Independent Statistics & Analysis
U.S. Energy Information Administration

Electric Power Monthly
with Data for September 2013

November 2013

Independent Statistics & Analysis
www.eia.gov

U.S. Department of Energy
Washington, DC 20585

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Preface

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

Background

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

Data sources

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

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	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
Net Generation (Thousand Megawatthours)											
Coal	133,792	125,767	6.4%	99,501	95,104	33,179	29,481	54	58	1,058	1,124
Petroleum Liquids	965	985	-2.1%	669	746	259	194	NM	7	31	38
Petroleum Coke	1,023	879	16.5%	738	536	144	150	1	1	140	192
Natural Gas	101,199	108,206	-6.5%	43,431	44,686	50,240	55,995	495	480	7,032	7,045
Other Gas	945	893	5.7%	9	NM	277	224	NM	NM	658	668
Nuclear	65,799	64,511	2.0%	34,459	33,384	31,340	31,126	0	0	0	0
Hydroelectric Conventional	16,868	17,562	-4.0%	15,233	16,234	1,404	1,233	NM	NM	228	92
Other Renewables	18,911	15,291	23.7%	2,511	1,806	13,800	10,933	256	231	2,345	2,321
Wood and Wood-Derived Fuels	3,253	3,143	3.5%	218	156	774	736	NM	NM	2,258	2,249
Other Biomass	1,597	1,628	-1.9%	114	124	1,180	1,224	219	211	82	69
Geothermal	1,387	1,377	0.7%	92	95	1,295	1,282	0	0	0	0
Solar Thermal and Photovoltaic	954	462	106.2%	97	59	826	388	29	14	NM	NM
Wind	11,721	8,680	35.0%	1,989	1,372	9,724	7,303	NM	NM	NM	NM
Hydroelectric Pumped Storage	-389	-401	-2.8%	-297	-338	-92	-62	0	0	0	0
Other Energy Sources	1,057	1,042	1.5%	29	42	566	587	102	89	361	324
All Energy Sources	340,169	334,735	1.6%	196,283	192,200	131,117	129,861	916	869	11,853	11,805
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	72,838	69,490	4.8%	53,355	51,615	19,087	17,433	24	24	372	418
Petroleum Liquids (1000 barrels)	1,612	1,629	-1.1%	1,195	1,306	367	264	NM	11	40	48
Petroleum Coke (1000 tons)	374	313	19.5%	265	188	61	60	0	0	49	66
Natural Gas (1000 Mcf)	776,567	834,251	-6.9%	349,059	362,093	374,500	418,418	4,113	3,971	48,894	49,768
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,506	1,560	-3.4%	0	0	257	273	82	92	1,167	1,195
Petroleum Liquids (1000 barrels)	193	195	-1.4%	0	0	90	79	NM	7	94	109
Petroleum Coke (1000 tons)	82	93	-11.9%	0	0	8	9	1	1	73	82
Natural Gas (1000 Mcf)	73,073	73,579	-0.7%	0	0	26,351	26,325	3,389	3,842	43,332	43,412
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	74,345	71,050	4.6%	53,355	51,615	19,344	17,706	106	116	1,539	1,613
Petroleum Liquids (1000 barrels)	1,804	1,824	-1.1%	1,195	1,306	457	343	NM	18	135	158
Petroleum Coke (1000 tons)	456	406	12.3%	265	188	68	69	1	1	122	148
Natural Gas (1000 Mcf)	849,639	907,829	-6.4%	349,059	362,093	400,851	444,744	7,503	7,813	92,226	93,180
Fuel Stocks (end-of-month)											
Coal (1000 tons)	156,743	183,530	-14.6%	126,207	148,076	27,606	32,572	393	435	2,537	2,448
Petroleum Liquids (1000 barrels)	33,446	34,648	-3.5%	22,289	23,908	8,275	8,076	238	265	2,645	2,398
Petroleum Coke (1000 tons)	710	867	-18.1%	191	267	121	90	W	W	W	W

Sales, Revenue, and Average Retail Price for September									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	September 2013	September 2012	Percentage Change	September 2013	September 2012	Percentage Change	September 2013	September 2012	Percentage Change
Residential	121,235	119,201	1.7%	15,184	14,696	3.3%	12.52	12.33	1.5%
Commercial	118,826	116,483	2.0%	12,579	12,294	2.3%	10.59	10.55	0.4%
Industrial	80,360	81,560	-1.5%	5,722	5,718	0.1%	7.12	7.01	1.6%
Transportation	630	628	0.2%	69	65	5.2%	10.91	10.39	5.0%
All Sectors	321,051	317,873	1.0%	33,554	32,774	2.4%	10.45	10.31	1.4%

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.
Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.
Other Renewables include Wood and Wood-Derived Fuels, Other Biomass, Geothermal, Solar Thermal and Photovoltaic, and Wind.
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.
Sources: U.S. Energy Information Administration, Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report.'
U.S. Energy Information Administration, Form EIA-923, 'Power Plant Operations Report.'

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

Net Generation and Consumption of Fuels for January through September											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
Net Generation (Thousand Megawatthours)											
Coal	1,201,567	1,132,394	6.1%	901,049	858,771	290,121	262,698	640	641	9,758	10,283
Petroleum Liquids	10,188	10,128	0.6%	7,093	7,688	2,682	1,990	70	64	342	386
Petroleum Coke	10,007	7,375	35.7%	7,244	4,383	1,376	1,405	4	4	1,382	1,583
Natural Gas	853,969	974,758	-12.4%	361,922	400,969	422,065	504,847	4,346	4,474	65,637	64,467
Other Gas	8,400	8,774	-4.3%	49	NM	2,130	2,097	NM	NM	6,219	6,666
Nuclear	589,556	584,292	0.9%	304,150	300,840	285,406	283,452	0	0	0	0
Hydroelectric Conventional	212,547	218,246	-2.6%	191,764	200,428	18,090	16,498	NM	NM	2,651	1,289
Other Renewables	186,065	160,587	15.9%	23,124	20,319	139,742	117,531	2,188	2,030	21,011	20,707
Wood and Wood-Derived Fuels	28,400	27,902	1.8%	1,622	1,349	6,486	6,522	19	19	20,273	20,012
Other Biomass	14,644	14,970	-2.2%	1,041	1,093	11,007	11,343	1,896	1,868	700	666
Geothermal	12,637	12,490	1.2%	795	849	11,842	11,641	0	0	0	0
Solar Thermal and Photovoltaic	6,407	3,339	91.9%	699	480	5,475	2,749	220	98	NM	11
Wind	123,978	101,886	21.7%	18,967	16,549	104,932	85,274	53	45	26	19
Hydroelectric Pumped Storage	-3,113	-3,368	-7.6%	-2,515	-2,806	-598	-562	0	0	0	0
Other Energy Sources	9,275	9,258	0.2%	318	313	5,205	5,395	833	762	2,920	2,788
All Energy Sources	3,078,460	3,102,444	-0.8%	1,794,197	1,790,914	1,166,220	1,195,351	8,123	8,010	109,920	108,169
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	652,179	616,834	5.7%	483,818	461,207	164,708	151,583	248	236	3,405	3,809
Petroleum Liquids (1000 barrels)	17,291	17,398	-0.6%	12,753	13,695	4,008	3,123	103	98	427	481
Petroleum Coke (1000 tons)	3,634	2,689	35.1%	2,569	1,612	594	554	1	1	470	523
Natural Gas (1000 Mcf)	6,525,676	7,539,412	-13.4%	2,899,052	3,277,852	3,129,689	3,774,748	36,664	37,299	460,272	449,513
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	14,391	15,101	-4.7%	0	0	2,471	2,593	863	912	11,056	11,596
Petroleum Liquids (1000 barrels)	2,017	2,048	-1.5%	0	0	736	693	103	86	1,177	1,270
Petroleum Coke (1000 tons)	842	920	-8.5%	0	0	80	85	7	7	755	827
Natural Gas (1000 Mcf)	668,110	678,592	-1.5%	0	0	238,659	249,500	31,586	33,853	397,865	395,240
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	666,570	631,936	5.5%	483,818	461,207	167,179	154,176	1,111	1,148	14,461	15,405
Petroleum Liquids (1000 barrels)	19,308	19,446	-0.7%	12,753	13,695	4,744	3,816	207	184	1,604	1,751
Petroleum Coke (1000 tons)	4,476	3,609	24.0%	2,569	1,612	673	639	8	8	1,225	1,350
Natural Gas (1000 Mcf)	7,193,786	8,218,005	-12.5%	2,899,052	3,277,852	3,368,348	4,024,247	68,250	71,152	858,137	844,753

Sales, Revenue, and Average Retail Price for January through September									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	Percentage Change
Residential	1,065,996	1,066,922	-0.1%	129,475	127,087	1.9%	12.15	11.91	2.0%
Commercial	1,012,600	1,007,636	0.5%	104,719	102,482	2.2%	10.34	10.17	1.7%
Industrial	720,642	741,662	-2.8%	49,409	49,969	-1.1%	6.86	6.74	1.8%
Transportation	5,718	5,672	0.8%	601	569	5.7%	10.52	10.03	4.9%
All Sectors	2,804,956	2,821,893	-0.6%	284,204	280,108	1.5%	10.13	9.93	2.0%

YTD = Year to Date
NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.
Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.
Other Renewables include Wood and Wood-Derived Fuels, Other Biomass, Geothermal, Solar Thermal and Photovoltaic, and Wind.
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.
Sources: U.S. Energy Information Administration, Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report.'
U.S. Energy Information Administration, Form EIA-923, 'Power Plant Operations Report.'

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

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
Coal (1000 tons)	68,839	72,702	45.37	46.04	335	574	601,807	632,742	45.45	46.77
Petroleum Liquids (1000 barrels)	1,583	1,658	122.60	132.25	172	1,233	14,749	19,068	124.91	130.54
Petroleum Coke (1000 tons)	422	513	61.43	69.83	11	30	3,367	3,504	67.99	75.03
Natural Gas (1000 Mcf)	770,934	931,793	4.17	3.46	754	1,790	6,479,169	8,419,115	4.41	3.29

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
Coal (1000 tons)	49,265	51,262	46.62	47.44	236	309	440,673	452,667	46.62	47.81
Petroleum Liquids (1000 barrels)	792	1,157	132.99	133.88	114	810	9,575	12,982	127.47	133.44
Petroleum Coke (1000 tons)	373	294	59.92	71.95	7	8	2,525	1,684	61.98	65.82
Natural Gas (1000 Mcf)	335,827	366,571	4.46	3.80	377	746	2,801,868	3,319,777	4.57	3.62

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
Coal (1000 tons)	18,838	19,635	41.01	40.78	77	130	154,613	163,853	41.06	42.22
Petroleum Liquids (1000 barrels)	779	309	112.22	133.15	50	213	4,893	3,448	120.53	131.29
Petroleum Coke (1000 tons)	4	67	W	53.44	1	6	413	737	W	90.85
Natural Gas (1000 Mcf)	376,720	450,531	3.91	3.29	334	586	3,136,439	4,035,614	4.33	3.11

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
Coal (1000 tons)	6	118	W	56.63	2	21	129	1,111	W	59.07
Petroleum Liquids (1000 barrels)	0	NM	--	134.24	0	85	0	269	--	128.54
Petroleum Coke (1000 tons)	0	1	--	W	0	1	0	8	--	W
Natural Gas (1000 Mcf)	554	NM	W	NM	2	127	3,737	NM	W	3.78

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
Coal (1000 tons)	729	1,687	W	63.85	20	114	6,392	15,111	W	64.05
Petroleum Liquids (1000 barrels)	12	178	110.96	119.95	8	125	281	2,369	112.55	113.84
Petroleum Coke (1000 tons)	45	151	W	W	3	15	429	1,074	W	W
Natural Gas (1000 Mcf)	57,833	106,460	W	2.98	41	331	537,126	989,263	W	2.90

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Number of Plants represents the number of plants for which receipts data were collected this month.
.... A plant using more than one fuel may be counted multiple times.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Natural Gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Petroleum Coke includeds petroleum coke and synthesis gas derived from petroleum coke.
Note: Values are preliminary. Mcf = thousand cubic feet.
Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

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

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
Coal	1,331,715	1,399,185	2.35	2.39	335	574	11,652,962	12,263,129	2.35	2.41
Petroleum Liquids	9,628	9,982	20.15	21.97	172	1,233	89,579	113,914	20.56	21.85
Petroleum Coke	12,082	14,700	2.15	2.43	11	30	96,078	100,528	2.38	2.61
Natural Gas	788,248	953,050	4.08	3.38	754	1,790	6,643,656	8,608,237	4.30	3.22
Fossil Fuels	2,141,672	2,376,888	3.02	2.87	961	2,870	18,482,264	21,085,477	3.10	2.85

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
Coal	964,553	1,000,036	2.38	2.43	236	309	8,624,921	8,879,200	2.38	2.44
Petroleum Liquids	4,862	7,039	21.66	22.01	114	810	58,444	77,947	20.88	22.22
Petroleum Coke	10,687	8,450	2.09	2.50	7	8	72,361	48,677	2.16	2.28
Natural Gas	343,556	373,691	4.36	3.72	377	746	2,866,268	3,386,690	4.47	3.55
Fossil Fuels	1,323,658	1,389,201	2.96	2.88	522	1,470	11,621,982	12,392,347	2.98	2.87

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
Coal	350,561	360,763	2.20	2.22	77	130	2,880,622	3,038,844	2.20	2.28
Petroleum Liquids	4,695	1,790	18.62	22.99	50	213	29,401	20,178	20.04	22.44
Petroleum Coke	118	1,924	W	1.85	1	6	11,629	21,174	W	3.16
Natural Gas	384,536	461,763	3.84	3.21	334	586	3,220,371	4,131,849	4.22	3.04
Fossil Fuels	739,910	826,223	W	2.82	393	804	6,142,023	7,211,883	W	2.77

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
Coal	143	2,453	W	2.73	2	21	2,989	23,251	W	2.82
Petroleum Liquids	0	NM	--	22.66	0	85	0	1,594	--	21.67
Petroleum Coke	0	37	--	W	0	1	0	235	--	W
Natural Gas	560	NM	W	NM	2	127	3,768	NM	W	3.70
Fossil Fuels	703	NM	W	W	2	178	6,758	NM	W	W

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
Coal	16,458	35,934	W	3.00	20	114	144,430	321,834	W	3.01
Petroleum Liquids	70	1,071	18.34	19.94	8	125	1,735	14,195	18.24	19.00
Petroleum Coke	1,277	4,290	W	W	3	15	12,088	30,442	W	W
Natural Gas	59,596	109,179	W	2.91	41	331	553,249	1,013,573	W	2.83
Fossil Fuels	77,401	150,473	W	W	44	418	711,501	1,380,044	W	W

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Number of Plants represents the number of plants for which receipts data were collected this month.
.... The total number of fossil fuel plants is not the sum of the figures above it because a plant that receives two or more different fuels is only counted once.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Natural Gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Petroleum Coke includeds petroleum coke and synthesis gas derived from petroleum coke.
Note: Values are preliminary.
Source: U.S. Energy Information Administration, Form-923, 'Power Plant Operations Report.'

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant, and Month, 2013

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

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant, and Month, 2013

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (Megawatts)	Energy Source	Prime Mover
2013	5	12944	City of Morganton - (NC)	Electric Utility	Water Filter Plant #2	NC	55534	1299	1.7	DFO	IC
2013	5	56769	Consolidated Edison Development Inc.	IPP	West Greenwich Solar	RI	58214	WGRI	1.9	SUN	PV
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG1	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG2	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG3	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG4	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG5	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG6	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG7	100.0	NG	GT
2013	5	49981	Diamond Generating Corporation	IPP	CPV Sentinel Energy Project	CA	57482	CTG8	100.0	NG	GT
2013	5	34505	Edison Mission Energy	IPP	Walnut Creek Energy Park	CA	57515	GT5	96.0	NG	GT
2013	5	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	9	88.9	NG	GT
2013	5	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGA	1.5	WND	WT
2013	5	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGB	1.5	WND	WT
2013	5	58331	Mt Olive Farm 2 LLC	IPP	Mt Olive Farm 2	NC	58345	1	5.0	SUN	PV
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	1	197.0	NG	GT
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	2	197.0	NG	GT
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	3	197.0	NG	GT
2013	5	56635	NRG Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	4	197.0	NG	GT
2013	5	14328	Pacific Gas & Electric Co	Electric Utility	West Gates Solar Station	CA	58206	1	10.0	SUN	PV
2013	5	58333	Rock Farm LLC	IPP	Rock Farm	NC	58347	1	5.0	SUN	PV
2013	5	55861	Sandy Creek Energy Associates L P	IPP	Sandy Creek Energy Station	TX	56611	S01	936.5	SUB	ST
2013	5	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	4	187.0	NG	GT
2013	5	54842	WM Renewable Energy LLC	IPP	Oneida Herkimer	NY	57404	GEN2	1.6	LFG	IC
2013	6	58330	AM Best Farm	IPP	AM Best Farm	NC	58344	1	5.0	SUN	PV
2013	6	1994	Boulder City of	IPP	Boulder Canyon Hydro	CO	466	1A	5.0	WAT	HY
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9560	0.4	NG	FC
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9580	0.4	NG	FC
2013	6	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9587	0.4	NG	FC
2013	6	57365	Consolidated Edison Solutions Inc	IPP	Wilson Solar	MA	58174	WSMA	2.0	SUN	PV
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	CT1	570.6	SGC	CT
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	CT2	.	SGC	CT
2013	6	15470	Duke Energy Indiana Inc	Electric Utility	Edwardsport	IN	1004	ST	.	SGC	CA
2013	6	5914	Erie Boulevard Hydropower LP	IPP	Stewarts Bridge	NY	2614	2	2.5	WAT	HY
2013	6	56615	First Solar Energy LLC	IPP	Topaz Solar Farm	CA	57695	TPZ2	124.8	SUN	PV
2013	6	56440	G2 Energy LLC	IPP	G2 Energy Hay Rd	CA	58320	362	1.5	LFG	IC
2013	6	58187	Haviland Plastic Products Co	Industrial	Haviland Plastic Products	OH	58220	WTGC	1.5	WND	WT
2013	6	58211	Highlander Solar 1, LLC	IPP	SEPV 8	CA	58234	SPV8	11.8	SUN	PV
2013	6	58198	Highlander Solar 2, LLC	IPP	SEPV9 Power Plant	CA	58227	SPV9	8.5	SUN	PV
2013	6	58320	Lenoir Farm 2 LLC	IPP	Lenoir Farm 2	NC	58334	1	5.0	SUN	PV
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	11	96.3	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	12	96.3	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	13	96.3	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	14	96.3	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	15	96.3	NG	GT
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	16	96.3	NG	GT
2013	6	58363	Oakley Solar Project LLC	IPP	Oakley Solar Project	CA	58376	1	1.5	SUN	PV
2013	6	57165	Otay Landfill Gas LLC	IPP	Otay	CA	52204	OTA5	1.5	LFG	IC
2013	6	57165	Otay Landfill Gas LLC	IPP	Otay	CA	52204	OTA6	1.5	LFG	IC
2013	6	14328	Pacific Gas & Electric Co	Electric Utility	Gates Solar Station	CA	57892	1	20.0	SUN	PV
2013	6	58365	Petra Nova Parish Holdings LLC	IPP	W.A. Parish Carbon Capture Plant	TX	58378	GT2	74.0	NG	GT
2013	6	58111	RE Kansas South LLC	IPP	RE Kansas South LLC	CA	58148	KS	20.0	SUN	PV
2013	7	58335	Bolton Farm LLC	IPP	Bolton Farm	NC	58349	1	5.0	SUN	PV
2013	7	306	Brookfield Renewable Power	Electric Utility	Cheoah	NC	54899	3A	27.5	WAT	HY
2013	7	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE1	33.4	SUN	PV
2013	7	20364	City of West Bend	Electric Utility	West Bend	IA	1199	5	2.5	DFO	IC
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9581	0.4	NG	FC
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9583	0.4	NG	FC
2013	7	58436	ClearEdge Power	Commercial	CBS Studio Center	CA	58440	9585	0.4	NG	FC
2013	7	56769	Consolidated Edison Development Inc.	IPP	White River Solar	CA	58373	WRCA	20.0	SUN	PV
2013	7	56615	First Solar Energy LLC	IPP	Imperial Solar Energy Center South	CA	58468	IVS1	46.6	SUN	PV
2013	7	19558	Homer Electric Assn Inc	Electric Utility	Nikiski Co-Generation	AK	55966	ST1	40.0	NG	CA
2013	7	56155	Lansing Board of Water and Light	Electric Utility	Lansing BWL REO Town Plant	MI	58427	CTG1	44.7	NG	GT
2013	7	56155	Lansing Board of Water and Light	Electric Utility	Lansing BWL REO Town Plant	MI	58427	CTG2	44.7	NG	GT
2013	7	56155	Lansing Board of Water and Light	Electric Utility	Lansing BWL REO Town Plant	MI	58427	ST	13.3	NG	ST
2013	7	58319	Lenoir Farm LLC	IPP	Lenoir Farm	NC	58333	1	5.0	SUN	PV
2013	7	11208	Los Angeles Department of Water & Power	Electric Utility	CBS Television City	CA	58253	GEN1	1.6	SUN	PV
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	7	195.0	NG	CT
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	8	60.0	NG	CA
2013	7	13683	North Carolina El Member Corp	Electric Utility	Hamlet Generating Facility	NC	56292	ES6	56.5	NG	GT
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG10	0.6	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG7	0.6	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG8	0.6	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG9	0.6	DFO	IC
2013	7	15500	Puget Sound Energy Inc	Electric Utility	Lower Baker	WA	3855	4	30.4	WAT	HY
2013	7	58309	Radiance Solar LLC	IPP	Radiance Solar 4	CA	58354	1	1.5	SUN	PV
2013	7	58309	Radiance Solar LLC	IPP	Radiance Solar 5	CA	58355	1	1.5	SUN	PV
2013	7	58366	Toro Energy of California SLO	IPP	Cold Canyon 1	CA	58379	W3998	1.5	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN1	0.8	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN2	0.8	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN3	0.8	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN4	0.8	LFG	IC
2013	7	54842	WM Renewable Energy LLC	IPP	Geneva	OH	57410	GEN5	0.8	LFG	IC
2013	7	57081	Washington Gas Energy Systems, Inc.	IPP	Orange PV	MA	58411	SO023	2.0	SUN	PV
2013	7	58328	Wilson Farm 1 LLC	IPP	Wilson Farm 1	NC	58342	1	5.0	SUN	PV
2013	7	56751	Yolo County of	IPP	Grassland 3 Solar Project	CA	58204	INV3	1.0	SUN	PV
2013	7	56751	Yolo County of	IPP	Grassland 4 Solar Project	CA	58217	INV4	1.0	SUN	PV
2013	8	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE4	25.0	SUN	PV

Table ES3. New U.S. Electric Generating Units by Operating Company, Plant, and Month, 2013

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (Megawatts)	Energy Source	Prime Mover
2013	8	57004	Arlington Valley Solar Energy II LLC	IPP	Arlington Valley Solar Energy II	AZ	57680	AVSE5	27.3	SUN	PV
2013	8	58440	CD US Solar MT 2 LLC	IPP	Watts 3115	CA	58454	1	1.5	SUN	PV
2013	8	58427	Centinela Solar Energy LLC	IPP	Centinela Solar Energy	CA	58430	CSE2	25.6	SUN	PV
2013	8	56769	Consolidated Edison Development Inc.	IPP	Corcoran Solar	CA	58374	CSCA	20.0	SUN	PV
2013	8	56769	Consolidated Edison Development Inc.	IPP	Northbridge Solar	MA	58385	NSMA	1.9	SUN	PV
2013	8	5070	Delaware Electric Cooperative		Bruce A Henry Solar Farm	DE	58473	BHSF	4.0	SUN	PV
2013	8	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED3	3.7	NG	FC
2013	8	58368	Doyon Utilities, LLC	Electric Utility	JBER Landfill Gas Power Plant	AK	58380	5	1.4	LFG	IC
2013	8	56440	G2 Energy LLC	IPP	G2 Energy Ostrom Road LLC	CA	57133	361	1.5	LFG	IC
2013	8	7349	Golden Spread Electric Cooperative, Inc	Electric Utility	Mustang Station Unit 4	TX	56326	GEN3	145.0	NG	GT
2013	8	2860	Los Esteros Critical Energy Facility LLC	IPP	Los Esteros Critical Energy Center	CA	55748	CAG5	126.1	NG	CA
2013	8	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	5	195.0	NG	CT
2013	8	13584	NRG El Segundo Operations Inc	IPP	El Segundo Energy Center LLC	CA	57901	6	60.0	NG	CA
2013	8	14328	Pacific Gas & Electric Co	Electric Utility	Guernsey Solar Station	CA	57891	1	20.0	SUN	PV
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	CTG1	185.0	NG	CT
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	CTG2	185.0	NG	CT
2013	8	54890	Russell City Energy Company LLC	IPP	Russell City Energy Center	CA	56467	STG1	245.0	NG	CA
2013	9	58488	Alaska Environmental Power		Delta Wind Farm	AK	58511	EWT2	0.9	WND	WT
2013	9	58300	Ameresco Select Inc	Commercial	CJTS Energy Center	CT	58365	UNIT7	0.4	NG	FC
2013	9	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generating Station	ND	57881	1	40.0	NG	GT
2013	9	57031	Beacon Power LLC	IPP	Hazle Spindle	PA	57716	HRS1	20.0	MWH	FW
2013	9	11268	City of Lowell - (MI)	Electric Utility	Chatham	MI	58254	CTOIS	3.4	NG	GT
2013	9	56523	Colorado Highlands Wind LLC	IPP	Colorado Highlands Wind	CO	57174	CHW2	23.8	WND	WT
2013	9	57485	Diamond State Generation Partners, LLC	IPP	Red Lion Energy Center	DE	58433	RED4	3.7	NG	FC
2013	9	56615	First Solar Energy LLC	IPP	Maryland Solar	MD	58408	MSH1	20.0	SUN	PV
2013	9	58318	Haynes Farm LLC	IPP	Haynes Farm	NC	58332	1	5.0	SUN	PV
2013	9	58429	Houweling's Tomatoes	Electric CHP	Houweling Nurseries	CA	58432	COG3	4.4	NG	IC
2013	9	58336	McCallum Farm LLC	IPP	McCallum Farm	NC	58350	1	5.0	SUN	PV
2013	9	58324	Moorings Farm LLC	IPP	Moorings Farm	NC	58338	1	5.0	SUN	PV
2013	9	58473	NVT LICENSES, LLC		Spectrum Solar PV Power Project	NV	58490	1	30.0	SUN	PV
2013	9	16024	Riverwood Intl USA Inc	Industrial	Riverwood International Macon Mill	GA	54464	5	39.5	WDS	ST
2013	9	17609	Southern California Edison Co	Electric Utility	California State University San Bernardi	CA	57544	FC01	1.4	NG	FC
2013	9	57176	WC Landfill Energy LLC	IPP	WC Landfill Energy LLC	NJ	57848	SOLAR	1.2	SUN	PV
2013	9	58327	White Cross Farm LLC	IPP	White Cross Farm	NC	58341	1	5.0	SUN	PV
2013	10	56023	Arizona Solar One LLC	IPP	Solana Generating Station	AZ	56812	GEN 1	125.0	SUN	CP
2013	10	56023	Arizona Solar One LLC	IPP	Solana Generating Station	AZ	56812	GEN2	125.0	SUN	CP
2013	10	56819	CSOLAR IV South LLC	IPP	Imperial Solar Energy Center South	CA	57490	56819	128.9	SUN	PV
2013	10	56615	First Solar Energy LLC	IPP	Campo Verde Solar	CA	58467	CVS1	139.0	SUN	PV
2013	10	56615	First Solar Energy LLC	IPP	Imperial Solar Energy Center South	CA	58468	IVS2	46.6	SUN	PV
2013	10	56615	First Solar Energy LLC	Electric Utility	Los Lunas Solar Energy Center	NM	57571	LMS2	2.0	SUN	PV
2013	10	56615	First Solar Energy LLC		Manzano Solar	NM	58521	MAN1	8.0	SUN	PV
2013	10	7477	Granger Electric Co		L&S Sweetners	PA	58497	GEN1	1.6	LFG	IC
2013	10	7477	Granger Electric Co		L&S Sweetners	PA	58497	GEN2	1.6	LFG	IC
2013	10	58520	Huerfano River Wind, LLC		Huerfano River Wind	CO	58548	WTG1	2.0	WND	WT
2013	10	58520	Huerfano River Wind, LLC		Huerfano River Wind	CO	58548	WTG2	2.0	WND	WT
2013	10	58520	Huerfano River Wind, LLC		Huerfano River Wind	CO	58548	WTG3	2.0	WND	WT
2013	10	15793	Redwood Falls Public Util Comm	Electric Utility	Redwood Falls	MN	2009	8	0.5	WAT	HY
2013	10	17718	Southwestern Public Service Co	Electric Utility	Quay County	NM	58125	1	23.0	DFO	GT
2013	10	57081	Washington Gas Energy Systems, Inc.	IPP	Bellingham PV	MA	58403	SO032	3.0	SUN	PV

As of the time of the publication of this report, the data for the latest month may not include all operational status updates.
Notes: See Glossary for definitions. Totals may not equal sum of components because of independent rounding.

