguous	0		287	2	0		
•	54	26			0		
California			287	2			
Oregon	0		0	2	0		
Washington	0		0				
Pacific Noncontiguous	5	37	0	0			
Alaska	41	0	0	0			
Hawaii	0	37	0				
U.S. Total	1	7	1	0	4	0	

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

Independent Power Producers by Census Division and State, January 2015 (Continued)

ndependent Power Prod	ucers by cens	Sus Division a	liiu State, Jaii	Solar Thermal	illiliueu)	Hydroelectric		
				and	Other	Pumped	Other Energy	All Energy
Census Region and State	Wind	Geothermal	Biomass	Photovoltaic	Renewables	Storage	Sources	Sources
New England	0	0	0	26	3	0	6	
Connecticut	0	0			5		9	
Maine	0	0					17	3
Massachusetts	0	0			7	0	8	2
New Hampshire	0	0				0	49	1
Rhode Island	0	0			10	0	0	1
Vermont	0	0			22	0	0	
Middle Atlantic	0	0			22	0	6	
								0
New Jersey	0	0			10	0	13	1
New York	0	0			2	0	10	1
Pennsylvania	0	0			2		7	1
East North Central	0	0			1	0	23	C
Illinois	0	0			1	0	0	
Indiana	0	0			1	0	0	2
Michigan	0	0	0	0	3	0	23	2
Ohio	0	0	0	88	4	0	0	0
Wisconsin	0	0	0	0	9	0	0	1
West North Central	0	0	0	140	1	0	41	1
lowa	0	0	0	0	2	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	328	3	0	41	3
Missouri	0	0	0	154	2	0	0	6
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0			1	0	0	
South Dakota	0	0					0	
South Atlantic	0	0				0	5	
Delaware	0	0			39	0	0	
Florida	0	0			4	0	7	
		0				0	0	
Georgia	0				11			
Maryland	0	0			4	0	0	
North Carolina	0	0			10	0	27	5
South Carolina	0	0			53	0	147	17
Virginia	0	0					0	
West Virginia	0	0					0	
East South Central	0	0			10	0	0	
Alabama	0	0			4	0	0	0
Kentucky	0	0	0	0	0	0	0	11
Mississippi	0	0	0	0	82	0	0	0
Tennessee	0	0	0	68	24	0	0	24
West South Central	0	0	0	20	1	0	145	1
Arkansas	0	0	0	0	28	0	0	0
Louisiana	0	0	0	0	33	0	0	0
Oklahoma	0	0					0	
Texas	0	0			1	0	145	1
Mountain	0	4	0		1	0	4	3
Arizona	0	0				0	0	_
Colorado	0	0	0		1	0	161	2
Idaho	0	51	0			0	0	
Montana	0	0				0	0	
Nevada	0	4	0				0	
			0				0	
New Mexico					6			
Utah	0		0				191	28
Wyoming	0						0	
Pacific Contiguous	0						20	
California	0						23	
Oregon	0	0					66	
Washington	0						46	
Pacific Noncontiguous	0						0	
Alaska	0	0				0	0	
Hawaii	0	0	0	116	15	0	0	13
U.S. Total	0	3	0	3	1	0	4	
Displayed values of zero may re								

Using the stable 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 January 2015

Independent Power Prod	ucers by Cens	Petroleum	Petroleum	r-to-Date throi	ugn January 2	2015	Ludraalaatria
Census Region and State	Coal	Liquids	Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	8	0	1	0	0	8
Connecticut	0	30	0	1	0	0	41
Maine	0	1	0	1	0	0	10
Massachusetts	0	21	0	4	0	0	23
New Hampshire	0	14	0	0	0	0	19
Rhode Island	0	0	0	0	0	0	374
Vermont	0	0	0	0	0	0	27
Middle Atlantic	1	10	0	1	0	0	9
New Jersey	0	12	0	2	0	0	210
New York	1	14	0	3	0	0	11
Pennsylvania	1	20	0	1	0	0	15
East North Central	0	7	0	1	11	0	53
Illinois	0	0	0	1	0	0	55
Indiana	0	0	0	10	0	0	0
Michigan	53	6,781	0	4	14	0	95
Ohio	0	10	0	1	16	0	0
Wisconsin	0	247	0	0	0		91
West North Central	106	230	0		0		64
lowa	0	161	0		0	0	360
Kansas	0		0				
Minnesota	0		0		0		68
Missouri	106	0	0		0		
South Dakota	0	235	0				0
South Atlantic	1	8	0				7
Delaware	0	7	0		0		0
Florida	0	742	0		0		0
Georgia	0	6	0		0		215
Maryland	0	19	0		0		3
North Carolina	77	53	0		0		101
South Carolina	0	68	0		0		79
Virginia	0	8	0		0		90
West Virginia	0		0		0		11
East South Central	0	4	0		0		260
Alabama	0	4	0		0	1	0
Kentucky	0	0	0		0		260
Mississippi	0	0	0				0
West South Central	2	66	0				5
Arkansas	0	0	0		0		190
Louisiana	0		0				
Oklahoma	0		0		0		0
Texas	2	161	0				141
Mountain	8	79	0		0		10
Arizona	0		0		0		0
Colorado	290	0	0		0		78
Idaho	0		0		0		
Montana	8		0		0		
Nevada	0		0		0		
New Mexico	0		0				
Utah	69	1,017	0		0		
Wyoming	124	0	0		0		
Pacific Contiguous	0	26	287	2			29
California	54	27	287	2	0	1	56
Oregon	0	0	0		0		52
Washington	0	87	0				42
Pacific Noncontiguous	5	37	0				0
Alaska	41	0	0				
Hawaii	0		0				
U.S. Total	1	7	1	0			5
Displayed values of zero may rep						_	

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 January 2015 (Continued)

dependent Power Prod				Solar Thermal	<u> </u>	Hydroelectric		
				and	Other	Pumped	Other Energy	All Energy
Census Region and State	Wind	Geothermal	Biomass	Photovoltaic	Renewables	Storage	Sources	Sources
New England	0	0	0	26	3	0	6	
Connecticut	0	0	0	143	5	0	9	
Maine	0	0	0	0	2	0	17	:
Massachusetts	0	0	0	29	7	0		
New Hampshire	0	0	0	0	10	0		
Rhode Island	0	0	0	163	10	0		
Vermont	0	0	0	89	22	0		
Middle Atlantic	0	0	0	26	2	0		
New Jersey	0	0	0	30	10	0	13	1
New York	0	0	0	44	2	0	10	1
Pennsylvania	0	0	0	82	2	0	7	1
East North Central	0	0	0	37	1	0	23	(
Illinois	0	0	0	86	1	0		
Indiana	0	0	0	46	1	0		
		0	0	0	3	0		
Michigan	0							
Ohio	0	0	0	88	4	0	0	
Wisconsin	0	0	0	0	9	0		
West North Central	0	0	0	140	1	0		
lowa	0	0	0	0	2	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	328	3	0	41	3
Missouri	0	0	0	154	2	0		
Nebraska	0	0	0	0	1	0		1
	0	0	0	0	1	0		
North Dakota								
South Dakota	0	0	0	0	2	0		
South Atlantic	0	0	0	16	3	0		
Delaware	0	0	0	94	39	0	0	4
Florida	0	0	0	104	4	0	7	6
Georgia	0	0	0	38	11	0	0	1
Maryland	0	0	0	53	4	0	0	1
North Carolina	0	0	0	17	10	0		
South Carolina	0	0	0	271	53	0		17
	0	0	0	0	6	0		
Virginia								
West Virginia	0	0	0	0	0	0		
East South Central	0	0	0	68	10	0		
Alabama	0	0	0	0	4	0	0	(
Kentucky	0	0	0	0	0	0	0	11
Mississippi	0	0	0	0	82	0	0	(
Tennessee	0	0	0	68	24	0	0	24
West South Central	0	0	0	20	1	0		
Arkansas	0	0	0	0	28	0		
	0	0	0	0	33	0		
Louisiana	0			0	0	0		
Oklahoma		0	0					
Texas	0	0	0	20	1	0	145	
Mountain	0	4	0	5	1	0	4	
Arizona	0	0	0	5	4	0	0	1
Colorado	0	0	0	26	1	0	161	2
Idaho	0	51	0	0	11	0	0	8
Montana	0	0	0	0	4	0		
Nevada	0	4	0	6	3	0		
	0		0	22	6		0	
New Mexico		176						
Utah	0	12	0	426	8	0		
Wyoming	0	0	0	0	4			
Pacific Contiguous	0	3	0	3	2			
California	0	3	0	3	2	0	23	:
Oregon	0	0	0	128	5	0	66	:
Washington	0	0	0	0	3		46	
Pacific Noncontiguous	0	0	0	116	16	0		
Alaska	0	0	0		90	0		
Hawaii	0	0	0	116	15	0		
U.S. Total	0	3	0	3	1 e provides addition	0		

Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, January 2015

Conventi	Nuclear	Other Gases	Natural Gas	Petroleum Coke	Petroleum Liquids	Coal	Census Region and State
	0	0	41	0	68	0	New England
•	0	0	93	0	838	0	Connecticut
	0	0	300	0	375	0	Maine
	0	0	33	0	87	0	Massachusetts
	0	0	363	0	154	0	New Hampshire
	0	0	259	0	153	0	Rhode Island
	0	0	0	0	592	0	Vermont
	0	0	37	0	122	141	Middle Atlantic
	0	0	121	0	1,988	0	New Jersey
	0	0	37	0	123	0	New York
	0	0	153	0	662	141	Pennsylvania
	0	0	25	0	877	21	East North Central
	0	0	37	0	413	45	Illinois
	0	0	97	0	2,303	30	Indiana
	0	0	31	0	45	0	Michigan
	0	0	121	0	3,095	364	Ohio
	0	0	96	0	589	366	Wisconsin
	0	0	77	0	346	28	West North Central
	0	0	138	0	380	49	lowa
	0	0	94	0	390	0	
							Minnesota
	0	0	0	0	739	0	Missouri
	0	0	1,967	0	0	0	Nebraska
	0	0	0	0	593	0	North Dakota
	0	0	0	0	887	0	South Dakota
	0	0	68	0	108	9	South Atlantic
	0	0	193	0	0	0	District of Columbia
	0	0	164	0	0	0	Florida
	0	0	0	0	114	0	Georgia
	0	0	80	0	111	230	Maryland
	0	0	0	0	429	0	North Carolina
	0	0	301	0	370	0	South Carolina
	0	0	535	0	1,009	0	Virginia
	0	0	108	0	526	115	East South Central
	0	0	229	0	0	0	Mississippi
	0	0	119	0	526	115	Tennessee
	0	0	31	0	1,214	0	West South Central
	0	0	923	0	0	0	Arkansas
	0	0	78	0	0	0	Louisiana
	0	0	194	0	13,165	0	Oklahoma
	0	0	33	0	1,216	0	Texas
	0	0	45	0	6,236	0	Mountain
	0	0	74	0	747	0	Arizona
	0	0	0	0	8,291	0	Colorado
	0	0	102	0	0	0	Nevada
	0	0	98	0	0	0	New Mexico
	0	0	93	0	0	0	Utah
1	0	0	22	0	1,260	0	Pacific Contiguous
1	0	0	23	0	1,515	0	California
	0	0	123	0	3,574	0	Oregon
	0	0	227	0	223	0	Washington
	0	0	443	0	52	14	Pacific Noncontiguous
	0	0	443	0	99	14	Alaska
	0	0	0 13	0	0 52	0 11	Hawaii

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

Commercial Sector by Census Division and State, January 2015 (Continued)

Commercial Sector by Ce	IISUS DIVISIO	i and State, Ja	anuary 2015 (C	ontinuea)	I			
				Solar Thermal and	Other	Hydroelectric Pumped	Other Energy	All Energy
Census Region and State	Wind	Geothermal	Biomass	Photovoltaic	Renewables	Storage	Sources	Sources
New England	0	Geothermai 0	0	293	31	o o o	36	27
	0	0	0	293		0	75	77
Connecticut					68			
Maine	0	0		0	38	0	41	43
Massachusetts	0	0		293	104	0	0	30
New Hampshire	0	0		0		0	0	98
Rhode Island	0	0		0	199	0	0	129
Vermont	0	0		0	345	0	0	349
Middle Atlantic	0	0	0	50	12	0	12	18
New Jersey	0	0	0	50	19	0	0	34
New York	0	0	0	391	23	0	28	24
Pennsylvania	0	0	0	907	11	0	0	47
East North Central	0	0	0	356	17	0	20	19
Illinois	0	0	0	0	0	0	0	34
Indiana	0	0	0	0	77	0	93	59
Michigan	0	0		0		0	19	19
Ohio	0	0		356	356	0	0	118
Wisconsin	0	0		0	76	0	0	80
West North Central	0	0	0	0	30	0	77	25
								43
lowa	0	0		0		0	0	
Minnesota	0	0		0		0	77	58
Missouri	0	0		0		0	0	0
Nebraska	0	0	0	0	77	0	0	91
North Dakota	0	0	0	0	0	0	0	593
South Dakota	0	0	0	0	0	0	0	887
South Atlantic	0	0	0	63	15	0	16	25
Delaware	0	0	0	0	287	0	0	287
District of Columbia	0	0	0	0	0	0	0	193
Florida	0	0	0	461	48	0	0	76
Georgia	0	0	0	358	66	0	0	62
Maryland	0	0		257	66	0	546	63
North Carolina	0	0		67	40	0	0	18
South Carolina	0	0		0		0	0	243
Virginia	0	0		0		0	16	11
East South Central	0	0		437	437	0	0	95
	0	0		0	0	0	0	229
Mississippi					_			
Tennessee	0	0		437	437	0	0	103
West South Central	0	0		401	70	0	0	29
Arkansas	0	0		0	_	0	0	203
Louisiana	0	0		0	_	0	0	78
Oklahoma	0	0		0	-	0	0	194
Texas	0	0		401	74	0	0	31
Mountain	0	0		76	76	0	0	41
Arizona	0	0	0	135	135	0	0	69
Colorado	0	0	0	168	165	0	0	183
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	104	104	0	0	82
New Mexico	0	0	0	0	497	0	0	96
Utah	0	0		0		0	0	93
Pacific Contiguous	0	0	0	63	10	0	0	14
California	0	0		63	10	0	0	14
Oregon	0	0	0	03		0	0	100
Washington	0	0	_	0		0	0	137
			_				_	
Pacific Noncontiguous	0	0		0	_	0	0	7
Alaska	0	0		0		0	0	16
Hawaii	0	0		0		0	0	0
U.S. Total	0	0		31	7	0	8	8