Descriptions for the Energy Source and Prime Mover codes listed in the table can be found in the Technical Notes.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Source: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Summary Capacity Statistics

	Net Summer Capacity (Megawatts)
Total Capacity of New Units Shown	9,981.5
Total Capacity of Retired Units Shown	11,118.4
U.S. Capacity	1,063,601.1

Table ES4. Retired U.S. Electric Generating Units by Operating Company, Plant, and Month, 2013

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (Megawatts)	Energy Source	Prime Mover
2013	1	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	ST3	387.0	RFO	ST
2013	1	6452	Florida Power & Light Co	Electric Utility	Port Everglades	FL	617	ST4	392.0	RFO	ST
2013	1	22155	Texas State University - San Marcos	Commercial	Southwest Texas State University	TX	50263	GEN1	6.0	NG	IC
2013	2	3456	Chevron Products Co-Pascagoula	Industrial	Pascagoula Cogen	MS	52084	TG1	4.0	OG	ST
2013	2	6455	Duke Energy Florida, Inc	Electric Utility	Crystal River	FL	628	3	860.0	NUC	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Hamilton Moses	AR	168	1	67.0	NG	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Hamilton Moses	AR	168	2	67.0	NG	ST
2013	2	814	Entergy Arkansas Inc	Electric Utility	Robert E Ritchie	AR	173	1	300.0	NG	ST
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH1	1.1	DFO	IC
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH2	1.2	DFO	IC
2013	2	56024	Kamin LLC	Industrial	Kamin LLC Wrens Plant	GA	54880	WPH3	1.0	DFO	IC
2013	2	10171	Kentucky Utilities Co	Electric Utility	Tyrone	KY	1361	3	71.0	BIT	ST
2013	3	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Cabot Holyoke	MA	9864	6	9.3	NG	ST
2013	3	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Cabot Holyoke	MA	9864	8	9.3	NG	ST
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	11	2.0	DFO	IC
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	12	2.0	DFO	IC
2013	3	9418	City of Iola - (KS)	Electric Utility	Iola	KS	1291	13	2.0	DFO	IC
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#1	0.7	NG	CA
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#2	0.5	NG	CA
2013	3	58147	Connecticut Valley Hospital	Electric CHP	Connecticut Valley Hospital Plant	CT	58176	ST#3	0.5	NG	CA
2013	3	56024	Kamin LLC	Industrial	Kamin LLC Wrens Mine	GA	55961	WM1	1.0	DFO	IC
2013	3	56024	Kamin LLC	Industrial	Kamin LLC Wrens Mine	GA	55961	WM2	1.0	DFO	IC
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	1A	11.0	DFO	CT
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	1B	12.0	DFO	CT
2013	3	3046	Progress Energy Carolinas Inc	Electric Utility	Cape Fear	NC	2708	2A	12.0	DFO	CT
2013	3	57303	State of Illinois	Electric Utility	Jacksonville Developmental Center	IL	57918	1	0.7	BIT	ST
2013	3	57303	State of Illinois	Electric Utility	Jacksonville Developmental Center	IL	57918	2	0.7	BIT	ST
2013	3	57303	State of Illinois	Electric Utility	Jacksonville Developmental Center	IL	57918	3	2.0	BIT	ST
2013	3	56694	Thermo No 1 BE 01 LLC	IPP	Thermo No 1	UT	57353	1	11.0	GEO	BT
2013	4	58300	Ameresco Select Inc	Commercial	CJTS Energy Center	CT	58365	UNIT4	0.2	NG	FC
2013	4	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ16	1.4	WAT	HY
2013	4	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ17	1.4	WAT	HY
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	1	52.5	RFO	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	2	51.0	RFO	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	3	137.5	BIT	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	4	232.0	BIT	ST
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	5	2.5	DFO	IC
2013	4	5511	CCI Roseton LLC	IPP	Danskammer Generating Station	NY	2480	6	2.5	DFO	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	1	0.6	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	2	0.6	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	3	0.6	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	4	0.6	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	5	0.6	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	6	0.6	NG	IC
2013	4	15090	PIMA County Wastewater Manage	Commercial	Ina Road Water Pollution Control Fac	AZ	55257	7	0.6	NG	IC
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI1	4.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI2	4.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI3	4.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI4	4.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI5	4.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI6	4.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI7	6.0	WAT	HY
2013	4	15298	PPL Montana LLC	IPP	Rainbow	MT	2193	RAI8	6.0	WAT	HY
2013	5	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ14	0.3	WAT	HY
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	10	2.0	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	11	3.0	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	12	3.0	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	18	8.0	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	8	2.0	NG	IC
2013	5	8795	City of Homestead - (FL)	Electric Utility	G W Ivey	FL	665	9	2.0	NG	IC
2013	5	12944	City of Morganton - (NC)	Electric Utility	Water Filter Plant #2	NC	55534	3516	1.3	DFO	IC
2013	5	54718	Dominion Energy Kewaunee Inc.	IPP	Kewaunee	WI	8024	1	566.0	NUC	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	5	128.0	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Buck	NC	2720	6	128.0	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	4	94.0	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	5	94.0	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	6	133.0	BIT	ST
2013	5	5416	Duke Energy Carolinas, LLC	Electric Utility	Riverbend	NC	2732	7	133.0	BIT	ST
2013	5	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	1	1.1	DFO	IC
2013	5	7424	Gowrie Municipal Utilities	Electric Utility	Gowrie	IA	1141	2	1.1	DFO	IC
2013	5	12631	NRG Delta LLC	IPP	Contra Costa	CA	228	6	335.0	NG	ST
2013	5	12631	NRG Delta LLC	IPP	Contra Costa	CA	228	7	337.0	NG	ST
2013	6	5998	City of Estherville - (IA)	Electric Utility	Estherville	IA	1137	6	1.7	DFO	IC
2013	6	4922	Dayton Power & Light Co	Electric Utility	O H Hutchings	OH	2848	4	63.0	BIT	ST
2013	6	55997	Domtar Paper Company Rothschild	Industrial	Domtar Paper Company Rothschild	WI	50190	TG2	4.7	NG	ST
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	5	292.0	NG	ST
2013	6	11208	Los Angeles Department of Water & Power	Electric Utility	Haynes	CA	400	6	238.0	NG	ST
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	1	162.0	RFO	ST
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	10	11.9	DFO	GT
2013	6	13922	Norwalk Power LLC	IPP	NRG Norwalk Harbor	CT	548	2	168.0	RFO	ST
2013	6	17609	Southern California Edison Co	Electric Utility	San Onofre Nuclear Generating Station	CA	360	2	1,070.0	NUC	ST
2013	6	17609	Southern California Edison Co	Electric Utility	San Onofre Nuclear Generating Station	CA	360	3	1,080.0	NUC	ST
2013	6	54842	WM Renewable Energy LLC	IPP	Ridgeview	WI	55925	GEN9	0.8	LFG	IC
2013	7	803	Arizona Public Service Co	Electric Utility	Saguaro	AZ	118	1	110.0	NG	ST
2013	7	803	Arizona Public Service Co	Electric Utility	Saguaro	AZ	118	2	100.0	NG	ST
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ01	0.7	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ02	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ03	0.3	WAT	HY

Table ES4. Retired U.S. Electric Generating Units by Operating Company, Plant, and Month, 2013

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (Megawatts)	Energy Source	Prime Mover
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ04	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ05	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ06	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ07	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ08	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ09	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ10	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ11	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ12	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ13	0.3	WAT	HY
2013	7	56543	Black Bear Hydro Partners LLC	IPP	Veazie Hydro Station	ME	1479	VZ15	0.5	WAT	HY
2013	7	12619	Milwaukee Metro Sewerage Dist	Commercial	MMSD Jones Island Wastewater	WI	54851	GEN2	13.0	NG	GT
2013	7	13584	NRG El Segundo Operations Inc	IPP	El Segundo Power	CA	330	3	335.0	NG	ST
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG1A	0.3	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG2A	0.3	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG3A	0.3	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG4A	0.3	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG5	0.3	DFO	IC
2013	7	26616	North Slope Borough Power & Light	Electric Utility	NSB Point Lay Utility	AK	7486	PG6	0.3	DFO	IC
2013	7	14328	Pacific Gas & Electric Co	Electric Utility	Alta Powerhouse	CA	214	2	1.0	WAT	HY
2013	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	3	111.0	BIT	ST
2013	7	18642	Tennessee Valley Authority	Electric Utility	Widows Creek	AL	50	5	111.0	BIT	ST
2013	9	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	GILD	0.3	WAT	HY
2013	9	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	TOM	0.4	WAT	HY
2013	9	7140	Georgia Power Co	Electric Utility	Harllee Branch	GA	709	2	325.0	BIT	ST
2013	9	17235	NRG REMA LLC	IPP	Titus	PA	3115	1	72.0	BIT	ST
2013	9	17235	NRG REMA LLC	IPP	Titus	PA	3115	2	72.0	BIT	ST
2013	9	17235	NRG REMA LLC	IPP	Titus	PA	3115	3	72.0	BIT	ST
2013	9	14465	Park 500 Philip Morris USA	Industrial	Park 500 Philip Morris USA	VA	50275	TG2	2.0	BIT	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy Mitchell Power Station	PA	3181	2	82.0	DFO	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy Mitchell Power Station	PA	3181	3	278.0	BIT	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	Hatfields Ferry Power Station	PA	3179	1	530.0	BIT	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	Hatfields Ferry Power Station	PA	3179	2	530.0	BIT	ST
2013	10	23279	Allegheny Energy Supply Co LLC	IPP	Hatfields Ferry Power Station	PA	3179	3	530.0	BIT	ST
2013	10	13756	Northern Indiana Pub Serv Co	Electric Utility	Dean H Mitchell	IN	996	9A	17.0	NG	GT

As of the time of the publication of this report, the data for the latest month may not include all operational status updates.
Notes: See Glossary for definitions. Totals may not equal sum of components because of independent rounding.

Descriptions for the Energy Source and Prime Mover codes listed in the table can be found in the Technical Notes.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Source: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Summary Capacity Statistics

	Net Summer Capacity (Megawatts)
Total Capacity of New Units Shown	9,981.5
Total Capacity of Retired Units Shown	11,118.4
U.S. Capacity	1,063,601.1

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2003-September 2013
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2003	1,973,737	102,734	16,672	649,908	15,600	763,733	275,806	79,487	-8,535	14,045	3,883,185
2004	1,978,301	100,391	20,754	710,100	15,252	788,528	268,417	83,067	-8,488	14,232	3,970,555
2005	2,012,873	99,840	22,385	760,960	13,464	781,986	270,321	87,329	-6,558	12,821	4,055,423
2006	1,990,511	44,460	19,706	816,441	14,177	787,219	289,246	96,525	-6,558	12,974	4,064,702
2007	2,016,456	49,505	16,234	896,590	13,453	806,425	247,510	105,238	-6,896	12,231	4,156,745
2008	1,985,801	31,917	14,325	882,981	11,707	806,208	254,831	126,101	-6,288	11,804	4,119,388
2009	1,755,904	25,972	12,964	920,979	10,632	798,855	273,445	144,279	-4,627	11,928	3,950,331
2010	1,847,290	23,337	13,724	987,697	11,313	806,968	260,203	167,173	-5,501	12,855	4,125,060
2011	1,733,430	16,086	14,096	1,013,689	11,566	790,204	319,355	193,981	-6,421	14,154	4,100,141
2012	1,517,203	13,209	9,691	1,230,708	11,212	769,331	276,535	218,787	-4,658	12,466	4,054,485
2011											
January	170,803	1,902	1,555	74,254	930	72,743	25,531	14,742	-659	1,071	362,872
February	138,311	1,217	1,217	65,924	807	64,789	24,131	16,116	-413	1,027	313,127
March	134,845	1,276	1,416	65,947	945	65,662	31,134	16,650	-349	1,182	318,710
April	124,488	1,459	965	70,029	918	54,547	31,194	18,125	-466	1,141	302,401
May	137,102	1,356	1,023	75,243	875	57,013	32,587	17,638	-417	1,210	323,628
June	158,055	1,374	1,220	90,691	1,013	65,270	32,151	17,284	-567	1,236	367,727
July	176,586	1,714	1,440	119,624	1,098	72,345	31,285	14,000	-708	1,309	418,693
August	171,281	1,295	1,299	119,856	1,087	71,339	25,764	14,054	-692	1,230	406,511
Sept	140,941	1,119	1,305	91,739	1,004	66,849	21,378	13,048	-583	1,132	337,931
October	126,627	1,114	948	78,819	941	63,337	19,787	16,550	-601	1,176	308,699
November	121,463	1,082	701	75,441	943	64,474	20,681	18,589	-458	1,187	304,102
December	132,929	1,178	1,007	86,122	1,005	71,837	23,732	17,185	-509	1,254	335,740
2012											
January	129,115	1,143	1,301	91,641	980	72,381	23,359	20,302	-330	1,027	340,919
February	113,908	917	1,009	91,091	1,005	63,847	20,361	17,303	-226	937	310,151
March	105,546	947	614	92,503	1,010	61,729	25,770	20,160	-268	1,031	309,040
April	96,466	1,030	534	95,346	980	55,871	26,136	18,828	-242	991	295,940
May	116,345	1,081	647	107,927	969	62,081	28,542	19,216	-343	1,066	337,530
June	131,569	1,317	739	116,015	945	65,140	26,611	18,631	-475	1,014	361,506
July	160,938	1,517	772	140,202	968	69,129	26,758	15,731	-587	1,087	416,515
August	152,743	1,191	881	131,828	1,024	69,602	23,146	15,125	-496	1,063	396,108
Sept	125,767	985	879	108,206	893	64,511	17,562	15,291	-401	1,042	334,735
October	121,587	1,132	729	92,141	820	59,743	16,207	19,091	-351	1,057	312,157
November	128,992	976	803	79,707	759	56,713	18,834	18,106	-390	1,049	305,548
December	134,230	973	784	84,103	858	68,584	23,248	21,004	-549	1,101	334,335
2013											
January	138,447	1,651	1,018	88,375	919	71,406	25,123	21,152	-442	993	348,642
February	123,936	1,078	847	80,250	804	61,483	20,493	20,072	-275	912	309,601
March	131,032	962	1,000	84,713	915	62,947	20,573	22,542	-358	1,046	325,372
April	112,293	965	875	77,502	853	56,767	24,764	23,542	-264	964	298,261
May	119,943	1,034	1,322	83,491	973	62,848	28,553	23,261	-326	1,018	322,118
June	138,872	1,011	1,271	98,912	917	66,430	27,331	20,887	-298	1,069	356,400
July	153,330	1,440	1,317	119,608	1,042	70,531	27,180	18,507	-306	1,104	393,753
August	149,921	1,082	1,333	119,920	1,033	71,344	21,661	17,190	-454	1,113	384,143
Sept	133,792	965	1,023	101,199	945	65,799	16,868	18,911	-389	1,057	340,169
Year to Date											
2011	1,352,412	12,712	11,440	773,307	8,677	590,556	255,155	141,657	-4,854	10,538	3,151,600
2012	1,132,394	10,128	7,375	974,758	8,774	584,292	218,246	160,587	-3,368	9,258	3,102,444
2013	1,201,567	10,188	10,007	853,969	8,400	589,556	212,547	186,065	-3,113	9,275	3,078,460
Rolling 12 Months Ending in September											
2012	1,513,413	13,502	10,031	1,215,140	11,663	783,940	282,446	212,911	-4,935	12,874	4,050,985
2013	1,586,375	13,268	12,323	1,109,920	10,838	774,595	270,836	244,266	-4,403	12,483	4,030,501

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.1.A. Net Generation by Other Renewable Sources: Total (All Sectors), 2003-September 2013
(Thousand Megawatthours)

Period	Wind	Solar Thermal and Photovoltaic	Wood and Wood-Derived Fuels	Geothermal	Other Biomass	Total (Other Renewable Sources)
Annual Totals						
2003	11,187	534	37,529	14,424	15,812	79,487
2004	14,144	575	38,117	14,811	15,421	83,067
2005	17,811	550	38,856	14,692	15,420	87,329
2006	26,589	508	38,762	14,568	16,099	96,525
2007	34,450	612	39,014	14,637	16,525	105,238
2008	55,363	864	37,300	14,840	17,734	126,101
2009	73,886	891	36,050	15,009	18,443	144,279
2010	94,652	1,212	37,172	15,219	18,917	167,173
2011	120,177	1,818	37,449	15,316	19,222	193,981
2012	140,089	4,342	37,540	16,791	20,025	218,787
2011						
January	8,550	40	3,290	1,347	1,515	14,742
February	10,452	85	2,937	1,215	1,427	16,116
March	10,545	122	3,081	1,337	1,565	16,650
April	12,422	164	2,798	1,239	1,503	18,125
May	11,772	191	2,794	1,318	1,563	17,638
June	10,985	223	3,230	1,215	1,632	17,284
July	7,489	191	3,362	1,269	1,690	14,000
August	7,474	229	3,384	1,275	1,692	14,054
Sept	6,869	186	3,178	1,226	1,589	13,048
October	10,525	159	2,954	1,281	1,631	16,550
November	12,439	107	3,088	1,271	1,684	18,589
December	10,656	121	3,353	1,324	1,731	17,185
2012						
January	13,806	86	3,366	1,415	1,629	20,302
February	11,164	137	3,126	1,339	1,537	17,303
March	13,897	249	2,938	1,413	1,663	20,160
April	12,812	346	2,666	1,335	1,668	18,828
May	12,573	511	2,997	1,422	1,713	19,216
June	11,944	561	3,060	1,380	1,687	18,631
July	8,724	522	3,296	1,421	1,769	15,731
August	8,287	464	3,311	1,388	1,676	15,125
Sept	8,680	462	3,143	1,377	1,628	15,291
October	12,514	431	3,073	1,413	1,660	19,091
November	11,513	314	3,216	1,429	1,633	18,106
December	14,175	258	3,350	1,459	1,762	21,004
2013						
January	14,535	288	3,299	1,444	1,587	21,152
February	13,884	441	3,032	1,322	1,392	20,072
March	15,638	619	3,194	1,425	1,667	22,542
April	17,299	683	2,594	1,372	1,594	23,542
May	16,370	764	3,013	1,396	1,718	23,261
June	13,771	880	3,134	1,427	1,673	20,887
July	11,143	794	3,404	1,444	1,723	18,507
August	9,618	983	3,477	1,419	1,693	17,190
Sept	11,721	954	3,253	1,387	1,597	18,911
Year to Date						
2011	86,557	1,431	28,054	11,440	14,175	141,657
2012	101,886	3,339	27,902	12,490	14,970	160,587
2013	123,978	6,407	28,400	12,637	14,644	186,065
Rolling 12-Month Ending in September						
2012	135,506	3,726	37,297	16,366	20,016	212,911
2013	162,181	7,410	38,038	16,938	19,699	244,266

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 Biomass includes Biogenic municipal solid waste, landfill gas, 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 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms..
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.2. Net Generation by Energy Source: Electric Utilities, 2003-September 2013
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2003	1,500,281	62,774	7,156	186,967	243	458,829	249,622	3,421	-7,532	519	2,462,281
2004	1,513,641	62,196	11,498	199,662	374	475,682	245,546	3,692	-7,526	467	2,505,231
2005	1,484,855	58,572	11,150	238,204	10	436,296	245,553	4,945	-5,383	643	2,474,846
2006	1,471,421	31,269	9,634	282,088	30	425,341	261,864	6,588	-5,281	700	2,483,656
2007	1,490,985	33,325	7,395	313,785	141	427,555	226,734	8,953	-5,328	586	2,504,131
2008	1,466,395	22,206	5,918	320,190	46	424,256	229,645	11,308	-5,143	545	2,475,367
2009	1,322,092	18,035	7,182	349,166	96	417,275	247,198	14,617	-3,369	483	2,372,776
2010	1,378,028	17,258	8,807	392,616	52	424,843	236,104	17,927	-4,466	462	2,471,632
2011	1,301,107	11,688	9,428	414,843	29	415,298	291,413	21,933	-5,492	604	2,460,851
2012	1,147,861	9,990	5,680	507,801	10	394,823	253,304	27,830	-3,911	397	2,343,786
2011											
January	126,539	1,210	1,082	29,515	1	37,742	23,602	1,713	-551	46	220,900
February	103,607	888	818	25,456	1	34,119	22,187	1,905	-331	49	188,700
March	102,328	982	922	26,612	1	34,201	28,401	1,930	-277	49	195,148
April	93,647	1,178	600	29,154	1	28,964	28,280	2,098	-403	50	183,567
May	104,296	1,062	655	31,372	7	28,502	29,436	1,975	-366	55	196,994
June	119,780	976	831	38,311	6	34,635	29,631	1,795	-491	60	225,535
July	133,078	1,110	983	49,479	1	38,444	29,180	1,428	-612	51	253,142
August	128,915	924	908	49,617	1	37,435	23,866	1,418	-599	55	242,540
Sept	105,127	819	945	37,391	2	34,639	19,289	1,383	-500	48	199,144
October	94,046	837	618	33,218	1	33,558	17,509	2,041	-517	46	181,359
November	90,103	822	399	30,532	4	34,107	18,732	2,168	-398	45	176,515
December	99,641	879	667	34,186	3	38,952	21,300	2,079	-450	49	197,306
2012											
January	96,778	850	843	37,033	NM	38,270	20,934	2,660	-283	40	197,126
February	86,532	711	658	35,265	NM	33,117	18,322	2,127	-191	34	176,574
March	80,602	768	256	36,938	NM	30,601	23,356	2,699	-197	27	175,049
April	75,189	814	293	38,919	NM	27,884	24,033	2,390	-227	27	169,322
May	87,977	814	380	45,922	NM	31,384	26,152	2,622	-264	32	195,022
June	100,067	945	473	48,949	NM	34,052	24,683	2,416	-397	40	211,229
July	121,198	1,134	467	58,989	NM	35,999	25,094	1,798	-498	30	244,213
August	115,324	907	477	54,268	NM	36,149	21,621	1,803	-411	41	230,180
Sept	95,104	746	536	44,686	NM	33,384	16,234	1,806	-338	42	192,200
October	91,264	853	409	38,530	NM	31,289	14,704	2,465	-295	30	179,250
November	96,346	712	454	32,760	NM	29,038	17,001	2,456	-338	28	178,459
December	101,480	737	434	35,541	NM	33,656	21,171	2,590	-472	26	195,163
2013											
January	103,762	993	700	36,509	NM	36,748	22,674	2,902	-380	34	203,944
February	91,599	698	616	33,615	NM	31,144	18,200	2,629	-259	31	178,275
March	97,890	738	687	35,779	8	31,426	18,254	2,776	-311	39	187,286
April	84,568	729	574	31,874	8	28,991	22,537	2,983	-204	29	172,088
May	90,188	755	1,035	35,194	NM	32,977	25,894	2,766	-252	39	188,600
June	104,846	735	966	42,855	4	34,504	24,707	2,404	-201	35	210,854
July	114,496	956	976	50,425	7	36,724	24,557	2,183	-204	40	230,162
August	114,198	820	952	52,238	7	37,177	19,708	1,971	-407	40	226,704
Sept	99,501	669	738	43,431	9	34,459	15,233	2,511	-297	29	196,283
Year to Date											
2011	1,017,317	9,149	7,744	316,908	21	308,681	233,872	15,644	-4,128	463	1,905,671
2012	858,771	7,688	4,383	400,969	NM	300,840	200,428	20,319	-2,806	313	1,790,914
2013	901,049	7,093	7,244	361,922	49	304,150	191,764	23,124	-2,515	318	1,794,197
Rolling 12 Months Ending in September											
2012	1,142,561	10,227	6,067	498,905	NM	407,457	257,969	26,608	-4,170	453	2,346,094
2013	1,190,139	9,395	8,541	468,753	NM	398,132	244,640	30,635	-3,621	402	2,347,069

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
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Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.3. Net Generation by Energy Source: Independent Power Producers, 2003-September 2013
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2003	452,433	35,818	7,949	380,337	2,404	304,904	21,890	46,060	-1,003	8,088	1,258,879
2004	443,547	33,574	7,410	427,510	3,194	312,846	19,518	48,636	-962	7,856	1,303,129
2005	507,199	37,096	9,664	445,625	3,767	345,690	21,486	51,708	-1,174	6,285	1,427,346
2006	498,316	10,396	8,409	452,329	4,223	361,877	24,390	59,345	-1,277	6,412	1,424,421
2007	507,406	13,645	6,942	500,967	3,901	378,869	19,109	65,751	-1,569	6,191	1,501,212
2008	502,442	8,021	6,737	482,182	3,154	381,952	23,451	85,776	-1,145	6,414	1,498,982
2009	419,031	6,306	4,288	491,839	2,962	381,579	24,308	101,860	-1,259	6,146	1,437,061
2010	449,709	5,117	3,497	508,774	2,915	382,126	22,351	120,956	-1,035	6,345	1,500,754
2011	416,783	3,655	3,431	511,447	2,911	374,906	26,117	141,954	-928	7,059	1,487,335
2012	354,870	2,628	1,823	630,271	2,708	374,509	21,340	160,308	-746	7,205	1,554,916
2011											
January	42,852	588	349	37,417	242	35,000	1,785	10,446	-108	530	129,100
February	33,475	252	298	33,924	206	30,670	1,782	11,904	-82	503	112,932
March	31,255	229	393	32,750	251	31,461	2,544	12,260	-72	589	111,660
April	29,625	221	258	34,103	243	25,583	2,728	13,669	-63	584	106,952
May	31,525	242	259	36,802	235	28,511	2,950	13,346	-51	590	114,409
June	36,936	347	284	45,115	253	30,635	2,367	12,911	-76	621	129,393
July	42,051	554	358	62,024	261	33,901	1,993	9,969	-96	645	151,659
August	40,884	320	298	61,922	263	33,903	1,800	9,991	-94	614	149,901
Sept	34,521	246	261	46,908	251	32,210	1,965	9,121	-83	569	125,969
October	31,395	213	225	38,745	239	29,779	2,150	12,071	-84	582	115,317
November	30,220	204	207	37,730	224	30,367	1,801	13,840	-60	593	115,124
December	32,045	238	241	44,007	244	32,885	2,252	12,425	-59	639	124,919
2012											
January	31,078	233	218	46,786	236	34,111	2,247	14,938	-47	599	130,400
February	26,244	156	202	48,365	232	30,730	1,879	12,643	-35	553	120,970
March	23,777	138	197	48,374	240	31,128	2,225	15,066	-71	614	121,687
April	20,214	152	86	49,438	233	27,987	1,940	14,121	-15	598	114,753
May	27,235	227	120	54,289	225	30,697	2,204	14,086	-80	617	129,622
June	30,303	314	110	59,307	227	31,088	1,793	13,727	-78	605	137,397
July	38,318	335	135	72,767	236	33,130	1,552	11,304	-89	631	158,319
August	36,049	242	187	69,526	243	33,453	1,424	10,712	-84	591	152,343
Sept	29,481	194	150	55,995	224	31,126	1,233	10,933	-62	587	129,861
October	29,128	218	155	46,044	206	28,455	1,393	14,061	-55	590	120,193
November	31,489	225	130	39,190	182	27,674	1,594	13,027	-52	593	114,053
December	31,555	195	133	40,190	224	34,928	1,855	15,690	-77	628	125,319
2013											
January	33,539	585	154	43,604	220	34,658	2,102	15,594	-61	551	130,945
February	31,209	335	137	39,217	176	30,340	1,918	14,974	-15	495	118,785
March	31,969	185	155	40,983	186	31,522	2,019	17,159	-47	590	124,720
April	26,701	193	148	38,502	199	27,776	1,971	18,266	-60	556	114,254
May	28,603	231	110	40,696	242	29,871	2,334	17,994	-74	608	120,615
June	32,826	240	143	48,317	258	31,926	2,323	15,883	-97	625	132,443
July	37,544	437	170	60,948	288	33,807	2,305	13,594	-103	621	149,612
August	34,550	217	214	59,558	285	34,167	1,714	12,479	-47	592	143,729
Sept	33,179	259	144	50,240	277	31,340	1,404	13,800	-92	566	131,117
Year to Date											
2011	323,123	2,999	2,758	390,965	2,204	281,875	19,914	103,618	-725	5,245	1,131,975
2012	262,698	1,990	1,405	504,847	2,097	283,452	16,498	117,531	-562	5,395	1,195,351
2013	290,121	2,682	1,376	422,065	2,130	285,406	18,090	139,742	-598	5,205	1,166,220
Rolling 12 Months Ending in September											
2012	356,359	2,646	2,078	625,329	2,804	376,483	22,701	155,866	-765	7,210	1,550,711
2013	382,293	3,320	1,795	547,489	2,741	376,463	22,932	182,520	-783	7,015	1,525,785

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
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Table 1.4. Net Generation by Energy Source: Commerical Sector, 2003-September 2013
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2003	1,206	416	8	3,899	0	0	72	1,302	0	594	7,496
2004	1,340	493	7	3,969	0	0	105	1,575	0	781	8,270
2005	1,353	368	7	4,249	0	0	86	1,673	0	756	8,492
2006	1,310	228	7	4,355	0	0	93	1,619	0	758	8,371
2007	1,371	180	9	4,257	0	0	77	1,614	0	764	8,273
2008	1,261	136	6	4,188	0	0	60	1,555	0	720	7,926
2009	1,096	157	5	4,225	0	0	71	1,769	0	842	8,165
2010	1,111	117	7	4,725	3	0	80	1,714	0	834	8,592
2011	1,049	86	3	5,487	3	0	26	2,476	0	950	10,080
2012	837	84	6	5,870	NM	0	NM	2,746	0	1,036	10,621
2011											
January	108	20	1	421	0	0	2	194	0	71	817
February	104	10	1	367	0	0	2	180	0	61	725
March	100	6	1	373	0	0	3	200	0	71	753
April	77	4	0	357	0	0	3	195	0	71	706
May	82	5	0	471	0	0	3	218	0	88	867
June	90	3	0	463	0	0	2	218	0	84	860
July	104	7	0	605	0	0	2	220	0	85	1,023
August	94	7	0	571	0	0	2	225	0	87	985
Sept	84	7	0	487	0	0	2	208	0	83	870
October	65	6	0	438	0	0	2	204	0	84	799
November	62	6	0	437	0	0	2	208	0	84	800
December	78	5	1	499	0	0	2	207	0	81	874
2012											
January	84	NM	1	528	NM	0	NM	214	0	78	913
February	78	4	1	499	NM	0	NM	213	0	77	875
March	70	5	1	476	0	0	NM	216	0	83	853
April	64	6	0	468	NM	0	NM	221	0	81	843
May	70	6	0	480	NM	0	NM	234	0	87	880
June	68	10	0	493	NM	0	NM	225	0	79	880
July	78	11	1	553	0	0	NM	239	0	94	980
August	71	9	1	498	NM	0	NM	238	0	95	917
Sept	58	7	1	480	NM	0	NM	231	0	89	869
October	43	8	1	471	0	0	NM	239	0	91	855
November	72	7	1	447	0	0	NM	232	0	85	845
December	81	6	1	478	0	0	NM	245	0	98	911
2013											
January	77	NM	1	522	NM	0	NM	220	0	84	923
February	89	NM	1	459	NM	0	NM	209	0	78	848
March	71	5	1	476	NM	0	NM	250	0	94	900
April	58	6	0	414	0	0	NM	235	0	91	808
May	67	6	0	449	0	0	NM	242	0	87	857
June	78	6	0	467	0	0	NM	254	0	92	903
July	79	11	0	537	NM	0	NM	256	0	100	990
August	67	7	1	527	NM	0	NM	267	0	105	977
Sept	54	NM	1	495	NM	0	NM	256	0	102	916
Year to Date											
2011	843	69	2	4,113	3	0	20	1,856	0	701	7,607
2012	641	64	4	4,474	NM	0	NM	2,030	0	762	8,010
2013	640	70	4	4,346	NM	0	NM	2,188	0	833	8,123
Rolling 12 Months Ending in September											
2012	847	NM	4	5,848	NM	0	NM	2,649	0	1,011	10,483
2013	835	NM	6	5,741	NM	0	NM	2,904	0	1,106	10,734

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
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Table 1.5. Net Generation by Energy Source: Industrial Sector, 2003-September 2013
(Thousand Megawatthours)

Period	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Other Renewable Sources	Hydroelectric Pumped Storage	Other	Total
Annual Totals											
2003	19,817	3,726	1,559	78,705	12,953	0	4,222	28,704	0	4,843	154,530
2004	19,773	4,128	1,839	78,959	11,684	0	3,248	29,164	0	5,129	153,925
2005	19,466	3,804	1,564	72,882	9,687	0	3,195	29,003	0	5,137	144,739
2006	19,464	2,567	1,656	77,669	9,923	0	2,899	28,972	0	5,103	148,254
2007	16,694	2,355	1,889	77,580	9,411	0	1,590	28,919	0	4,690	143,128
2008	15,703	1,555	1,664	76,421	8,507	0	1,676	27,462	0	4,125	137,113
2009	13,686	1,474	1,489	75,748	7,574	0	1,868	26,033	0	4,457	132,329
2010	18,441	844	1,414	81,583	8,343	0	1,668	26,576	0	5,214	144,082
2011	14,490	657	1,234	81,911	8,624	0	1,799	27,619	0	5,541	141,875
2012	13,634	506	2,182	86,767	8,490	0	1,851	27,903	0	3,828	145,162
2011											
January	1,304	84	123	6,901	687	0	143	2,389	0	423	12,054
February	1,125	68	100	6,177	600	0	160	2,126	0	414	10,770
March	1,161	59	101	6,212	693	0	187	2,260	0	474	11,149
April	1,139	56	107	6,416	674	0	184	2,164	0	436	11,175
May	1,199	47	109	6,597	633	0	198	2,099	0	477	11,359
June	1,249	48	104	6,802	753	0	150	2,360	0	471	11,938
July	1,353	43	98	7,517	836	0	109	2,384	0	529	12,868
August	1,389	45	94	7,745	823	0	96	2,420	0	474	13,085
Sept	1,209	46	99	6,953	752	0	122	2,336	0	432	11,948
October	1,120	58	104	6,419	700	0	126	2,233	0	463	11,224
November	1,077	49	95	6,742	715	0	146	2,374	0	465	11,663
December	1,165	55	100	7,429	758	0	178	2,474	0	483	12,642
2012											
January	1,175	54	239	7,293	743	0	175	2,491	0	310	12,480
February	1,055	46	149	6,963	771	0	157	2,319	0	274	11,733
March	1,097	36	161	6,716	769	0	186	2,179	0	308	11,452
April	998	58	156	6,522	745	0	160	2,097	0	285	11,022
May	1,063	34	146	7,235	742	0	182	2,273	0	330	12,006
June	1,130	48	157	7,266	717	0	131	2,264	0	290	12,000
July	1,344	37	168	7,892	731	0	109	2,390	0	332	13,003
August	1,299	34	216	7,535	779	0	97	2,373	0	336	12,669
Sept	1,124	38	192	7,045	668	0	92	2,321	0	324	11,805
October	1,152	53	164	7,096	614	0	107	2,326	0	347	11,860
November	1,085	32	219	7,309	576	0	236	2,392	0	343	12,191
December	1,115	36	216	7,894	634	0	218	2,479	0	350	12,942
2013											
January	1,069	58	163	7,740	698	0	344	2,435	0	324	12,831
February	1,039	37	93	6,958	627	0	371	2,260	0	308	11,693
March	1,102	34	158	7,475	720	0	297	2,358	0	322	12,466
April	965	36	153	6,712	646	0	252	2,059	0	288	11,111
May	1,085	42	177	7,152	728	0	319	2,260	0	283	12,047
June	1,122	30	163	7,272	656	0	295	2,345	0	316	12,199
July	1,211	36	170	7,698	746	0	311	2,475	0	342	12,989
August	1,107	38	165	7,597	741	0	234	2,473	0	376	12,732
Sept	1,058	31	140	7,032	658	0	228	2,345	0	361	11,853
Year to Date											
2011	11,128	495	935	61,321	6,450	0	1,349	20,539	0	4,129	106,346
2012	10,283	386	1,583	64,467	6,666	0	1,289	20,707	0	2,788	108,169
2013	9,758	342	1,382	65,637	6,219	0	2,651	21,011	0	2,920	109,920
Rolling 12 Months Ending in September											
2012	13,646	548	1,882	85,058	8,840	0	1,739	27,787	0	4,200	143,698
2013	13,109	463	1,981	87,936	8,043	0	3,213	28,207	0	3,960	146,912

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Other Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

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

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	9,557	10,018	-4.6%	194	132	8,830	9,346	81	74	452	467
Connecticut	2,990	3,174	-5.8%	NM	NM	2,946	3,128	18	NM	21	23
Maine	1,064	1,245	-14.6%	NM	NM	680	808	18	17	366	421
Massachusetts	2,680	3,158	-15.1%	53	38	2,527	3,065	40	35	61	NM
New Hampshire	1,571	1,155	36.0%	66	46	1,501	1,105	NM	NM	NM	NM
Rhode Island	701	750	-6.5%	1	1	696	744	NM	NM	0	0
Vermont	552	537	2.8%	69	39	480	496	NM	NM	NM	NM
Middle Atlantic	33,771	34,504	-2.1%	2,675	2,723	30,615	31,281	162	139	319	361
New Jersey	5,533	5,859	-5.6%	-15	-14	5,443	5,772	50	47	56	55
New York	10,531	11,012	-4.4%	2,652	2,705	7,718	8,170	88	66	73	72
Pennsylvania	17,707	17,633	0.4%	38	32	17,454	17,340	24	26	191	234
East North Central	49,123	46,812	4.9%	25,596	24,150	22,564	21,676	153	159	811	828
Illinois	16,523	15,122	9.3%	915	853	15,357	14,016	31	28	220	226
Indiana	8,753	8,818	-0.7%	7,636	7,706	815	822	21	21	281	269
Michigan	8,483	8,576	-1.1%	6,825	6,541	1,491	1,859	75	82	93	94
Ohio	10,186	9,187	10.9%	6,462	5,753	3,640	3,341	16	NM	68	78
Wisconsin	5,178	5,109	1.4%	3,758	3,297	1,262	1,638	NM	NM	149	162
West North Central	26,912	26,752	0.6%	23,308	24,049	3,219	2,286	48	50	337	366
Iowa	4,556	4,318	5.5%	3,397	3,307	981	813	17	18	162	180
Kansas	4,052	4,021	0.8%	3,269	3,741	779	279	0	0	NM	NM
Minnesota	4,147	4,079	1.7%	3,299	3,396	706	528	NM	18	128	137
Missouri	7,388	7,605	-2.9%	7,202	7,428	167	161	15	13	NM	NM
Nebraska	3,127	2,859	9.4%	2,966	2,765	131	65	NM	NM	28	28
North Dakota	2,597	2,732	-5.0%	2,293	2,426	291	291	NM	NM	NM	15
South Dakota	1,045	1,137	-8.1%	881	987	164	150	NM	NM	0	0
South Atlantic	65,258	63,241	3.2%	53,262	51,251	10,416	10,467	87	72	1,494	1,451
Delaware	692	779	-11.2%	NM	NM	623	711	NM	NM	66	66
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	20,298	19,893	2.0%	18,457	17,901	1,390	1,551	NM	NM	444	433
Georgia	10,945	10,402	5.2%	9,596	8,737	948	1,286	NM	3	398	375
Maryland	2,770	3,113	-11.0%	NM	NM	2,727	3,055	21	19	19	37
North Carolina	10,531	8,793	19.8%	9,177	8,115	1,149	534	8	4	197	140
South Carolina	7,311	8,302	-11.9%	7,006	8,013	194	140	NM	NM	110	149
Virginia	5,987	5,792	3.4%	4,849	4,495	921	1,075	41	38	175	184
West Virginia	6,718	6,160	9.1%	4,171	3,978	2,463	2,116	0	0	84	66
East South Central	30,582	30,333	0.8%	26,598	25,613	3,118	3,963	NM	NM	852	744
Alabama	12,564	13,066	-3.8%	9,676	9,407	2,541	3,291	0	0	347	368
Kentucky	7,287	6,503	12.1%	7,260	6,452	8	22	0	0	19	29
Mississippi	4,284	4,475	-4.3%	3,483	3,678	562	644	NM	NM	237	150
Tennessee	6,446	6,289	2.5%	6,179	6,075	7	5	NM	NM	248	198
West South Central	60,923	58,126	4.8%	23,167	21,011	31,833	31,211	57	55	5,866	5,849
Arkansas	5,444	4,785	13.8%	4,407	3,373	882	1,261	NM	NM	154	150
Louisiana	9,112	9,105	0.1%	4,824	4,580	2,093	2,245	NM	NM	2,191	2,277
Oklahoma	6,582	6,287	4.7%	4,788	4,602	1,721	1,612	NM	NM	70	70
Texas	39,785	37,949	4.8%	9,148	8,457	27,137	26,093	49	48	3,451	3,352
Mountain	31,564	32,040	-1.5%	24,111	24,755	7,197	6,991	24	24	232	270
Arizona	10,496	10,144	3.5%	8,128	8,044	2,362	2,070	NM	7	0	22
Colorado	4,263	4,255	0.2%	3,049	3,308	1,205	939	NM	NM	NM	6
Idaho	1,225	1,095	11.8%	792	695	397	358	0	0	35	42
Montana	1,763	2,143	-17.7%	367	411	1,396	1,731	0	0	NM	NM
Nevada	2,994	3,445	-13.1%	2,032	2,267	932	1,142	NM	8	NM	28
New Mexico	2,950	3,366	-12.3%	2,423	2,929	514	422	NM	7	NM	8
Utah	3,742	3,517	6.4%	3,464	3,292	176	153	NM	NM	102	71
Wyoming	4,131	4,075	1.4%	3,856	3,807	214	176	0	0	61	92
Pacific Contiguous	31,191	31,579	-1.2%	16,526	17,580	12,960	12,324	250	246	1,456	1,429
California	18,822	19,159	-1.8%	7,078	7,657	10,201	9,981	244	239	1,299	1,282
Oregon	4,480	4,706	-4.8%	3,050	3,402	1,381	1,259	NM	NM	43	39
Washington	7,889	7,714	2.3%	6,398	6,521	1,377	1,084	NM	NM	113	108
Pacific Noncontiguous	1,287	1,330	-3.2%	847	935	364	317	41	38	34	40
Alaska	449	505	-11.0%	410	466	20	17	10	10	NM	NM
Hawaii	838	825	1.5%	437	470	344	299	32	28	26	28
U.S. Total	340,169	334,735	1.6%	196,283	192,200	131,117	129,861	916	869	11,853	11,805

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.6.B. Net Generation
by State, by Sector, Year-to-Date through September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	88,297	92,827	-4.9%	3,123	2,478	80,345	85,441	741	736	4,087	4,172
Connecticut	26,675	27,133	-1.7%	60	69	26,259	26,679	153	159	203	225
Maine	10,417	11,439	-8.9%	NM	NM	7,030	7,570	154	152	3,233	3,716
Massachusetts	26,128	27,663	-5.6%	540	470	24,604	26,636	376	367	608	190
New Hampshire	14,857	14,995	-0.9%	1,820	1,462	12,999	13,497	NM	12	NM	24
Rhode Island	5,088	6,647	-23.5%	8	8	5,040	6,595	40	44	0	0
Vermont	5,132	4,950	3.7%	697	468	4,414	4,463	NM	NM	NM	NM
Middle Atlantic	326,897	326,640	0.1%	26,201	27,873	296,101	294,082	1,430	1,295	3,164	3,390
New Jersey	49,085	51,368	-4.4%	-115	-76	48,282	50,503	406	427	511	515
New York	103,063	104,722	-1.6%	25,420	27,163	76,141	76,209	794	626	708	722
Pennsylvania	174,748	170,550	2.5%	896	786	171,678	167,370	230	242	1,944	2,152
East North Central	464,121	468,380	-0.9%	243,749	234,961	211,632	224,201	1,371	1,511	7,369	7,707
Illinois	151,655	148,659	2.0%	9,000	9,876	140,305	136,354	323	328	2,027	2,101
Indiana	82,289	86,790	-5.2%	71,817	75,531	7,956	8,622	181	179	2,334	2,458
Michigan	78,152	84,144	-7.1%	61,830	61,679	14,829	20,882	632	723	860	861
Ohio	101,938	99,363	2.6%	65,671	56,740	35,463	41,758	145	151	658	714
Wisconsin	50,087	49,424	1.3%	35,430	31,136	13,078	16,585	90	129	1,489	1,573
West North Central	249,181	248,078	0.4%	217,183	219,160	28,418	25,331	453	470	3,127	3,117
Iowa	43,220	42,783	1.0%	32,498	32,434	9,021	8,665	174	157	1,527	1,527
Kansas	36,558	32,820	11.4%	30,272	30,077	6,257	2,722	0	0	28	NM
Minnesota	37,966	39,280	-3.3%	30,635	31,846	6,060	6,106	141	167	1,130	1,161
Missouri	69,713	70,337	-0.9%	67,728	67,748	1,815	2,422	125	133	43	33
Nebraska	27,682	26,397	4.9%	26,315	25,382	1,082	756	NM	14	272	247
North Dakota	26,314	27,238	-3.4%	23,501	24,093	2,687	3,017	NM	NM	126	127
South Dakota	7,729	9,223	-16.2%	6,233	7,580	1,496	1,643	NM	NM	0	0
South Atlantic	573,618	572,567	0.2%	469,338	463,164	89,511	95,172	739	621	14,029	13,609
Delaware	6,080	6,977	-12.8%	NM	NM	5,302	6,322	NM	NM	752	626
District of Columbia	52	73	-28.6%	0	NM	0	9	52	0	0	0
Florida	167,640	170,600	-1.7%	152,587	152,505	10,998	14,065	62	63	3,994	3,968
Georgia	91,913	94,985	-3.2%	80,646	77,832	7,672	13,532	25	22	3,571	3,600
Maryland	26,205	27,889	-6.0%	12	9	25,765	27,179	174	187	254	514
North Carolina	93,784	89,216	5.1%	82,236	83,091	9,573	4,835	72	32	1,902	1,258
South Carolina	73,579	74,168	-0.8%	71,120	71,353	1,181	1,390	NM	NM	1,274	1,422
Virginia	58,343	54,988	6.1%	48,486	43,475	8,084	9,762	347	311	1,425	1,439
West Virginia	56,022	53,672	4.4%	34,229	34,812	20,935	18,077	0	0	858	783
East South Central	284,199	286,094	-0.7%	245,894	237,038	30,051	42,128	121	122	8,133	6,806
Alabama	113,379	117,099	-3.2%	86,052	81,043	24,155	32,700	0	0	3,172	3,356
Kentucky	68,109	67,614	0.7%	67,595	66,947	211	336	0	0	303	331
Mississippi	40,815	42,508	-4.0%	33,018	32,102	5,619	9,044	NM	NM	2,160	1,344
Tennessee	61,896	58,872	5.1%	59,228	56,946	66	49	104	103	2,498	1,774
West South Central	511,422	526,971	-3.0%	186,747	195,484	269,648	277,452	480	485	54,546	53,550
Arkansas	46,604	51,149	-8.9%	33,775	34,524	11,355	15,194	NM	NM	1,470	1,426
Louisiana	75,430	79,997	-5.7%	38,060	40,847	16,919	18,792	NM	NM	20,417	20,323
Oklahoma	56,645	62,761	-9.7%	41,165	45,610	14,867	16,520	NM	NM	582	601
Texas	332,743	333,064	-0.1%	73,747	74,503	226,507	226,945	412	415	32,077	31,201
Mountain	286,143	279,609	2.3%	224,088	219,962	59,566	56,979	207	214	2,282	2,453
Arizona	85,231	86,326	-1.3%	70,957	71,299	14,206	14,781	52	58	NM	188
Colorado	40,810	40,698	0.3%	31,178	31,778	9,560	8,848	24	22	48	50
Idaho	12,897	12,944	-0.4%	8,855	9,446	3,669	3,115	0	0	372	383
Montana	21,268	19,955	6.6%	5,662	6,458	15,599	13,491	0	0	NM	NM
Nevada	28,153	26,616	5.8%	19,493	18,069	8,386	8,252	71	73	203	220
New Mexico	27,390	27,653	-1.0%	22,716	22,817	4,559	4,714	58	60	57	62
Utah	31,658	29,328	7.9%	29,530	27,186	1,405	1,495	NM	NM	721	645
Wyoming	38,736	36,089	7.3%	35,697	32,909	2,181	2,282	0	0	858	899
Pacific Contiguous	282,680	288,534	-2.0%	169,593	181,630	97,996	91,735	2,213	2,170	12,880	12,999
California	151,833	153,047	-0.8%	60,694	62,579	77,546	76,671	2,156	2,104	11,437	11,693
Oregon	45,037	45,934	-2.0%	32,854	36,124	11,731	9,446	51	54	400	310
Washington	85,811	89,553	-4.2%	76,044	82,927	8,719	5,617	NM	NM	1,042	996
Pacific Noncontiguous	11,903	12,746	-6.6%	8,281	9,163	2,952	2,830	368	386	302	367
Alaska	4,615	5,226	-11.7%	4,236	4,821	192	153	106	163	81	89
Hawaii	7,288	7,520	-3.1%	4,045	4,342	2,760	2,677	262	223	221	278
U.S. Total	3,078,460	3,102,444	-0.8%	1,794,197	1,790,914	1,166,220	1,195,351	8,123	8,010	109,920	108,169

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.7.A. Net Generation from Coal
by State, by Sector, September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	123	31	297.9%	14	0	104	NM	0	0	5	5
Connecticut	7	-1	-578.7%	0	0	7	-1	0	0	0	0
Maine	3	4	-25.1%	0	0	1	2	0	0	2	2
Massachusetts	99	NM	NM	0	0	97	NM	0	0	NM	NM
New Hampshire	14	0	NM	14	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	7,374	7,193	2.5%	0	0	7,310	7,088	NM	0	63	105
New Jersey	133	112	17.9%	0	0	133	112	0	0	0	0
New York	187	303	-38.3%	0	0	166	278	0	0	21	25
Pennsylvania	7,055	6,778	4.1%	0	0	7,012	6,698	NM	0	42	80
East North Central	30,886	26,547	16.3%	22,081	20,093	8,547	6,195	19	21	238	237
Illinois	7,707	6,208	24.1%	847	801	6,720	5,264	NM	5	140	138
Indiana	7,584	7,330	3.5%	7,109	6,831	458	482	13	13	NM	NM
Michigan	4,788	4,421	8.3%	4,760	4,379	NM	28	4	2	17	12
Ohio	7,483	5,680	31.7%	6,107	5,238	1,362	422	NM	NM	14	20
Wisconsin	3,324	2,908	14.3%	3,258	2,843	0	0	NM	NM	64	63
West North Central	17,628	18,223	-3.3%	17,349	17,919	0	0	20	21	259	283
Iowa	2,699	2,875	-6.1%	2,527	2,684	0	0	13	14	158	177
Kansas	2,653	2,625	1.1%	2,653	2,625	0	0	0	0	0	0
Minnesota	1,772	1,964	-9.8%	1,708	1,894	0	0	NM	NM	64	70
Missouri	5,966	6,225	-4.2%	5,957	6,216	0	0	6	6	NM	NM
Nebraska	2,279	2,105	8.2%	2,252	2,080	0	0	0	0	26	25
North Dakota	2,012	2,137	-5.9%	2,004	2,130	0	0	0	0	NM	NM
South Dakota	248	290	-14.5%	248	290	0	0	0	0	0	0
South Atlantic	23,360	21,757	7.4%	19,099	17,611	4,073	3,959	NM	5	185	183
Delaware	132	151	-12.4%	0	0	132	151	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,220	4,077	3.5%	4,023	3,874	178	182	0	0	NM	21
Georgia	3,971	3,746	6.0%	3,933	3,712	0	0	0	0	38	33
Maryland	1,174	1,380	-14.9%	0	0	1,166	1,376	0	0	8	4
North Carolina	3,736	3,623	3.1%	3,547	3,429	166	169	2	3	NM	22
South Carolina	2,039	2,080	-2.0%	2,027	2,070	0	0	0	0	11	10
Virginia	1,566	705	122.0%	1,442	593	79	57	NM	NM	43	53
West Virginia	6,523	5,997	8.8%	4,127	3,933	2,353	2,024	0	0	43	40
East South Central	14,830	13,734	8.0%	14,422	13,308	291	300	NM	NM	114	125
Alabama	4,434	4,167	6.4%	4,417	4,147	0	3	0	0	17	17
Kentucky	6,882	6,027	14.2%	6,882	6,027	0	0	0	0	0	0
Mississippi	752	638	17.8%	460	341	291	297	0	0	0	0
Tennessee	2,762	2,902	-4.8%	2,663	2,792	0	0	NM	NM	97	108
West South Central	21,766	19,704	10.5%	11,218	10,358	10,505	9,306	0	0	44	40
Arkansas	2,911	2,474	17.7%	2,484	2,117	419	354	0	0	7	3
Louisiana	2,330	1,981	17.6%	1,282	1,049	1,048	932	0	0	0	0
Oklahoma	2,754	2,376	15.9%	2,554	2,173	163	166	0	0	37	36
Texas	13,772	12,874	7.0%	4,897	5,019	8,874	7,854	0	0	0	NM
Mountain	16,320	17,222	-5.2%	14,927	15,452	1,282	1,663	0	0	112	107
Arizona	3,745	3,386	10.6%	3,745	3,364	0	0	0	0	0	22
Colorado	2,420	2,790	-13.3%	2,407	2,778	NM	NM	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,100	1,473	-25.3%	NM	NM	1,074	1,447	0	0	NM	NM
Nevada	407	533	-23.7%	308	428	98	104	0	0	0	0
New Mexico	1,906	2,475	-23.0%	1,906	2,475	0	0	0	0	0	0
Utah	2,974	2,815	5.6%	2,868	2,737	NM	NM	0	0	69	41
Wyoming	3,763	3,743	0.5%	3,667	3,644	NM	NM	0	0	36	37
Pacific Contiguous	1,331	1,182	12.6%	375	345	923	801	0	0	34	36
California	136	147	-7.3%	0	0	106	114	0	0	30	33
Oregon	375	345	8.6%	375	345	0	0	0	0	0	0
Washington	821	691	18.8%	0	0	817	688	0	0	4	3
Pacific Noncontiguous	174	174	0.1%	18	18	143	143	9	9	NM	NM
Alaska	44	45	-2.2%	18	18	17	17	9	9	0	0
Hawaii	130	129	0.9%	0	0	127	125	0	0	NM	NM
U.S. Total	133,792	125,767	6.4%	99,501	95,104	33,179	29,481	54	58	1,058	1,124

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

Table 1.7.B. Net Generation from Coal
by State, by Sector, Year-to-Date through September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	4,595	2,474	85.7%	1,176	896	3,372	1,543	0	0	47	35
Connecticut	426	71	503.5%	0	0	426	71	0	0	0	0
Maine	46	29	56.8%	0	0	24	19	0	0	21	11
Massachusetts	2,947	1,479	99.3%	0	0	2,921	1,454	0	0	26	24
New Hampshire	1,176	896	31.3%	1,176	896	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	76,653	71,098	7.8%	NM	NM	75,908	70,118	NM	NM	728	966
New Jersey	1,605	1,558	3.0%	0	0	1,605	1,558	0	0	0	0
New York	3,950	3,304	19.6%	NM	NM	3,709	3,048	0	0	227	243
Pennsylvania	71,099	66,237	7.3%	0	0	70,594	65,512	NM	NM	501	723
East North Central	279,962	259,597	7.8%	205,233	187,258	72,218	69,780	258	258	2,252	2,302
Illinois	65,366	59,886	9.2%	8,341	8,298	55,738	50,244	36	29	1,251	1,315
Indiana	69,376	69,113	0.4%	65,364	64,547	3,868	4,426	109	104	36	36
Michigan	42,432	39,756	6.7%	41,923	39,274	246	252	94	111	169	120
Ohio	72,272	66,701	8.4%	59,730	51,648	12,366	14,858	NM	NM	172	193
Wisconsin	30,515	24,141	26.4%	29,874	23,491	0	0	16	12	624	638
West North Central	167,186	160,656	4.1%	164,509	158,047	0	0	221	173	2,455	2,435
Iowa	26,156	26,451	-1.1%	24,512	24,827	0	0	139	118	1,506	1,506
Kansas	22,938	20,956	9.5%	22,938	20,956	0	0	0	0	0	0
Minnesota	17,121	16,543	3.5%	16,520	15,922	0	0	NM	NM	592	615
Missouri	58,060	55,030	5.5%	57,947	54,951	0	0	74	49	40	29
Nebraska	19,872	18,374	8.2%	19,622	18,156	0	0	0	0	250	217
North Dakota	20,775	21,213	-2.1%	20,708	21,145	0	0	0	0	68	68
South Dakota	2,263	2,088	8.4%	2,263	2,088	0	0	0	0	0	0
South Atlantic	202,238	203,408	-0.6%	165,315	168,898	35,272	32,714	36	36	1,614	1,761
Delaware	1,190	1,041	14.4%	0	0	1,190	1,041	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	35,260	34,225	3.0%	33,921	32,666	1,171	1,381	0	0	168	178
Georgia	30,791	32,954	-6.6%	30,438	32,568	0	0	0	0	353	386
Maryland	11,516	11,475	0.4%	0	0	11,407	11,358	0	0	109	117
North Carolina	35,868	38,940	-7.9%	34,378	37,369	1,294	1,371	22	20	175	180
South Carolina	18,211	22,190	-17.9%	18,097	22,030	0	30	0	0	114	130
Virginia	16,053	11,238	42.8%	14,750	9,881	891	881	NM	NM	398	460
West Virginia	53,349	51,347	3.9%	33,731	34,385	19,319	16,652	0	0	298	311
East South Central	132,017	127,006	3.9%	128,679	123,746	2,166	2,104	19	15	1,153	1,140
Alabama	35,788	33,905	5.6%	35,631	33,731	0	27	0	0	157	147
Kentucky	62,912	61,764	1.9%	62,912	61,764	0	0	0	0	0	0
Mississippi	6,802	5,827	16.7%	4,636	3,751	2,166	2,077	0	0	0	0
Tennessee	26,514	25,509	3.9%	25,499	24,500	0	0	19	15	996	993
West South Central	177,319	162,213	9.3%	95,282	90,311	81,696	71,525	0	0	341	377
Arkansas	24,599	21,955	12.0%	21,361	18,458	3,167	3,429	0	0	71	67
Louisiana	16,756	15,450	8.5%	7,916	7,593	8,836	7,850	0	0	NM	NM
Oklahoma	22,430	22,436	0.0%	20,912	20,977	1,254	1,161	0	0	265	298
Texas	113,534	102,373	10.9%	45,094	43,284	68,439	59,085	0	0	0	NM
Mountain	152,334	139,891	8.9%	138,138	127,936	13,350	11,023	0	0	846	932
Arizona	32,601	29,490	10.5%	32,588	29,310	0	0	0	0	NM	180
Colorado	25,590	25,631	-0.2%	25,497	25,530	93	101	0	0	0	0
Idaho	59	57	3.6%	0	0	0	0	0	0	59	57
Montana	11,587	9,531	21.6%	227	210	11,352	9,316	0	0	NM	NM
Nevada	4,147	2,627	57.9%	3,122	1,861	1,026	766	0	0	0	0
New Mexico	18,367	18,623	-1.4%	18,367	18,623	0	0	0	0	0	0
Utah	25,494	22,365	14.0%	24,716	21,703	326	301	0	0	452	361
Wyoming	34,490	31,568	9.3%	33,622	30,698	552	540	0	0	316	329
Pacific Contiguous	7,863	4,430	77.5%	2,561	1,504	5,006	2,620	0	0	296	306
California	1,054	1,259	-16.3%	0	0	781	978	0	0	273	281
Oregon	2,561	1,504	70.3%	2,561	1,504	0	0	0	0	0	0
Washington	4,248	1,667	154.8%	0	0	4,225	1,641	0	0	23	26
Pacific Noncontiguous	1,401	1,620	-13.5%	141	163	1,134	1,271	101	158	NM	29
Alaska	386	473	-18.3%	141	163	144	153	101	158	0	0
Hawaii	1,015	1,147	-11.5%	0	0	990	1,118	0	0	NM	29
U.S. Total	1,201,567	1,132,394	6.1%	901,049	858,771	290,121	262,698	640	641	9,758	10,283