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

Commercial Sector by Census Division and State, Year-to-Date through January 2015

Hydroelectric		y 2013	rougn Januar	Petroleum	Petroleum	III DUS DIVISIOI	,
Conventiona	Nuclear	Other Gases	Natural Gas	Coke	Liquids	Coal	Census Region and State
327	0	0	41	0	68	0	New England
(0	0	93	0	838	0	Connecticut
(0	0	300	0	375	0	Maine
327	0	0	33	0	87	0	Massachusetts
(0	0	363	0	154	0	New Hampshire
(0	0	259	0	153	0	Rhode Island
(0	0	0	0	592	0	Vermont
332	0	0	37	0	122	141	Middle Atlantic
(0	0	121	0	1,988	0	New Jersey
332	0	0	37	0	123	0	New York
(0	0	153	0	662	141	Pennsylvania
597	0	0	25	0	877	21	East North Central
597	0	0	37	0	413	45	Illinois
(0	0	97	0	2,303	30	Indiana
(0	0	31	0	45	0	Michigan
(0	0	121	0	3,095	364	Ohio
(0	0	96	0	589	366	Wisconsin
	0	0	77	0	346	28	West North Central
(0	0	138	0	380	49	lowa
(0	0	94	0	390	0	Minnesota
(0	0	0	0	739	0	Missouri
(0	0	1,967	0	0	0	Nebraska
(0	0	0	0	593	0	North Dakota
(0	0	0	0	887	0	South Dakota
142	0	0	68	0	108	9	South Atlantic
(0	0	193	0	0	0	District of Columbia
(0	0	164	0	0	0	Florida
(0	0	0	0	114	0	Georgia
(0	0	80	0	111	230	Maryland
140	0	0	0	0	429	0	North Carolina
404	0	0	301	0	370	0	South Carolina
	0	0	535	0	1,009	0	Virginia
	0	0	108	0	526	115	East South Central
(0	0	229	0	0	0	Mississippi
(0	0	119	0	526	115	Tennessee
	0	0	31	0	1,214	0	West South Central
(0	0	923	0	0	0	Arkansas
(0	0	78	0	0	0	Louisiana
(0	0	194	0	13,165	0	Oklahoma
(0	0	33	0	1,216	0	Texas
336	0	0	45	0	6,236	0	Mountain
(0	0	74	0	747	0	Arizona
336	0	0	0	0	8,291	0	Colorado
(0	0	102	0	0,291	0	Nevada
(0	0	98	0	0	0	New Mexico
(0	0	93	0	0	0	Utah
	0	0		0	1,260	0	Pacific Contiguous
1,363	0	0	23	0	1,515	0	California
1,300	0	0	123	0	3,574	0	Oregon
(0	0	227	0	223	0	Washington
(0	0	443	0	52	14	Pacific Noncontiguous
(0	0	443	0	99	14	Alaska
(0	0	0	0	0	0	
124	0	0	13	0	52	11	Hawaii
	-		ersion of this table				U.S. Total

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

Commercial Sector by Census Division and State, Year-to-Date through January 2015 (Continued)

Commercial Sector by Co	ensus Divisior	and State, Y	ear-to-Date th					
				Solar Thermal		Hydroelectric	Other Frage	All Engran
Canava Basian and State	\A/imal	Coothormal	Diamaga	and	Other Renewables	Pumped	Other Energy	All Energy Sources
Census Region and State	Wind	Geothermal	Biomass	Photovoltaic		Storage	Sources	
New England		0	0		31	0	36	27
Connecticut	0	0				0	75	77
Maine	0	0	0	0	38	0	41	43
Massachusetts	0	0	0	293	104	0	0	30
New Hampshire	0	0	0	0	58	0	0	98
Rhode Island	0	0	0	0	199	0	0	129
Vermont	0	0	0	0	345	0	0	349
Middle Atlantic	0	0				0	12	18
New Jersey	0	0				0	0	34
,								24
New York	0	0			23	0	28	
Pennsylvania	0	0			11	0	0	47
East North Central	0	0			17	0	20	19
Illinois	0	0	0	0	0	0	0	34
Indiana	0	0	0	0	77	0	93	59
Michigan	0	0	0	0	16	0	19	19
Ohio	0	0	0	356	356	0	0	118
Wisconsin	0	0				0	0	80
West North Central	0	0		0		0	77	25
lowa	0	0				0	0	43
Minnesota	0	0				0	77	58
Missouri	0	0				0	0	0
Nebraska	0	0	0	0	77	0	0	91
North Dakota	0	0	0	0	0	0	0	593
South Dakota	0	0	0	0	0	0	0	887
South Atlantic	0	0	0	63	15	0	16	25
Delaware	0	0				0	0	287
District of Columbia	0	0				0	0	193
Florida	0	0			48	0	0	76
Georgia	0	0			66	0	0	62
Maryland	0	0			66	0	546	63
North Carolina	0	0			40	0	0	18
South Carolina	0	0			0	0	0	243
Virginia	0	0	0	0	13	0	16	11
East South Central	0	0	0	437	437	0	0	95
Mississippi	0	0	0	0	0	0	0	229
Tennessee	0	0	0	437	437	0	0	103
West South Central	0	0			70	0	0	29
Arkansas	0	0				0	0	203
	0	0			_	_		
Louisiana	_		_		_	0	0	78
Oklahoma	0	0					0	194
Texas	0	0			74	0	0	31
Mountain	0	0				0	0	41
Arizona	0	0	0	135	135	0	0	69
Colorado	0	0	0	168	165	0	0	183
Idaho	0	0	0	0	0	0	0	0
Nevada		0					0	
New Mexico	0	0				0	0	96
Utah	0	0				0	0	93
Pacific Contiguous	0	0	_	63	10	0	0	14
California	0	0	_		10	0	0	14
Oregon		0	_			0	0	100
Washington	0	0	_			0	0	137
Pacific Noncontiguous	0	0	0	0	9	0	0	7
Alaska	0	0	0	0	48	0	0	16
Hawaii	0	0	0	0		0	0	0
U.S. Total	0	0			7	0	8	8
Displayed values of zero may re						-		

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, January 2015

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	26	130	0	44	0	0	24
Connecticut	0	1,729	0	69	0	0	0
Maine	0	108	0	64	0	0	22
Massachusetts	105	887	0	133	0	0	420
New Hampshire	0	276	0	291	0		557
Middle Atlantic	13	32	59	37	10	0	100
New Jersey	0	808	123	77	28	0	0
New York	0	9	0	83	0		100
Pennsylvania	20	244	67	47	7	0	0
East North Central	6	62	39	31	6		65
Illinois	7	0	0	80	22	0	0
Indiana	141	8	0	43	5		0
Michigan	30	229	79	54	0		164
Ohio	17	156	210	135	27	0	0
Wisconsin	10	99	0		0		71
West North Central	9	144	112	54	59	0	95
lowa	9	357	112	104	0		0
Kansas	0	0	0	92	0		0
Minnesota	21	188	0		0		95
Missouri	86	0	0	591	0		0
Nebraska	29	0	0	514	0		0
North Dakota	58	277	0	256	59	0	0
South Atlantic	21	51	0	10	0	0	9
Delaware	0	0	0	0	0	0	0
Florida	189	226	0		0		0
	38	83	0	27	0		164
Georgia Maryland	0	1,291	0	214	0		104
North Carolina	207	53	0		0		15
South Carolina	0	0	0	80	0		0
Virginia	51	296	0		0		235
West Virginia	5	0	0	812	0		233
-		192	0			0	14
East South Central Alabama	12 80	201	0	10	24 25	0	14 C
	0	0	0	95	0		C
Kentucky	0	0	0	10	0		0
Mississippi	3	758	0	48	0		14
Tennessee West South Central	89	368	33	2	11	0	0
Arkansas	0	0	0	23	0	0	0
Louisiana	0	0	44	3	17	0	C
Oklahoma	115	1,191	0		0		C
Texas	0	679	30	3	15		
Mountain	24	615	0	25	3		0
Colorado	357	797	0		0		C
Idaho	60	0	0	80	0		C
Montana	193	0	0	0	0		C
	0	0	0	81	0		C
Nevada New Mexico	0	729					
Utah	0	1,158	0	44	0		C
Wyoming	27	1,136	0		3		(
Pacific Contiguous	0	1,037 59	0	8	12	0	(
California	0	278	0		12	0	C
	0	0	0		0		C
Oregon		38	0		0		(
Washington	0						
Pacific Noncontiguous	310	26 22	0		270	0	134
Alaska	0		0		0		124
Hawaii	310	31	0				134
U.S. Total isplayed values of zero may re	6	24	20	2	5		9

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

Industrial Sector by Census Division and State, January 2015 (Continued)

industrial Sector by Cens		ia olalo, carre) _0.0 (00.	Solar Thermal		Hydroelectric		
Census Region and State	Wind	Geothermal	Biomass	and Photovoltaic	Other Renewables	Pumped Storage	Other Energy Sources	All Energy Sources
New England	0	0	0			0	30	15
Connecticut	0	0	0				0	69
Maine	0	0	0			0	30	12
Massachusetts	0	0	0			0	0	
New Hampshire	0	0	0				0	
					_	0	0	
Middle Atlantic	0	0	0		11			
New Jersey	0	0	0		559	0	0	
New York	0	0	0				0	
Pennsylvania	0	0	0				0	
East North Central	0	0	0				10	5
Illinois	0	0	0				25	11
Indiana	0	0	0	0	51	0	0	
Michigan	0	0	0	0	15	0	0	
Ohio	0	0	0	0	17	0	0	16
Wisconsin	0	0	0	0	16	0	66	11
West North Central	0	0	0	0	13	0	55	8
lowa	0	0	0				0	
Kansas	0	0	0				0	
Minnesota	0	0	0			0	55	15
Missouri	0	0	0			0	0	
Nebraska	0	0	0				0	
	0	0	0			0	0	
North Dakota								
South Atlantic	0	0	0				5	
Delaware	0	0	0				0	
Florida	0	0	0				5	
Georgia	0	0	0				0	
Maryland	0	0	0				0	
North Carolina	0	0	0	0	9	0	0	
South Carolina	0	0	0	0	1	0	0	
Virginia	0	0	0	0	6	0	0	11
West Virginia	0	0	0	0	0	0	0	4
East South Central	0	0	0	0	5	0	29	4
Alabama	0	0	0	0	8	0	0	8
Kentucky	0	0	0		5	0	0	33
Mississippi	0	0	0				187	6
Tennessee	0	0	0				0	
West South Central	0	0	0				8	
Arkansas	0	0	0				0	
	0	0	0				6	
Louisiana	0		0			0		
Oklahoma		0					107	44
Texas	0	0	0			0	13	3
Mountain	0	0	0		4	0	68	12
Colorado	0	0	0			0	67	83
Idaho	0	0	0				0	
Montana	0	0	0		_		0	
Nevada	0	0	0			0	0	
New Mexico	0	0	0	0	0	0	0	729
Utah	0	0	0	0	0	0	0	
Wyoming	0	0	0	0	0	0	0	11
Pacific Contiguous	0	0	0	272	10	0	11	6
California	0	0	0		22	0	13	7
Oregon	0	0	0				0	
Washington	0	0	0			0	0	
Pacific Noncontiguous	0	0	0				0	
Alaska	0	0	0				0	
Hawaii	0	0	0				0	
U.S. Total	0	0	O The Excel w				5	

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

Industrial Sector by Census Division and State, Year-to-Date through January 2015