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.8.A. Net Generation from Petroleum Liquids
by State, by Sector, September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	28	13	109.8%	NM	4	18	3	NM	4	NM	2
Connecticut	NM	3	NM	NM	1	NM	2	NM	0	NM	NM
Maine	NM	2	NM	NM	NM	NM	NM	NM	NM	NM	2
Massachusetts	19	6	224.0%	3	1	14	1	NM	3	NM	NM
New Hampshire	NM	NM	NM	NM	0	NM	NM	NM	NM	NM	NM
Rhode Island	NM	1	NM	1	1	NM	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	78	54	45.2%	23	21	47	26	NM	1	7	5
New Jersey	NM	3	NM	NM	NM	NM	3	NM	NM	NM	NM
New York	54	33	66.2%	23	21	25	6	NM	NM	6	5
Pennsylvania	NM	18	NM	NM	NM	NM	17	0	0	NM	NM
East North Central	55	43	26.4%	39	36	14	5	NM	NM	2	2
Illinois	5	5	-8.3%	NM	2	3	3	NM	NM	NM	NM
Indiana	11	9	24.8%	10	7	NM	NM	NM	NM	1	2
Michigan	12	9	40.0%	12	8	0	0	NM	NM	0	0
Ohio	23	17	36.3%	11	15	11	2	NM	NM	0	0
Wisconsin	4	4	5.5%	4	4	0	0	NM	NM	NM	NM
West North Central	23	17	33.0%	23	17	NM	NM	NM	NM	NM	NM
Iowa	5	4	20.2%	5	4	NM	NM	NM	NM	NM	NM
Kansas	3	2	71.4%	3	2	0	0	0	0	0	0
Minnesota	6	1	304.5%	6	1	0	NM	NM	NM	NM	NM
Missouri	NM	5	NM	NM	5	0	0	NM	NM	0	0
Nebraska	2	1	56.9%	2	1	0	0	0	0	0	0
North Dakota	3	3	14.3%	3	3	0	0	NM	NM	NM	NM
South Dakota	NM	1	NM	NM	1	NM	NM	NM	NM	0	0
South Atlantic	86	108	-20.0%	49	73	31	24	NM	NM	6	10
Delaware	NM	1	NM	NM	NM	NM	1	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	15	41	-62.9%	14	39	NM	1	0	0	NM	NM
Georgia	5	9	-38.2%	3	2	NM	NM	NM	NM	3	6
Maryland	13	7	86.2%	NM	1	12	6	NM	NM	0	NM
North Carolina	13	12	11.7%	12	10	NM	NM	NM	NM	NM	NM
South Carolina	6	5	6.2%	5	5	0	0	NM	NM	1	1
Virginia	23	22	6.7%	6	4	16	16	0	0	1	2
West Virginia	8	11	-23.8%	8	11	0	0	0	0	0	0
East South Central	20	30	-32.7%	19	28	NM	NM	0	0	NM	2
Alabama	4	6	-35.9%	3	5	NM	NM	0	0	NM	NM
Kentucky	6	11	-46.4%	6	11	0	0	0	0	0	0
Mississippi	1	1	41.4%	1	0	0	0	0	0	0	0
Tennessee	10	12	-23.1%	9	12	0	0	0	0	NM	NM
West South Central	8	15	-49.3%	5	6	2	9	NM	NM	1	0
Arkansas	2	3	-29.0%	2	1	0	2	0	0	NM	NM
Louisiana	2	3	-45.7%	1	1	1	3	0	0	1	0
Oklahoma	0	1	-51.3%	0	1	0	0	NM	NM	0	0
Texas	4	9	-56.6%	2	4	1	4	NM	NM	NM	NM
Mountain	17	22	-22.5%	16	20	NM	2	0	NM	NM	NM
Arizona	4	2	94.2%	4	2	0	0	NM	NM	0	NM
Colorado	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	NM	1	NM	NM	NM	NM	1	0	0	0	0
Nevada	2	2	13.3%	2	1	0	0	0	0	0	0
New Mexico	NM	5	NM	3	5	NM	NM	0	0	0	0
Utah	2	4	-44.0%	2	4	0	NM	0	0	0	0
Wyoming	4	6	-32.4%	4	6	0	0	0	0	NM	NM
Pacific Contiguous	6	7	-10.7%	4	5	NM	1	NM	NM	2	NM
California	4	4	0.4%	4	4	NM	0	NM	NM	NM	NM
Oregon	0	0	-7.2%	0	0	0	0	NM	NM	0	0
Washington	2	3	-28.0%	NM	1	0	1	NM	NM	NM	NM
Pacific Noncontiguous	644	675	-4.7%	487	536	145	124	NM	NM	NM	NM
Alaska	59	78	-24.3%	56	73	0	0	NM	NM	3	5
Hawaii	584	597	-2.1%	431	463	145	124	0	0	NM	NM
U.S. Total	965	985	-2.1%	669	746	259	194	NM	7	31	38

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.8.B. Net Generation from Petroleum Liquids
by State, by Sector, Year-to-Date through September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	696	338	105.7%	122	49	499	211	47	43	28	35
Connecticut	215	95	125.4%	3	4	208	89	NM	0	NM	NM
Maine	173	83	107.4%	NM	NM	157	49	NM	NM	13	32
Massachusetts	213	115	84.0%	56	14	118	73	28	28	11	NM
New Hampshire	65	30	115.2%	50	19	NM	NM	NM	12	NM	NM
Rhode Island	26	10	151.0%	8	8	17	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	1,146	697	64.4%	418	302	653	329	NM	9	64	57
New Jersey	94	29	228.7%	NM	NM	91	25	NM	NM	NM	NM
New York	820	482	70.2%	417	299	334	122	NM	8	59	52
Pennsylvania	232	187	24.1%	NM	NM	227	182	1	1	NM	4
East North Central	475	462	2.9%	374	383	86	64	NM	2	13	13
Illinois	57	50	15.7%	19	17	38	33	NM	NM	NM	NM
Indiana	107	91	18.4%	99	82	NM	NM	NM	NM	9	9
Michigan	114	113	1.3%	110	109	0	0	NM	2	2	2
Ohio	172	179	-4.3%	124	149	46	29	NM	NM	2	2
Wisconsin	24	29	-16.7%	22	26	2	2	NM	NM	NM	NM
West North Central	211	228	-7.4%	206	220	1	5	NM	NM	2	NM
Iowa	57	65	-12.9%	56	64	1	NM	NM	NM	NM	NM
Kansas	40	24	68.7%	40	24	0	0	0	0	0	0
Minnesota	12	26	-55.3%	9	20	0	4	NM	NM	NM	NM
Missouri	52	62	-16.9%	52	62	0	0	NM	NM	0	0
Nebraska	18	17	4.4%	18	17	0	0	0	0	0	0
North Dakota	25	26	-2.1%	24	25	0	0	NM	NM	NM	NM
South Dakota	8	7	3.3%	7	7	NM	NM	NM	NM	0	0
South Atlantic	1,239	1,498	-17.3%	958	1,190	192	214	NM	2	87	92
Delaware	27	19	38.7%	NM	NM	26	19	0	0	0	0
District of Columbia	0	9	-100.0%	0	0	0	9	0	0	0	0
Florida	413	641	-35.6%	396	608	NM	18	0	0	12	15
Georgia	58	80	-27.0%	18	46	NM	NM	1	1	38	32
Maryland	111	98	13.7%	6	7	105	84	NM	NM	0	7
North Carolina	165	147	12.3%	149	132	7	NM	NM	NM	9	12
South Carolina	81	86	-4.9%	75	79	0	0	NM	NM	6	7
Virginia	275	311	-11.6%	205	211	49	79	0	1	20	20
West Virginia	109	108	1.2%	108	107	1	1	0	0	0	0
East South Central	263	293	-10.2%	235	266	1	1	0	0	27	26
Alabama	68	77	-11.4%	45	55	1	1	0	0	22	21
Kentucky	87	91	-4.2%	87	91	0	0	0	0	0	0
Mississippi	11	15	-26.4%	8	11	0	0	0	0	3	3
Tennessee	97	110	-12.2%	95	109	0	0	0	0	NM	NM
West South Central	134	129	3.2%	49	47	70	73	NM	NM	13	8
Arkansas	28	22	27.2%	15	12	12	9	0	0	NM	NM
Louisiana	38	26	43.8%	9	8	18	13	0	0	11	5
Oklahoma	6	9	-30.8%	6	8	0	0	NM	NM	0	0
Texas	62	73	-14.6%	19	19	41	51	NM	NM	NM	NM
Mountain	163	172	-5.4%	149	154	14	17	NM	NM	NM	NM
Arizona	32	30	5.3%	32	29	0	0	NM	NM	NM	NM
Colorado	10	12	-21.5%	9	12	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	10	12	-14.4%	NM	NM	10	11	0	0	0	0
Nevada	14	15	-6.6%	11	10	3	4	0	0	0	0
New Mexico	37	33	10.1%	36	32	NM	NM	0	0	0	0
Utah	31	33	-5.2%	31	33	NM	NM	0	0	0	0
Wyoming	30	37	-19.8%	30	37	0	0	0	0	NM	NM
Pacific Contiguous	62	64	-2.8%	33	36	10	14	NM	NM	18	12
California	36	38	-4.7%	25	27	3	9	1	NM	7	2
Oregon	5	5	2.1%	5	5	0	0	NM	NM	0	0
Washington	21	21	-0.6%	NM	5	7	5	NM	NM	11	11
Pacific Noncontiguous	5,799	6,246	-7.2%	4,548	5,043	1,157	1,062	4	NM	90	139
Alaska	567	770	-26.4%	534	734	0	0	2	NM	30	34
Hawaii	5,232	5,476	-4.5%	4,014	4,309	1,157	1,062	1	1	60	105
U.S. Total	10,188	10,128	0.6%	7,093	7,688	2,682	1,990	70	64	342	386

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	NM	0	--	0	0	0	0	0	0	NM	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	205	272	-24.7%	84	146	100	103	0	0	NM	23
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	77	145	-46.9%	77	145	0	0	0	0	0	0
Michigan	NM	NM	NM	2	0	1	6	0	0	NM	NM
Ohio	99	97	1.4%	0	0	99	97	0	0	NM	0
Wisconsin	19	20	-6.2%	5	1	0	0	0	0	13	19
West North Central	1	1	-3.2%	0	0	0	0	1	1	0	0
Iowa	1	1	-0.3%	0	0	0	0	1	1	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	296	86	245.6%	281	73	0	0	0	0	15	12
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	281	73	284.0%	281	73	0	0	0	0	0	0
Georgia	15	12	20.3%	0	0	0	0	0	0	15	12
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	108	130	-17.0%	108	130	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	108	130	-17.0%	108	130	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	359	338	6.1%	265	186	0	0	0	0	94	152
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	287	203	41.7%	265	186	0	0	0	0	NM	NM
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	72	136	-47.2%	0	0	0	0	0	0	72	136
Mountain	37	41	-8.3%	0	0	37	41	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	37	41	-8.3%	0	0	37	41	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
California	NM	NM	NM	0	0	NM	NM	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,023	879	16.5%	738	536	144	150	1	1	140	192

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	87	NM	NM	0	0	5	0	0	0	82	NM
New Jersey	NM	0	--	0	0	0	0	0	0	NM	0
New York	5	0	--	0	0	5	0	0	0	0	0
Pennsylvania	50	NM	NM	0	0	0	0	0	0	50	NM
East North Central	2,289	1,875	22.1%	1,164	886	895	780	0	0	230	209
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1,117	831	34.4%	1,117	831	0	0	0	0	0	0
Michigan	125	96	29.5%	2	0	54	55	0	0	68	NM
Ohio	844	726	16.1%	0	0	840	725	0	0	NM	NM
Wisconsin	204	221	-7.8%	45	55	0	0	0	0	159	166
West North Central	3	16	-78.4%	0	12	0	0	4	4	0	0
Iowa	4	16	-77.0%	0	12	0	0	4	4	0	0
Kansas	0	0	259.7%	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,962	842	133.0%	1,794	606	0	0	0	0	168	236
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,794	606	196.1%	1,794	606	0	0	0	0	0	0
Georgia	168	236	-28.8%	0	0	0	0	0	0	168	236
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	1,003	1,045	-4.0%	1,003	1,045	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	1,003	1,045	-4.0%	1,003	1,045	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	4,284	2,988	43.4%	3,284	1,835	98	55	0	0	902	1,098
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	3,507	1,990	76.2%	3,284	1,835	0	0	0	0	222	155
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	777	998	-22.1%	0	0	98	55	0	0	680	943
Mountain	325	326	-0.4%	0	0	325	326	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	325	326	-0.4%	0	0	325	326	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	54	244	-77.7%	0	0	54	244	0	0	0	0
California	54	244	-77.7%	0	0	54	244	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	10,007	7,375	35.7%	7,244	4,383	1,376	1,405	4	4	1,382	1,583

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.10.A. Net Generation from Natural Gas
by State, by Sector, September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	4,789	5,896	-18.8%	25	21	4,495	5,606	59	51	209	217
Connecticut	1,327	1,539	-13.8%	1	NM	1,287	1,497	18	NM	21	22
Maine	378	553	-31.7%	0	0	205	377	NM	NM	173	176
Massachusetts	1,954	2,443	-20.0%	23	17	1,880	2,379	36	31	13	NM
New Hampshire	441	623	-29.2%	1	1	438	620	0	0	NM	NM
Rhode Island	689	738	-6.6%	0	0	685	733	NM	NM	0	0
Vermont	0	0	84.3%	0	0	0	0	0	0	0	0
Middle Atlantic	10,568	12,195	-13.3%	1,055	1,272	9,331	10,747	64	61	118	115
New Jersey	2,291	2,658	-13.8%	0	0	2,237	2,608	15	NM	40	39
New York	4,140	5,129	-19.3%	1,054	1,271	3,023	3,793	45	45	19	19
Pennsylvania	4,136	4,408	-6.2%	NM	NM	4,071	4,345	NM	NM	60	56
East North Central	3,653	5,233	-30.2%	1,275	1,617	2,179	3,387	97	100	102	130
Illinois	516	792	-34.8%	62	46	390	686	30	23	34	36
Indiana	618	876	-29.5%	370	647	200	179	NM	NM	44	45
Michigan	906	1,296	-30.1%	222	199	632	1,023	41	48	NM	26
Ohio	978	1,698	-42.4%	298	467	658	1,210	15	NM	NM	NM
Wisconsin	635	572	11.1%	324	257	298	289	NM	NM	NM	17
West North Central	1,559	1,059	47.3%	1,296	843	230	177	NM	21	NM	18
Iowa	176	107	63.8%	175	104	NM	0	NM	NM	0	2
Kansas	235	207	13.8%	232	205	0	0	0	0	NM	NM
Minnesota	582	280	107.6%	422	178	144	82	NM	NM	NM	NM
Missouri	433	423	2.3%	338	321	86	95	9	7	NM	NM
Nebraska	64	28	129.1%	62	24	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	68	NM	NM	68	NM	0	0	0	0	0	0
South Atlantic	22,826	23,957	-4.7%	18,146	19,120	4,388	4,545	26	NM	267	273
Delaware	519	597	-13.0%	NM	NM	478	548	0	0	39	47
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	12,589	13,834	-9.0%	11,546	12,648	924	1,066	NM	NM	116	117
Georgia	3,682	3,787	-2.8%	2,712	2,453	901	1,272	0	0	68	61
Maryland	297	344	-13.5%	0	0	276	318	16	NM	NM	NM
North Carolina	2,521	1,779	41.7%	1,664	1,501	846	269	0	1	NM	NM
South Carolina	1,125	1,304	-13.7%	931	1,164	189	136	NM	NM	3	NM
Virginia	2,065	2,293	-9.9%	1,286	1,337	755	932	0	0	24	24
West Virginia	22	14	60.8%	4	9	18	4	0	0	NM	NM
East South Central	6,601	8,229	-19.8%	3,594	4,452	2,802	3,640	NM	NM	193	126
Alabama	3,692	4,510	-18.1%	1,106	1,163	2,524	3,271	0	0	63	77
Kentucky	78	145	-46.0%	53	107	7	22	0	0	18	NM
Mississippi	2,414	2,717	-11.1%	2,031	2,336	271	347	NM	NM	110	31
Tennessee	416	857	-51.5%	404	846	0	0	NM	NM	2	NM
West South Central	28,213	28,439	-0.8%	8,272	7,877	14,878	15,490	53	51	5,010	5,021
Arkansas	850	1,198	-29.0%	378	281	454	897	NM	NM	19	20
Louisiana	4,502	5,170	-12.9%	1,758	1,910	932	1,266	NM	NM	1,808	1,990
Oklahoma	2,870	3,338	-14.0%	1,955	2,296	904	1,030	NM	NM	NM	NM
Texas	19,991	18,733	6.7%	4,181	3,390	12,588	12,296	46	44	3,176	3,002
Mountain	8,397	8,327	0.8%	4,456	4,451	3,854	3,770	NM	18	69	89
Arizona	3,245	3,402	-4.6%	1,096	1,445	2,145	1,951	NM	NM	0	NM
Colorado	1,190	969	22.8%	580	400	607	567	1	0	NM	NM
Idaho	372	226	64.6%	209	44	159	181	0	0	4	NM
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	2,091	2,426	-13.8%	1,540	1,652	524	742	NM	NM	NM	28
New Mexico	853	709	20.3%	499	437	341	257	NM	6	NM	8
Utah	601	548	9.6%	514	462	73	71	NM	NM	NM	15
Wyoming	NM	37	NM	NM	NM	NM	NM	0	0	21	35
Pacific Contiguous	14,338	14,591	-1.7%	5,062	4,759	8,083	8,633	147	149	1,045	1,050
California	11,758	12,274	-4.2%	3,489	3,524	7,093	7,568	143	144	1,032	1,038
Oregon	1,283	1,508	-14.9%	474	593	798	903	NM	NM	NM	NM
Washington	1,296	808	60.3%	1,099	642	192	162	NM	NM	5	4
Pacific Noncontiguous	256	281	-9.0%	251	274	0	0	NM	NM	NM	NM
Alaska	256	281	-9.0%	251	274	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	101,199	108,206	-6.5%	43,431	44,686	50,240	55,995	495	480	7,032	7,045

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.10.B. Net Generation from Natural Gas
by State, by Sector, Year-to-Date through September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	40,880	48,682	-16.0%	229	312	38,203	45,822	523	527	1,924	2,021
Connecticut	12,009	12,028	-0.2%	NM	NM	11,639	11,615	153	159	199	222
Maine	3,711	4,909	-24.4%	0	0	2,145	3,293	NM	NM	1,565	1,616
Massachusetts	17,068	19,557	-12.7%	186	223	16,411	18,848	331	324	140	162
New Hampshire	3,130	5,650	-44.6%	24	55	3,087	5,574	0	0	NM	21
Rhode Island	4,960	6,535	-24.1%	0	0	4,921	6,492	39	43	0	0
Vermont	2	2	17.1%	2	2	0	0	0	0	0	0
Middle Atlantic	99,227	110,200	-10.0%	10,160	10,904	87,375	97,542	615	602	1,077	1,151
New Jersey	20,277	22,442	-9.6%	0	0	19,811	21,950	120	99	347	393
New York	41,590	46,464	-10.5%	10,155	10,896	30,812	34,933	443	442	180	193
Pennsylvania	37,360	41,294	-9.5%	NM	NM	36,753	40,660	52	61	550	565
East North Central	44,793	69,594	-35.6%	16,189	25,060	26,798	42,427	823	914	982	1,193
Illinois	5,785	10,211	-43.3%	591	1,519	4,584	8,034	285	299	326	359
Indiana	6,759	11,872	-43.1%	4,602	9,447	1,731	1,950	40	44	387	431
Michigan	10,218	19,671	-48.1%	2,167	4,215	7,622	14,943	305	326	123	188
Ohio	15,507	17,699	-12.4%	5,422	4,650	9,896	12,843	138	149	51	56
Wisconsin	6,524	10,141	-35.7%	3,407	5,229	2,965	4,658	56	95	96	160
West North Central	12,525	17,138	-26.9%	10,484	14,330	1,733	2,447	150	214	158	147
Iowa	1,182	1,700	-30.5%	1,166	1,679	NM	NM	NM	NM	NM	NM
Kansas	1,848	2,790	-33.8%	1,819	2,768	0	0	0	0	28	NM
Minnesota	4,926	5,951	-17.2%	3,972	4,823	788	947	89	117	77	65
Missouri	3,706	5,564	-33.4%	2,708	3,979	945	1,500	52	83	NM	NM
Nebraska	438	832	-47.3%	413	800	0	0	NM	NM	23	29
North Dakota	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
South Dakota	406	281	44.4%	406	281	0	0	0	0	0	0
South Atlantic	191,483	205,177	-6.7%	153,202	158,074	35,354	44,439	222	177	2,704	2,487
Delaware	4,648	5,585	-16.8%	NM	NM	3,996	5,153	0	0	634	410
District of Columbia	52	NM	NM	0	NM	0	0	52	0	0	0
Florida	104,494	116,266	-10.1%	96,305	105,375	7,075	9,747	NM	NM	1,081	1,110
Georgia	31,499	32,765	-3.9%	23,511	18,810	7,355	13,405	0	0	632	550
Maryland	2,126	4,260	-50.1%	0	0	1,942	3,997	133	137	51	126
North Carolina	21,046	15,586	35.0%	13,760	12,937	7,185	2,564	2	4	99	81
South Carolina	9,833	10,410	-5.5%	8,665	9,054	1,123	1,315	NM	NM	43	37
Virginia	17,531	20,039	-12.5%	10,905	11,785	6,469	8,089	0	0	157	165
West Virginia	253	202	24.9%	37	27	209	168	0	0	NM	NM
East South Central	64,678	84,087	-23.1%	34,980	42,990	27,663	39,819	101	106	1,934	1,172
Alabama	35,090	44,182	-20.6%	10,400	10,953	24,007	32,523	0	0	683	706
Kentucky	1,264	2,689	-53.0%	899	2,195	204	329	0	0	161	165
Mississippi	24,642	31,040	-20.6%	20,110	23,788	3,453	6,967	NM	NM	1,061	267
Tennessee	3,683	6,176	-40.4%	3,571	6,054	0	0	83	88	29	34
West South Central	230,991	266,154	-13.2%	61,525	73,945	122,302	145,760	447	451	46,718	45,998
Arkansas	10,144	14,307	-29.1%	1,872	2,488	8,084	11,663	NM	NM	187	155
Louisiana	38,212	46,066	-17.0%	14,629	18,320	6,654	10,064	NM	NM	16,896	17,646
Oklahoma	24,425	33,559	-27.2%	17,381	22,561	6,922	10,891	NM	NM	90	76
Texas	158,210	172,222	-8.1%	27,642	30,575	100,641	113,142	383	386	29,545	28,120
Mountain	62,965	68,182	-7.7%	36,605	39,822	25,439	27,333	150	158	771	869
Arizona	21,128	25,648	-17.6%	8,508	11,677	12,573	13,913	43	51	NM	NM
Colorado	8,541	8,899	-4.0%	4,562	4,901	3,961	3,980	6	4	NM	14
Idaho	2,427	1,490	62.9%	1,206	531	1,195	932	0	0	26	26
Montana	121	148	-18.2%	102	125	NM	NM	0	0	0	0
Nevada	18,917	19,542	-3.2%	14,198	14,183	4,473	5,094	44	45	203	220
New Mexico	6,927	6,945	-0.3%	4,157	3,997	2,658	2,829	55	57	57	62
Utah	4,519	5,089	-11.2%	3,837	4,360	549	547	NM	NM	131	181
Wyoming	385	421	-8.5%	NM	NM	NM	NM	0	0	338	359
Pacific Contiguous	103,782	102,636	1.1%	35,951	32,679	57,196	59,258	1,312	1,321	9,322	9,378
California	86,643	90,581	-4.3%	26,224	26,782	49,947	53,261	1,276	1,274	9,196	9,265
Oregon	9,849	8,146	20.9%	3,499	2,812	6,246	5,227	31	35	73	73
Washington	7,291	3,908	86.6%	6,228	3,085	1,004	770	NM	NM	54	41
Pacific Noncontiguous	2,645	2,907	-9.0%	2,595	2,853	0	0	NM	NM	47	51
Alaska	2,645	2,907	-9.0%	2,595	2,853	0	0	NM	NM	47	51
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	853,969	974,758	-12.4%	361,922	400,969	422,065	504,847	4,346	4,474	65,637	64,467

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	66	71	-6.4%	0	0	NM	NM	NM	NM	58	65
New Jersey	12	15	-20.9%	0	0	0	0	NM	NM	11	15
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	54	55	-2.4%	0	0	NM	NM	0	0	46	50
East North Central	280	276	1.5%	9	0	34	33	0	0	238	243
Illinois	24	31	-21.6%	0	0	0	0	0	0	24	31
Indiana	196	193	1.4%	0	0	0	0	0	0	196	193
Michigan	43	33	29.8%	9	0	34	33	0	0	0	0
Ohio	18	20	-8.9%	0	0	0	0	0	0	18	20
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	NM	NM	0	0	0	0	0	0	NM	NM
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	30	39	-24.7%	0	0	0	0	0	0	30	39
Delaware	27	20	37.0%	0	0	0	0	0	0	27	20
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	71.6%	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	17	-100.0%	0	0	0	0	0	0	0	17
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	2	3	-15.8%	0	0	0	0	0	0	2	3
East South Central	6	8	-20.1%	0	0	0	0	0	0	6	8
Alabama	5	6	-17.1%	0	0	0	0	0	0	5	6
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	2	-29.8%	0	0	0	0	0	0	1	2
West South Central	377	322	17.2%	0	0	195	148	0	0	182	174
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	171	103	66.6%	0	0	68	22	0	0	103	81
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	206	219	-5.9%	0	0	127	126	0	0	79	93
Mountain	7	23	-70.5%	0	0	1	1	0	0	6	23
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	133.3%	0	0	0	0	0	0	0	0
Nevada	1	1	-17.7%	0	0	1	1	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	0	0	0	0	NM	NM
Wyoming	4	20	-81.4%	0	0	0	0	0	0	4	20
Pacific Contiguous	172	147	17.0%	NM	NM	39	37	0	0	132	110
California	133	110	20.6%	NM	NM	0	0	0	0	132	110
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	39	37	6.2%	0	0	39	37	0	0	0	0
Pacific Noncontiguous	NM	NM	NM	0	0	0	0	0	0	NM	NM
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	NM	NM	NM	0	0	0	0	0	0	NM	NM
U.S. Total	945	893	5.7%	9	NM	277	224	NM	NM	658	668

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	659	621	6.1%	0	0	30	43	NM	NM	627	574
New Jersey	132	123	7.7%	0	0	0	0	NM	NM	130	119
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	527	498	5.7%	0	0	30	43	0	0	497	455
East North Central	2,375	2,460	-3.5%	41	0	265	285	0	0	2,069	2,176
Illinois	283	253	12.0%	0	0	17	5	0	0	266	248
Indiana	1,644	1,764	-6.8%	0	0	0	0	0	0	1,644	1,764
Michigan	289	249	16.3%	41	0	248	249	0	0	0	0
Ohio	159	195	-18.5%	0	0	0	31	0	0	159	164
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	37	33	12.1%	0	0	0	0	0	0	37	33
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	37	33	12.1%	0	0	0	0	0	0	37	33
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	143	410	-65.3%	0	0	0	0	0	0	143	410
Delaware	118	216	-45.2%	0	0	0	0	0	0	118	216
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3	5	-34.4%	0	0	0	0	0	0	3	5
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	166	-100.0%	0	0	0	0	0	0	0	166
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	21	23	-10.8%	0	0	0	0	0	0	21	23
East South Central	90	192	-53.0%	0	0	0	0	0	0	90	192
Alabama	80	181	-55.7%	0	0	0	0	0	0	80	181
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	10	11	-9.7%	0	0	0	0	0	0	10	11
West South Central	3,438	3,228	6.5%	0	0	1,535	1,455	0	0	1,903	1,773
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,581	891	77.4%	0	0	454	203	0	0	1,127	689
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	1,857	2,337	-20.5%	0	0	1,081	1,252	0	0	776	1,084
Mountain	231	238	-3.0%	0	0	5	5	0	0	226	232
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	20.3%	0	0	0	0	0	0	0	0
Nevada	5	5	-16.6%	0	0	5	5	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	22	22	-0.5%	0	0	0	0	0	0	22	22
Wyoming	204	210	-2.9%	0	0	0	0	0	0	204	210
Pacific Contiguous	1,403	1,565	-10.4%	NM	NM	296	308	0	0	1,099	1,249
California	1,107	1,257	-11.9%	NM	NM	0	0	0	0	1,099	1,249
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	296	308	-4.1%	0	0	296	308	0	0	0	0
Pacific Noncontiguous	25	27	-7.6%	0	0	0	0	0	0	25	27
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	23	25	-8.2%	0	0	0	0	0	0	23	25
U.S. Total	8,400	8,774	-4.3%	49	NM	2,130	2,097	NM	NM	6,219	6,666

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
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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, September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	3,120	2,753	13.3%	0	0	3,120	2,753	0	0	0	0
Connecticut	1,501	1,491	0.6%	0	0	1,501	1,491	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	328	486	-32.5%	0	0	328	486	0	0	0	0
New Hampshire	897	352	154.9%	0	0	897	352	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	394	425	-7.2%	0	0	394	425	0	0	0	0
Middle Atlantic	12,634	12,229	3.3%	0	0	12,634	12,229	0	0	0	0
New Jersey	2,930	2,929	0.0%	0	0	2,930	2,929	0	0	0	0
New York	3,762	3,414	10.2%	0	0	3,762	3,414	0	0	0	0
Pennsylvania	5,941	5,887	0.9%	0	0	5,941	5,887	0	0	0	0
East North Central	12,304	12,829	-4.1%	1,775	1,929	10,529	10,900	0	0	0	0
Illinois	7,673	7,557	1.5%	0	0	7,673	7,557	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,346	2,502	-6.2%	1,775	1,929	571	573	0	0	0	0
Ohio	1,430	1,530	-6.5%	0	0	1,430	1,530	0	0	0	0
Wisconsin	856	1,240	-31.0%	0	0	856	1,240	0	0	0	0
West North Central	3,123	3,816	-18.2%	2,693	3,421	430	396	0	0	0	0
Iowa	430	396	8.7%	0	0	430	396	0	0	0	0
Kansas	292	861	-66.1%	292	861	0	0	0	0	0	0
Minnesota	978	1,135	-13.8%	978	1,135	0	0	0	0	0	0
Missouri	872	874	-0.2%	872	874	0	0	0	0	0	0
Nebraska	551	550	0.1%	551	550	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	16,144	15,243	5.9%	15,004	14,012	1,140	1,231	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	2,557	1,239	106.5%	2,557	1,239	0	0	0	0	0	0
Georgia	2,773	2,505	10.7%	2,773	2,505	0	0	0	0	0	0
Maryland	1,140	1,231	-7.4%	0	0	1,140	1,231	0	0	0	0
North Carolina	3,656	2,925	25.0%	3,656	2,925	0	0	0	0	0	0
South Carolina	3,940	4,738	-16.8%	3,940	4,738	0	0	0	0	0	0
Virginia	2,077	2,605	-20.3%	2,077	2,605	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6,903	6,497	6.3%	6,903	6,497	0	0	0	0	0	0
Alabama	3,542	3,646	-2.8%	3,542	3,646	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	990	1,000	-1.0%	990	1,000	0	0	0	0	0	0
Tennessee	2,370	1,850	28.1%	2,370	1,850	0	0	0	0	0	0
West South Central	6,302	5,942	6.1%	2,815	2,324	3,487	3,618	0	0	0	0
Arkansas	1,296	890	45.6%	1,296	890	0	0	0	0	0	0
Louisiana	1,519	1,434	6.0%	1,519	1,434	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,487	3,618	-3.6%	0	0	3,487	3,618	0	0	0	0
Mountain	2,843	2,799	1.5%	2,843	2,799	0	0	0	0	0	0
Arizona	2,843	2,799	1.5%	2,843	2,799	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	2,427	2,403	1.0%	2,427	2,403	0	0	0	0	0	0
California	1,634	1,604	1.9%	1,634	1,604	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	793	799	-0.7%	793	799	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	65,799	64,511	2.0%	34,459	33,384	31,340	31,126	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.12.B. Net Generation from Nuclear Energy
by State, by Sector, Year-to-Date through September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	27,193	27,867	-2.4%	0	0	27,193	27,867	0	0	0	0
Connecticut	12,527	13,469	-7.0%	0	0	12,527	13,469	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	3,016	4,364	-30.9%	0	0	3,016	4,364	0	0	0	0
New Hampshire	8,172	6,367	28.3%	0	0	8,172	6,367	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	3,479	3,666	-5.1%	0	0	3,479	3,666	0	0	0	0
Middle Atlantic	117,814	113,568	3.7%	0	0	117,814	113,568	0	0	0	0
New Jersey	25,624	25,918	-1.1%	0	0	25,624	25,918	0	0	0	0
New York	33,170	30,803	7.7%	0	0	33,170	30,803	0	0	0	0
Pennsylvania	59,020	56,847	3.8%	0	0	59,020	56,847	0	0	0	0
East North Central	114,133	116,183	-1.8%	16,851	17,498	97,283	98,685	0	0	0	0
Illinois	72,668	72,034	0.9%	0	0	72,668	72,034	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	21,106	20,955	0.7%	16,851	17,498	4,255	3,457	0	0	0	0
Ohio	11,317	12,344	-8.3%	0	0	11,317	12,344	0	0	0	0
Wisconsin	9,043	10,849	-16.6%	0	0	9,043	10,849	0	0	0	0
West North Central	27,672	31,769	-12.9%	23,697	27,846	3,975	3,923	0	0	0	0
Iowa	3,975	3,923	1.3%	0	0	3,975	3,923	0	0	0	0
Kansas	4,807	5,618	-14.4%	4,807	5,618	0	0	0	0	0	0
Minnesota	8,217	9,203	-10.7%	8,217	9,203	0	0	0	0	0	0
Missouri	5,639	7,996	-29.5%	5,639	7,996	0	0	0	0	0	0
Nebraska	5,035	5,028	0.1%	5,035	5,028	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	148,884	139,155	7.0%	138,534	129,371	10,350	9,784	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	19,804	12,941	53.0%	19,804	12,941	0	0	0	0	0	0
Georgia	24,321	25,343	-4.0%	24,321	25,343	0	0	0	0	0	0
Maryland	10,350	9,784	5.8%	0	0	10,350	9,784	0	0	0	0
North Carolina	29,723	29,983	-0.9%	29,723	29,983	0	0	0	0	0	0
South Carolina	42,498	39,452	7.7%	42,498	39,452	0	0	0	0	0	0
Virginia	22,188	21,653	2.5%	22,188	21,653	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	60,579	55,959	8.3%	60,579	55,959	0	0	0	0	0	0
Alabama	30,259	30,909	-2.1%	30,259	30,909	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	8,264	4,551	81.6%	8,264	4,551	0	0	0	0	0	0
Tennessee	22,056	20,499	7.6%	22,056	20,499	0	0	0	0	0	0
West South Central	49,429	54,349	-9.1%	20,637	24,725	28,792	29,624	0	0	0	0
Arkansas	8,414	11,633	-27.7%	8,414	11,633	0	0	0	0	0	0
Louisiana	12,222	13,091	-6.6%	12,222	13,091	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	28,792	29,624	-2.8%	0	0	28,792	29,624	0	0	0	0
Mountain	24,823	24,666	0.6%	24,823	24,666	0	0	0	0	0	0
Arizona	24,823	24,666	0.6%	24,823	24,666	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	19,029	20,776	-8.4%	19,029	20,776	0	0	0	0	0	0
California	13,057	13,922	-6.2%	13,057	13,922	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	5,972	6,855	-12.9%	5,972	6,855	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	589,556	584,292	0.9%	304,150	300,840	285,406	283,452	0	0	0	0

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

Table 1.13.A. Net Generation from Hydroelectric (Conventional) Power by State, by Sector, September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	577	456	26.7%	78	56	459	355	NM	NM	39	45
Connecticut	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Maine	275	237	15.8%	0	0	239	195	0	0	36	43
Massachusetts	77	50	52.2%	NM	NM	54	35	NM	NM	NM	NM
New Hampshire	87	62	41.9%	21	14	66	47	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	98	75	30.4%	NM	NM	65	51	0	0	NM	NM
Middle Atlantic	2,059	1,791	15.0%	1,628	1,452	425	335	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	1,925	1,687	14.1%	1,591	1,420	328	263	NM	NM	NM	NM
Pennsylvania	131	102	29.1%	37	32	94	70	0	0	0	0
East North Central	260	273	-4.7%	236	251	NM	NM	NM	NM	NM	NM
Illinois	NM	NM	NM	NM	NM	NM	NM	NM	0	0	0
Indiana	42	41	3.0%	42	41	0	0	0	0	0	0
Michigan	65	77	-14.9%	59	70	NM	NM	0	0	NM	NM
Ohio	43	31	37.9%	43	31	0	0	0	0	0	0
Wisconsin	101	120	-15.8%	89	107	NM	NM	NM	NM	NM	NM
West North Central	852	1,034	-17.6%	837	1,016	NM	NM	0	0	NM	NM
Iowa	44	50	-12.2%	43	49	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	NM	NM	NM	NM	NM	NM	NM	0	0	NM	NM
Missouri	32	19	69.5%	32	19	0	0	0	0	0	0
Nebraska	78	90	-13.5%	78	90	0	0	0	0	0	0
North Dakota	146	194	-24.7%	146	194	0	0	0	0	0	0
South Dakota	527	638	-17.3%	527	638	0	0	0	0	0	0
South Atlantic	988	723	36.6%	780	616	106	82	NM	NM	101	25
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	NM	NM	NM	NM	NM	0	0	0	0	0	0
Georgia	211	171	23.4%	208	169	NM	NM	0	0	NM	NM
Maryland	55	52	5.3%	0	0	55	52	0	0	0	0
North Carolina	362	252	43.8%	297	250	NM	NM	NM	NM	61	NM
South Carolina	166	98	69.7%	163	96	NM	NM	0	0	0	0
Virginia	72	71	1.2%	66	67	NM	NM	0	0	NM	NM
West Virginia	110	70	56.1%	NM	NM	40	22	0	0	38	23
East South Central	1,613	1,189	35.6%	1,545	1,189	NM	NM	0	0	67	0
Alabama	608	447	36.0%	608	447	0	0	0	0	0	0
Kentucky	205	168	21.5%	204	168	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	800	574	39.4%	733	574	0	0	0	0	67	0
West South Central	493	168	193.7%	448	147	45	21	0	0	0	0
Arkansas	249	84	194.4%	245	82	NM	NM	0	0	0	0
Louisiana	39	16	137.0%	0	0	39	16	0	0	0	0
Oklahoma	160	42	280.8%	160	42	0	0	0	0	0	0
Texas	46	25	82.7%	43	23	NM	NM	0	0	0	0
Mountain	1,902	2,168	-12.3%	1,681	1,904	221	264	0	0	0	0
Arizona	415	416	-0.2%	415	416	0	0	0	0	0	0
Colorado	88	147	-40.1%	79	137	NM	NM	0	0	0	0
Idaho	608	714	-14.9%	571	644	36	69	0	0	0	0
Montana	493	552	-10.7%	321	371	171	181	0	0	0	0
Nevada	182	185	-1.5%	179	182	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	59	68	-13.7%	58	67	NM	NM	0	0	0	0
Wyoming	48	75	-36.7%	47	75	NM	NM	0	0	0	0
Pacific Contiguous	8,041	9,656	-16.7%	7,918	9,503	122	152	NM	NM	NM	NM
California	1,754	2,361	-25.7%	1,657	2,237	96	123	NM	NM	0	0
Oregon	2,091	2,389	-12.5%	2,075	2,372	NM	NM	0	0	0	0
Washington	4,196	4,907	-14.5%	4,186	4,895	NM	NM	0	0	NM	NM
Pacific Noncontiguous	84	104	-19.5%	81	100	0	1	0	0	NM	NM
Alaska	80	99	-19.2%	80	99	0	0	0	0	0	0
Hawaii	NM	NM	NM	NM	NM	0	1	0	0	NM	NM
U.S. Total	16,868	17,562	-4.0%	15,233	16,234	1,404	1,233	NM	NM	228	92

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.13.B. Net Generation from Hydroelectric (Conventional) Power by State, by Sector, Year-to-Date through September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	6,633	5,640	17.6%	966	751	5,228	4,362	NM	NM	433	523
Connecticut	437	362	20.7%	NM	NM	397	328	0	0	0	0
Maine	3,011	2,646	13.8%	0	0	2,606	2,146	0	0	405	500
Massachusetts	912	737	23.7%	250	178	651	552	NM	NM	NM	NM
New Hampshire	1,154	977	18.0%	303	244	847	730	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	1,114	913	22.0%	373	296	721	602	0	0	NM	NM
Middle Atlantic	20,995	21,038	-0.2%	15,854	16,811	5,080	4,176	NM	NM	57	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	18,898	19,274	-1.9%	14,964	16,033	3,873	3,189	NM	NM	57	NM
Pennsylvania	2,068	1,743	18.6%	890	777	1,178	965	0	0	0	0
East North Central	3,033	3,358	-9.7%	2,719	3,035	188	182	NM	NM	115	130
Illinois	101	79	28.0%	NM	NM	61	48	NM	0	0	0
Indiana	339	338	0.6%	339	338	0	0	0	0	0	0
Michigan	876	1,049	-16.5%	784	956	73	72	0	0	NM	NM
Ohio	373	280	33.2%	373	280	0	0	0	0	0	0
Wisconsin	1,345	1,613	-16.6%	1,185	1,430	NM	62	NM	NM	96	110
West North Central	7,736	9,758	-20.7%	7,525	9,512	148	160	0	0	62	86
Iowa	576	641	-10.3%	570	635	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	405	595	-32.0%	215	364	127	144	0	0	62	86
Missouri	1,061	664	59.7%	1,061	664	0	0	0	0	0	0
Nebraska	1,032	1,193	-13.5%	1,032	1,193	0	0	0	0	0	0
North Dakota	1,523	1,953	-22.0%	1,523	1,953	0	0	0	0	0	0
South Dakota	3,125	4,702	-33.5%	3,124	4,702	NM	0	0	0	0	0
South Atlantic	13,341	8,775	52.0%	10,434	6,660	1,702	1,644	NM	NM	1,192	464
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	153	118	29.4%	153	118	0	0	0	0	0	0
Georgia	2,658	1,766	50.6%	2,633	1,746	NM	NM	0	0	NM	NM
Maryland	1,176	1,248	-5.8%	0	0	1,176	1,248	0	0	0	0
North Carolina	4,903	2,694	82.0%	4,226	2,669	NM	NM	12	NM	633	NM
South Carolina	2,106	1,090	93.2%	2,062	1,061	NM	NM	NM	NM	0	0
Virginia	1,073	822	30.5%	1,007	771	56	NM	0	0	NM	NM
West Virginia	1,272	1,037	22.7%	353	293	387	303	0	0	532	441
East South Central	21,126	13,101	61.3%	20,363	13,095	NM	NM	0	0	756	0
Alabama	9,715	5,395	80.1%	9,715	5,395	0	0	0	0	0	0
Kentucky	2,623	1,779	47.5%	2,616	1,773	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	8,788	5,927	48.3%	8,032	5,927	0	0	0	0	756	0
West South Central	5,532	3,957	39.8%	4,561	3,298	971	660	0	0	0	0
Arkansas	2,119	1,923	10.2%	2,082	1,894	NM	NM	0	0	0	0
Louisiana	902	605	49.0%	0	0	902	605	0	0	0	0
Oklahoma	1,735	1,016	70.8%	1,735	1,016	0	0	0	0	0	0
Texas	776	413	87.8%	745	388	NM	NM	0	0	0	0
Mountain	25,836	29,492	-12.4%	22,484	25,709	3,353	3,783	0	0	0	0
Arizona	4,781	5,420	-11.8%	4,781	5,420	0	0	0	0	0	0
Colorado	1,338	1,621	-17.4%	1,223	1,479	115	142	0	0	0	0
Idaho	8,115	9,699	-16.3%	7,552	8,907	563	792	0	0	0	0
Montana	7,887	8,852	-10.9%	5,267	6,053	2,620	2,799	0	0	0	0
Nevada	2,172	2,016	7.7%	2,132	1,983	NM	NM	0	0	0	0
New Mexico	128	165	-22.4%	128	165	0	0	0	0	0	0
Utah	777	903	-13.9%	769	894	NM	NM	0	0	0	0
Wyoming	638	816	-21.8%	632	809	NM	NM	0	0	0	0
Pacific Contiguous	107,322	121,992	-12.0%	105,912	120,482	1,400	1,503	NM	NM	NM	NM
California	20,397	20,751	-1.7%	19,352	19,655	1,037	1,091	NM	NM	0	0
Oregon	25,761	30,845	-16.5%	25,569	30,626	192	219	0	0	0	0
Washington	61,163	70,396	-13.1%	60,991	70,201	170	192	0	0	NM	NM
Pacific Noncontiguous	992	1,133	-12.4%	945	1,075	13	23	0	0	NM	NM
Alaska	932	1,060	-12.1%	932	1,060	0	0	0	0	0	0
Hawaii	60	73	-17.5%	NM	NM	13	23	0	0	NM	NM
U.S. Total	212,547	218,246	-2.6%	191,764	200,428	18,090	16,498	NM	NM	2,651	1,289

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.14.A. Net Generation from Other Renewable Sources by State, by Sector, September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	788	738	6.8%	71	51	511	482	11	10	195	195
Connecticut	52	55	-5.7%	0	0	52	55	0	0	0	0
Maine	380	418	-9.2%	0	0	217	215	9	9	154	195
Massachusetts	162	106	53.7%	NM	NM	115	100	NM	NM	41	0
New Hampshire	125	112	11.3%	30	31	95	81	0	0	0	0
Rhode Island	11	10	1.4%	0	0	11	10	0	0	0	0
Vermont	58	36	60.8%	37	15	21	21	NM	NM	0	0
Middle Atlantic	881	815	8.1%	NM	NM	764	704	54	45	59	61
New Jersey	129	112	14.7%	NM	NM	102	83	22	24	NM	NM
New York	400	369	8.3%	0	0	356	340	22	10	22	19
Pennsylvania	352	333	5.7%	0	0	305	280	10	11	37	42
East North Central	1,454	1,308	11.1%	159	124	1,136	1,029	19	20	139	136
Illinois	567	505	12.2%	NM	NM	566	504	NM	0	0	0
Indiana	184	190	-3.0%	24	25	157	162	NM	2	NM	2
Michigan	355	260	36.2%	55	16	230	178	16	17	54	49
Ohio	113	113	0.2%	NM	NM	80	80	NM	0	30	32
Wisconsin	235	240	-2.0%	77	81	104	105	NM	NM	53	53
West North Central	3,687	2,577	43.1%	1,093	827	2,536	1,692	NM	6	53	52
Iowa	1,202	885	35.9%	647	464	550	417	NM	3	3	1
Kansas	867	326	166.2%	89	48	778	278	0	0	0	0
Minnesota	752	627	19.9%	160	148	540	426	NM	NM	49	50
Missouri	83	69	19.1%	NM	3	81	66	0	0	NM	NM
Nebraska	154	84	82.7%	22	19	131	65	NM	NM	0	0
North Dakota	427	388	10.2%	136	97	291	291	0	0	0	NM
South Dakota	202	198	2.0%	38	48	164	150	0	0	0	0
South Atlantic	1,430	1,344	6.4%	140	94	508	454	37	30	745	765
Delaware	12	11	6.1%	NM	NM	11	11	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	373	371	0.5%	23	19	175	184	NM	3	172	165
Georgia	312	276	13.2%	0	0	46	14	NM	NM	263	260
Maryland	66	59	12.9%	NM	NM	54	48	NM	6	6	5
North Carolina	232	194	19.9%	0	NM	123	84	NM	0	104	109
South Carolina	129	164	-21.5%	35	41	NM	NM	0	0	92	122
Virginia	253	203	24.3%	79	33	46	47	21	18	106	105
West Virginia	52	65	-20.4%	0	0	52	65	0	0	0	0
East South Central	501	515	-2.6%	8	8	24	23	NM	0	469	484
Alabama	278	284	-2.1%	NM	NM	17	18	0	0	261	267
Kentucky	9	20	-57.6%	8	8	0	0	0	0	NM	12
Mississippi	127	119	6.7%	0	0	0	0	0	0	127	119
Tennessee	88	91	-4.1%	0	0	7	5	NM	0	80	86
West South Central	3,332	3,141	6.1%	150	121	2,722	2,620	NM	4	457	397
Arkansas	133	133	0.4%	0	0	6	7	NM	NM	127	126
Louisiana	225	166	35.7%	0	0	6	6	0	0	219	159
Oklahoma	805	541	48.8%	126	100	654	416	0	0	24	25
Texas	2,170	2,302	-5.7%	24	21	2,056	2,191	NM	3	87	87
Mountain	2,008	1,392	44.3%	205	133	1,770	1,218	7	6	25	34
Arizona	242	133	81.4%	23	15	217	117	NM	NM	0	0
Colorado	581	353	64.6%	4	4	575	347	NM	NM	NM	NM
Idaho	239	149	60.2%	12	7	202	108	0	0	25	34
Montana	87	37	135.7%	6	6	81	31	0	0	0	0
Nevada	308	295	4.4%	0	0	306	292	3	3	0	NM
New Mexico	178	165	8.1%	NM	0	173	165	NM	NM	0	0
Utah	87	66	32.2%	22	21	65	45	0	0	0	0
Wyoming	285	193	47.7%	133	81	152	112	0	0	0	0
Pacific Contiguous	4,721	3,383	39.6%	669	435	3,756	2,663	102	96	195	188
California	3,262	2,464	32.4%	223	158	2,880	2,150	99	94	60	61
Oregon	727	459	58.3%	126	92	563	335	NM	2	36	30
Washington	732	459	59.3%	321	185	313	179	0	0	99	96
Pacific Noncontiguous	109	79	37.6%	11	6	73	49	16	14	9	9
Alaska	10	NM	NM	NM	NM	NM	0	0	0	NM	NM
Hawaii	99	78	27.0%	5	6	70	49	16	14	9	9
U.S. Total	18,911	15,291	23.7%	2,511	1,806	13,800	10,933	256	231	2,345	2,321

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

Table 1.14.B. Net Generation from Other Renewable Sources by State, by Sector, Year-to-Date through September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	6,985	6,465	8.0%	630	470	4,620	4,369	99	92	1,637	1,534
Connecticut	499	525	-4.9%	0	0	499	525	0	0	0	0
Maine	3,259	3,479	-6.3%	0	0	1,945	1,864	84	80	1,229	1,534
Massachusetts	1,490	979	52.2%	47	54	1,022	914	13	11	408	0
New Hampshire	1,108	1,021	8.5%	266	248	842	773	0	0	NM	NM
Rhode Island	96	97	-0.9%	0	0	96	97	0	0	0	0
Vermont	532	364	46.2%	317	168	214	195	NM	NM	0	0
Middle Atlantic	9,277	8,101	14.5%	40	44	8,255	7,103	452	401	529	554
New Jersey	1,051	987	6.5%	40	44	833	729	176	212	NM	NM
New York	4,090	3,778	8.3%	0	0	3,724	3,500	182	92	185	186
Pennsylvania	4,136	3,337	23.9%	0	0	3,698	2,874	94	97	343	366
East North Central	16,899	14,644	15.4%	1,745	1,333	13,768	11,877	154	176	1,232	1,258
Illinois	7,211	5,967	20.8%	11	11	7,200	5,956	NM	NM	0	0
Indiana	2,612	2,507	4.2%	221	229	2,358	2,246	18	17	15	15
Michigan	3,406	2,556	33.3%	620	203	2,198	1,732	124	149	464	471
Ohio	1,288	1,230	4.7%	21	13	998	929	NM	0	264	289
Wisconsin	2,383	2,384	0.0%	871	877	1,014	1,015	NM	10	489	482
West North Central	33,185	28,126	18.0%	10,300	8,971	22,443	18,711	57	60	385	385
Iowa	11,271	9,987	12.9%	6,194	5,216	5,040	4,735	26	26	12	10
Kansas	6,911	3,423	101.9%	669	710	6,243	2,712	0	0	0	0
Minnesota	6,990	6,709	4.2%	1,572	1,392	5,027	4,927	21	24	370	366
Missouri	896	951	-5.7%	24	26	871	922	0	0	NM	3
Nebraska	1,286	953	35.0%	195	187	1,082	756	NM	10	0	0
North Dakota	3,903	3,960	-1.4%	1,215	937	2,687	3,017	0	0	NM	6
South Dakota	1,926	2,144	-10.2%	432	502	1,494	1,642	0	0	0	0
South Atlantic	13,190	12,774	3.3%	959	850	5,038	4,726	312	256	6,880	6,942
Delaware	97	116	-16.7%	NM	NM	90	110	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,495	3,538	-1.2%	212	191	1,657	1,783	29	29	1,596	1,535
Georgia	2,636	2,489	5.9%	0	0	307	121	24	21	2,305	2,347
Maryland	694	640	8.4%	NM	NM	554	489	40	50	93	99
North Carolina	1,992	1,784	11.6%	NM	NM	970	799	37	0	986	985
South Carolina	1,415	1,584	-10.7%	340	378	16	16	0	0	1,059	1,190
Virginia	1,842	1,669	10.4%	398	276	425	454	179	152	841	787
West Virginia	1,019	954	6.8%	0	0	1,019	954	0	0	0	0
East South Central	4,455	4,546	-2.0%	73	75	214	198	NM	0	4,167	4,273
Alabama	2,376	2,450	-3.0%	NM	NM	148	149	0	0	2,227	2,301
Kentucky	214	241	-11.1%	71	74	0	0	0	0	142	167
Mississippi	1,094	1,072	2.0%	0	0	0	0	0	0	1,093	1,072
Tennessee	771	783	-1.5%	0	0	66	49	NM	0	704	734
West South Central	39,701	33,439	18.7%	1,450	1,367	34,185	28,299	32	32	4,034	3,741
Arkansas	1,253	1,248	0.4%	0	0	55	65	NM	4	1,194	1,180
Louisiana	1,910	1,640	16.4%	0	0	55	57	0	0	1,854	1,583
Oklahoma	8,113	5,818	39.4%	1,204	1,130	6,691	4,467	0	0	218	221
Texas	28,426	24,733	14.9%	246	237	27,384	23,710	29	28	767	757
Mountain	19,133	16,371	16.9%	1,976	1,768	16,809	14,243	57	56	291	303
Arizona	1,815	981	85.0%	177	128	1,630	846	NM	NM	0	0
Colorado	5,451	4,681	16.5%	52	49	5,377	4,611	18	18	NM	NM
Idaho	2,296	1,698	35.2%	97	7	1,912	1,391	0	0	287	300
Montana	1,087	877	23.9%	65	69	1,022	808	0	0	0	0
Nevada	2,868	2,379	20.5%	0	0	2,840	2,350	27	29	NM	NM
New Mexico	1,931	1,886	2.4%	28	0	1,900	1,884	NM	NM	0	0
Utah	696	831	-16.2%	178	197	519	634	0	0	0	0
Wyoming	2,989	3,037	-1.6%	1,378	1,318	1,610	1,719	0	0	0	0
Pacific Contiguous	42,337	35,416	19.5%	5,900	5,412	33,771	27,530	891	844	1,775	1,630
California	28,799	23,774	21.1%	1,835	1,492	25,553	20,924	871	825	540	533
Oregon	6,827	5,399	26.5%	1,221	1,177	5,259	3,966	20	19	328	237
Washington	6,711	6,243	7.5%	2,845	2,743	2,959	2,640	0	0	907	860
Pacific Noncontiguous	904	704	28.5%	52	30	639	474	133	113	81	86
Alaska	82	13	524.2%	32	11	48	0	0	0	NM	NM
Hawaii	822	691	19.0%	19	19	591	474	133	113	79	84
U.S. Total	186,065	160,587	15.9%	23,124	20,319	139,742	117,531	2,188	2,030	21,011	20,707

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	-34	-34	-0.8%	0	0	-34	-34	0	0	0	0
Connecticut	0	0	4.5%	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-34	-34	-0.8%	0	0	-34	-34	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	-93	-55	71.4%	-35	-26	-58	-28	0	0	0	0
New Jersey	-20	-19	2.2%	-20	-19	0	0	0	0	0	0
New York	-16	-7	121.3%	-16	-7	0	0	0	0	0	0
Pennsylvania	-58	-28	106.8%	0	0	-58	-28	0	0	0	0
East North Central	-69	-65	5.8%	-69	-65	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	-69	-65	5.8%	-69	-65	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	-2	-12	-86.7%	-2	-12	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	-2	-12	-86.7%	-2	-12	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	-236	-348	-32.2%	-236	-348	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	-33	-105	-68.4%	-33	-105	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	-95	-99	-3.9%	-95	-99	0	0	0	0	0	0
Virginia	-108	-145	-25.6%	-108	-145	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-1	0	--	-1	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	-1	0	--	-1	0	0	0	0	0	0	0
West South Central	-6	-9	-35.5%	-6	-9	0	0	0	0	0	0
Arkansas	2	2	5.7%	2	2	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-8	-10	-28.0%	-8	-10	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-20	-8	162.1%	-20	-8	0	0	0	0	0	0
Arizona	2	3	-22.6%	2	3	0	0	0	0	0	0
Colorado	-22	-11	109.2%	-22	-11	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	71	129	-45.2%	71	129	0	0	0	0	0	0
California	71	129	-45.0%	71	129	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	178.0%	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	-389	-401	-2.8%	-297	-338	-92	-62	0	0	0	0

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
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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 September 2013 and 2012 (Thousand Megawatthours)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	-195	-238	-17.9%	0	0	-195	-238	0	0	0	0
Connecticut	-2	1	-315.0%	0	0	-2	1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-193	-239	-19.3%	0	0	-193	-239	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	-688	-524	31.3%	-285	-200	-403	-324	0	0	0	0
New Jersey	-156	-122	27.8%	-156	-122	0	0	0	0	0	0
New York	-129	-78	65.9%	-129	-78	0	0	0	0	0	0
Pennsylvania	-403	-324	24.3%	0	0	-403	-324	0	0	0	0
East North Central	-676	-596	13.4%	-676	-596	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	-676	-596	13.4%	-676	-596	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	288	53	445.1%	288	53	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	288	53	445.1%	288	53	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-1,859	-2,484	-25.1%	-1,859	-2,484	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	-276	-681	-59.5%	-276	-681	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	-616	-702	-12.1%	-616	-702	0	0	0	0	0	0
Virginia	-967	-1,101	-12.2%	-967	-1,101	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-24	-144	-83.1%	-24	-144	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	-24	-144	-83.1%	-24	-144	0	0	0	0	0	0
West South Central	-41	-44	-5.2%	-41	-44	0	0	0	0	0	0
Arkansas	30	39	-21.4%	30	39	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-72	-82	-12.8%	-72	-82	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-117	-124	-6.4%	-117	-124	0	0	0	0	0	0
Arizona	48	68	-29.2%	48	68	0	0	0	0	0	0
Colorado	-165	-193	-14.5%	-165	-193	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	199	733	-72.8%	199	733	0	0	0	0	0	0
California	194	695	-72.1%	194	695	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	5	38	-85.6%	5	38	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-3,113	-3,368	-7.6%	-2,515	-2,806	-598	-562	0	0	0	0

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.16.A. Net Generation from Other Energy Sources by State, by Sector, September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	167	165	1.0%	0	0	157	154	8	8	2	3
Connecticut	59	56	6.1%	0	0	59	56	0	0	NM	NM
Maine	27	31	-11.6%	0	0	19	19	8	8	0	3
Massachusetts	75	73	2.5%	0	0	73	73	0	0	2	0
New Hampshire	6	6	-1.5%	0	0	6	6	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	196	206	-5.1%	0	0	155	175	41	31	0	0
New Jersey	46	47	-2.2%	0	0	33	34	13	13	0	0
New York	78	84	-7.9%	0	0	58	75	20	9	0	0
Pennsylvania	72	75	-3.6%	0	0	64	66	9	9	0	0
East North Central	95	95	0.3%	7	19	10	13	16	17	63	46
Illinois	22	20	8.8%	0	0	0	0	0	0	22	20
Indiana	42	35	19.5%	5	10	0	0	NM	NM	35	23
Michigan	27	34	-20.6%	0	5	10	13	15	15	2	0
Ohio	0	1	-60.5%	0	0	0	0	0	0	0	1
Wisconsin	4	5	-16.1%	1	3	0	0	NM	0	NM	NM
West North Central	37	33	12.9%	19	18	13	9	NM	NM	NM	NM
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	33	28	18.1%	15	13	13	9	NM	NM	NM	NM
Missouri	1	1	-42.9%	1	1	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	3	4	-5.7%	3	4	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	334	333	0.4%	0	0	170	172	18	17	146	143
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	248	248	0.0%	0	0	114	118	0	0	134	130
Georgia	9	1	963.2%	0	0	0	0	0	0	9	1
Maryland	25	25	1.0%	0	0	25	25	NM	NM	0	0
North Carolina	10	10	7.1%	0	0	10	10	0	0	0	0
South Carolina	3	12	-78.2%	0	0	0	0	0	0	3	12
Virginia	39	37	4.8%	0	0	21	20	18	17	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	1	2	-22.8%	0	1	0	0	0	0	1	NM
Alabama	1	0	--	0	0	0	0	0	0	1	0
Kentucky	0	1	-87.9%	0	1	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	0	0	55.0%	0	0	0	0	0	0	0	0
West South Central	78	66	18.3%	0	0	0	0	0	0	78	66
Arkansas	2	1	28.6%	0	0	0	0	0	0	2	1
Louisiana	38	30	25.2%	0	0	0	0	0	0	38	30
Oklahoma	NM	NM	NM	0	0	0	0	0	0	NM	NM
Texas	37	34	11.0%	0	0	0	0	0	0	37	34
Mountain	54	54	0.5%	3	3	30	33	0	0	20	17
Arizona	0	2	-100.0%	0	0	0	2	0	0	0	0
Colorado	5	5	-2.4%	0	0	NM	2	0	0	NM	4
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	29	29	-2.0%	0	0	29	29	0	0	0	0
Nevada	3	3	-3.7%	3	3	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	17	13	25.5%	0	0	NM	NM	0	0	16	13
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	76	75	2.2%	0	0	29	30	0	0	47	45
California	62	60	3.6%	0	0	19	20	0	0	43	41
Oregon	4	4	-1.9%	0	0	4	4	0	0	0	0
Washington	10	11	-4.6%	0	0	6	6	0	0	4	4
Pacific Noncontiguous	18	14	31.4%	0	0	3	0	15	14	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	18	14	31.4%	0	0	3	0	15	14	0	0
U.S. Total	1,057	1,042	1.5%	29	42	566	587	102	89	361	324