Consus Region and State Cost Liquids Cost Natural Gas Other Gases Nuclear Conventional	Industrial Sector by Cens	us Division al	Petroleum			013		Hydroelectric
Connecticat	Census Region and State	Coal				Other Gases	Nuclear	Conventional
Maine		26		0	44	0	0	24
Massachusets	Connecticut	0	1,729	0	69	0	0	0
New Hampshire	Maine	0	108	0	64	0	0	22
Middle Atlantic 13 32 59 37 10 0 100 New Vork 0 9 0 83 0 0 100 New York 0 9 0 83 0 0 100 Penraylvania 20 244 67 47 7 0 0 0 East North Central 6 62 39 31 6 0 65 Illinois 7 0 0 80 22 0 0 0 Indiana 141 8 0 43 5 0 0 0 Michigan 30 229 79 54 0 0 164 Ohio 17 156 210 135 27 0 0 0 Wisconsin 10 99 0 71 0 0 77 West North Central 9 144 112 54 59 0 98 Illinois 7 148 112 54 59 0 98 Illinois 7 188 0 89 0 0 0 0 Mincepota 21 188 0 89 0 0 0 0 Minscoul 68 0 0 591 0 0 0 99 North Dakota 29 0 0 514 0 0 0 0 North Dakota 58 277 0 0 0 0 0 Georgia 38 83 0 277 0 0 0 0 Georgia 38 83 0 277 0 0 0 0 Florada 189 226 0 0 18 0 0 0 0 Georgia 38 83 0 277 0 0 0 0 North Carolina 207 53 0 52 0 0 0 0 North Carolina 207 53 0 52 0 0 0 0 Maryland 0 1,291 0 24 0 0 0 0 0 West Virginia 51 296 0 26 0 0 0 0 Marsiasee 3 768 0 80 0 0 0 0 0 Maryland 0 1,291 0 244 0 0 0 0 Maryland 0 1,291 0 244 0 0 0 0 Maryland 0 1,291 0 244 0 0 0 0 Maryland 0 1,291 0 244 0 0 0 0 Maryland 0 1,291 0 244 0 0 0 0 Maryland 0 0 0 0 0 0 0 0 0 Maryland 0 0 0 0 0 0 0 0 0 Maryland 0 0 0 0 0 0 0 0 0	Massachusetts	105	887	0	133	0	0	420
New Jersey	New Hampshire	0	276	0	291	0	0	557
New Jersey		13		59	37	10		
New York			808		77	28	0	
Pennsylvaria	·	0						100
East North Central 6		20		67	47			
Illinois			62		31			
Indiana		7	0		80			
Michigan 30 229 79 54 0 0 1646	Indiana	141						
Ohio								
West North Central 9								
West North Central 9								
Lowa 9 357 112 104 0 0 0 0 0 0 0 0 0								
Kansas								
Minsouri								
Missouri								
Nebraska 29								
North Dakota								
South Atlantic								
Delaware								0
Florida								
Georgia 38								
Maryland 0 1,291 0 214 0 0 0 North Carolina 207 53 0 52 0 0 15 South Carolina 0 0 0 0 80 0 0 0 0 West Virginia 5 0 0 812 0 0 6 East South Central 12 192 0 10 24 0 14 Alabama 80 201 0 15 25 0 0 6 Kentucky 0 0 0 95 0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
North Carolina 207 53 0 52 0 0 15	•							
South Carolina	,							
Virginia 51 296 0 26 0 0 235 West Virginia 5 0 0 812 0 0 6 East South Central 12 192 0 110 24 0 144 Alabama 80 201 0 15 25 0 0 Kentucky 0 0 0 95 0 0 0 Mississippi 0 0 0 10 0 0 0 Tennessee 3 758 0 48 0 0 14 West South Central 89 368 33 2 11 0 0 Arkansas 0 0 0 23 0 0 0 Louisiana 0 0 44 3 17 0 0 Oklahoma 115 1,191 0 88 0 0 0								
West Virginia								
East South Central 12 192 0 10 24 0 14								
Alabama	•							
Kentucky 0 0 0 95 0 0 Mississippi 0 0 0 10 0 0 Tennessee 3 758 0 48 0 0 14 West South Central 89 368 33 2 11 0								
Mississippi 0 0 0 10 0 0 Tennessee 3 758 0 48 0 0 14 West South Central 89 368 33 2 11 0 0 0 Arkansas 0 0 0 44 3 17 0 0 Louisiana 0 0 44 3 17 0 0 Oklahoma 115 1,191 0 88 0 0 0 0 Texas 0 679 30 3 15 0 0 0 Mountain 24 615 0 25 3 0 0 0 Colorado 357 797 0 258 0 0 0 0 Montana 193 0 0 0 0 0 0 0 0 0 0 0 0 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Tennessee								
West South Central 89 368 33 2 11 0 0 Arkansas 0 0 0 0 23 0 0 0 Louisiana 0 0 44 3 17 0 0 Oklahoma 115 1,191 0 88 0 0 0 Texas 0 679 30 3 15 0 0 Mountain 24 615 0 25 3 0 0 Colorado 357 797 0 258 0 0 0 Idaho 60 0 0 80 0 0 0 Montana 193 0 0 0 0 0 0 0 New dexico 0 729 0 0 0 0 0 0 Wyoming 27 1,037 0 17 3 0								
Arkansas 0 0 0 23 0 0 0 Louisiana 0 0 44 3 17 0 0 Oklahoma 115 1,191 0 88 0 0 0 Texas 0 679 30 3 15 0 0 Mountain 24 615 0 25 3 0 0 Colorado 357 797 0 258 0 0 0 Idaho 60 0 0 80 0 0 0 Montana 193 0 0 0 0 0 0 0 Meyada 0 0 0 0 81 0 0 0 0 New Mexico 0 729 0 0 0 0 0 0 0 0 Wyoming 27 1,037 0 17 <								
Louisiana 0 0 44 3 17 0 0 Oklahoma 115 1,191 0 88 0 0 0 Texas 0 679 30 3 15 0 0 Mountain 24 615 0 25 3 0 0 Colorado 357 797 0 258 0 0 0 Idaho 60 0 0 0 80 0 0 0 Montana 193 0 0 0 0 0 0 0 Nevada 0 0 0 0 0 0 0 0 0 New Mexico 0 729 0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
Oklahoma 115 1,191 0 88 0 0 0 Texas 0 679 30 3 15 0 0 Mountain 24 615 0 25 3 0 0 Colorado 357 797 0 258 0 0 0 Idaho 60 0 0 80 0 0 0 Montana 193 0 0 0 0 0 0 0 Nevada 0 0 0 0 0 0 0 0 New Mexico 0 729 0 0 0 0 0 0 Utah 0 1,158 0 44 0 0 0 0 Wyoming 27 1,037 0 17 3 0 0 Pacific Contiguous 0 59 0 8 12 0								
Texas 0 679 30 3 15 0 0 Mountain 24 615 0 25 3 0 0 Colorado 357 797 0 258 0 0 0 Idaho 60 0 0 0 80 0 0 0 Montana 193 0 0 0 0 0 0 0 Movada 0 0 0 0 0 0 0 0 New Mexico 0 729 0 0 0 0 0 0 Wyoming 27 1,037 0 17 3 0 0 Wyoming 27 1,037 0 17 3 0 0 Pacific Contiguous 0 59 0 8 12 0 0 California 0 278 0 8 12 0								
Mountain 24 615 0 25 3 0 0 Colorado 357 797 0 258 0 0 0 Idaho 60 0 0 0 80 0 0 0 Montana 193 0								
Colorado 357 797 0 258 0 0 0 Idaho 60 0 0 0 80 0 0 0 Montana 193 0 0 0 0 0 0 0 Nevada 0 0 0 81 0 0 0 0 New Mexico 0 729 0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Idaho								
Montana 193 0 0 0 0 0 0 NewAda 0 0 0 81 0 0 0 New Mexico 0 729 0 0 0 0 0 Utah 0 1,158 0 44 0 0 0 Wyoming 27 1,037 0 17 3 0 0 Pacific Contiguous 0 59 0 8 12 0 0 California 0 278 0 8 12 0 0 Oregon 0 0 0 107 0 0 0 Washington 0 38 0 0 0 0 0 Pacific Noncontiguous 310 26 0 142 270 0 134 Alaska 0 22 0 142 0 0 0 Hawaii								
Nevada 0 0 81 0 0 0 New Mexico 0 729 0 0 0 0 0 Utah 0 1,158 0 44 0 0 0 Wyoming 27 1,037 0 17 3 0 0 Pacific Contiguous 0 59 0 8 12 0 0 California 0 278 0 8 12 0 0 Oregon 0 0 0 107 0 0 0 Washington 0 38 0 0 0 0 0 Pacific Noncontiguous 310 26 0 142 270 0 134 Alaska 0 22 0 142 0 0 0 Hawaii 310 31 0 0 270 0 134 U.S. Total <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
New Mexico 0 729 0 0 0 0 0 Utah 0 1,158 0 44 0 0 0 Wyoming 27 1,037 0 17 3 0 0 Pacific Contiguous 0 59 0 8 12 0 0 California 0 278 0 8 12 0 0 Oregon 0 0 0 107 0 0 0 Washington 0 38 0 0 0 0 0 Pacific Noncontiguous 310 26 0 142 270 0 134 Alaska 0 22 0 142 0 0 0 0 Hawaii 310 31 0 0 270 0 134 U.S. Total 6 24 20 2 5 0 9 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Utah 0 1,158 0 44 0 0 0 Wyoming 27 1,037 0 17 3 0 0 Pacific Contiguous 0 59 0 8 12 0 0 California 0 278 0 8 12 0 0 Oregon 0 0 0 107 0 0 0 0 Washington 0 38 0 0 0 0 0 0 0 Pacific Noncontiguous 310 26 0 142 270 0 134 Alaska 0 22 0 142 0 0 0 0 Hawaii 310 31 0 0 270 0 134 U.S. Total 6 24 20 2 5 0 9								
Wyoming 27 1,037 0 17 3 0 0 Pacific Contiguous 0 59 0 8 12 0 0 California 0 278 0 8 12 0 0 Oregon 0 0 0 107 0 0 0 0 Washington 0 38 0 0 0 0 0 0 Pacific Noncontiguous 310 26 0 142 270 0 134 Alaska 0 22 0 142 20 0 0 Hawaii 310 31 0 0 270 0 134 U.S. Total 6 24 20 2 5 0 9		0						
Pacific Contiguous 0 59 0 8 12 0 0 California 0 278 0 8 12 0 0 Oregon 0 0 0 107 0 0 0 Washington 0 38 0 0 0 0 0 Pacific Noncontiguous 310 26 0 142 270 0 134 Alaska 0 22 0 142 0 0 0 0 Hawaii 310 31 0 0 270 0 134 U.S. Total 6 24 20 2 5 0 9		0						
California 0 278 0 8 12 0 0 Oregon 0 0 0 107 0 0 0 Washington 0 38 0 0 0 0 0 Pacific Noncontiguous 310 26 0 142 270 0 134 Alaska 0 22 0 142 0 0 0 0 Hawaii 310 31 0 0 270 0 134 U.S. Total 6 24 20 2 5 0 9								
Oregon 0 0 0 107 0 0 0 Washington 0 38 0 0 0 0 0 Pacific Noncontiguous 310 26 0 142 270 0 134 Alaska 0 22 0 142 0 0 0 Hawaii 310 31 0 0 270 0 134 U.S. Total 6 24 20 2 5 0 9								
Washington 0 38 0 0 0 0 0 Pacific Noncontiguous 310 26 0 142 270 0 134 Alaska 0 22 0 142 0 0 0 Hawaii 310 31 0 0 270 0 134 U.S. Total 6 24 20 2 5 0 9								
Pacific Noncontiguous 310 26 0 142 270 0 134 Alaska 0 22 0 142 0 0 0 Hawaii 310 31 0 0 270 0 134 U.S. Total 6 24 20 2 5 0 9								
Alaska 0 22 0 142 0 0 0 Hawaii 310 31 0 0 270 0 134 U.S. Total 6 24 20 2 5 0 9								
Hawaii 310 31 0 0 270 0 134 U.S. Total 6 24 20 2 5 0 9								
U.S. Total 6 24 20 2 5 0 9								
							-	-

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

Industrial Sector by Census Division and State, Year-to-Date through January 2015 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
		0	0	Priotovoltaic 0		_	30	
New England	0					0		15
Connecticut	0	0		0			0	69
Maine	0	0		0		0	30	12
Massachusetts	0	0	0	0		0	0	105
New Hampshire	0	0		0		0	0	
Middle Atlantic	0	0		201	11	0	0	
New Jersey	0	0	0	559	559	0	0	
New York	0	0	0	0	3	0	0	
Pennsylvania	0	0	0	216	16	0	0	18
East North Central	0	0	0	0	9	0	10	į
Illinois	0	0	0	0	0	0	25	11
Indiana	0	0	0	0	51	0	0	8
Michigan	0	0	0	0	15	0	0	
Ohio	0	0	0	0		0	0	
Wisconsin	0	0		0		0	66	11
West North Central	0	0		0			55	
lowa	0	0	0	0			0	10
Kansas	0	0		0	_		0	
	0	0		0			55	15
Minnesota						0		
Missouri	0	0	0	0		0	0	
Nebraska	0	0		0		0	0	
North Dakota	0	0	0	0		0	0	
South Atlantic	0	0		0	_	0	5	3
Delaware	0	0		0		0	0	
Florida	0	0	0	0	9	0	5	8
Georgia	0	0	0	0	5	0	0	
Maryland	0	0	0	0	0	0	0	22
North Carolina	0	0	0	0	9	0	0	13
South Carolina	0	0	0	0	1	0	0	2
Virginia	0	0	0	0	6	0	0	11
West Virginia	0	0	0	0	0	0	0	4
East South Central	0	0	0	0	5	0	29	4
Alabama	0	0	0	0	8	0	0	8
Kentucky	0	0		0	_		0	
Mississippi	0	0		0		0	187	6
Tennessee	0	0	0	0	_	0	0)
West South Central	0	0		0			8	2
	0	0	0	0			0	
Arkansas				0				(
Louisiana	0	0			_	0	6	2
Oklahoma	0	0		0		0	107	44
Texas	0	0		0		0	13	3
Mountain	0	0		345	4	0	68	12
Colorado	0	0		0		0	67	83
Idaho	0	0	0	0		0	0	12
Montana	0	0		0	0	0	0	
Nevada	0	0	0	345	345	0	0	
New Mexico	0	0	0	0	0	0	0	
Utah	0	0	0	0	0	0	0	
Wyoming	0	0	0	0	0	0	0	1
Pacific Contiguous	0	0	0	272	10	0	11	(
California	0	0		272	22	0	13	
Oregon	0	0		0		0	0	
Washington	0	0		0		0	0	
Pacific Noncontiguous	0	0	_	0			0	
Alaska	0	0		0			0	
Hawaii	0	0		0			0	
U.S. Total	0	0		149			5	
	-		-	ersion of this tabl	-	-		

Table A.6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, January 2015

Census Region and State	Residential	Commercial	Industrial	Transportation	То
New England	1	0	4	0	
Connecticut	1	1	6	0	
Maine	1	1	2	0	
Massachusetts	1	1	9	0	
New Hampshire	1	1	6	0	
Rhode Island	0	0	0	0	
Vermont	3	3	8	0	
Middle Atlantic	1	0	1	0	
				-	
New Jersey	3	1	4	0	
New York	0		3	0	
Pennsylvania	0		1	0	
East North Central	0		1	0	
Illinois	1	1	2	0	
Indiana	1	1	2	0	
Michigan	1	2	2	0	
Ohio	1	1	2	0	
Wisconsin	1	3	3	0	
West North Central	1	2	2	0	
lowa	1	7	3	0	
Kansas	2	1	3	0	
Minnesota	1	4	4	0	
Missouri	1	1	6	0	
Nebraska	1	7	5	0	
North Dakota	1	4	6		
South Dakota	2	9	7	0	
South Atlantic	1	0	1	0	
		10	15	0	
Delaware	15			-	
District of Columbia	28	6	36	0	
Florida	1	1	2	0	
Georgia	1	1	2	0	
Maryland	4	2	7	0	
North Carolina	1	1	1	0	
South Carolina	2	1	1	0	
Virginia	1	0	2	0	
West Virginia	0	0	0	0	
East South Central	1	1	2	0	
Alabama	1	1	1	0	
Kentucky	2	2	3	0	
Mississippi	2	2	2	0	
Tennessee	1	2	5	0	
West South Central	1	0	1	0	
Arkansas	2	1	2	0	
Louisiana	2	1	1	0	
Oklahoma	2	1	2	0	
Texas	1	0	1	0	
	1	2	1	0	
Mountain				-	
Arizona	1	2	2	0	
Colorado	2	4	4	0	
Idaho	1	4	3	0	
Montana	2	7	5	0	
Nevada	1	3	1	0	
New Mexico	2		6	0	
Utah	2	5	2	0	
Wyoming	2	6	2	0	
Pacific Contiguous	0	1	2	0	
California	0	1	2	0	
Oregon	1	4	5	0	
Washington	1	4	3		
Pacific Noncontiguous	1	4	2		
Alaska	2	9	8		
Hawaii	0		0		
U.S. Total	0		1	0	
U.S. LOTAL	U	0	1	U	