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NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.16.B. Net Generation from Other Energy Sources
by State, by Sector, Year-to-Date through September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	1,510	1,597	-5.5%	0	0	1,424	1,503	68	70	18	24
Connecticut	565	582	-2.9%	0	0	565	582	0	0	NM	NM
Maine	219	293	-25.2%	0	0	151	199	68	70	0	24
Massachusetts	674	670	0.7%	0	0	657	670	0	0	18	0
New Hampshire	51	52	-2.1%	0	0	51	52	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	1,727	1,800	-4.1%	0	0	1,385	1,527	341	274	0	0
New Jersey	396	413	-4.0%	0	0	288	302	109	111	0	0
New York	669	695	-3.8%	0	0	515	615	154	81	0	0
Pennsylvania	662	692	-4.4%	0	0	583	610	79	82	0	0
East North Central	838	803	4.4%	107	106	132	122	122	149	477	426
Illinois	185	179	3.0%	0	0	0	0	0	0	185	179
Indiana	333	274	21.6%	75	57	0	0	14	14	244	203
Michigan	263	295	-10.9%	7	20	132	122	108	135	16	19
Ohio	7	9	-16.7%	0	0	0	0	0	0	7	9
Wisconsin	49	45	9.1%	25	29	0	0	NM	NM	24	17
West North Central	338	301	12.4%	172	169	118	85	20	18	27	29
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	296	253	17.1%	130	121	118	85	20	18	27	29
Missouri	10	16	-33.5%	10	16	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	31	32	-2.2%	31	32	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	2,999	3,011	-0.4%	0	0	1,603	1,652	154	142	1,242	1,216
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	2,224	2,260	-1.6%	0	0	1,090	1,136	0	0	1,133	1,124
Georgia	57	33	73.1%	0	0	0	0	0	0	57	33
Maryland	232	219	6.1%	0	0	232	218	NM	NM	0	0
North Carolina	87	83	4.8%	0	0	87	83	0	0	0	0
South Carolina	51	58	-12.6%	0	0	0	0	0	0	51	58
Virginia	347	357	-2.7%	0	0	194	215	153	142	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	13	8	58.1%	7	6	0	0	0	0	6	NM
Alabama	3	0	NM	0	0	0	0	0	0	3	0
Kentucky	7	6	25.6%	7	6	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	0	0	6.7%	0	0	0	0	0	0	0	0
West South Central	635	556	14.3%	0	0	0	0	0	0	635	556
Arkansas	17	23	-23.7%	0	0	0	0	0	0	17	23
Louisiana	302	238	27.0%	0	0	0	0	0	0	302	238
Oklahoma	8	5	52.4%	0	0	0	0	0	0	8	5
Texas	308	290	6.2%	0	0	0	0	0	0	308	290
Mountain	450	396	13.8%	31	32	272	249	0	0	148	115
Arizona	3	22	-85.0%	0	0	3	22	0	0	0	0
Colorado	46	48	-4.4%	0	0	13	14	0	0	32	34
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	252	209	20.2%	0	0	252	209	0	0	0	0
Nevada	31	32	-3.5%	31	32	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	119	84	41.0%	0	0	NM	3	0	0	116	81
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	629	678	-7.2%	0	0	262	258	0	0	367	420
California	492	527	-6.6%	0	0	170	163	0	0	322	364
Oregon	34	34	-2.3%	0	0	34	34	0	0	0	0
Washington	103	117	-11.7%	0	0	58	60	0	0	45	57
Pacific Noncontiguous	136	109	25.4%	0	0	9	0	128	109	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	136	109	25.4%	0	0	9	0	128	109	0	0
U.S. Total	9,275	9,258	0.2%	318	313	5,205	5,395	833	762	2,920	2,788

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

Table 1.17.A. Net Generation from Wind
by State, by Sector, September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	135	89	51.5%	17	NM	117	84	NM	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	74	60	23.1%	0	0	74	60	0	0	0	0
Massachusetts	12	NM	NM	NM	NM	7	NM	NM	NM	0	0
New Hampshire	30	17	73.8%	0	0	30	17	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	18	7	179.4%	13	1	5	6	0	0	0	0
Middle Atlantic	369	314	17.5%	0	0	368	313	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	206	187	10.4%	0	0	205	186	0	0	NM	NM
Pennsylvania	162	126	28.0%	0	0	162	126	0	0	0	0
East North Central	979	827	18.3%	117	78	861	748	NM	NM	NM	NM
Illinois	511	446	14.6%	NM	NM	510	445	0	0	0	0
Indiana	156	162	-3.6%	0	0	156	162	NM	NM	0	0
Michigan	158	65	143.8%	55	16	103	49	0	0	0	0
Ohio	55	52	6.7%	NM	NM	52	50	0	0	NM	NM
Wisconsin	99	103	-3.9%	59	61	40	43	0	0	0	0
West North Central	3,507	2,402	46.0%	1,052	792	2,454	1,609	NM	NM	0	0
Iowa	1,188	872	36.2%	644	462	543	410	NM	NM	0	0
Kansas	863	321	168.7%	89	48	773	273	0	0	0	0
Minnesota	600	481	24.6%	126	123	472	357	NM	NM	0	0
Missouri	79	64	23.6%	0	0	79	64	0	0	0	0
Nebraska	149	79	88.5%	17	14	131	65	0	0	0	0
North Dakota	427	387	10.3%	136	97	291	291	0	0	0	0
South Dakota	202	198	2.0%	38	48	164	150	0	0	0	0
South Atlantic	64	81	-21.1%	0	0	63	81	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	12	16	-24.6%	0	0	12	16	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	52	65	-20.4%	0	0	52	65	0	0	0	0
East South Central	2	3	-41.5%	0	0	2	3	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	2	3	-41.5%	0	0	2	3	0	0	0	0
West South Central	2,803	2,669	5.0%	150	121	2,653	2,548	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	781	516	51.3%	126	100	654	416	0	0	0	0
Texas	2,023	2,154	-6.1%	24	21	1,999	2,133	0	0	0	0
Mountain	1,383	851	62.6%	156	98	1,225	752	NM	NM	NM	NM
Arizona	30	13	137.1%	0	0	30	13	0	0	0	0
Colorado	561	331	69.4%	4	4	556	326	NM	NM	NM	NM
Idaho	205	100	105.3%	12	7	193	93	0	0	0	0
Montana	87	37	135.7%	6	6	81	31	0	0	0	0
Nevada	20	12	74.5%	0	0	20	12	0	0	0	0
New Mexico	139	131	6.2%	0	0	139	131	NM	NM	0	0
Utah	55	34	61.0%	0	0	55	34	0	0	0	0
Wyoming	285	193	47.7%	133	81	152	112	0	0	0	0
Pacific Contiguous	2,425	1,417	71.1%	492	278	1,933	1,139	NM	0	NM	0
California	1,193	694	72.0%	91	38	1,102	656	NM	0	NM	0
Oregon	645	398	62.0%	119	86	526	312	0	0	0	0
Washington	587	325	80.5%	282	154	305	171	0	0	0	0
Pacific Noncontiguous	54	27	101.9%	NM	NM	48	26	0	0	0	0
Alaska	10	NM	NM	NM	NM	NM	0	0	0	0	0
Hawaii	44	26	71.2%	0	0	44	26	0	0	0	0
U.S. Total	11,721	8,680	35.0%	1,989	1,372	9,724	7,303	NM	NM	NM	NM

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.17.B. Net Generation from Wind
by State, by Sector, Year-to-Date through September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	1,318	958	37.6%	130	53	1,176	897	12	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	731	629	16.2%	0	0	731	629	0	0	0	0
Massachusetts	132	60	119.2%	40	44	80	8	12	NM	0	0
New Hampshire	285	198	44.0%	0	0	285	198	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	168	69	144.2%	90	9	77	60	0	0	0	0
Middle Atlantic	4,835	3,693	30.9%	0	0	4,829	3,686	0	0	NM	NM
New Jersey	10	10	3.9%	0	0	10	10	0	0	0	0
New York	2,464	2,162	14.0%	0	0	2,458	2,155	0	0	NM	NM
Pennsylvania	2,361	1,521	55.2%	0	0	2,361	1,521	0	0	0	0
East North Central	12,578	10,236	22.9%	1,307	910	11,255	9,316	NM	NM	14	9
Illinois	6,688	5,439	23.0%	11	11	6,677	5,428	0	0	0	0
Indiana	2,355	2,247	4.8%	0	0	2,353	2,246	NM	NM	0	0
Michigan	1,659	731	127.0%	620	202	1,039	529	0	0	0	0
Ohio	771	685	12.6%	12	12	745	664	0	0	14	9
Wisconsin	1,105	1,134	-2.6%	664	685	440	449	0	0	0	0
West North Central	31,638	26,580	19.0%	9,925	8,615	21,693	17,945	20	20	0	0
Iowa	11,149	9,864	13.0%	6,173	5,195	4,974	4,667	NM	NM	0	0
Kansas	6,867	3,377	103.4%	669	710	6,198	2,667	0	0	0	0
Minnesota	5,701	5,433	4.9%	1,281	1,123	4,403	4,292	17	18	0	0
Missouri	854	905	-5.6%	0	0	854	905	0	0	0	0
Nebraska	1,238	903	37.1%	156	147	1,082	756	0	0	0	0
North Dakota	3,902	3,955	-1.3%	1,215	937	2,687	3,017	0	0	0	0
South Dakota	1,926	2,144	-10.2%	432	502	1,494	1,642	0	0	0	0
South Atlantic	1,251	1,179	6.1%	0	0	1,248	1,176	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	229	222	3.2%	0	0	229	222	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	1,019	954	6.8%	0	0	1,019	954	0	0	0	0
East South Central	32	33	-3.9%	0	0	32	33	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	32	33	-3.9%	0	0	32	33	0	0	0	0
West South Central	34,950	28,936	20.8%	1,450	1,367	33,500	27,569	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	7,894	5,597	41.0%	1,204	1,130	6,691	4,467	0	0	0	0
Texas	27,055	23,339	15.9%	246	237	26,809	23,102	0	0	0	0
Mountain	13,827	12,016	15.1%	1,591	1,443	12,219	10,559	14	11	NM	NM
Arizona	362	200	80.5%	0	0	362	200	0	0	0	0
Colorado	5,262	4,498	17.0%	50	49	5,198	4,438	11	8	NM	NM
Idaho	1,881	1,257	49.6%	97	7	1,783	1,250	0	0	0	0
Montana	1,087	834	30.4%	65	69	1,022	765	0	0	0	0
Nevada	195	42	367.5%	0	0	195	42	0	0	0	0
New Mexico	1,631	1,613	1.1%	0	0	1,628	1,610	NM	NM	0	0
Utah	421	536	-21.4%	0	0	421	536	0	0	0	0
Wyoming	2,989	3,037	-1.6%	1,378	1,318	1,610	1,719	0	0	0	0
Pacific Contiguous	23,091	17,963	28.5%	4,531	4,150	18,556	13,813	NM	0	NM	0
California	11,533	7,959	44.9%	774	479	10,755	7,480	NM	0	NM	0
Oregon	6,071	4,882	24.4%	1,162	1,120	4,909	3,762	0	0	0	0
Washington	5,486	5,121	7.1%	2,595	2,550	2,892	2,571	0	0	0	0
Pacific Noncontiguous	458	291	57.5%	32	11	425	280	0	0	0	0
Alaska	81	11	635.9%	32	11	48	0	0	0	0	0
Hawaii	377	280	34.8%	0	0	377	280	0	0	0	0
U.S. Total	123,978	101,886	21.7%	18,967	16,549	104,932	85,274	53	45	26	19

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	639	645	-1.0%	54	45	380	396	NM	NM	195	195
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	306	358	-14.6%	0	0	143	154	NM	NM	154	195
Massachusetts	138	98	41.6%	0	0	NM	98	0	0	41	0
New Hampshire	95	95	-0.1%	30	31	65	64	0	0	0	0
Rhode Island	10	10	-3.4%	0	0	10	10	0	0	0	0
Vermont	NM	29	NM	24	15	NM	15	NM	NM	0	0
Middle Atlantic	448	458	-2.2%	0	0	345	356	45	43	NM	60
New Jersey	76	78	-2.8%	0	0	63	56	13	22	0	0
New York	189	178	6.2%	0	0	146	149	22	10	21	18
Pennsylvania	184	203	-9.4%	0	0	NM	151	10	11	NM	42
East North Central	465	471	-1.3%	41	45	268	271	NM	NM	NM	135
Illinois	51	54	-4.4%	0	0	51	54	NM	0	0	0
Indiana	27	28	-2.5%	24	25	0	0	NM	2	NM	2
Michigan	197	196	0.6%	0	NM	127	129	NM	NM	NM	NM
Ohio	53	57	-5.9%	0	0	NM	NM	0	0	NM	31
Wisconsin	136	137	-0.6%	18	21	64	62	NM	NM	NM	53
West North Central	179	174	3.0%	41	NM	81	83	NM	4	53	52
Iowa	15	13	17.1%	NM	2	7	7	NM	3	3	1
Kansas	5	5	-2.9%	0	0	5	5	0	0	0	0
Minnesota	151	146	3.9%	34	NM	68	69	NM	NM	NM	50
Missouri	3	5	-36.8%	NM	3	NM	2	0	0	NM	NM
Nebraska	5	5	-3.0%	4	4	0	0	NM	NM	0	0
North Dakota	0	NM	NM	0	0	0	0	0	0	0	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,278	1,234	3.6%	123	81	379	358	NM	NM	745	765
Delaware	5	8	-40.2%	0	0	5	8	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	355	353	0.5%	9	7	171	178	NM	3	172	165
Georgia	312	275	13.1%	0	0	46	NM	NM	2	263	260
Maryland	40	39	4.2%	NM	NM	30	29	NM	NM	6	5
North Carolina	184	190	-3.3%	0	0	80	81	0	0	104	109
South Carolina	129	164	-21.5%	35	41	NM	NM	0	0	92	122
Virginia	253	203	24.3%	79	NM	46	47	21	18	106	105
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	495	511	-3.1%	8	8	NM	19	0	0	NM	484
Alabama	NM	NM	NM	NM	NM	17	18	0	0	NM	NM
Kentucky	NM	20	NM	8	8	0	0	0	0	NM	12
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	NM	88	NM	0	0	NM	2	0	0	NM	86
West South Central	512	456	12.2%	0	0	52	56	NM	3	457	397
Arkansas	133	133	0.4%	0	0	6	7	NM	NM	127	126
Louisiana	225	166	35.7%	0	0	6	6	0	0	219	159
Oklahoma	NM	25	NM	0	0	0	0	0	0	NM	25
Texas	130	133	-2.4%	0	0	40	44	NM	3	87	87
Mountain	61	70	-13.3%	NM	2	34	34	0	NM	NM	NM
Arizona	16	17	-2.7%	NM	2	NM	NM	0	NM	0	0
Colorado	NM	5	NM	0	0	NM	5	0	0	0	0
Idaho	NM	42	NM	0	0	NM	9	0	0	NM	NM
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	5	5	-2.5%	0	0	5	5	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	742	721	2.9%	59	57	396	387	94	90	194	187
California	528	527	0.1%	14	21	362	357	92	88	59	61
Oregon	70	60	15.9%	6	6	26	22	NM	2	36	30
Washington	145	134	8.0%	39	30	7	8	0	0	99	96
Pacific Noncontiguous	30	29	1.5%	5	6	0	0	16	14	9	9
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	30	29	1.6%	5	6	0	0	16	14	9	9
U.S. Total	4,849	4,771	1.6%	333	280	1,954	1,960	NM	NM	2,341	2,317

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	5,576	5,481	1.7%	492	407	3,361	3,457	NM	NM	1,637	1,534
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	2,527	2,849	-11.3%	0	0	1,214	1,235	NM	NM	1,229	1,534
Massachusetts	1,282	897	43.0%	0	0	875	895	NM	NM	408	0
New Hampshire	824	824	0.0%	266	248	558	576	0	0	NM	NM
Rhode Island	92	95	-3.3%	0	0	92	95	0	0	0	0
Vermont	352	291	20.9%	227	159	124	131	NM	NM	0	0
Middle Atlantic	3,972	4,056	-2.0%	0	0	3,066	3,135	392	382	NM	NM
New Jersey	671	697	-3.7%	0	0	556	502	116	195	0	0
New York	1,583	1,570	0.8%	0	0	1,223	1,301	182	90	178	179
Pennsylvania	1,718	1,788	-3.9%	0	0	1,287	1,332	94	97	NM	NM
East North Central	4,234	4,353	-2.7%	429	422	2,439	2,507	149	175	1,218	1,249
Illinois	477	502	-4.9%	0	0	477	502	NM	NM	0	0
Indiana	252	260	-3.0%	221	229	0	0	16	16	15	15
Michigan	1,747	1,825	-4.3%	NM	NM	1,158	1,203	124	149	NM	471
Ohio	479	516	-7.1%	0	0	229	236	0	0	NM	280
Wisconsin	1,278	1,250	2.3%	207	192	574	565	NM	NM	489	482
West North Central	1,544	1,546	-0.1%	374	356	747	766	37	39	385	385
Iowa	122	122	-0.1%	21	21	65	68	23	23	12	10
Kansas	44	46	-3.4%	0	0	44	46	0	0	0	0
Minnesota	1,286	1,276	0.8%	291	269	621	635	NM	6	NM	366
Missouri	NM	NM	NM	24	26	17	17	0	0	NM	NM
Nebraska	48	50	-3.9%	39	40	0	0	NM	10	0	0
North Dakota	NM	6	NM	0	0	0	0	0	0	NM	6
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	11,378	11,338	0.4%	809	716	3,428	3,433	261	248	6,880	6,942
Delaware	46	89	-47.8%	0	0	46	89	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,308	3,358	-1.5%	72	62	1,613	1,733	28	29	1,596	1,535
Georgia	2,631	2,487	5.8%	0	0	306	121	20	19	2,305	2,347
Maryland	405	399	1.6%	NM	NM	277	252	35	48	93	99
North Carolina	1,730	1,752	-1.3%	0	0	744	768	0	0	986	985
South Carolina	1,415	1,584	-10.7%	340	378	16	16	0	0	1,059	1,190
Virginia	1,842	1,669	10.4%	398	276	425	454	179	152	841	787
West Virginia	0	0	-100.0%	0	0	0	0	0	0	0	0
East South Central	4,403	4,513	-2.4%	73	75	163	165	0	0	4,167	4,273
Alabama	2,376	2,450	-3.0%	NM	NM	148	149	0	0	2,227	2,301
Kentucky	214	241	-11.1%	71	74	0	0	0	0	142	167
Mississippi	NM	1,072	NM	0	0	0	0	0	0	NM	1,072
Tennessee	720	750	-4.0%	0	0	16	16	0	0	704	734
West South Central	4,616	4,396	5.0%	0	0	552	623	30	32	4,034	3,741
Arkansas	1,253	1,248	0.4%	0	0	55	65	NM	4	1,194	1,180
Louisiana	1,910	1,640	16.4%	0	0	55	57	0	0	1,854	NM
Oklahoma	218	221	-1.2%	0	0	0	0	0	0	218	221
Texas	1,235	1,287	-4.0%	0	0	442	502	26	28	767	757
Mountain	555	636	-12.8%	19	18	247	315	NM	4	NM	300
Arizona	94	157	-40.0%	17	18	75	135	NM	4	0	0
Colorado	49	48	2.3%	2	0	48	48	0	0	0	0
Idaho	361	380	-4.8%	0	0	74	80	0	0	NM	300
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	NM	7	NM	0	0	NM	7	0	0	0	0
Utah	43	44	-2.8%	0	0	43	44	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	6,533	6,335	3.1%	448	430	3,490	3,466	827	811	1,769	1,629
California	4,684	4,705	-0.5%	146	184	3,197	3,198	807	792	534	531
Oregon	625	509	23.0%	52	53	226	199	20	19	328	237
Washington	1,224	1,121	9.1%	249	192	67	69	0	0	907	860
Pacific Noncontiguous	233	219	6.4%	19	19	0	0	133	113	81	86
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	231	217	6.8%	19	19	0	0	133	113	79	84
U.S. Total	43,044	42,872	0.4%	2,663	2,442	17,493	17,866	1,915	1,887	20,972	20,677

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.19.A. Net Generation from Geothermal by State, by Sector, September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0	0	0	0	0
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	--	0	0	0	0	0	0	0	0
East North Central	0	0	--	0	0	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	0	0	--	0	0	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	0	--	0	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	251	262	-4.0%	22	21	230	241	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	7	-100.0%	0	0	0	7	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	224	228	-1.9%	0	0	224	228	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	27	27	2.2%	22	21	6	6	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,113	1,092	1.9%	70	74	1,043	1,019	0	0	0	0
California	1,104	1,092	1.0%	70	74	1,033	1,019	0	0	0	0
Oregon	10	0	--	0	0	10	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	23	23	-0.6%	0	0	23	23	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	23	23	-0.6%	0	0	23	23	0	0	0	0
U.S. Total	1,387	1,377	0.7%	92	95	1,295	1,282	0	0	0	0

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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.19.B. Net Generation from Geothermal
by State, by Sector, Year-to-Date through September 2013 and 2012 (Thousand Megawatthours)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0	0	0	0	0
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	0	--	0	0	0	0	0	0	0	0
East North Central	0	0	--	0	0	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	0	0	--	0	0	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	0	--	0	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	2,394	2,339	2.4%	178	197	2,217	2,142	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	54	62	-12.8%	0	0	54	62	0	0	0	0
Montana	0	43	-100.0%	0	0	0	43	0	0	0	0
Nevada	2,111	1,984	6.4%	0	0	2,111	1,984	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	230	249	-7.9%	178	197	52	53	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	10,043	9,960	0.8%	617	652	9,426	9,307	0	0	0	0
California	9,932	9,960	-0.3%	617	652	9,315	9,307	0	0	0	0
Oregon	111	0	--	0	0	111	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	200	192	4.1%	0	0	200	192	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	200	192	4.1%	0	0	200	192	0	0	0	0
U.S. Total	12,637	12,490	1.2%	795	849	11,842	11,641	0	0	0	0

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.20.A. Net Generation from Solar by State, by Sector, September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	14	NM	NM	NM	NM	13	NM	NM	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	12	NM	NM	NM	NM	11	NM	NM	NM	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	NM	0	--	0	0	NM	0	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	64	43	49.8%	NM	NM	50	35	9	NM	NM	NM
New Jersey	52	34	55.1%	NM	NM	39	26	9	NM	NM	NM
New York	5	5	3.7%	0	0	5	5	0	NM	0	0
Pennsylvania	NM	NM	NM	0	0	NM	NM	0	0	NM	NM
East North Central	10	10	-0.9%	NM	NM	NM	10	NM	0	0	0
Illinois	NM	NM	NM	0	0	NM	NM	0	0	0	0
Indiana	NM	0	--	0	0	NM	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	NM	NM	NM	NM	NM	NM	NM	NM	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	0	--	0	0	NM	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	NM	0	--	0	0	NM	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	88	29	203.6%	16	12	65	16	NM	NM	0	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	18	18	1.3%	14	12	NM	NM	NM	NM	0	0
Georgia	NM	NM	NM	0	0	NM	0	NM	NM	0	0
Maryland	14	NM	NM	NM	NM	12	NM	NM	NM	0	0
North Carolina	48	NM	NM	0	NM	43	NM	NM	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	NM	0	--	0	0	NM	0	NM	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	NM	0	--	0	0	NM	0	NM	0	0	0
West South Central	17	15	10.5%	0	0	17	15	NM	NM	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	17	15	10.5%	0	0	17	15	NM	NM	0	0
Mountain	313	210	49.4%	26	13	282	192	5	5	0	NM
Arizona	195	104	88.1%	21	13	172	90	NM	NM	0	0
Colorado	15	17	-10.4%	0	0	15	16	NM	NM	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	64	56	15.3%	0	0	61	52	3	3	0	NM
New Mexico	39	33	15.6%	NM	0	33	33	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	440	152	190.4%	48	27	384	118	NM	NM	NM	NM
California	438	151	190.7%	47	26	382	118	NM	NM	NM	NM
Oregon	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Washington	0	0	-19.5%	0	0	0	0	0	0	0	0
Pacific Noncontiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	NM	NM	0	0	NM	NM	0	0	0	0
U.S. Total	954	462	106.2%	97	59	826	388	29	14	NM	NM

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NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 1.20.B. Net Generation from Solar
by State, by Sector, Year-to-Date through September 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	91	27	241.5%	NM	NM	82	15	NM	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	76	22	239.5%	NM	NM	68	NM	NM	NM	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	NM	0	--	0	0	NM	0	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	469	353	33.0%	40	44	361	282	60	18	NM	NM
New Jersey	369	279	32.2%	40	44	267	217	60	17	NM	NM
New York	43	46	-6.3%	0	0	42	44	NM	NM	0	0
Pennsylvania	57	28	105.7%	0	0	51	21	0	NM	NM	NM
East North Central	87	55	57.4%	NM	NM	74	54	NM	0	0	0
Illinois	45	26	74.3%	0	0	45	26	0	0	0	0
Indiana	NM	0	--	0	0	NM	0	0	0	0	0
Michigan	0	0	--	0	0	0	0	0	0	0	0
Ohio	37	29	26.5%	NM	NM	24	28	NM	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	0	--	0	0	NM	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	NM	0	--	0	0	NM	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	560	257	118.4%	150	135	363	118	48	NM	0	0
Delaware	47	23	98.6%	NM	NM	44	21	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	187	180	3.9%	141	129	44	50	NM	NM	0	0
Georgia	NM	NM	NM	0	0	NM	0	NM	NM	0	0
Maryland	60	19	208.7%	NM	NM	48	16	NM	NM	0	0
North Carolina	263	32	718.5%	NM	NM	226	31	37	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	20	0	--	0	0	19	0	NM	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	20	0	--	0	0	19	0	NM	0	0	0
West South Central	136	107	26.9%	0	0	133	107	NM	NM	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	136	107	26.9%	0	0	133	107	NM	NM	0	0
Mountain	2,356	1,380	70.8%	188	110	2,127	1,227	41	42	NM	NM
Arizona	1,359	624	117.9%	160	110	1,193	510	NM	NM	0	0
Colorado	139	134	3.8%	0	0	132	125	7	9	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	562	354	59.0%	0	0	535	324	27	29	NM	NM
New Mexico	293	267	10.0%	28	0	265	267	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	2,671	1,158	130.6%	305	180	2,300	943	62	33	NM	NM
California	2,650	1,149	130.6%	297	176	2,287	939	62	33	NM	NM
Oregon	20	NM	NM	NM	NM	NM	NM	0	0	0	0
Washington	1	1	-10.2%	1	1	0	0	0	0	0	0
Pacific Noncontiguous	14	NM	NM	0	0	14	NM	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	14	NM	NM	0	0	14	NM	0	0	0	0
U.S. Total	6,407	3,339	91.9%	699	480	5,475	2,749	220	98	NM	11

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2003-September 2013 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	1,014,058	757,384	245,652	582	10,440
2004	1,020,523	772,224	240,235	377	7,687
2005	1,041,448	761,349	272,218	377	7,504
2006	1,030,556	753,390	269,412	347	7,408
2007	1,046,795	764,765	276,581	361	5,089
2008	1,042,335	760,326	276,565	369	5,075
2009	934,683	695,615	234,077	317	4,674
2010	979,684	721,431	249,814	314	8,125
2011	934,938	689,316	239,541	347	5,735
2012	826,700	616,501	204,864	310	5,026
2011					
January	90,208	66,083	23,598	40	487
February	73,614	54,434	18,733	39	409
March	72,645	54,115	18,034	37	460
April	67,128	49,443	17,200	25	460
May	73,522	54,959	18,051	25	487
June	84,156	62,690	20,931	27	507
July	94,304	69,942	23,782	32	548
August	92,297	68,137	23,570	29	562
Sept	76,790	55,844	20,442	26	479
October	69,605	50,644	18,520	21	419
November	67,059	48,879	17,762	21	397
December	73,610	54,146	18,917	26	521
2012					
January	70,846	52,472	17,910	29	435
February	62,906	46,913	15,572	27	393
March	57,442	43,404	13,606	25	407
April	51,893	39,963	11,541	22	366
May	62,978	46,967	15,602	24	385
June	71,750	53,760	17,550	26	413
July	86,667	64,476	21,662	30	500
August	82,862	61,637	20,707	28	491
Sept	69,490	51,615	17,433	24	418
October	66,745	49,296	16,991	20	438
November	69,977	51,442	18,108	26	401
December	73,144	54,556	18,181	28	378
2013					
January	75,110	55,848	18,856	31	375
February	67,213	49,169	17,653	29	362
March	70,467	52,144	17,916	28	379
April	60,957	45,661	14,940	24	332
May	64,814	48,404	16,004	27	379
June	75,241	56,096	18,723	29	393
July	83,466	61,595	21,416	30	425
August	82,072	61,546	20,113	27	386
Sept	72,838	53,355	19,087	24	372
Year to Date					
2011	724,664	535,646	184,341	279	4,398
2012	616,834	461,207	151,583	236	3,809
2013	652,179	483,818	164,708	248	3,405
Rolling 12 Months Ending in September					
2012	827,108	614,877	206,782	304	5,145
2013	862,045	639,112	217,989	322	4,622

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 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.1.B. Coal: Consumption for Useful Thermal Output, by Sector, 2003-September 2013 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	17,720	0	2,080	1,234	14,406
2004	24,275	0	3,809	1,540	18,926
2005	23,833	0	3,918	1,544	18,371
2006	23,227	0	3,834	1,539	17,854
2007	22,810	0	3,795	1,566	17,449
2008	22,168	0	3,689	1,652	16,827
2009	20,507	0	3,935	1,481	15,091
2010	21,727	0	3,808	1,406	16,513
2011	21,532	0	3,628	1,321	16,584
2012	20,323	0	3,393	1,239	15,691
2011					
January	2,084	0	340	149	1,595
February	1,833	0	307	135	1,391
March	1,869	0	310	127	1,431
April	1,713	0	287	98	1,327
May	1,776	0	328	99	1,349
June	1,726	0	287	103	1,336
July	1,824	0	313	113	1,397
August	1,807	0	305	101	1,400
Sept	1,689	0	283	96	1,309
October	1,712	0	294	89	1,329
November	1,689	0	277	96	1,315
December	1,812	0	296	113	1,403
2012					
January	1,948	0	338	133	1,477
February	1,699	0	269	114	1,315
March	1,699	0	290	109	1,299
April	1,514	0	247	92	1,175
May	1,701	0	299	97	1,304
June	1,594	0	286	88	1,221
July	1,652	0	291	89	1,272
August	1,734	0	299	98	1,337
Sept	1,560	0	273	92	1,195
October	1,731	0	278	95	1,358
November	1,683	0	248	109	1,327
December	1,807	0	274	123	1,410
2013					
January	1,771	0	264	123	1,385
February	1,643	0	264	115	1,264
March	1,724	0	295	113	1,316
April	1,524	0	257	90	1,177
May	1,562	0	283	93	1,185
June	1,520	0	277	82	1,160
July	1,579	0	284	80	1,215
August	1,562	0	290	84	1,187
Sept	1,506	0	257	82	1,167
Year to Date					
2011	16,319	0	2,761	1,022	12,537
2012	15,101	0	2,593	912	11,596
2013	14,391	0	2,471	863	11,056
Rolling 12 Months Ending in September					
2012	20,314	0	3,460	1,211	15,643
2013	19,612	0	3,271	1,189	15,151

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 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-September 2013 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	1,031,778	757,384	247,732	1,816	24,846
2004	1,044,798	772,224	244,044	1,917	26,613
2005	1,065,281	761,349	276,135	1,922	25,875
2006	1,053,783	753,390	273,246	1,886	25,262
2007	1,069,606	764,765	280,377	1,927	22,537
2008	1,064,503	760,326	280,254	2,021	21,902
2009	955,190	695,615	238,012	1,798	19,766
2010	1,001,411	721,431	253,621	1,720	24,638
2011	956,470	689,316	243,168	1,668	22,319
2012	847,023	616,501	208,257	1,549	20,717
2011					
January	92,292	66,083	23,939	189	2,082
February	75,447	54,434	19,040	173	1,800
March	74,514	54,115	18,343	164	1,891
April	68,841	49,443	17,487	124	1,787
May	75,298	54,959	18,379	124	1,836
June	85,881	62,690	21,218	130	1,843
July	96,128	69,942	24,095	145	1,946
August	94,103	68,137	23,875	129	1,962
Sept	78,479	55,844	20,724	122	1,788
October	71,317	50,644	18,814	110	1,748
November	68,748	48,879	18,039	117	1,712
December	75,422	54,146	19,213	139	1,923
2012					
January	72,795	52,472	18,249	162	1,913
February	64,604	46,913	15,842	141	1,708
March	59,142	43,404	13,897	135	1,707
April	53,407	39,963	11,787	115	1,542
May	64,678	46,967	15,902	121	1,689
June	73,344	53,760	17,835	114	1,634
July	88,319	64,476	21,953	118	1,773
August	84,597	61,637	21,006	126	1,827
Sept	71,050	51,615	17,706	116	1,613
October	68,476	49,296	17,269	115	1,796
November	71,660	51,442	18,356	134	1,728
December	74,951	54,556	18,455	151	1,789
2013					
January	76,882	55,848	19,120	153	1,760
February	68,856	49,169	17,917	144	1,626
March	72,191	52,144	18,211	141	1,694
April	62,481	45,661	15,198	114	1,509
May	66,376	48,404	16,287	120	1,564
June	76,761	56,096	18,999	111	1,554
July	85,045	61,595	21,700	110	1,640
August	83,634	61,546	20,403	111	1,574
Sept	74,345	53,355	19,344	106	1,539
Year to Date					
2011	740,984	535,646	187,101	1,301	16,935
2012	631,936	461,207	154,176	1,148	15,405
2013	666,570	483,818	167,179	1,111	14,461
Rolling 12 Months Ending in September					
2012	847,422	614,877	210,242	1,515	20,789
2013	881,657	639,112	221,261	1,512	19,773

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 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation, by Sector, 2003-September 2013 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	175,136	105,319	61,420	882	7,514
2004	165,107	103,793	56,342	760	4,212
2005	165,137	98,223	62,154	580	4,180
2006	73,821	53,529	17,179	327	2,786
2007	82,433	56,910	22,793	250	2,480
2008	53,846	38,995	13,152	160	1,538
2009	43,562	31,847	9,880	184	1,652
2010	40,103	30,806	8,278	164	855
2011	27,326	20,844	5,633	133	716
2012	22,523	17,759	4,010	129	625
2011					
January	3,325	2,207	1,005	26	87
February	2,077	1,590	400	16	72
March	2,160	1,737	351	10	63
April	2,450	2,091	296	5	57
May	2,291	1,886	347	5	52
June	2,355	1,745	553	5	53
July	2,926	1,906	958	14	49
August	2,290	1,749	480	12	49
Sept	1,834	1,427	342	13	52
October	1,835	1,481	280	10	64
November	1,832	1,488	278	10	55
December	1,952	1,539	343	8	62
2012					
January	1,888	1,485	332	8	62
February	1,567	1,263	238	6	60
March	1,602	1,330	216	NM	48
April	1,729	1,423	230	NM	66
May	1,912	1,468	384	NM	52
June	2,375	1,776	529	NM	54
July	2,677	2,042	571	17	47
August	2,020	1,602	359	15	43
Sept	1,629	1,306	264	11	48
October	1,860	1,490	297	12	61
November	1,636	1,264	324	10	38
December	1,629	1,310	266	8	44
2013					
January	2,820	1,766	968	NM	65
February	1,797	1,222	519	NM	45
March	1,588	1,294	241	7	46
April	1,617	1,294	264	9	49
May	1,753	1,379	312	9	53
June	1,667	1,290	330	9	38
July	2,647	1,860	729	16	NM
August	1,790	1,452	280	10	48
Sept	1,612	1,195	367	NM	40
Year to Date					
2011	21,708	16,337	4,732	105	534
2012	17,398	13,695	3,123	98	481
2013	17,291	12,753	4,008	103	427
Rolling 12 Months Ending in September					
2012	23,016	18,202	4,024	NM	663
2013	22,416	16,817	4,896	NM	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output, by Sector, 2003-September 2013 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	14,124	0	1,197	512	12,414
2004	20,654	0	1,501	1,203	17,951
2005	20,494	0	1,392	1,004	18,097
2006	14,077	0	1,153	559	12,365
2007	13,462	0	1,303	441	11,718
2008	7,533	0	1,311	461	5,762
2009	8,128	0	1,301	293	6,534
2010	4,866	0	1,086	212	3,567
2011	3,826	0	1,004	168	2,654
2012	2,710	0	950	110	1,651
2011					
January	538	0	94	69	375
February	370	0	72	26	272
March	333	0	75	9	249
April	287	0	83	3	201
May	287	0	82	7	198
June	286	0	82	4	200
July	272	0	87	8	176
August	284	0	92	8	184
Sept	280	0	89	11	180
October	311	0	87	5	219
November	293	0	83	14	195
December	286	0	76	3	207
2012					
January	278	0	95	11	172
February	203	0	64	7	132
March	216	0	53	NM	154
April	225	0	65	NM	154
May	223	0	85	NM	129
June	259	0	89	NM	157
July	232	0	81	15	137
August	217	0	82	9	126
Sept	195	0	79	7	109
October	245	0	87	8	149
November	208	0	84	8	115
December	210	0	86	7	117
2013					
January	261	0	56	NM	182
February	227	0	75	NM	138
March	213	0	85	7	121
April	228	0	86	7	135
May	238	0	88	9	142
June	211	0	82	10	119
July	237	0	86	17	NM
August	208	0	87	9	113
Sept	193	0	90	NM	94
Year to Date					
2011	2,936	0	758	146	2,033
2012	2,048	0	693	86	1,270
2013	2,017	0	736	103	1,177
Rolling 12 Months Ending in September					
2012	2,938	0	939	NM	1,891
2013	2,679	0	993	NM	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 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.2.C. Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-September 2013 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	189,260	105,319	62,617	1,394	19,929
2004	185,761	103,793	57,843	1,963	22,162
2005	185,631	98,223	63,546	1,584	22,278
2006	87,898	53,529	18,332	886	15,150
2007	95,895	56,910	24,097	691	14,198
2008	61,379	38,995	14,463	621	7,300
2009	51,690	31,847	11,181	477	8,185
2010	44,968	30,806	9,364	376	4,422
2011	31,152	20,844	6,637	301	3,370
2012	25,233	17,759	4,960	238	2,275
2011					
January	3,863	2,207	1,099	95	462
February	2,447	1,590	472	42	343
March	2,493	1,737	425	19	312
April	2,736	2,091	380	8	258
May	2,578	1,886	430	12	250
June	2,642	1,745	636	9	253
July	3,198	1,906	1,045	23	225
August	2,573	1,749	572	20	233
Sept	2,114	1,427	431	23	232
October	2,145	1,481	367	14	283
November	2,124	1,488	361	24	251
December	2,238	1,539	419	11	269
2012					
January	2,165	1,485	427	19	234
February	1,770	1,263	302	13	192
March	1,818	1,330	269	NM	202
April	1,954	1,423	295	NM	220
May	2,135	1,468	468	NM	181
June	2,634	1,776	618	NM	211
July	2,909	2,042	651	32	184
August	2,237	1,602	442	25	169
Sept	1,824	1,306	343	18	158
October	2,105	1,490	384	21	210
November	1,844	1,264	409	18	154
December	1,838	1,310	351	16	161
2013					
January	3,080	1,766	1,024	NM	246
February	2,024	1,222	593	NM	183
March	1,802	1,294	326	14	168
April	1,845	1,294	350	17	184
May	1,991	1,379	400	18	194
June	1,877	1,290	412	18	156
July	2,885	1,860	815	33	NM
August	1,999	1,452	367	19	161
Sept	1,804	1,195	457	NM	135
Year to Date					
2011	24,645	16,337	5,490	251	2,567
2012	19,446	13,695	3,816	184	1,751
2013	19,308	12,753	4,744	207	1,604
Rolling 12 Months Ending in September					
2012	25,953	18,202	4,963	NM	2,553
2013	25,095	16,817	5,889	NM	NM

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.A. Petroleum Coke: Consumption for Electricity Generation, by Sector, 2003-September 2013 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	6,303	2,554	3,166	2	582
2004	7,677	4,150	2,985	1	541
2005	8,330	4,130	3,746	1	452
2006	7,363	3,619	3,286	1	456
2007	6,036	2,808	2,715	2	512
2008	5,417	2,296	2,704	1	416
2009	4,821	2,761	1,724	1	335
2010	4,994	3,325	1,354	2	313
2011	5,012	3,449	1,277	1	286
2012	3,552	2,112	715	1	724
2011					
January	552	400	124	0	28
February	431	295	114	0	22
March	517	344	151	0	22
April	336	218	94	0	24
May	357	232	101	0	24
June	432	302	107	0	22
July	510	359	131	0	19
August	464	330	110	0	24
Sept	454	333	95	0	26
October	338	229	83	0	25
November	257	155	77	0	25
December	365	252	88	0	25
2012					
January	465	297	85	0	83
February	354	230	76	0	48
March	234	107	77	0	50
April	202	120	33	0	50
May	245	150	46	0	49
June	265	169	46	0	50
July	291	182	55	0	54
August	319	170	77	0	73
Sept	313	188	60	0	66
October	266	156	57	0	53
November	298	175	48	0	75
December	300	170	56	0	74
2013					
January	375	253	69	0	53
February	308	220	63	0	25
March	359	236	68	0	54
April	335	217	63	0	54
May	464	361	42	0	62
June	470	348	63	0	59
July	467	337	72	0	57
August	482	332	94	0	56
Sept	374	265	61	0	49
Year to Date					
2011	4,053	2,813	1,029	1	211
2012	2,689	1,612	554	1	523
2013	3,634	2,569	594	1	470
Rolling 12 Months Ending in September					
2012	3,648	2,247	802	1	598
2013	4,497	3,069	755	1	671

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output, by Sector, 2003-September 2013 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	763	0	80	9	675
2004	1,043	0	237	8	798
2005	783	0	206	8	568
2006	1,259	0	195	9	1,055
2007	1,262	0	162	11	1,090
2008	897	0	119	9	769
2009	1,007	0	126	8	873
2010	1,059	0	98	11	950
2011	1,080	0	112	6	962
2012	1,258	0	113	11	1,134
2011					
January	93	0	5	1	86
February	90	0	9	1	81
March	85	0	11	1	73
April	92	0	9	0	83
May	95	0	11	0	84
June	89	0	9	0	80
July	89	0	11	0	79
August	81	0	11	0	70
Sept	90	0	10	0	80
October	91	0	7	0	84
November	88	0	9	1	79
December	95	0	10	1	84
2012					
January	96	0	11	1	83
February	95	0	11	1	83
March	126	0	10	1	114
April	114	0	9	0	105
May	110	0	11	0	99
June	100	0	6	0	94
July	94	0	9	1	84
August	93	0	9	1	82
Sept	93	0	9	1	82
October	113	0	9	1	103
November	107	0	9	1	97
December	118	0	10	1	107
2013					
January	129	0	10	2	118
February	114	0	8	1	104
March	105	0	10	1	93
April	98	0	10	0	88
May	68	0	8	0	59
June	75	0	6	0	69
July	86	0	10	0	77
August	85	0	10	1	74
Sept	82	0	8	1	73
Year to Date					
2011	805	0	85	4	716
2012	920	0	85	7	827
2013	842	0	80	7	755
Rolling 12 Months Ending in September					
2012	1,195	0	112	9	1,074
2013	1,180	0	107	11	1,062

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-September 2013 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	7,067	2,554	3,245	11	1,257
2004	8,721	4,150	3,223	9	1,339
2005	9,113	4,130	3,953	9	1,020
2006	8,622	3,619	3,482	10	1,511
2007	7,299	2,808	2,877	12	1,602
2008	6,314	2,296	2,823	10	1,184
2009	5,828	2,761	1,850	9	1,209
2010	6,053	3,325	1,452	12	1,264
2011	6,092	3,449	1,388	6	1,248
2012	4,811	2,112	828	13	1,858
2011					
January	645	400	129	1	114
February	521	295	122	1	102
March	603	344	162	1	95
April	428	218	103	0	107
May	452	232	112	0	108
June	521	302	117	0	102
July	599	359	142	0	98
August	545	330	121	0	94
Sept	545	333	105	0	106
October	429	229	90	0	109
November	345	155	86	1	103
December	460	252	98	2	109
2012					
January	561	297	96	2	166
February	449	230	87	1	131
March	360	107	87	1	165
April	317	120	42	0	155
May	355	150	57	0	148
June	365	169	51	0	144
July	385	182	64	1	138
August	412	170	86	1	155
Sept	406	188	69	1	148
October	379	156	66	1	156
November	405	175	57	1	171
December	418	170	66	1	180
2013					
January	505	253	79	2	171
February	422	220	71	2	129
March	463	236	78	2	147
April	432	217	73	0	142
May	532	361	50	0	121
June	545	348	69	0	128
July	553	337	82	0	134
August	567	332	103	2	130
Sept	456	265	68	1	122
Year to Date					
2011	4,858	2,813	1,114	4	927
2012	3,609	1,612	639	8	1,350
2013	4,476	2,569	673	8	1,225
Rolling 12 Months Ending in September					
2012	4,843	2,247	913	11	1,672
2013	5,677	3,069	862	12	1,733

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 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

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

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	5,616,135	1,763,764	3,145,485	38,480	668,407
2004	5,674,580	1,809,443	3,265,896	32,839	566,401
2005	6,036,370	2,134,859	3,349,921	33,785	517,805
2006	6,461,615	2,478,396	3,412,826	34,623	535,770
2007	7,089,342	2,736,418	3,765,194	34,087	553,643
2008	6,895,843	2,730,134	3,612,197	33,403	520,109
2009	7,121,069	2,911,279	3,655,712	34,279	519,799
2010	7,680,185	3,290,993	3,794,423	39,462	555,307
2011	7,883,865	3,446,087	3,819,107	47,170	571,501
2012	9,465,207	4,115,509	4,694,256	49,019	606,423
2011					
January	563,712	238,731	273,552	3,518	47,910
February	505,126	208,813	250,551	3,069	42,692
March	503,090	217,538	239,429	3,169	42,953
April	545,924	243,866	253,900	3,062	45,096
May	598,689	268,818	279,002	4,043	46,826
June	727,189	330,305	344,944	3,957	47,982
July	967,125	430,187	478,936	5,316	52,686
August	951,425	421,042	471,544	5,001	53,838
Sept	711,980	306,699	352,213	4,290	48,779
October	599,544	266,740	284,312	3,727	44,764
November	568,007	242,306	275,414	3,709	46,579
December	642,055	271,041	315,311	4,309	51,394
2012					
January	674,887	283,222	336,978	4,466	50,221
February	673,149	275,187	345,902	4,192	47,869
March	702,346	296,294	356,195	3,952	45,904
April	742,266	323,441	369,861	3,883	45,082
May	843,724	379,144	409,826	3,992	50,761
June	911,369	407,145	448,758	4,118	51,347
July	1,123,145	501,548	561,605	4,562	55,429
August	1,034,276	449,778	527,204	4,163	53,131
Sept	834,251	362,093	418,418	3,971	49,768
October	699,343	306,157	339,034	3,931	50,220
November	608,543	262,336	291,010	3,766	51,430
December	617,909	269,163	289,464	4,022	55,260
2013					
January	660,231	285,207	316,314	4,439	54,271
February	593,820	258,757	282,029	3,836	49,198
March	632,116	278,386	297,457	4,037	52,236
April	588,124	255,482	282,176	3,574	46,893
May	641,849	283,756	304,947	3,779	49,367
June	765,969	347,954	362,775	3,934	51,306
July	937,994	414,068	465,169	4,501	54,255
August	929,007	426,382	444,323	4,451	53,851
Sept	776,567	349,059	374,500	4,113	48,894
Year to Date					
2011	6,074,259	2,665,999	2,944,071	35,425	428,764
2012	7,539,412	3,277,852	3,774,748	37,299	449,513
2013	6,525,676	2,899,052	3,129,689	36,664	460,272
Rolling 12 Months Ending in September					
2012	9,349,019	4,057,940	4,649,784	49,044	592,251
2013	8,451,471	3,736,708	4,049,197	48,384	617,182

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 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2003-September 2013 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	721,267	0	225,967	19,973	475,327
2004	1,052,100	0	388,424	39,233	624,443
2005	984,340	0	384,365	34,172	565,803
2006	942,817	0	330,878	33,112	578,828
2007	872,579	0	339,796	35,987	496,796
2008	793,537	0	326,048	32,813	434,676
2009	816,787	0	305,542	41,275	469,970
2010	821,775	0	301,769	46,324	473,683
2011	839,681	0	308,669	39,856	491,155
2012	904,930	0	326,981	44,897	533,052
2011					
January	72,765	0	27,509	3,590	41,667
February	65,092	0	24,322	2,962	37,808
March	66,500	0	24,958	2,875	38,666
April	64,265	0	23,687	2,685	37,894
May	67,344	0	24,178	3,047	40,119
June	66,791	0	24,165	2,912	39,714
July	77,883	0	29,452	3,910	44,520
August	78,356	0	28,864	3,877	45,616
Sept	70,438	0	25,286	3,339	41,812
October	66,780	0	23,880	3,155	39,744
November	67,698	0	24,826	3,422	39,450
December	75,769	0	27,542	4,083	44,145
2012					
January	80,268	0	28,153	4,230	47,885
February	72,826	0	26,538	3,988	42,301
March	72,726	0	24,617	3,881	44,228
April	72,067	0	26,221	3,546	42,301
May	73,640	0	28,295	3,338	42,007
June	75,498	0	28,908	3,551	43,039
July	79,508	0	30,195	3,876	45,437
August	78,480	0	30,248	3,602	44,630
Sept	73,579	0	26,325	3,842	43,412
October	74,631	0	26,206	3,881	44,544
November	73,627	0	24,443	3,543	45,641
December	78,080	0	26,832	3,621	47,627
2013					
January	78,921	0	27,874	3,779	47,268
February	70,788	0	25,379	3,372	42,037
March	76,268	0	26,500	3,772	45,996
April	72,001	0	25,648	3,251	43,101
May	73,586	0	25,934	3,283	44,369
June	69,714	0	24,964	3,198	41,553
July	74,912	0	27,376	3,916	43,620
August	78,847	0	28,632	3,626	46,589
Sept	73,073	0	26,351	3,389	43,332
Year to Date					
2011	629,434	0	232,421	29,197	367,816
2012	678,592	0	249,500	33,853	395,240
2013	668,110	0	238,659	31,586	397,865
Rolling 12 Months Ending in September					
2012	888,839	0	325,748	44,512	518,579
2013	894,447	0	316,140	42,630	535,677

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 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-September 2013 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2003	6,337,402	1,763,764	3,371,452	58,453	1,143,734
2004	6,726,679	1,809,443	3,654,320	72,072	1,190,844
2005	7,020,709	2,134,859	3,734,286	67,957	1,083,607
2006	7,404,432	2,478,396	3,743,704	67,735	1,114,597
2007	7,961,922	2,736,418	4,104,991	70,074	1,050,439
2008	7,689,380	2,730,134	3,938,245	66,216	954,785
2009	7,937,856	2,911,279	3,961,254	75,555	989,769
2010	8,501,960	3,290,993	4,096,192	85,786	1,028,990
2011	8,723,546	3,446,087	4,127,777	87,026	1,062,657
2012	10,370,137	4,115,509	5,021,237	93,916	1,139,475
2011					
January	636,477	238,731	301,061	7,108	89,577
February	570,218	208,813	274,873	6,032	80,500
March	569,590	217,538	264,388	6,044	81,620
April	610,190	243,866	277,587	5,747	82,990
May	666,033	268,818	303,180	7,090	86,945
June	793,979	330,305	369,109	6,869	87,696
July	1,045,008	430,187	508,388	9,226	97,207
August	1,029,781	421,042	500,407	8,878	99,454
Sept	782,418	306,699	377,499	7,629	90,591
October	666,323	266,740	308,192	6,882	84,509
November	635,705	242,306	300,240	7,130	86,029
December	717,824	271,041	342,852	8,392	95,539
2012					
January	755,155	283,222	365,131	8,696	98,106
February	745,976	275,187	372,439	8,179	90,170
March	775,071	296,294	380,812	7,833	90,132
April	814,334	323,441	396,082	7,429	87,382
May	917,363	379,144	438,121	7,330	92,768
June	986,867	407,145	477,667	7,668	94,386
July	1,202,652	501,548	591,800	8,438	100,866
August	1,112,757	449,778	557,452	7,765	97,762
Sept	907,829	362,093	444,744	7,813	93,180
October	773,974	306,157	365,240	7,812	94,764
November	682,170	262,336	315,453	7,309	97,071
December	695,989	269,163	316,296	7,643	102,887
2013					
January	739,152	285,207	344,188	8,218	101,539
February	664,607	258,757	307,408	7,208	91,235
March	708,384	278,386	323,957	7,809	98,232
April	660,124	255,482	307,824	6,825	89,993
May	715,436	283,756	330,881	7,062	93,737
June	835,684	347,954	387,739	7,132	92,859
July	1,012,905	414,068	492,545	8,416	97,876
August	1,007,854	426,382	472,955	8,077	100,440
Sept	849,639	349,059	400,851	7,503	92,226
Year to Date					
2011	6,703,694	2,665,999	3,176,492	64,622	796,580
2012	8,218,005	3,277,852	4,024,247	71,152	844,753
2013	7,193,786	2,899,052	3,368,348	68,250	858,137
Rolling 12 Months Ending in September					
2012	10,237,857	4,057,940	4,975,532	93,556	1,110,830
2013	9,345,918	3,736,708	4,365,337	91,015	1,152,859

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.A. Consumption of Coal for Electricity Generation by State, by Sector, September 2013 and September 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	59	14	322.0%	6	0	52	13	0	0	1	NM
Connecticut	6	0	--	0	0	6	0	0	0	0	0
Maine	1	1	-21.0%	0	0	0	0	0	0	1	1
Massachusetts	47	13	258.0%	0	0	46	NM	0	0	NM	NM
New Hampshire	6	0	NM	6	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	3,269	3,316	-1.4%	0	0	3,252	3,271	NM	NM	18	44
New Jersey	56	50	12.0%	0	0	56	50	0	0	0	0
New York	84	147	-43.0%	0	0	79	141	0	0	5	6
Pennsylvania	3,130	3,119	0.4%	0	0	3,116	3,080	NM	NM	13	39
East North Central	16,345	14,310	14.0%	11,305	10,477	4,956	3,753	6	7	77	74
Illinois	4,644	3,818	22.0%	486	475	4,107	3,292	NM	1	51	49
Indiana	3,858	3,717	3.8%	3,619	3,468	234	244	4	4	1	NM
Michigan	2,649	2,541	4.3%	2,637	2,520	NM	17	1	0	6	3
Ohio	3,251	2,465	32.0%	2,636	2,258	610	200	NM	NM	4	5
Wisconsin	1,943	1,770	9.8%	1,927	1,755	0	0	NM	NM	16	15
West North Central	11,028	11,399	-3.3%	10,901	11,260	0	0	7	8	119	131
Iowa	1,637	1,749	-6.4%	1,570	1,675	0	0	4	4	63	70
Kansas	1,683	1,662	1.3%	1,683	1,662	0	0	0	0	0	0
Minnesota	1,063	1,185	-10.0%	1,030	1,147	0	0	NM	NM	31	36
Missouri	3,483	3,633	-4.1%	3,479	3,629	0	0	2	2	2	NM
Nebraska	1,367	1,260	8.5%	1,350	1,244	0	0	0	0	16	16
North Dakota	1,643	1,720	-4.5%	1,637	1,714	0	0	0	0	6	7
South Dakota	151	190	-20.0%	151	190	0	0	0	0	0	0
South Atlantic	10,280	9,645	6.6%	8,488	7,905	1,743	1,690	2	2	47	47
Delaware	61	70	-13.0%	0	0	61	70	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,865	1,874	-0.5%	1,790	1,798	70	71	0	0	4	4
Georgia	1,981	1,913	3.6%	1,972	1,905	0	0	0	0	8	7
Maryland	526	606	-13.0%	0	0	524	604	0	0	2	1
North Carolina	1,521	1,501	1.3%	1,449	1,428	66	67	1	1	4	5
South Carolina	837	869	-3.7%	833	865	0	0	0	0	4	5
Virginia	754	309	144.0%	705	269	38	28	NM	NM	9	11
West Virginia	2,736	2,504	9.2%	1,737	1,639	984	850	0	0	15	15
East South Central	7,434	6,974	6.6%	7,092	6,620	318	329	NM	NM	24	25
Alabama	2,284	2,114	8.0%	2,280	2,108	0	1	0	0	4	4
Kentucky	3,240	2,914	11.0%	3,240	2,914	0	0	0	0	0	0
Mississippi	528	481	10.0%	211	153	318	327	0	0	0	0
Tennessee	1,381	1,466	-5.7%	1,361	1,444	0	0	NM	NM	20	21
West South Central	14,415	13,474	7.0%	7,077	6,685	7,321	6,750	0	0	17	39
Arkansas	1,711	1,510	13.0%	1,468	1,307	241	203	0	0	2	1
Louisiana	1,508	1,375	9.7%	843	760	666	615	0	0	NM	0
Oklahoma	1,741	1,491	17.0%	1,625	1,366	100	109	0	0	16	15
Texas	9,455	9,097	3.9%	3,141	3,252	6,314	5,823	0	0	0	23
Mountain	9,106	9,536	-4.5%	8,255	8,446	792	1,042	0	0	59	48
Arizona	2,044	1,813	13.0%	2,044	1,806	0	0	0	0	0	7
Colorado	1,354	1,528	-11.0%	1,350	1,525	3	3	0	0	0	0
Idaho	1	NM	NM	0	0	0	0	0	0	1	NM
Montana	691	936	-26.0%	NM	NM	667	911	0	0	NM	NM
Nevada	230	280	-18.0%	178	223	52	56	0	0	0	0
New Mexico	1,141	1,427	-20.0%	1,141	1,427	0	0	0	0	0	0
Utah	1,399	1,299	7.7%	1,327	1,246	NM	NM	0	0	40	21
Wyoming	2,247	2,251	-0.2%	2,192	2,194	NM	NM	0	0	17	17
Pacific Contiguous	796	716	11.0%	214	204	575	505	0	0	7	8
California	52	57	-8.8%	0	0	46	50	0	0	7	7
Oregon	214	204	4.6%	214	204	0	0	0	0	0	0
Washington	530	455	16.0%	0	0	529	454	0	0	1	1
Pacific Noncontiguous	106	107	-1.3%	17	18	79	80	8	8	NM	NM
Alaska	42	43	-2.6%	17	18	17	18	8	8	0	0
Hawaii	64	64	-0.4%	0	0	62	62	0	0	NM	NM
U.S. Total	72,838	69,490	4.8%	53,355	51,615	19,087	17,433	24	24	372	418