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 January 2015

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	1	0	4	0	1
Connecticut	1	1	6	0	1
Maine	1	1	2	0	1
Massachusetts	1	1	9	0	
New Hampshire	1	1	6	0	1
Rhode Island	0	0	0	0	(
Vermont	3	3	8	0	
Middle Atlantic	1	0	1	0	
New Jersey	3	1	4	0	
New York	0	0	3	0	
Pennsylvania	0	0	1	0	
East North Central	0	1	1	0	
Illinois	1	1	2	0	•
Indiana	1	1	2	0	•
Michigan	1	2	2	0	•
Ohio	1	1	2	0	,
Wisconsin	1	3	3	0	
West North Central	1	2	2	0	
lowa	1	7	3	0	
Kansas	2	1	3	0	
Minnesota		4	4	0	
Missouri	1	1	6	0	
Nebraska	1	7	5	0	
					3
North Dakota	1	4	6	0	2
South Dakota	2	9	7	0	
South Atlantic	1	0	1	0	C
Delaware	15	10	15	0	8
District of Columbia	28	6	36	0	8
Florida	1	1	2	0	1
Georgia	1	1	2	0	1
Maryland	4	2	7	0	2
North Carolina	1	1	1	0	1
South Carolina	2	1	1	0	1
Virginia	1	0	2	0	(
West Virginia	0	0	0	0	
East South Central	1	1	2	0	
Alabama	<u> </u>	1	1	0	1
Kentucky	2	2	3	0	
			2	0	
Mississippi	2	2			
Tennessee	1	2	5	0	
West South Central	1	0	1	0	
Arkansas	2	1	2	0	1
Louisiana	2	1	1	0	1
Oklahoma	2	1	2	0	
Texas	1	0	1	0	(
Mountain	1	2	1	0	1
Arizona	1	2	2	0	1
Colorado	2	4	4	0	2
Idaho	1	4	3	0	
Montana	2	7	5	0	
Nevada		3	1	0	1
New Mexico	2	7	6	0	
I NOW IVIONICU		5	2	0	
l Itah					
Utah Wyoming	2		2	Λ	
Wyoming	2	6	2	0	
Wyoming Pacific Contiguous	2 0	6 1	2	0	1
Wyoming Pacific Contiguous California	2 0 0	6 1 1	2	0	1
Wyoming Pacific Contiguous California Oregon	2 0 0 1	6 1 1 1 4	2 2 5	0 0 0	2
Wyoming Pacific Contiguous California Oregon Washington	2 0 0 1 1	6 1 1 4 4	2 2 5 3	0 0 0	1 2
Wyoming Pacific Contiguous California Oregon Washington Pacific Noncontiguous	2 0 0 1 1 1	6 1 1 4 4 4	2 2 5 3 2	0 0 0 0 0	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Wyoming Pacific Contiguous California Oregon Washington Pacific Noncontiguous Alaska	2 0 0 1 1 1 1 2	6 1 1 4 4 4 9	2 2 5 3 2 8	0 0 0 0 0 0	1 2 2 4
Wyoming Pacific Contiguous California Oregon Washington Pacific Noncontiguous	2 0 0 1 1 1	6 1 1 4 4 4	2 2 5 3 2	0 0 0 0 0	1 1 2 2 1 1 2 2 4 4 6 6

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, January 2015

by End-Use Sector, Cens			la desertal al	T	T-1-1
Census Region and State		Commercial	Industrial	Transportation	Total
New England	0	1	2	0	1
Connecticut	0	1	4	0	1
Maine	1	2	2	0	1
Massachusetts	1	1	4	0	1
New Hampshire	1	1	4	0	1
Rhode Island	0	12	0	0	5
Vermont	3	3	6	0	2
Middle Atlantic	1	1	2	0	0
New Jersey	4	1	3	0	2
New York	0	0	2	0	0
Pennsylvania	0	2	3	0	1
East North Central	0	1	1	0	0
Illinois	1	1	3	0	1
Indiana	1	1	2	0	1
Michigan	0	2	3	0	1
Ohio	1	1	3	0	1
Wisconsin	1	2	4	0	1
West North Central	1	2	3	0	
					1
lowa	2	6	6	0	
Kansas	2	2	4	0	1
Minnesota	1	3	5	0	2
Missouri	2	1	6	0	1
Nebraska	2	6	8	0	3
North Dakota	1	4	7	0	2
South Dakota	2	7	10	0	3
South Atlantic	1	1	1	23	1
Delaware	18	12	15	0	11
District of Columbia	33	8	15	75	11
Florida	1	1	3	0	1
Georgia	2	1	2	0	1
Maryland	5	2	4	0	3
North Carolina	1	1	2	0	1
South Carolina	2	1	2	0	1
Virginia	1	1	2	0	1
West Virginia	0	1	0	0	
East South Central	1	1	2	0	1
Alabama	2	1	2	0	1
Kentucky	2	2	3	0	1
	3	2	3	0	1
Mississippi					
Tennessee	1	2	5	0	<u> </u>
West South Central	1	1	1	0	1
Arkansas	2	2	3	0	2
Louisiana	2	1	1	0	1
Oklahoma	2	2	4	0	2
Texas	1	1	1	0	1
Mountain	1	3	2	0	1
Arizona	1	2	4	0	1
Colorado	2	4	7	0	2
Idaho	1	4	4	0	1
Montana	2	5	10	0	2
Nevada	1	20	1	0	5
New Mexico	3	7	9	0	3
Utah	3	5	3	0	2
Wyoming		6		0	2
Pacific Contiguous	0			0	0
California		1	2	0	1
Oregon		7	8	0	2
Washington		3	6	0	1
			2		
Pacific Noncontiguous	1	2		0	1
Alaska	3	6	10		3
Hawaii	0	0	0	0	0
U.S. Total	0	0	1	3	0

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 January 2015

New England 0	by End-Use Sector, Cens				T	T-1-1
Connectat 0 1 4 0 0						Total
Massed userlis Messed userlis New Hampshire 1						1
Messachupelis		0				1
New Hampshire 1		1				1
Rhode laland		1				1
New Jensey						1
Modde Atlantic						5
New Jork 0		3				2
New York		1				0
East North Central 0	New Jersey	4	1	3	0	2
East North Central 0	New York	0	0	2	0	0
Illinois	Pennsylvania	0	2	3	0	1
Inclaina	East North Central	0	1	1	0	0
Michigan O C C S O C	Illinois	1	1	3	0	1
Michigan 0 2 3 0 0 0 0 0 0 0 0 0	Indiana	1	1	2	0	1
Ohio 1		0	2	3	0	1
West North Central		1	1	3	0	1
West North Central						1
Lova						1
Kansas						2
Minesota						1
Missouri						1
Nebraske						
North Dakota						1
South Dakota 2						3
South Atlantic						2
Delaware						3
District of Columbia 33 8 15 75 11						1
Florida						
Georgia 2						11
Maryland 5 2 4 0 North Carolina 1 1 1 2 0 South Carolina 2 1 2 0						1
North Carolina	Georgia					1
South Carolina 2	Maryland	5	2	4	0	3
Virginia	North Carolina	1	1	2	0	1
West Virginia	South Carolina	2	1	2	0	1
East South Central	Virginia	1	1	2	0	1
Alabama	West Virginia	0	1	0	0	C
Kentucky 2 2 3 0 Mississippi 3 2 3 0 Tennessee 1 2 5 0 West South Central 1 1 1 0 Arkansas 2 2 3 0 2 Louisiana 2 1 1 0 0 Oklahoma 2 2 4 0 2 Texas 1 1 1 0 0 2 Mountain 1 3 2 0	East South Central	1	1	2	0	1
Mississippi 3 2 3 0 2 Tennessee 1 2 5 0 West South Central 1 1 1 1 0 Arkansas 2 2 2 3 0 0 Louisiana 2 1 1 0 0 0 Oklahoma 2 2 2 4 0 0 0 Texas 1 1 1 0 <td>Alabama</td> <td>2</td> <td>1</td> <td>2</td> <td>0</td> <td>1</td>	Alabama	2	1	2	0	1
Mississippi 3	Kentucky	2	2	3	0	1
Tennessee	Mississippi	3	2	3	0	2
West South Central 1 1 1 0 Arkansas 2 2 3 0 Louisiana 2 1 1 0 Oklahoma 2 2 4 0 Texas 1 1 1 0 Mountain 1 3 2 0 Montain 1 2 4 0 Colorado 2 4 7 0 2 Idaho 1 4 4 0 0 Montana 2 5 10 0 2 Nevada 1 20 1 0 3 New Mexico 3 7 9 0 3 Wyoming 2 6 3 0 2 Pacific Contiguous 0 1 2 0 0 California 0 1 2 0 0 Calfornia 0		1	2	5	0	1
Arkansas 2 2 3 0 4 Louisiana 2 1 1 0 6 Oklahoma 2 2 4 0 6 6 6 6 6 6 6 6 6 6 6 1 0 6 6 1 0 6 6 1 0 6 2 0	West South Central	1	1		0	1
Louisiana 2						2
Oklahoma 2 2 4 0 2 Texas 1 1 1 0 3 Mountain 1 3 2 0 6 Arizona 1 2 4 0 6 Colorado 2 4 7 0 6 Colorado 2 4 7 0 6 Idaho 1 4 4 4 0 Montana 2 5 10 0 2 Nevada 1 20 1 0 6 New Mexico 3 7 9 0 3 Wyoming 2 6 3 0 2 Wyoming 2 6 3 0 2 Pacific Contiguous 0 1 2 0 0 California 0 1 2 0 0 Pacific Noncontiguous 1 2						1
Texas 1 1 1 0 Mountain 1 3 2 0 Arizona 1 2 4 0 Colorado 2 4 7 0 Colorado 2 4 7 0 Colorado 2 4 7 0 Idaho 1 4 4 0 Montana 2 5 10 0 2 Nevada 1 20 1 0 6 New Mexico 3 7 9 0 3 Wyoming 2 6 3 0 2 Wyoming 2 6 3 0 2 Pacific Contiguous 0 1 2 0 0 California 0 1 2 0 0 Pacific Noncontiguous 1 2 2 0 Maska 3 6 <						2
Mountain 1 3 2 0 Arizona 1 2 4 0 Colorado 2 4 7 0 Idaho 1 4 4 0 Montana 2 5 10 0 2 Nevada 1 20 1 0 5 New Mexico 3 7 9 0 3 Utah 3 5 3 0 2 Wyoming 2 6 3 0 2 Pacific Contiguous 0 1 2 0 0 California 0 1 2 0 0 Oregon 1 7 8 0 2 Washington 1 3 6 0 0 Pacific Noncontiguous 1 2 2 0 0 Hawaii 0 0 0 0 0 0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td>						1
Arizona 1 2 4 0 Colorado 2 4 7 0 Idaho 1 4 4 0 Montana 2 5 10 0 Nevada 1 20 1 0 New Mexico 3 7 9 0 Utah 3 5 3 0 Wyoming 2 6 3 0 Pacific Contiguous 0 1 2 0 California 0 1 2 0 Oregon 1 7 8 0 Washington 1 3 6 0 Pacific Noncontiguous 1 2 2 0 Alaska 3 6 10 0 Hawaii 0 0 0 0 0						1
Colorado 2 4 7 0 2 Idaho 1 4 4 4 0 Montana 2 5 10 0 2 Nevada 1 20 1 0 9 New Mexico 3 7 9 0 3 Utah 3 5 3 0 2 Wyoming 2 6 3 0 2 Pacific Contiguous 0 1 2 0 0 California 0 1 2 0 0 Oregon 1 7 8 0 2 Washington 1 3 6 0 0 Pacific Noncontiguous 1 2 2 0 0 Alaska 3 6 10 0 0 0						1
Idaho 1 4 4 0 Montana 2 5 10 0 2 Nevada 1 20 1 0 8 New Mexico 3 7 9 0 3 Utah 3 5 3 0 2 Wyoming 2 6 3 0 2 Pacific Contiguous 0 1 2 0 0 California 0 1 2 0 0 Oregon 1 7 8 0 2 Washington 1 3 6 0 0 Pacific Noncontiguous 1 2 2 0 0 Alaska 3 6 10 0 0 0						2
Montana 2 5 10 0 2 Nevada 1 20 1 0 6 New Mexico 3 7 9 0 3 Utah 3 5 3 0 2 Wyoming 2 6 3 0 2 Pacific Contiguous 0 1 2 0 0 California 0 1 2 0 0 Oregon 1 7 8 0 2 Washington 1 3 6 0 0 Pacific Noncontiguous 1 2 2 0 0 Alaska 3 6 10 0 0 0 Hawaii 0 0 0 0 0 0 0						4
Nevada 1 20 1 0 6 New Mexico 3 7 9 0 3 Utah 3 5 3 0 2 Wyoming 2 6 3 0 2 Pacific Contiguous 0 1 2 0 0 California 0 1 2 0 0 Oregon 1 7 8 0 2 Washington 1 3 6 0 0 Pacific Noncontiguous 1 2 2 0 0 Alaska 3 6 10 0 0 0 Hawaii 0 0 0 0 0 0 0						1
New Mexico 3 7 9 0 3 Utah 3 5 3 0 2 Wyoming 2 6 3 0 2 Pacific Contiguous 0 1 2 0 0 0 California 0 1 2 0 0 0 0 0 0 0 Oregon 1 7 8 0 2 0 <t< td=""><td></td><td>2</td><td></td><td></td><td></td><td>2</td></t<>		2				2
Utah 3 5 3 0 2 Wyoming 2 6 3 0 2 Pacific Contiguous 0 1 2 0 0 0 California 0 1 2 0		1				
Wyoming 2 6 3 0 2 Pacific Contiguous 0 1 2 0 0 California 0 1 2 0 - Oregon 1 7 8 0 2 Washington 1 3 6 0 0 Pacific Noncontiguous 1 2 2 0 - Alaska 3 6 10 0 0 3 Hawaii 0 0 0 0 0 0 0						
Pacific Contiguous 0 1 2 0 0 California 0 1 2 0						
California 0 1 2 0 6 0 2 0 2 0 2 0 2 0 2 0						
Oregon 1 7 8 0 2 Washington 1 3 6 0 Pacific Noncontiguous 1 2 2 0 4 Alaska 3 6 10 0 0 3 Hawaii 0 0 0 0 0 0 0						
Washington 1 3 6 0 Pacific Noncontiguous 1 2 2 0 4 Alaska 3 6 10 0 3 Hawaii 0 0 0 0 0						1
Pacific Noncontiguous 1 2 2 0 1 Alaska 3 6 10 0 3 Hawaii 0 0 0 0 0 0						2
Alaska 3 6 10 0 3 Hawaii 0 0 0 0 0 0						1
Hawaii 0 0 0 0 0						1
	Alaska					3
U.S. Total 0 0 1 3	Hawaii	0	0	0	0	C
	U.S. Total	0	0	1	3	0

Table A.8.A. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, January 2015

Census Region and State	Residential		Industrial	Transportation	To
New England	0	1	2	0	
Connecticut	0	1	5	0	
Maine	0	2	1	0	
Massachusetts	1	0	5	0	
New Hampshire	0			0	
Rhode Island	0		0		
Vermont	1	1	3		
Middle Atlantic	0			0	
New Jersey	2	1	2	0	
New York	0	0	1	0	
Pennsylvania	0	2	3	0	
East North Central	0			0	
Illinois	0			0	
	1	1	1	0	
Indiana				-	
Michigan	0			0	
Ohio	0			0	
Wisconsin	1	1	2	0	
West North Central	0	0	1	0	
Iowa	1	1	3	0	
Kansas	1	1	2	0	
Minnesota	1	1	2	0	
Missouri	1	1	2	0	
Nebraska	1	1		0	
North Dakota	1	1	3	0	
South Dakota	2	2	4	0	
South Atlantic	0	0	1	23	
Delaware	10	8	10	0	
District of Columbia	18	6		75	
	0			0	
Florida					
Georgia	1	1	2	0	
Maryland	2				
North Carolina	1	1	1	0	
South Carolina	1	1	1	0	
Virginia	0	0	1	0	
West Virginia	0	0	0	0	
East South Central	0			0	
Alabama	1	1	1	0	
		1	1	_	
Kentucky	1			0	
Mississippi	1	1	2	0	
Tennessee	1	1	2	0	
West South Central	0	0	1	0	
Arkansas	1	1	2	0	
Louisiana	1	1	1	0	
Oklahoma	1	1	2	0	
Texas	0		1	0	
Mountain	0			0	
Arizona	1	1	2	0	
Colorado	1	1	3	0	
Idaho	1	1	2	0	
Montana	2	2	6	0	
Nevada	0	20	1	0	
New Mexico	1	2		0	
		1		0	
Utah	1				
Wyoming	2			0	
Pacific Contiguous	0			0	
California	0	0	1	0	
Oregon	1	6	4	0	
Washington	1	1			
Pacific Noncontiguous	1	2		0	
Alaska Hawaii	2	4		0	
	0	0	0	0	
U.S. Total	0	0	0	3	

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 January 2015

by End-Use Sector, Cens				Tuenementetien	Total
Census Region and State		Commercial	Industrial	Transportation	Total
New England	0	1	2	0	1
Connecticut	0	1	5		1
Maine	0	2	1	0	1
Massachusetts	1	0	5		1
New Hampshire	0	0	2	0	1
Rhode Island	0	12	0		
Vermont	1	1	3	0	1
Middle Atlantic	0	1	1	0	(
New Jersey	2	1	2	0	1
New York	0	0	1	0	(
Pennsylvania	0	2	3	0	
East North Central	0	0	1	0	(
Illinois	0	0		0	
Indiana	1	1	1	0	
Michigan	0	0	1	0	-
Ohio	0	0	1	0	
	1				
Wisconsin		1	2	0	
West North Central	0	0	1	0	
lowa	1	1	3		
Kansas	1	1	2		
Minnesota	1	1	2		•
Missouri	1	1	2	0	1
Nebraska	1	1	4	0	1
North Dakota	1	1	3	0	1
South Dakota	2	2	4	0	1
South Atlantic	0	0	1	23	C
Delaware	10	8		0	7
District of Columbia	18	6	31	75	7
Florida	0	0	2	0	
Georgia	1	1	2	0	
Maryland	2	2	5	0	,
North Carolina	1	1	1	0	
	1	1	1	0	
South Carolina					
Virginia	0	0	1	0	
West Virginia	0	0	0		
East South Central	0	0	1	0	
Alabama	1	1	1	0	
Kentucky	1	1	1	0	
Mississippi	1	1	2		•
Tennessee	1	1	2	0	•
West South Central	0	0	1	0	
Arkansas	1	1	2	0	
Louisiana	1	1	1	0	(
Oklahoma	1	1	2	0	1
Texas	0	1	1	0	(
Mountain	0	2	1	0	
Arizona	1	1	2	0	(
Colorado	1	1	3		
Idaho	1	1	2		
Montana	2	2	6		
	0	20	1	0	
Nevada New Mayica					
New Mexico	1	2			
Utah	1	1	1	0	
Wyoming	2	1	1		
Pacific Contiguous	0	1	1	0	
California	0	0		0	
Oregon	1	6	4		
Washington	1	1	3		
Pacific Noncontiguous	1	2	1	0	,
Alaska	2	4	4	0	2
Hawaii	0	0			
U.S. Total	0	0			
5.5. 1044	<u>_</u>	<u></u>		·	

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2015

			Restoration Date and			NERC				Number of Customers
Year	Month	Event Date and Time		Duration	Utility/Power Pool	Region	Area Affected	Type of Disturbance	Loss (megawatts)	
								Public appeal to reduce the use		
								of electricity - Severe Weather -		
2015	1	01/07/2015 5:00 PM	01/08/2015 8:35 AM	15 Hours, 35 Minutes	Memphis Light Gas and Water Division	SERC		Winter	Unknown	Unknown
							Tennessee, Kentucky, Virginia,	Public appeal to reduce the use		
							North Carolina, Georgia,	of electricity - Severe Weather -		
2015	1	01/07/2015 5:00 PM	01/08/2015 8:35 AM	15 Hours, 35 Minutes	Tennessee Valley Authority	SERC	Alabama, Missouri	Winter	Unknown	Unknown

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

Table B.	2 Major Di	sturbances and Unu	sual Occurrences, 2	014						Number of
Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Customers Affected
2014	1	01/06/2014 7:01 AM	01/07/2014 9:00 AM	25 Hours, 59 Minutes	ERCOT	TRE	Texas	Public Appeal due to Severe Weather - Cold	N/A	N/A
2014	1	01/06/2014 7:50 PM	01/06/2014 8:44 PM	0 Hours, 54 Minutes	PPL Electric Utilities Corp	RFC	Pennsylvania		Unknown	Unknown
2014	1	01/06/2014 7:50 PM	01/06/2014 8:44 PM	0 Hours, 54 Minutes	PJM Interconnection	RFC	Unknown	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 7:50 PM	01/06/2014 8:44 PM	0 Hours, 54 Minutes	Potomac Electric Power Co	RFC	District of Columbia		Unknown	Unknown
2014	1	01/06/2014 7:50 PM	01/06/2014 8:49 PM	0 Hours, 59 Minutes	UGI Utilities, Inc	RFC	Pennsylvania	Voltage Reduction due to Severe Weather - Cold	200	62000
2014	1	01/06/2014 7:52 PM	01/06/2014 8:45 PM	0 Hours, 53 Minutes	Delmarva Power & Light Company	RFC	Delaware	Voltage Reduction due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 8:45 PM	01/07/2014 9:00 PM	24 Hours, 15 Minutes	PJM Interconnection	RFC	Unknown	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/06/2014 10:00 PM	01/06/2014 10:01 PM	0 Hours, 1 Minutes	Louisville Gas & Electric Co	RFC	Kentucky	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 6:00 AM	01/07/2014 8:30 AM	2 Hours, 30 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/07/2014 6:00 AM	01/07/2014 8:30 AM	2 Hours, 30 Minutes	Tennessee Valley Authority	SERC	Northeast Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	,	04/07/0044 7.50 444	04/07/0044 44-00 484	Ollows OMinator	Data Farma Branco	SERC	North Carolina	Voltage Reduction; Public Appeal due to Severe Weather - Cold	14435	Unknown
2014	1	01/07/2014 7:58 AM 01/07/2014 9:30 AM	01/07/2014 11:00 AM 01/08/2014 9:30 AM	3 Hours, 2 Minutes 24 Hours, 0 Minutes	Duke Energy Progress Duke Energy Carolinas	SERC	Piedmont North Carolina, Piedmont South Carolina	Fuel Supply Emergency due to	Unknown	Unknown
2014	1	01/07/2014 9:30 AM	01/09/2014 9:00 AM			RFC	Illinois	Fuel Supply Emergency - Natural Gas	N/A	
2014	1	01/07/2014 10:59 AM 01/07/2014 4:15 PM	01/08/2014 9:00 AM 01/08/2014 1:20 PM	46 Hours, 1 Minutes 21 Hours, 5 Minutes	Prairie Power, Inc. Duke Energy Progress	SERC	North Carolina	Public Appeal due to Severe	Unknown	N/A Unknown
2014	1	01/07/2014 4:15 PM	01/08/2014 1:20 PM	21 Hours, 5 Minutes	Duke Energy Progress	SERC	North Carolina		Unknown	Unknown
2014		01/07/2014 6:00 PM	01/07/2014 11:00 PM	5 Hours, 0 Minutes	South Carolina Electric and Gas	SERC	South Carolina	Voltage Reduction; Public Appeal; Load Shed 100+MW due to Severe Weather - Cold	4853	677858
	1		01/07/2014 11:00 PM		PJM Interconnection	RFC		Public Appeal due to Severe		
2014	1	01/07/2014 9:00 PM 01/08/2014 5:00 AM	01/08/2014 9:00 AM 01/08/2014 6:30 AM	12 Hours, 0 Minutes 1 Hours, 30 Minutes	American Electric Power	RFC	Unknown	Weather - Cold Voltage Reduction due to Severe Weather - Cold	Unknown 576	Unknown
2014		01/06/2014 S.00 AM	01/00/2014 6.30 AW	i riodis, 30 Milides	American Electric Power	KFC	OHKHOWH		576	UIKIOWII
2014	,	04/00/0044 0:00 444	01/08/2014 9:00 AM	Ollows OMinator	South Carolina Electric and Gas	SERC	South Carolina	Voltage Reduction; Public Appeal; Load Shed 100+MW due to Severe Weather - Cold	4545	677858
	1	01/08/2014 6:00 AM	01/28/2014 9:00 AM	3 Hours, 0 Minutes				Fuel Supply Emergency -		
2014	1	01/17/2014 10:30 AM 01/18/2014 9:00 AM	01/28/2014 9:00 AM 01/18/2014 9:45 AM	262 Hours, 30 Minutes 0 Hours, 45 Minutes	Prairie Power, Inc.	RFC TRE	Illinois	Public Appeal to Reduce	Unknown	Unknown
2014	1	01/18/2014 5:39 PM	01/18/2014 9:45 AW ongoing	ongoing	First Energy Solutions Corp.	RFC	Unknown	Electricity Usage Electrical System Islanding		Unknown
2014	1	01/23/2014 4:00 AM	01/24/2014 12:00 PM	32 Hours, 0 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/23/2014 1:04 PM	01/24/2014 9:00 AM	19 Hours, 56 Minutes	PJM Interconnection	RFC	Maryland	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/23/2014 4:00 PM	01/24/2014 12:00 PM	20 Hours, 0 Minutes	Tennessee Valley Authority	SERC	Tennessee	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014	1	01/24/2014 12:00 AM	ongoing	ongoing	We Energies	RFC	Wisconsin	Fuel Supply Emergency - Coal	Unknown	
2014	1	01/27/2014 2:20 PM	01/28/2014 9:00 PM	30 Hours, 40 Minutes	PJM Interconnection	RFC	Maryland	Public Appeal due to Severe Weather - Cold	Unknown	Unknown
2014 2014	2	02/05/2014 12:00 AM 02/05/2014 1:00 AM	02/09/2014 6:00 PM 02/09/2014 8:40 PM	114 Hours, 0 Minutes 115 Hours, 40 Minutes	FirstEnergy Corp: Potomac Edison FirstEnergy Corp: Met-Ed	RFC RFC	Maryland, West Virginia Pennsylvania	Severe Weather - Snow/Ice Severe Weather - Snow/Ice	Unknown Unknown	101580 144000
2014	2	02/05/2014 5:00 AM	02/05/2014 5:01 AM	0 Hours, 1 Minutes	Exelon Corporation/PECO	RFC	Pennsylvania	Severe Weather - Snow/Ice	Unknown	715000
2014	2	02/05/2014 7:00 AM	02/23/2014 7:00 AM	432 Hours, 0 Minutes	Upstate New York Power Producers	NPCC	New York Lancaster Region,	Fuel Supply Emergency - Coal	300	Unknown
2014 2014	2	02/05/2014 7:35 AM 02/05/2014 8:05 AM	02/07/2014 4:03 AM 02/05/2014 8:06 AM	44 Hours, 28 Minutes 0 Hours, 1 Minutes	PPL Electric Utilities Corp Baltimore Gas & Electric Company	RFC RFC	Pennsylvania Baltimore, Maryland	Severe Weather - Snow/Ice Severe Weather - Ice	Unknown 800	62159 181000
2014	2	02/06/2014 1:00 PM	02/06/2014 10:00 PM	9 Hours, 0 Minutes	California ISO	WECC	California	Fuel Supply Emergency - Natural Gas	4000	Unknown
2014	2	02/06/2014 1:05 PM	02/06/2014 7:15 PM	6 Hours, 10 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Fuel Supply Emergency - Natural Gas	160	Unknown
2014	2	02/06/2014 1:58 PM	02/06/2014 8:40 PM	6 Hours, 42 Minutes	American Electric Power	TRE	Rio Grande Valley Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/06/2014 2:15 PM	02/06/2014 7:39 PM	5 Hours, 24 Minutes	Southern California Edison	WECC	California	Fuel Supply Emergency - Natural Gas	611	Unknown
2014	2	02/06/2014 3:35 PM	02/07/2014 11:30 AM	19 Hours, 55 Minutes	ERCOT	TRE	ERCOT Region Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/07/2014 7:00 AM	03/21/2014 8:00 AM	1,009 Hours, 0 Minutes	Somerset Operating Company, LLC	NPCC	Niagara County New York	Fuel Supply Emergency - Coal	675	Unknown
2014	2	02/07/2014 4:30 PM	02/08/2014 9:00 AM	16 Hours, 30 Minutes	ERCOT	TRE	ERCOT Region Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/07/2014 4:50 PM	02/07/2014 8:30 PM	3 Hours, 40 Minutes	American Electric Power	TRE	Texas	Public Appeal to Reduce Electricity Usage	Unknown	Unknown
2014	2	02/12/2014 7:48 AM	02/15/2014 4:30 AM	68 Hours, 42 Minutes	Southern Company	SERC	Northern/Northeastern Georgia		1246	373835
2014 2014	2	02/12/2014 11:03 AM 02/12/2014 12:10 PM	02/15/2014 8:40 AM 02/15/2014 3:20 PM	69 Hours, 37 Minutes 75 Hours, 10 Minutes	South Carolina Electric and Gas Duke Energy Progress	SERC SERC	South Carolina North Carolina		700 Unknown	120124 200000
2014	2	02/20/2014 4:40 PM	02/21/2014 11:59 PM	31 Hours, 19 Minutes	Ameren Missouri	SERC	Missouri, Illinois	Severe Weather -		66000
2014	2	02/21/2014 2:53 AM	02/21/2014 9:00 PM	18 Hours, 7 Minutes	Southern Company	SERC	Northern/Northeastern Georgia	Thunderstorms/High Winds Public Appeal due to Severe	221	66445
2014	3	03/02/2014 7:00 PM	03/04/2014 9:00 AM	38 Hours, 0 Minutes	ERCOT	TRE	ERCOT Region Texas Mid-Columbia River Generation,	Weather - Cold	N/A	N/A
2014	3	03/03/2014 1:48 AM	03/03/2014 1:49 AM	0 Hours, 1 Minutes	Public Utility District #1 of Chelan County (CHPD)	WECC		Fuel Supply Emergency - Hydro	630	Unknown
2014	3	03/03/2014 6:40 AM	03/03/2014 3:28 PM	8 Hours, 48 Minutes	Tennessee Valley Authority	SERC		Severe Weather - Winter Storm	Unknown	65904
2014	3	03/04/2014 9:06 AM	03/17/2014 9:06 AM	312 Hours, 0 Minutes	Wisconsin Public Service Corp	MRO	Weston, Wisconsin		Unknown	Unknown
2014	3	03/07/2014 3:30 AM	03/07/2014 9:00 PM	17 Hours, 30 Minutes	Duke Energy Carolinas	SERC		Severe Weather - Winter Storm	1500	370900
2014	3	03/12/2014 7:35 PM	03/13/2014 12:00 PM	16 Hours, 25 Minutes	Duke Energy Carolinas	SERC	North Carolina	Electrical System Separation	250	61377
2014	3	03/26/2014 1:37 PM	03/26/2014 2:33 PM	0 Hours, 56 Minutes	Peak Reliability	WECC	Montana	(Islanding) System Wide Voltage	Unknown	Unknown
2014	3	03/31/2014 3:41 PM	03/31/2014 8:08 PM	4 Hours, 27 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	Reduction	Unknown	Unknown
2014	4	04/03/2014 12:00 AM	ongoing	ongoing	City of Garland / Texas Municipal Power Agency	TRE	Texas		Unknown	Unknown
2014 2014	4 4	04/03/2014 2:45 PM 04/04/2014 3:30 AM	04/09/2014 11:53 AM 04/04/2014 8:15 AM	141 Hours, 8 Minutes 4 Hours, 45 Minutes	We Energies Entergy Services, Inc.	MRO SERC	Wisconsin Central Arkansas		Unknown Unknown	Unknown 57200
2014	4	04/08/2014 11:09 AM	04/08/2014 11:20 AM	0 Hours, 11 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	Severe Weather -	Unknown	Unknown
2014 2014	4	04/12/2014 6:15 PM 04/12/2014 8:00 PM	04/14/2014 9:00 AM 04/15/2014 7:30 PM	38 Hours, 45 Minutes 71 Hours, 30 Minutes	Consumers Energy Detroit Edison Company	RFC RFC	Western and Central Michigan Michigan	Thunderstorms Severe Weather	Unknown Unknown	50000 164000
2014	4	04/23/2014 7:45 PM	04/23/2014 8:37 PM	0 Hours, 52 Minutes	MISO / Entergy Transmission	SERC	Baton Rouge, Louisiana	Load shedding of 100 Megawatts	163	28000
2014	4	04/24/2014 3:02 PM	04/24/2014 5:13 PM	2 Hours, 11 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	4	04/27/2014 9:15 AM	ongoing	ongoing	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	9750	4000000
2014	4	04/29/2014 9:37 AM	05/01/2014 9:00 AM	47 Hours, 23 Minutes	Tennessee Valley Authority	SERC	Northeastern Mississippi, Northern Alabama	Severe Weather - Thunderstorms	Unknown	57000
2014	4	04/29/2014 11:30 PM	04/29/2014 12:30 PM	-11 Hours, 0 Minutes	Southern Company	SERC	Mississippi, Alabama	Severe Weather - Thunderstorms	355	106648
2014	4	04/30/2014 3:50 AM	04/30/2014 2:00 PM	10 Hours, 10 Minutes	Southern Company	SERC	Alabama, Florida, Georgia	Severe Weather - Thunderstorms	296	89000

Table B.	.2 Major Di	isturbances and Unu	isual Occurrences, 2	2014			T	Г		Number of
Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Customers Affected
2014	5	05/09/2014 6:00 PM	05/11/2014 1:00 PM	43 Hours, 0 Minutes	Vectren Energy Delivery of Indiana	RFC	Indiana	Severe Weather - Heavy Winds	Unknown	56000
2014	5	05/14/2014 3:34 PM	ongoing	ongoing	San Diego Gas & Electric Company	WECC	San Diego & Orange Counties, California	Public Appeal to Reduce Electricity Usage - Wild Fires	N/A	N/A
2014	5	05/15/2014 10:43 AM	ongoing	ongoing	San Diego Gas & Electric Co	WECC	San Diego & Orange Counties, California	Public Appeal to Reduce Electricity Usage - Wild Fires	3300	1400000
2014	5	05/16/2014 10:43 AM	05/16/2014 9:00 PM	10 Hours, 17 Minutes	San Diego Gas & Electric Co	WECC	San Diego & Orange Counties, California	Public Appeal to Reduce Electricity Usage - Wild Fires	3900	1400000
2014	5	05/26/2014 12:31 PM	05/26/2014 1:18 PM	0 Hours, 47 Minutes	Peak Reliability	WECC	British Columbia & Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	6	06/03/2014 3:32 PM	06/03/2014 3:59 PM	0 Hours, 27 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Islanding Severe Weather -	338	
2014	6	06/05/2014 3:00 AM 06/05/2014 1:06 PM	06/07/2014 11:45 PM 06/05/2014 1:07 PM	68 Hours, 45 Minutes 0 Hours, 1 Minutes	Memphis Light Gas and Water Division Tennessee Valley Authority	SERC	Shelby County, Tennessee West Tennessee	Thunderstorms Severe Weather - Thunderstorms	494 Unknown	38500 56475
2014	6	06/06/2014 1:00 PM	ongoing	ongoing	Luminant Energy Company, LLC	ERCOT	Texas	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	6	06/07/2014 11:00 PM	06/08/2014 5:30 AM	6 Hours, 30 Minutes	Southern Company	SERC	North and Central , Alabama	Severe Weather - Thunderstorms	217	65000
2014	6	06/09/2014 11:07 AM	06/09/2014 11:30 AM	0 Hours, 23 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Islanding Severe Weather -	Unknown	Unknown
2014	6	06/10/2014 9:50 PM	06/11/2014 2:30 PM	16 Hours, 40 Minutes	American Electric Power	RFC	West Virginia	Thunderstorms Severe Weather -	Unknown	66383
2014	6	06/15/2014 12:00 AM	06/15/2014 1:00 AM	1 Hours, 0 Minutes	Xcel Energy	MRO	Central Minnesota	Thunderstorms Severe Weather -	Unknown	55951
2014	6	06/18/2014 5:00 PM 06/27/2014 1:21 PM	06/20/2014 3:00 PM ongoing	46 Hours, 0 Minutes ongoing	Detroit Edison Co We Energies	RFC MRO	Southeast Michigan Wisconsin	Thunderstorms Fuel Supply Emergency - Coal	Unknown	138802 Unknown
2014	6	06/30/2014 5:55 PM	07/01/2014 2:53 AM	8 Hours, 58 Minutes	We Energies	MRO	Southeast Wisconsin	Severe Weather - Thunderstorms	424	120000
2014	6	06/30/2014 8:00 PM	07/02/2014 6:30 PM	46 Hours, 30 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather - Thunderstorms	Unknown	420000
2014	6	06/30/2014 11:20 PM	07/01/2014 5:00 PM	17 Hours, 40 Minutes	Northern Indiana Public Service Company	RFC	North Central Indiana	Severe Weather - Thunderstorms	Unknown	127000
2014	7	07/01/2014 3:30 AM	ongoing	ongoing	Consumers Energy Co	RFC	Southwest Michigan	Severe Weather - Thunderstorms	Unknown	51000
2014	7	07/01/2014 4:00 AM	07/03/2014 11:30 PM	67 Hours, 30 Minutes	Detroit Edison Co	RFC	Southeast Michigan	Severe Weather - Thunderstorms	Unknown	140000
2014	7	07/01/2014 5:00 AM	07/02/2014 2:00 AM	21 Hours, 0 Minutes	American Electric Power	RFC	Indiana, Michigan	Severe Weather - Thunderstorms	Unknown	57237
2014	7	07/02/2014 8:39 AM	07/28/2014 3:13 PM	630 Hours, 34 Minutes	We Energies	MRO	Wisconsin	Fuel Supply Emergency - Coal Severe Weather -	Unknown	Unknown
2014	7	07/03/2014 6:00 PM	07/06/2014 12:00 PM	66 Hours, 0 Minutes	Exelon Corporation/PECO	RFC	Pennsylvania Vermont, New Hampshire,	Thunderstorms	Unknown	298165
2014	7	07/03/2014 10:55 PM	07/04/2014 1:50 AM	2 Hours, 55 Minutes	ISO New England	NPCC	Maine, Rhode Island, Massachusetts, Connecticut	Severe Weather - Thunderstorms	Unknown	64000
2014	7	07/08/2014 5:30 PM	07/10/2014 3:00 PM	45 Hours, 30 Minutes	PPL Electric Utilities Corp	RFC	Central and Northeastern Pennsylvania	Severe Weather - Thunderstorms	Unknown	66000
2014	7	07/08/2014 5:30 PM	07/12/2014 11:20 PM	101 Hours, 50 Minutes	FirstEnergy Corp: Potomac Edison	RFC	Maryland, West Virginia	Severe Weather - Thunderstorms Severe Weather -	Unknown	96000
2014	7	07/08/2014 5:30 PM	07/12/2014 11:30 PM	102 Hours, 0 Minutes	FirstEnergy Corp: Mon Power	RFC	West Virginia	Thunderstorms Severe Weather -	Unknown	71000
2014	7	07/08/2014 6:00 PM	07/11/2014 5:53 PM	71 Hours, 53 Minutes	FirstEnergy Corp: Met-Ed Niagara Mohawk Power Corporation (dba National	RFC	Eastern Pennsylvania	Thunderstorms Severe Weather -	Unknown	69000
2014	7	07/08/2014 7:21 PM	07/11/2014 7:00 AM	59 Hours, 39 Minutes	Grid)	NPCC	Upstate New York	Thunderstorms Severe Weather -	Unknown	65000
2014	7	07/08/2014 8:30 PM	07/11/2014 11:00 PM	74 Hours, 30 Minutes	Exelon Corporation/PECO	RFC	Pennsylvania	Thunderstorms Severe Weather -	Unknown	260000
2014	7	07/08/2014 9:31 PM	ongoing	ongoing	Baltimore Gas & Electric Company	RFC	Maryland	Thunderstorms Severe Weather -	Unknown	56600
2014	7	07/23/2014 7:14 PM	07/24/2014 12:23 AM	5 Hours, 9 Minutes	American Electric Power	SERC	Arkansas, Louisiana	Thunderstorms Load shedding of 100	Unknown	57299 26856
2014	7	07/24/2014 4:29 PM 07/27/2014 5:00 PM	07/24/2014 11:32 PM 07/28/2014 11:00 PM	7 Hours, 3 Minutes 30 Hours, 0 Minutes	Southern California Edison Detroit Edison Co	RFC	California Southeast Michigan	Megawatts Severe Weather - Thunderstorms	126 Unknown	156611
2014	7	07/27/2014 11:00 PM	07/28/2014 4:00 AM	5 Hours, 0 Minutes	California Department of Water Resources	WECC	Central California	Uncontrolled Loss of 300 Megawatts	480	1
2014	8	08/13/2014 6:08 AM	08/13/2014 6:34 AM	0 Hours, 26 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	370	Unknown
2014	8	08/20/2014 1:21 AM	08/20/2014 1:41 AM	0 Hours, 20 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding) Operational Failure of Electrical	Unknown	Unknown
2014	8	08/23/2014 4:39 PM	08/24/2014 1:46 AM	9 Hours, 7 Minutes	Illinois Municipal Electric Agency	RFC	City of Highland, Illinois North of San Francisco,	System	31	6549
2014	8	08/24/2014 3:20 AM	08/25/2014 7:05 AM	27 Hours, 45 Minutes	PG&E	WECC	California	Earthquake Severe Weather -	95	70000
2014	8	08/26/2014 3:30 PM	ongoing	ongoing	Detroit Edison Co	RFC	Southeast Michigan	Thunderstorms Severe Weather -	Unknown	Unknown
2014	9	09/05/2014 4:30 PM	09/06/2014 2:00 PM	21 Hours, 30 Minutes	Exelon Corporation / ComEd	RFC	Illinois	Thunderstorms Severe Weather -	Unknown	180400
2014	9	09/05/2014 7:14 PM		17 Hours, 46 Minutes	Consumers Energy Detroit Edison Co	RFC RFC	-	Thunderstorms Severe Weather - Thunderstorms	50	60000 324000
2014	9	09/05/2014 8:00 PM 09/09/2014 8:18 AM	ongoing 09/09/2014 11:59 PM	ongoing 15 Hours, 41 Minutes	Detroit Edison Co Peak Reliability	WECC	Michigan Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	9	09/11/2014 4:56 AM	09/11/2014 5:37 AM	0 Hours, 41 Minutes	Peak Reliability	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2014	9	09/14/2014 9:50 PM	09/17/2014 3:08 PM	65 Hours, 18 Minutes	Portland General Electric	WECC	Oregon	Electrical System Separation (Islanding)	1	123
2014	9	09/19/2014 2:20 PM	09/23/2014 1:10 PM	94 Hours, 50 Minutes	Portland General Electric	WECC	Estacada, Oregon	Electrical System Separation (Islanding)	1	123
2014	9	09/22/2014 11:00 AM	09/22/2014 11:01 AM	0 Hours, 1 Minutes	Minnesota Power Inc	MRO	Northeast Minnesota	Fuel Supply Emergency - Coal Severe Weather -	1000	140000
2014	10	10/02/2014 4:00 PM	10/07/2014 10:00 AM	114 Hours, 0 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas	Severe Weather - Thunderstorms Severe Weather -	Unknown	500000
2014	10	10/02/2014 10:15 PM	ongoing	ongoing	Entergy Services, Inc.	SERC	Arkansas	Thunderstorms Severe Weather -	Unknown	67300
2014	10	10/06/2014 10:52 AM	10/07/2014 12:52 AM	14 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston, Texas	Thunderstorms Public Appeal to Reduce	292	129237
2014	10	10/08/2014 4:47 PM	10/08/2014 6:29 PM	1 Hours, 42 Minutes	ERCOT	TRE	Rio Grande Valley Texas	Electricity Usage; Load Shed of 100 MW Public Appeal to Reduce	Unknown	Unknown
2014	10	10/08/2014 4:49 PM	10/08/2014 6:23 PM	1 Hours, 34 Minutes	American Electric Power - Texas	TRE	Rio Grande Valley Texas	Electricity Usage; Load Shed of 100 MW	585	120000
2014	10	10/09/2014 9:27 AM	ongoing	ongoing	American Electric Power	TRE	Rio Grande Valley Texas	Public Appeal to Reduce Electricity Usage Severe Weather -	Unknown	2800
2014	10	10/13/2014 12:45 PM	10/13/2014 4:15 PM	3 Hours, 30 Minutes	Entergy Services, Inc.	SERC	Louisiana	Thunderstorms Severe Weather -	Unknown	68600
2014 2014	10 10	10/14/2014 5:44 AM 10/14/2014 6:20 PM	10/14/2014 5:50 PM 10/14/2014 6:28 PM	12 Hours, 6 Minutes 0 Hours, 8 Minutes	Southern Company Puerto Rico Electric Power Authority	SERC N/A	Alabama, Florida, Georgia Puerto Rico	Thunderstorms Voltage Reduction	191 Unknown	57475 Unknown
20.4	10			21.000, 0 millios	. 23.1200 Electric Force Authority		New Hampshire, Maine, Massachusetts, Rhode Island,	. stage (coaddion)	Cincionii	CINCIONII
2014	10	10/22/2014 10:46 PM	10/22/2014 10:47 PM	0 Hours, 1 Minutes	ISO New England	NPCC	Connecticut, Vermont Greater Portland and Salem,	Severe Weather	Unknown	66650
2014	10	10/25/2014 4:00 PM	10/25/2014 10:00 PM	6 Hours, 0 Minutes	Portland General Electric Co	WECC	Oregon King County, Thurston County	Severe Weather - Wind	216	78000
2014	10	10/25/2014 6:00 PM	ongoing	ongoing	Puget Sound Energy	WECC	and Kitsap County, Washington	Severe Weather - Wind	154	96000

Table B.2 Major Disturbances and Unusual Occurrences, 2014

Table b.	Z Wajor Di	sturbances and Unu	sual Occurrences, 2	014						Number of
			Restoration Date and			NERC				Customers
Year	Month	Event Date and Time	Time	Duration	Utility/Power Pool	Region		Type of Disturbance	Loss (megawatts)	Affected
i eai	Month	Lvent Date and Time	111110	Duration	Othing/i Ower 1 cor	Region	Massachusetts, Maine,		Loss (megawatts)	Allected
							Vermont, New Hampshire.			
2014	11	11/02/2014 1:46 PM	ongoing	ongoing	ISO New England	NPCC		Severe Weather - Winter Storm	Unknown	63719
2014	11	11/11/2014 6:00 PM	11/14/2014 3:00 PM	69 Hours, 0 Minutes	Puget Sound Energy	WECC	Washington	Severe Weather - Wind	132	68000
2014	11	11/14/2014 9:50 AM	11/14/2014 1:18 PM	3 Hours, 28 Minutes	Portland General Electric Co	WECC			1	123
							Nebraska, Kansas, Texas,			
							Arkansas, Louisiana, New			
2014	11	11/24/2014 12:00 AM	ongoing	ongoing	Southwestern Public Service Company	SPP	Mexico	Fuel Supply Emergency - Coal	Unknown	Unknown
2014	11	11/24/2014 12:00 PM	11/27/2014 1:00 PM	73 Hours, 0 Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Wind	Unknown	186154
							New Hampshire,			
							Massachusetts, Maine, Rhode			
2014	11	11/26/2014 5:50 PM	11/28/2014 7:00 AM	37 Hours, 10 Minutes	ISO New England	NPCC	Island, Connecticut, Vermont	Severe Weather - Winter Storm	Unknown	79530
2014	12	12/11/2014 6:40 AM	ongoing	ongoing	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather- High Winds	Unknown	Unknown
								Distribution Interruption -		
2014	12	12/11/2014 7:21 AM	12/11/2014 9:53 PM	14 Hours, 32 Minutes	Pacific Gas & Electric Co	WECC	San Francisco, California	Unknown Cause	225	75000
2014	12	12/11/2014 4:05 PM	12/11/2014 9:00 PM	4 Hours, 55 Minutes	Portland General Electric Co	WECC			250	85470
							Kitsap, Thurston, Whatcom			
2014	12	12/11/2014 5:00 PM	12/12/2014 10:00 AM	17 Hours, 0 Minutes	Puget Sound Energy	WECC	counties Washington	Severe Weather- High Winds	116	264000
2014	12	12/11/2014 11:15 PM	ongoing	ongoing	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather- High Winds	Unknown	Unknown
2014	12	12/30/2014 1:08 PM	01/01/2015 4:50 PM	51 Hours, 42 Minutes	Pacific Gas & Electric Co	WECC	Northern California	Severe Weather- High Winds	127	84500

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 approxi-mately 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 approxi-mately 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 sample21,24. 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:

Percent Difference =
$$\left(\frac{x(t_2) - x(t_1)}{|x(t_1)|}\right) x 100$$
,

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 elec-tric 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 abbrebiations in the table below.

Prime Mover Code	Prime Mover Description
BA	Energy Storage, Battery
CE	Energy Storage, Compressed Air
СР	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
НВ	Hydrokinetic, Wave Buoy
HK	Hydrokinetic, Other
НҮ	Hydroelectric Turbine (including turbines associated with delivery of water by pipeline)
ВТ	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
ОТ	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
	ANT	Anthracite Coal
	BIT	Bituminous Coal
	LIG	Lignite Coal
Coal	SUB	Subbituminous Coal
	SGC	Coal-Derived Synthesis Gas
	WC	Waste/Other Coal (including anthracite culm, bituminous gob, fine coal, lignite waste, waste coal)
	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
Petroleum Products	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)
	BFG	Blast Furnace Gas
Natural Gas and Other Gases	NG	Natural Gas
	OG	Other Gas
Nuclear	NUC	Nuclear (including Uranium, Plutonium, and Thorium)
	WAT	Water at a Conventional
Under all atric Comments and	(Prime Mover = HY)	Hydroelectric Turbine, and water used in Wave Buoy
Hydroelectric Conventional		Hydrokinetic Technology, Current Hydrokinetic Technology, and Tidal Hydrokinetic Technology
I be also also attain December 2 of Changes	WAT	Pumping Energy for Reversible (Pumped Storage) Hydroelectric
Hydroelectric Pumped Storage	(Prime Mover = PS)	Turbine
	WDS	Wood/Wood Waste Solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids)
Wood and Wood-Derived Fuels	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
	MSW	Municipal Solid Waste
	OBG	Other Biomass Gas (including digester gas, methane, and other biomass gases)
Other Biomass	OBL	Other Biomass Liquids
	OBS	Other Biomass Solids
	LFG	Landfill Gas
	SLW	Sludge Waste
	SUN	Solar (including solar thermal)
Other Renewable Energy Sources	WND	Wind
	GEO	Geothermal
	PUR	Purchased Steam
	WH	Waste heat not directly attributed to a fuel source
Other Energy Sources	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 per-formed 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
Prime Movers:
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
Environmental Equipment:
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-	43	44	45	45	44	43	46	46	49	50
biogenic										

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-	23	23	24	24	25	34	35	35	36	36
biogenic										

Useful thermal output: With the implementation of the Form EIA-923, "Power Plant Operations Report," in 2008, combined heat and power (CHP) plants are required to report total fuel consumed and electric power generation. Beginning with the January 2008 data, EIA will estimate the allocation of the total fuel consumed at CHP plants between electric power generation and useful thermal output.

First, an efficiency factor is determined for each plant and prime mover type. Based on data for electric power generation and useful thermal output collected in 2003 (on Form EIA-906, "Power Plant Report") efficiency was calculated for each prime mover type at a plant. The efficiency factor is the total output in Btu, including electric power and useful thermal output (UTO), divided by the total input in Btu. Electric power is converted to Btu at 3,412 Btu per kilowatthour.

Second, to calculate the amount of fuel for electric power, the gross generation in Btu is multiplied by the efficiency factor. The fuel for UTO is the difference between the total fuel reported and the fuel for electric power generation. UTO is calculated by multiplying the fuel for UTO by the efficiency factor.

In addition, if the total fuel reported is less than the estimated fuel for electric power generation, then the fuel for electric power generation is equal to the total fuel consumed, and the UTO will be zero.

Conversion of petroleum coke to liquid petroleum: The quantity conversion is 5 barrels (of 42 U.S. gallons each) per short ton (2,000 pounds).

Conversion of propane gas to liquid petroleum: The quantity conversion is 1.53 Mcf (thousand cubic feet) per barrel (or 42 U.S. gallons each).

Conversion of synthesis gas from coal to coal: The quantity conversion is 98 Mcf (thousand cubic feet) per short ton (2,000 pounds).

Conversion of synthesis gas from petroleum coke to petroleum coke: The quantity conversion is 107.42 Mcf (thousand cubic feet) per short ton (2,000 pounds).

Issues within historical data series:

Receipts and cost and quality of fossil fuels

Values for receipts of natural gas for 2001 forward do not include blast furnace gas or other gas.

Historical data collected on FERC Form 423 and published by EIA have been reviewed for consistency between volumes and prices and for their consistency over time. However, these data were collected by FERC for regulatory rather than statistical and publication purposes. EIA did not attempt to resolve any late filing issues in the FERC Form 423 data. In 2003, EIA introduced a procedure to estimate for late or non-responding entities due to report on the FERC Form 423. Due to the introduction of this procedure, 2003 and later data cannot be directly compared to previous years' data. In January 2013, this estimation procedure was dropped.

Prior to 2008, regulated plants reported receipts data on the FERC Form 423. These plants, along with unregulated plants, now report receipts data on Schedule 2 of Form EIA-923. Because FERC issued waivers to the FERC Form 423 filing requirements to some plants who met certain criteria, and because not all types of generators were required to report (only steam turbines and combined-cycle units reported), a significant number of plants either did not submit fossil fuel receipts data or submitted only a portion of their fossil fuel receipts. Since Form EIA-923 does not have exemptions based on generator type or reporting waivers, receipts data from 2008 and later cannot be directly compared to previous years' data for the regulated sector. Furthermore, there may be a notable increase in fuel receipts beginning with January 2008 data.

Starting with the revised data for 2008, tables for total receipts begin to reflect estimation for all plants with capacity over 1 megawatt, to be consistent with other electric power data. Previous receipts data published have been a legacy of their original collection as information for a regulatory agency, not as a survey to provide more meaningful estimates of totals for statistical purposes. Totals appeared to become smaller as more electric production came from unregulated plants, until the Form EIA-423 was created to help fill that gap. As a further improvement, estimation of all receipts for the universe normally depicted in the EPM (i.e., 1 megawatt and above), with associated relative standard errors, provides a more complete assessment of the market.

Generation and consumption

Beginning in 2008, a new method of allocating fuel consumption between electric power generation and useful thermal output (UTO) was implemented. This new methodology evenly distributes a combined heat and power (CHP) plant's losses between the two output products (electric power and UTO). In the historical data, UTO was consistently assumed to be 80 percent efficient and all other losses at the plant were allocated to electric power. This change causes the fuel for electric power to be decreased while the fuel for UTO is increased as both are given the same efficiency. This results in the appearance of an increase in efficiency of production of electric power between periods.

Sensitive data: Most of the data collected on the Form EIA-923 are not considered business sensitive. However, the cost of fuel delivered to nonutilities, commodity cost of fossil fuels, and reported fuel stocks at the end of the reporting period are considered business sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

Average Capacity Factors

This section describes the methodology for calculating capacity factors by fuel and technology type for operating electric power plants. Capacity factor is a measure (expressed as a percent) of how often an electric generator operates over a specific period of time, using a ratio of the actual output to the maximum possible output over that time period.

The capacity factor calculation only includes operating electric generators in the Electric Power Sector (sectors 1, 2 and 3) using the net generation reported on the Form EIA-923 and the net summer capacity reported on the Form EIA-860. The capacity factor for a particular fuel/technology type is given by:

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

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

NERC classification

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

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

The new NERC Regional Council names are as follows:

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

Business classification

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

Agriculture, Forestry, and Fishing

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

Mining

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

2123 Mining and quarrying of nonmetallic minerals except fuels

Construction

23

Manufacturing

311	Food and kindred products
3122	Tobacco products
314	Textile and mill products
315	Apparel and other finished products made from fabrics and similar materials
316	Leather and leather products
321	Lumber and wood products, except furniture
322	Paper and allied products (other than 322122
222422	or 32213)
	Paper mills, except building paper
	Paperboard mills
323	Printing and publishing
324	Petroleum refining and related industries (other than 32411)
	•
325	Chemicals and allied products (other than
22542	325188, 325211, 32512, or 325311)
	Industrial organic chemicals
	Industrial Inorganic Chemicals
	Plastics materials and resins
	Nitrogenous fertilizers
326	Rubber and miscellaneous plastic products
327	Stone, clay, glass, and concrete products (other than 32731)
	Cement, hydraulic
331	Primary metal industries (other than 331111 or 331312)
	Blast furnaces and steel mills
	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,
225	watches and clocks
335	Electronic and other electrical equipment and components except computer equipment
336 337	Transportation equipment Furniture and fixtures
339	Miscellaneous manufacturing industries
JJJ	wiscenaneous manufacturing muustries

Transportation and Public Utilities

Electric, gas, and sanitary services
Natural gas transmission
Water supply
Irrigation systems
Sewerage systems
Transportation by air
Railroad transportation
Water transportation

- 484 Motor freight transportation and warehousing
- 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://interstat.statjournals.net/; 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 III: Ratios of Totals," InterStat, June 2000, https://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, January 2015 Natural Gas											
Census Division and State	Coal (Million Btu per Ton)	Petroleum Liquids (Million Btu per Barrel)	Petroleum Coke (Million Btu per Ton)	(Million Btu per Thousand Cubic Feet)							
New England	23.17	6.24		1.03							
Connecticut		5.83		1.03							
Maine	24.86	6.25		1.02							
Massachusetts	22.65	6.30		1.04							
New Hampshire	23.84	5.82		1.04							
Rhode Island				1.03							
Vermont											
Middle Atlantic	23.70	6.09		1.03							
New Jersey	25.80	5.87		1.04							
New York	20.89	6.15		1.03							
Pennsylvania	23.71	5.81		1.04							
East North Central	20.07	5.79	28.17	1.04							
Illinois	17.65	5.80		1.01							
Indiana	22.20	5.75	29.50	1.03							
Michigan	18.92	5.82	26.90	1.03							
Ohio	24.22	5.78	27.75	1.05							
Wisconsin	17.79	5.86	28.20	1.04							
West North Central	16.74	5.81		1.04							
lowa	17.38	5.71		1.05							
Kansas	17.24	5.75		1.03							
Minnesota	17.63	5.79		1.05							
Missouri	17.61	5.79		1.03							
Nebraska	16.92			1.05							
North Dakota	13.22	5.94		0.98							
South Dakota	16.53	6.00		1.06							
South Atlantic	23.55	5.93	28.24	1.03							
Delaware	26.24	6.34		1.06							
District of Columbia	-										
Florida	23.72	5.80	28.38	1.02							
Georgia	19.47	5.84	27.39	1.03							
Maryland	25.17	6.11		1.07							
North Carolina	24.85	5.78		1.03							
South Carolina	24.93	5.85		1.03							
Virginia	22.66	5.88		1.04							
West Virginia	24.61	5.77		1.05							
East South Central	21.05	5.77	28.20	1.03							
Alabama	20.23	5.78		1.03							
Kentucky	21.99	5.79	28.20	1.03							
Mississippi	15.55	5.82		1.03							
Tennessee	21.86	5.76		1.01							
West South Central	16.20	5.87	28.63	1.03							
Arkansas	17.58	5.80		1.04							
Louisiana	16.51	5.88	28.63	1.03							
Oklahoma	17.23	3.00	20.03	1.04							
Texas	15.67	5.85		1.03							
Mountain	18.69	5.71		1.03							
Arizona	19.25	5.60		1.03							
Colorado	18.92	5.80		1.03							
Idaho	10.92	5.60		1.01							
Montana	16.80			1.01							
Nevada	18.83	5.82		1.04							
New Mexico	17.92	5.66		1.05							
Utah	21.81	5.88		1.04							
	17.59			1.05							
Wyoming Pacific Contiguous	17.59	5.81		1.08							
California	23.00			1.03							
Oregon	17.36			1.02							
Washington	17.08			1.06							
Pacific Noncontiguous	20.70	6.22		1.00							
Alaska				1.00							
Hawaii	20.70	6.22		-							
U.S. Total	19.32	6.05	28.36	1.03							

^{&#}x27;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.

parison of Preliminary Monthly Data Versus Final Monthly Data at the U.S. Level, 2011 through 2013

Table C.2. Comparison of Preliminary W	ary Monthly Data Versus Final Monthly Data at the U.S. Level, 2011 through 2013 Mean Absolute Value of Percent Change								
	·								
Item	2011	Total (All Sectors) 2012	2013						
Net Generation									
Coal	0.15%	0.20%	0.31%						
Petroleum Liquids	2.67%	4.25%	4.04%						
Petroleum Coke	14.41%	2.45%	0.95%						
Natural Gas	0.41%	0.46%	0.98%						
Other Gases	2.95%	6.36%	5.81%						
Hydroelectric	2.03%	0.70%	0.65%						
Nuclear	0.00%	0.00%	0.00%						
Other	1.03%	1.08%	0.56%						
Total	0.16%	0.20%	0.19%						
Consumption of Fossil Fuels for Electricity Gen	eration								
Coal	0.23%	0.16%	0.07%						
Petroleum Liquids	2.90%	4.47%	3.49%						
Petroleum Coke	9.93%	3.99%	1.03%						
Natural Gas	0.28%	0.37%	0.99%						
Fuel Stocks for Electric Power Sector									
Coal	0.46%	0.57%	0.25%						
Petroleum Liquids	0.55%	0.64%	2.54%						
Petroleum Coke	2.64%	8.22%	0.08%						
Retail Sales									
Residential	0.15%	0.16%	0.27%						
Commercial	0.66%	0.39%	0.43%						
Industrial	1.61%	0.50%	2.47%						
Transportation	0.88%	2.44%	1.45%						
Total	0.64%	0.27%	0.90%						
Revenue									
Residential	0.73%	0.13%	0.33%						
Commercial	0.24%	0.20%	0.33%						
Industrial	0.58%	0.20%	2.76%						
Transportation	0.29%	1.09%	4.07%						
Total	0.31%	0.13%	0.76%						
Average Retail Price									
Residential	0.66%	0.10%	0.12%						
Commercial	0.79%	0.27%	0.11%						
Industrial	1.02%	0.39%	0.29%						
Transportation	1.08%	1.57%	2.70%						
Total	0.90%	0.21%	0.13%						
Receipt of Fossil Fuels									
Coal	1.15%	0.99%	2.50%						
Petroleum Liquids	5.25%	23.68%	0.79%						
Petroleum Coke	16.19%	13.72%	2.30%						
Natural Gas	0.52%	10.47%	0.47%						
Cost of Fossil Fuels									
Coal	0.31%	0.90%	0.18%						
Petroleum Liquids	1.55%	0.53%	0.14%						
Petroleum Coke	8.98%	11.66%	1.22%						
Natural Gas	0.50%	0.77%	0.02%						

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 Fosti Fuels represent weighted values.

Notes: Mean absolute value of percent change is the unweighted average of the absolute percent cannges.

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, 2011 through 2013

Table C.3. Comparison of Prelimi		2011			2012	ough zono		2013	
	Preliminary	Final	Percent	Preliminary	Final	Percent	Preliminary	Final	Percent
Item	Annual Data	Annual Data	Change	Annual Data	Annual Data	Change	Annual Data	Annual Data	Change
Net Generation (Thousand MWh)									
Coal	1,734,265	1,733,430	-0.05%	1,517,203	1,514,043	-0.21%	1,585,998	1,581,115	-0.31%
Petroleum Liquids	15,840	16,086	1.56%	13,209	13,403	1.47%	13,410	13,820	3.06%
Petroleum Coke	12,322	14,096	14.39%	9,691	9,787	0.99%	13,453	13,344	-0.81%
Natural Gas	1,016,595	1,013,689	-0.29%	1,230,708	1,225,894	-0.39%	1,113,665	1,124,836	1.00%
Other Gases	11,269	11,566	2.64%	11,212	11,898	6.11%	12,271	12,853	4.75%
Hydroelectric	319,162	312,934	-1.95%	271,878	271,290	-0.22%	264,713	263,884	-0.31%
Nuclear	790,225	790,204	0.00%	769,331	769,331	0.00%	789,017	789,016	0.00%
Other	206,057	208,135	1.01%	231,253	232,120	0.37%	265,683	267,096	0.53%
Total	4,105,734	4,100,141	-0.14%	4,054,485	4,047,765	-0.17%	4,058,209	4,065,964	0.19%
Consumption of Fossil Fuels for Electric	city Generation								
Coal (1,000 tons)	932,911	934,938	0.22%	826,700	825,734	-0.12%	860,790	860,729	-0.01%
Petroleum Liquids (1,000 barrels)	26,728	27,326	2.24%	22,523	22,604	0.36%	22,751	23,231	2.11%
Petroleum Coke (1,000 tons)	4,561	5,012	9.89%	3,552	3,675	3.44%	4,893	4,852	-0.83%
Natural Gas (1,000 Mcf)	7,880,481	7,883,865	0.04%	9,465,207	9,484,710	0.21%	8,512,483	8,596,299	0.98%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	175,100	172,387	-1.55%	184,923	185,116	0.10%	147,973	147,884	-0.06%
Petroleum Liquids (1,000 barrels)	35,260	34,847	-1.17%	31,897	32,224	1.03%	31,045	31,673	2.03%
Petroleum Coke (1,000 tons)	470	508	8.17%	495	495	-0.01%	390	390	-0.01%
Retail Sales (Million kWh)									
Residential	1,423,700	1,422,801	-0.06%	1,374,594	1,374,515	-0.01%	1,391,090	1,394,919	0.28%
Commercial	1,319,288	1,328,057	0.66%	1,323,844	1,327,101	0.25%	1,338,448	1,344,206	0.43%
Industrial	975,569	991,316	1.61%	980,837	985,714	0.50%	954,725	978,351	2.47%
Transportation	7,606	7,672	0.87%	7,504	7,320	-2.45%	7,525	7,625	1.32%
Total	3,726,163	3,749,846	0.64%	3,686,780	3,694,650	0.21%	3,691,789	3,725,101	0.90%
Revenue (Million Dollars)									
Residential	167,930	166,714	-0.72%	163,352	163,280	-0.04%	168,546	169,113	0.34%
Commercial	136,138	135,927	-0.16%	133,908	133,898	-0.01%	137,778	138,229	0.33%
Industrial	67,212	67,606	0.59%	65,691	65,761	0.11%	65,111	66,909	2.76%
Transportation	805	803	-0.25%	754	747	-0.90%	773	805	4.08%
Total	372,084	371,049	-0.28%	363,705	363,687	0.00%	372,208	375,055	0.76%
Average Retail Price (Cents/kWh)									
Residential	11.80	11.72	-0.66%	11.88	11.88	-0.04%	12.12	12.12	0.06%
Commercial	10.32	10.24	-0.81%	10.12	10.09	-0.25%	10.29	10.28	-0.10%
Industrial	6.89	6.82	-1.01%	6.70	6.67	-0.39%	6.82	6.84	0.28%
Transportation	10.58	10.46	-1.11%	10.05	10.21	1.59%	10.28	10.55	2.72%
Total	9.99	9.90	-0.91%	9.87	9.84	-0.22%	10.08	10.07	-0.14%
Receipt of Fossil Fuels									
Coal (1,000 tons)	945,581	956,538	1.16%	849,667	841,183	-1.00%	803,206	823,222	2.49%
Petroleum Liquids (1,000 barrels)	34,342	36,158	5.29%	25,485	19,464	-23.63%	20,348	20,413	0.32%
Petroleum Coke (1,000 tons)	5,163	5,980	15.82%	4,858	4,180	-13.95%	4,555	4,660	2.31%
Natural Gas (1,000 Mcf)	9,025,066	9,056,164	0.34%	10,631,822	9,531,389	-10.35%	8,463,303	8,503,424	0.47%
Cost of Fossil Fuels (Dollars per Million	Btu)								
Coal (1,000 tons)	2.40	2.39	-0.25%	2.40	2.38	-0.89%	2.35	2.34	-0.12%
Petroleum Liquids (1,000 barrels)	20.10	19.94	-0.76%	21.82	21.85	0.12%	20.59	20.56	-0.12%
Petroleum Coke (1,000 tons)	2.80	3.03	8.27%	2.54	2.24	-11.90%	2.16	2.17	0.70%
Natural Gas (1,000 Mcf)	4.71	4.72	0.41%	3.40	3.42	0.64%	4.33	4.33	0.03%

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 kilowatthour 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 2013 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 (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 (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 10percent 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 earths 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 abovementioned 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 though 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.

Watthour (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.