Displayed values of zero may 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 2.5.B. Consumption of Coal for Electricity Generation by State, by Sector, Year-to-Date through September 2013 and September 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	2,043	1,099	86.0%	492	365	1,540	725	0	0	11	9
Connecticut	268	57	372.0%	0	0	268	57	0	0	0	0
Maine	11	8	45.0%	0	0	5	4	0	0	6	4
Massachusetts	1,271	669	90.0%	0	0	1,267	665	0	0	5	5
New Hampshire	492	365	35.0%	492	365	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	35,101	33,021	6.3%	NM	NM	34,847	32,608	1	0	245	406
New Jersey	680	689	-1.4%	0	0	680	689	0	0	0	0
New York	1,887	1,628	16.0%	NM	NM	1,827	1,567	0	0	51	54
Pennsylvania	32,534	30,704	6.0%	0	0	32,340	30,352	1	0	194	352
East North Central	147,095	137,107	7.3%	104,686	95,866	41,606	40,450	77	77	725	715
Illinois	39,209	36,519	7.4%	4,807	4,862	33,935	31,187	12	9	455	461
Indiana	34,771	34,919	-0.4%	32,724	32,502	2,008	2,379	30	29	10	10
Michigan	23,935	22,298	7.3%	23,698	22,082	151	154	22	26	64	36
Ohio	31,275	29,075	7.6%	25,706	22,282	5,512	6,731	10	10	47	52
Wisconsin	17,904	14,297	25.0%	17,751	14,139	0	0	3	2	150	156
West North Central	104,948	101,522	3.4%	103,736	100,323	0	0	79	65	1,133	1,134
Iowa	15,981	16,239	-1.6%	15,338	15,604	0	0	40	34	603	601
Kansas	14,554	13,303	9.4%	14,554	13,303	0	0	0	0	0	0
Minnesota	10,271	10,041	2.3%	9,964	9,709	0	0	16	16	291	317
Missouri	33,887	32,226	5.2%	33,841	32,194	0	0	23	15	23	17
Nebraska	11,858	11,101	6.8%	11,702	10,961	0	0	0	0	156	140
North Dakota	16,925	17,215	-1.7%	16,866	17,156	0	0	0	0	60	59
South Dakota	1,473	1,397	5.5%	1,473	1,397	0	0	0	0	0	0
South Atlantic	88,794	89,055	-0.3%	73,306	74,466	15,052	14,118	13	13	422	457
Delaware	551	497	11.0%	0	0	551	497	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	15,775	15,233	3.6%	15,279	14,657	460	539	0	0	35	37
Georgia	15,785	16,629	-5.1%	15,706	16,545	0	0	0	0	79	83
Maryland	5,054	4,977	1.5%	0	0	5,026	4,947	0	0	29	30
North Carolina	14,638	15,994	-8.5%	14,097	15,407	500	545	6	6	36	37
South Carolina	7,508	9,169	-18.0%	7,463	9,101	0	14	0	0	46	54
Virginia	7,266	4,854	50.0%	6,776	4,337	402	418	7	8	81	92
West Virginia	22,216	21,701	2.4%	13,985	14,419	8,114	7,157	0	0	117	125
East South Central	66,550	63,075	5.5%	63,952	60,516	2,355	2,321	4	3	239	234
Alabama	18,558	17,108	8.5%	18,519	17,058	0	13	0	0	39	38
Kentucky	29,848	29,050	2.7%	29,848	29,050	0	0	0	0	0	0
Mississippi	4,513	4,133	9.2%	2,158	1,824	2,355	2,308	0	0	0	0
Tennessee	13,631	12,784	6.6%	13,427	12,584	0	0	4	3	200	196
West South Central	117,491	110,611	6.2%	60,210	58,289	57,152	51,970	0	0	129	352
Arkansas	14,486	13,243	9.4%	12,640	11,309	1,828	1,918	0	0	18	17
Louisiana	11,111	10,722	3.6%	5,444	5,626	5,666	5,094	0	0	NM	NM
Oklahoma	14,159	14,152	0.1%	13,239	13,227	810	802	0	0	110	124
Texas	77,736	72,493	7.2%	28,887	28,127	48,848	44,157	0	0	0	209
Mountain	84,596	77,902	8.6%	75,785	70,311	8,387	7,167	0	0	424	424
Arizona	17,469	15,808	11.0%	17,464	15,750	0	0	0	0	4	57
Colorado	14,145	14,126	0.1%	14,121	14,100	24	26	0	0	0	0
Idaho	13	12	10.0%	0	0	0	0	0	0	13	12
Montana	7,400	6,305	17.0%	214	210	7,180	6,090	0	0	6	5
Nevada	2,311	1,458	59.0%	1,766	1,027	546	431	0	0	0	0
New Mexico	10,840	10,721	1.1%	10,840	10,721	0	0	0	0	0	0
Utah	11,657	10,359	13.0%	11,123	9,902	284	262	0	0	249	195
Wyoming	20,760	19,114	8.6%	20,257	18,601	352	358	0	0	151	155
Pacific Contiguous	4,693	2,487	89.0%	1,507	909	3,122	1,513	0	0	64	65
California	393	476	-17.0%	0	0	335	417	0	0	58	58
Oregon	1,507	909	66.0%	1,507	909	0	0	0	0	0	0
Washington	2,792	1,103	153.0%	0	0	2,786	1,096	0	0	6	7
Pacific Noncontiguous	869	957	-9.2%	136	156	647	709	73	77	12	14
Alaska	361	395	-8.5%	136	156	152	162	73	77	0	0
Hawaii	507	562	-9.7%	0	0	495	548	0	0	12	14
U.S. Total	652,179	616,834	5.7%	483,818	461,207	164,708	151,583	248	236	3,405	3,809

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

Table 2.6.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, September 2013 and September 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	59	27	114.0%	NM	8	43	11	NM	7	NM	2
Connecticut	NM	6	NM	NM	2	NM	4	NM	0	NM	NM
Maine	NM	4	NM	NM	NM	NM	2	NM	NM	NM	2
Massachusetts	36	12	186.0%	5	3	28	5	NM	4	NM	NM
New Hampshire	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Rhode Island	NM	3	NM	1	2	NM	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	154	104	49.0%	46	35	100	61	NM	2	6	5
New Jersey	NM	9	NM	NM	NM	NM	8	NM	NM	NM	NM
New York	98	55	78.0%	45	35	46	14	NM	NM	6	4
Pennsylvania	44	40	10.0%	NM	NM	NM	39	0	0	NM	0
East North Central	110	87	27.0%	75	73	32	10	NM	NM	2	3
Illinois	10	10	-4.1%	NM	4	6	6	NM	NM	NM	NM
Indiana	22	16	31.0%	20	14	NM	NM	NM	NM	1	2
Michigan	22	17	30.0%	22	16	0	0	NM	NM	0	1
Ohio	46	33	42.0%	20	29	25	4	NM	NM	0	0
Wisconsin	10	10	-6.0%	9	10	0	0	NM	NM	NM	NM
West North Central	47	36	32.0%	47	35	NM	NM	NM	NM	NM	NM
Iowa	11	9	24.0%	11	9	NM	NM	NM	NM	NM	NM
Kansas	6	4	63.0%	6	4	0	0	0	0	0	0
Minnesota	11	3	285.0%	11	NM	0	NM	NM	NM	NM	NM
Missouri	NM	10	NM	NM	10	NM	NM	NM	NM	0	0
Nebraska	4	2	81.0%	4	2	0	0	0	0	0	0
North Dakota	6	6	13.0%	6	6	0	0	NM	NM	NM	NM
South Dakota	NM	2	NM	NM	2	NM	NM	NM	NM	0	0
South Atlantic	164	200	-18.0%	95	134	59	52	NM	NM	10	14
Delaware	NM	3	NM	NM	NM	NM	2	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	29	79	-63.0%	28	69	NM	9	0	0	1	1
Georgia	13	16	-18.0%	6	6	NM	NM	NM	NM	7	10
Maryland	27	14	98.0%	NM	2	26	12	NM	NM	0	NM
North Carolina	23	22	5.8%	22	20	NM	NM	NM	NM	NM	1
South Carolina	11	11	1.8%	9	9	0	0	NM	NM	1	1
Virginia	41	37	8.9%	12	8	28	27	0	0	1	1
West Virginia	15	19	-20.0%	15	19	0	0	0	0	0	0
East South Central	38	54	-29.0%	37	52	NM	NM	0	0	2	2
Alabama	7	11	-36.0%	5	9	NM	NM	0	0	1	2
Kentucky	12	20	-42.0%	12	20	0	0	0	0	0	0
Mississippi	2	1	66.0%	2	1	0	0	0	0	0	0
Tennessee	18	22	-18.0%	18	22	0	0	0	0	NM	NM
West South Central	15	30	-50.0%	11	12	3	17	NM	NM	NM	1
Arkansas	3	5	-27.0%	3	2	0	3	0	0	NM	NM
Louisiana	3	8	-57.0%	2	2	1	5	0	0	1	1
Oklahoma	1	1	-15.0%	1	1	0	0	NM	NM	0	0
Texas	7	16	-57.0%	5	7	2	9	NM	NM	NM	NM
Mountain	31	41	-24.0%	28	36	NM	4	0	NM	NM	NM
Arizona	8	4	94.0%	8	4	0	0	NM	NM	0	NM
Colorado	NM	NM	NM	NM	NM	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	NM	3	NM	NM	NM	NM	3	0	0	0	0
Nevada	3	3	14.0%	3	2	1	1	0	0	0	0
New Mexico	NM	10	NM	5	9	NM	NM	0	0	0	0
Utah	4	7	-44.0%	4	7	0	NM	0	0	0	0
Wyoming	7	11	-37.0%	7	11	0	0	0	0	NM	NM
Pacific Contiguous	13	14	-7.6%	8	11	NM	2	NM	NM	4	2
California	8	8	-3.1%	7	8	NM	0	NM	NM	NM	NM
Oregon	NM	NM	NM	1	1	0	0	NM	NM	0	0
Washington	4	5	-15.0%	NM	2	1	1	NM	NM	3	1
Pacific Noncontiguous	980	1,037	-5.5%	840	911	126	107	NM	NM	NM	NM
Alaska	106	141	-25.0%	99	130	0	0	NM	NM	7	10
Hawaii	874	896	-2.5%	740	781	126	107	1	0	NM	NM
U.S. Total	1,612	1,629	-1.1%	1,195	1,306	367	264	NM	11	40	48

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

Table 2.6.B. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, Year-to-Date through September 2013 and September 2012 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	1,309	695	88.0%	235	102	986	500	64	63	25	30
Connecticut	400	211	90.0%	5	NM	392	202	NM	0	NM	2
Maine	345	158	119.0%	NM	NM	326	124	NM	NM	12	28
Massachusetts	374	233	61.0%	97	28	244	173	24	32	10	NM
New Hampshire	119	52	130.0%	108	43	NM	NM	11	9	NM	NM
Rhode Island	42	NM	NM	13	NM	25	NM	NM	NM	0	0
Vermont	NM	22	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	2,133	1,409	51.0%	797	586	1,257	753	NM	NM	59	54
New Jersey	159	74	114.0%	NM	NM	155	68	NM	NM	NM	NM
New York	1,489	885	68.0%	794	581	624	241	NM	NM	54	49
Pennsylvania	485	450	7.9%	NM	NM	478	444	3	NM	3	NM
East North Central	936	947	-1.2%	742	796	172	128	NM	NM	19	20
Illinois	107	94	13.0%	36	NM	71	62	NM	NM	NM	NM
Indiana	199	172	15.0%	186	158	NM	NM	NM	NM	13	NM
Michigan	221	225	-1.9%	215	219	0	0	NM	2	4	4
Ohio	351	380	-7.6%	252	315	98	63	NM	NM	2	2
Wisconsin	59	75	-22.0%	54	71	4	3	NM	NM	NM	NM
West North Central	458	490	-6.5%	451	477	3	NM	NM	NM	2	NM
Iowa	127	147	-14.0%	125	145	2	NM	NM	NM	NM	NM
Kansas	80	54	48.0%	80	54	0	0	0	0	0	0
Minnesota	42	53	-19.0%	39	44	1	5	NM	NM	1	NM
Missouri	106	132	-19.0%	106	131	NM	NM	NM	NM	0	0
Nebraska	35	33	5.9%	35	33	0	0	0	0	0	0
North Dakota	49	52	-5.9%	48	51	0	0	NM	NM	1	NM
South Dakota	18	NM	NM	18	18	NM	NM	NM	NM	0	0
South Atlantic	2,335	2,833	-18.0%	1,820	2,188	386	504	NM	NM	126	136
Delaware	49	40	23.0%	NM	NM	47	38	0	0	0	0
District of Columbia	0	26	-100.0%	0	0	0	26	0	0	0	0
Florida	749	1,206	-38.0%	725	1,088	NM	105	0	0	10	13
Georgia	180	183	-1.7%	100	101	NM	NM	2	NM	77	77
Maryland	236	204	16.0%	11	NM	225	185	NM	NM	0	7
North Carolina	291	284	2.5%	274	268	NM	NM	NM	NM	NM	11
South Carolina	155	166	-6.6%	141	153	0	0	NM	NM	14	12
Virginia	477	535	-11.0%	371	376	89	142	1	1	16	16
West Virginia	198	188	5.2%	196	187	2	2	0	0	0	0
East South Central	478	552	-13.0%	448	521	1	NM	0	0	29	29
Alabama	110	128	-14.0%	84	100	1	NM	0	0	25	25
Kentucky	163	169	-4.1%	163	169	0	0	0	0	0	0
Mississippi	19	25	-24.0%	17	22	0	0	0	0	2	3
Tennessee	187	230	-19.0%	185	229	0	0	0	0	NM	NM
West South Central	364	337	8.0%	210	91	132	228	NM	NM	20	16
Arkansas	164	38	336.0%	143	21	20	15	0	0	NM	1
Louisiana	69	54	26.0%	19	17	32	24	0	0	18	13
Oklahoma	12	16	-27.0%	11	16	0	0	NM	NM	0	0
Texas	119	229	-48.0%	37	38	80	188	NM	NM	NM	NM
Mountain	304	331	-8.0%	275	290	29	39	0	NM	NM	NM
Arizona	59	56	5.2%	58	54	0	0	NM	NM	NM	NM
Colorado	23	NM	NM	22	NM	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	22	29	-22.0%	NM	NM	22	27	0	0	0	0
Nevada	25	31	-22.0%	20	23	5	9	0	0	0	0
New Mexico	71	63	12.0%	69	60	NM	NM	0	0	0	0
Utah	50	NM	NM	50	NM	NM	NM	0	0	0	0
Wyoming	55	71	-23.0%	55	71	0	0	0	0	NM	NM
Pacific Contiguous	118	133	-12.0%	61	70	21	32	NM	NM	34	30
California	65	75	-14.0%	45	48	9	23	NM	NM	9	NM
Oregon	NM	11	NM	9	10	0	0	NM	NM	0	0
Washington	44	47	-7.5%	NM	NM	12	NM	NM	NM	24	26
Pacific Noncontiguous	8,854	9,670	-8.4%	7,714	8,574	1,020	928	7	NM	112	163
Alaska	977	1,360	-28.0%	912	1,283	0	0	3	NM	61	NM
Hawaii	7,878	8,310	-5.2%	6,802	7,291	1,020	928	4	3	51	88
U.S. Total	17,291	17,398	-0.6%	12,753	13,695	4,008	3,123	103	98	427	481

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

Table 2.7.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, September 2013 and September 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	NM	0	--	0	0	0	0	0	0	NM	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	70	82	-14.0%	22	34	44	43	0	0	4	5
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	19	34	-44.0%	19	34	0	0	0	0	0	0
Michigan	NM	4	NM	1	0	1	3	0	0	NM	NM
Ohio	43	40	8.1%	0	0	43	40	0	0	0	0
Wisconsin	5	5	18.0%	3	1	0	0	0	0	3	4
West North Central	0	0	0.7%	0	0	0	0	0	0	0	0
Iowa	0	0	0.7%	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	107	30	261.0%	105	28	0	0	0	0	3	2
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	105	28	280.0%	105	28	0	0	0	0	0	0
Georgia	3	2	20.0%	0	0	0	0	0	0	3	2
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	41	51	-20.0%	41	51	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	41	51	-20.0%	41	51	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	137	133	3.4%	97	75	0	0	0	0	40	58
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	104	78	33.0%	97	75	0	0	0	0	NM	3
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	34	55	-39.0%	0	0	0	0	0	0	34	55
Mountain	15	15	-5.3%	0	0	15	15	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	15	15	-5.3%	0	0	15	15	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
California	NM	NM	NM	0	0	NM	NM	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	374	313	19.0%	265	188	61	60	0	0	49	66

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Table 2.7.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, Year-to-Date through September 2013 and September 2012 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	18	10	87.0%	0	0	0	0	0	0	18	10
New Jersey	NM	0	--	0	0	0	0	0	0	NM	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	12	10	28.0%	0	0	0	0	0	0	12	10
East North Central	743	589	26.0%	290	235	408	313	0	0	45	41
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	267	204	31.0%	267	204	0	0	0	0	0	0
Michigan	37	33	12.0%	1	0	24	26	0	0	12	8
Ohio	384	287	34.0%	0	0	383	287	0	0	1	0
Wisconsin	55	64	-14.0%	23	31	0	0	0	0	32	33
West North Central	1	6	-84.0%	0	5	0	0	1	1	0	0
Iowa	1	6	-84.0%	0	5	0	0	1	1	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	687	267	157.0%	658	227	0	0	0	0	29	41
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	658	227	190.0%	658	227	0	0	0	0	0	0
Georgia	29	41	-29.0%	0	0	0	0	0	0	29	41
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	383	397	-3.6%	383	397	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	383	397	-3.6%	383	397	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1,661	1,204	38.0%	1,238	748	45	25	0	0	379	431
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,300	783	66.0%	1,238	748	0	0	0	0	62	35
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	361	422	-14.0%	0	0	45	25	0	0	316	396
Mountain	125	123	1.3%	0	0	125	123	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	125	123	1.3%	0	0	125	123	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	16	93	-83.0%	0	0	16	93	0	0	0	0
California	16	93	-83.0%	0	0	16	93	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	3,634	2,689	35.0%	2,569	1,612	594	554	1	1	470	523

Displayed values of zero may 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 Natural Gas for Electricity Generation by State, by Sector, September 2013 and September 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	35,395	43,253	-18.0%	271	262	33,026	40,851	505	476	1,593	1,664
Connecticut	9,519	10,979	-13.0%	9	NM	9,182	10,588	NM	NM	151	157
Maine	2,816	4,023	-30.0%	0	0	1,484	2,646	NM	NM	1,330	1,376
Massachusetts	14,598	18,140	-20.0%	243	168	13,970	17,584	282	266	102	121
New Hampshire	3,180	4,522	-30.0%	16	17	3,153	4,495	0	0	NM	NM
Rhode Island	5,280	5,587	-5.5%	0	0	5,237	5,537	NM	NM	0	0
Vermont	3	2	82.0%	3	2	0	0	0	0	0	0
Middle Atlantic	80,275	94,718	-15.0%	9,968	12,227	68,944	81,140	597	569	766	782
New Jersey	17,357	20,067	-14.0%	0	0	16,950	19,701	NM	NM	315	306
New York	33,763	42,429	-20.0%	9,962	12,221	23,205	29,612	460	460	136	136
Pennsylvania	29,155	32,222	-9.5%	NM	NM	28,789	31,827	NM	NM	314	340
East North Central	30,706	40,863	-25.0%	10,867	12,930	18,445	26,290	704	693	690	951
Illinois	4,686	6,277	-25.0%	599	451	3,610	5,406	264	198	213	222
Indiana	5,335	6,896	-23.0%	3,083	4,833	1,934	1,729	NM	NM	294	309
Michigan	7,107	10,003	-29.0%	2,174	1,979	4,628	7,489	206	241	100	294
Ohio	8,716	13,320	-35.0%	2,405	3,518	6,097	9,592	NM	NM	44	NM
Wisconsin	4,862	4,367	11.0%	2,606	2,149	2,177	2,075	NM	NM	40	87
West North Central	13,915	9,452	47.0%	11,786	7,728	1,828	1,358	219	245	82	121
Iowa	1,542	937	64.0%	1,538	918	NM	0	NM	NM	NM	15
Kansas	2,652	2,143	24.0%	2,640	2,134	0	0	0	0	NM	NM
Minnesota	4,865	2,436	100.0%	3,565	1,610	1,151	633	NM	NM	35	NM
Missouri	3,688	3,489	5.7%	2,909	2,674	676	725	101	88	NM	NM
Nebraska	614	308	99.0%	589	265	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	NM	NM	NM	NM	NM	0	0	0	0	0	0
South Atlantic	173,062	185,991	-7.0%	136,769	146,973	34,156	36,838	280	NM	1,857	2,003
Delaware	4,366	5,210	-16.0%	NM	NM	3,870	4,569	0	0	480	622
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	96,032	106,962	-10.0%	88,018	97,494	7,230	8,681	NM	NM	764	767
Georgia	26,437	27,855	-5.1%	19,341	17,793	6,722	9,774	0	0	374	288
Maryland	2,906	3,605	-19.0%	0	0	2,702	3,347	NM	NM	NM	107
North Carolina	18,467	14,433	28.0%	12,215	12,445	6,192	1,935	3	4	58	NM
South Carolina	8,667	10,474	-17.0%	7,167	9,041	1,461	1,391	NM	NM	38	41
Virginia	15,881	17,199	-7.7%	9,969	9,976	5,801	7,098	0	0	111	124
West Virginia	224	153	47.0%	42	105	180	44	0	0	NM	NM
East South Central	50,761	62,236	-18.0%	28,643	34,815	20,060	26,381	NM	NM	1,975	957
Alabama	27,173	33,158	-18.0%	8,531	9,055	18,041	23,460	0	0	601	643
Kentucky	872	1,613	-46.0%	653	1,247	79	242	0	0	141	124
Mississippi	19,775	21,210	-6.8%	16,605	18,339	1,940	2,680	NM	NM	1,221	181
Tennessee	2,940	6,254	-53.0%	2,855	6,173	0	0	NM	NM	12	9
West South Central	222,106	222,955	-0.4%	75,590	72,854	110,902	113,295	373	366	35,241	36,440
Arkansas	7,120	9,108	-22.0%	3,521	2,782	3,490	6,209	NM	NM	108	117
Louisiana	38,852	43,237	-10.0%	17,618	18,909	7,282	8,462	NM	NM	13,932	15,844
Oklahoma	23,883	27,330	-13.0%	17,232	19,843	6,591	7,425	NM	NM	NM	NM
Texas	152,251	143,280	6.3%	37,219	31,320	93,540	91,199	331	325	21,161	20,436
Mountain	64,400	63,086	2.1%	35,498	34,719	28,254	27,615	NM	178	NM	574
Arizona	25,408	25,335	0.3%	10,108	11,390	15,258	13,893	NM	50	0	NM
Colorado	8,880	7,692	15.0%	4,117	3,283	4,735	4,390	10	0	NM	NM
Idaho	2,838	1,591	78.0%	1,612	323	1,181	1,254	0	0	45	NM
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	15,278	17,652	-13.0%	11,292	11,950	3,798	5,489	NM	NM	NM	159
New Mexico	6,876	5,973	15.0%	4,340	4,040	2,421	1,808	NM	73	NM	NM
Utah	4,773	4,491	6.3%	3,857	3,622	819	761	NM	NM	NM	108
Wyoming	199	248	-20.0%	NM	NM	NM	NM	0	0	134	221
Pacific Contiguous	103,557	108,404	-4.5%	37,340	36,381	58,883	64,649	NM	1,183	6,155	6,190
California	85,369	92,116	-7.3%	26,190	27,699	51,962	57,172	NM	1,130	6,079	6,115
Oregon	9,025	10,564	-15.0%	3,320	4,084	5,624	6,389	NM	NM	42	NM
Washington	9,163	5,723	60.0%	7,830	4,599	1,298	1,088	NM	NM	33	33
Pacific Noncontiguous	2,389	3,293	-27.0%	2,326	3,205	0	0	NM	NM	NM	NM
Alaska	2,389	3,293	-27.0%	2,326	3,205	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	776,567	834,251	-6.9%	349,059	362,093	374,500	418,418	4,113	3,971	48,894	49,768

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

Table 2.8.B. Consumption of Nautral Gas for Electricity Generation by State, by Sector, Year-to-Date through September 2013 and September 2012 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	302,206	358,627	-16.0%	2,571	3,729	280,257	334,930	4,701	4,804	14,677	15,164
Connecticut	86,270	87,439	-1.3%	NM	NM	82,993	83,639	1,532	1,592	1,421	1,559
Maine	27,560	35,395	-22.0%	0	0	15,436	23,078	NM	NM	12,108	12,306
Massachusetts	127,827	146,437	-13.0%	1,869	2,336	122,179	140,188	2,720	2,707	1,059	1,206
New Hampshire	22,828	40,500	-44.0%	347	716	22,392	39,690	0	0	NM	NM
Rhode Island	37,690	48,828	-23.0%	0	0	37,257	48,336	433	493	0	0
Vermont	32	28	13.0%	32	28	0	0	0	0	0	0
Middle Atlantic	768,635	858,348	-10.0%	97,925	107,482	657,931	737,546	5,711	5,552	7,067	7,768
New Jersey	156,779	171,406	-8.5%	0	0	153,307	167,739	745	603	2,728	3,064
New York	345,010	384,883	-10.0%	97,876	107,403	241,340	271,675	4,509	4,442	1,285	1,363
Pennsylvania	266,846	302,059	-12.0%	NM	NM	263,284	298,132	NM	506	3,055	3,341
East North Central	351,428	536,150	-34.0%	130,944	199,238	207,560	321,770	6,216	6,741	6,707	8,401
Illinois	47,176	82,956	-43.0%	5,288	13,185	37,282	64,930	2,577	2,620	2,029	2,221
Indiana	56,966	93,052	-39.0%	37,435	70,937	16,655	18,887	225	248	2,651	2,980
Michigan	77,847	149,825	-48.0%	21,666	38,263	53,495	107,927	1,519	1,599	1,167	2,036
Ohio	119,801	134,412	-11.0%	39,347	35,735	78,530	96,578	1,559	1,695	366	404
Wisconsin	49,639	75,906	-35.0%	27,209	41,119	21,599	33,448	337	580	494	759
West North Central	108,718	148,798	-27.0%	92,400	127,202	13,679	18,299	1,673	2,379	966	918
Iowa	10,274	14,023	-27.0%	10,163	13,925	NM	NM	NM	NM	NM	53
Kansas	20,102	29,439	-32.0%	20,006	29,349	0	0	0	0	NM	NM
Minnesota	39,767	48,065	-17.0%	31,874	39,044	6,464	7,359	999	1,331	429	331
Missouri	30,591	45,983	-33.0%	22,726	34,035	7,214	10,938	633	988	NM	NM
Nebraska	4,466	8,238	-46.0%	4,192	7,882	0	0	NM	NM	260	339
North Dakota	84	85	-1.4%	NM	NM	0	0	0	0	80	84
South Dakota	3,434	2,966	16.0%	3,434	2,966	0	0	0	0	0	0
South Atlantic	1,442,376	1,594,334	-9.5%	1,145,599	1,210,408	273,741	364,264	2,402	1,743	20,634	17,918
Delaware	40,890	49,294	-17.0%	NM	NM	32,672	43,820	0	0	8,052	5,271
District of Columbia	740	NM	NM	0	NM	0	0	740	0	0	0
Florida	794,697	891,851	-11.0%	731,405	804,960	56,072	79,467	NM	NM	7,049	7,239
Georgia	221,166	242,595	-8.8%	163,835	136,495	53,925	103,526	0	0	3,406	2,573
Maryland	20,118	44,010	-54.0%	0	0	18,367	41,389	1,465	1,515	286	1,106
North Carolina	152,525	123,864	23.0%	100,666	104,932	51,303	18,424	15	32	540	477
South Carolina	75,808	86,876	-13.0%	65,747	72,565	9,557	13,925	NM	NM	493	374
Virginia	133,795	152,893	-12.0%	83,334	90,005	49,685	62,048	0	0	777	840
West Virginia	2,638	2,062	28.0%	445	360	2,161	1,665	0	0	32	38
East South Central	495,379	652,347	-24.0%	276,214	354,506	199,482	288,150	744	796	18,939	8,895
Alabama	257,164	323,745	-21.0%	78,715	84,995	172,304	232,848	0	0	6,145	5,902
Kentucky	14,243	29,784	-52.0%	10,802	24,942	2,228	3,584	0	0	1,213	1,258
Mississippi	194,700	248,382	-22.0%	158,228	195,006	24,951	51,718	NM	NM	11,435	1,567
Tennessee	29,273	50,436	-42.0%	28,468	49,563	0	0	658	705	147	168
West South Central	1,795,536	2,078,599	-14.0%	568,445	679,483	893,315	1,067,784	3,130	3,208	330,647	328,124
Arkansas	73,671	103,860	-29.0%	16,774	23,077	55,816	79,882	NM	NM	1,077	897
Louisiana	330,966	385,510	-14.0%	149,713	180,583	49,964	66,734	NM	NM	131,099	137,992
Oklahoma	200,038	273,463	-27.0%	149,558	195,277	49,797	77,586	186	185	497	415
Texas	1,190,861	1,315,765	-9.5%	252,400	280,545	737,738	843,581	2,750	2,819	197,973	188,820
Mountain	485,138	521,575	-7.0%	288,868	312,015	189,527	201,916	1,521	1,584	5,221	6,060
Arizona	162,768	194,119	-16.0%	71,194	93,323	91,162	100,316	NM	437	NM	NM
Colorado	68,952	70,239	-1.8%	36,887	39,270	31,869	30,776	42	28	NM	NM
Idaho	17,939	10,844	65.0%	9,407	4,187	8,240	6,375	0	0	291	282
Montana	1,102	1,365	-19.0%	943	1,165	NM	NM	0	0	0	0
Nevada	138,405	144,016	-3.9%	103,575	103,666	33,131	38,510	NM	470	NM	1,370
New Mexico	56,888	57,739	-1.5%	37,056	36,740	18,794	19,907	NM	645	NM	447
Utah	36,534	40,466	-9.7%	29,459	33,212	6,048	5,686	NM	NM	1,026	1,565
Wyoming	2,550	2,787	-8.5%	NM	NM	NM	NM	0	0	2,079	2,187
Pacific Contiguous	748,880	757,615	-1.2%	269,298	251,518	414,195	440,090	10,550	10,469	54,837	55,539
California	625,808	671,270	-6.8%	198,412	208,341	363,114	398,021	10,183	10,021	54,098	54,888
Oregon	69,875	57,420	22.0%	24,771	19,551	44,333	37,111	346	398	425	360
Washington	53,198	28,925	84.0%	46,115	23,626	6,748	4,958	22	50	313	291
Pacific Noncontiguous	27,380	33,018	-17.0%	26,787	32,271	0	0	NM	NM	577	725
Alaska	27,380	33,018	-17.0%	26,787	32,271	0	0	NM	NM	577	725
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	6,525,676	7,539,412	-13.0%	2,899,052	3,277,852	3,129,689	3,774,748	36,664	37,299	460,272	449,513

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

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 2003 - September 2013

	Electric Power Sector			Electric Utilities			Independent Power Producers		
Period	Coal (Thousand Tons)	Petroluem Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroluem Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroluem Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
End of Year Stocks									
2003	121,567	45,752	1,484	97,831	28,062	378	23,736	17,691	1,105
2004	106,669	46,750	937	84,917	29,144	627	21,751	17,607	309
2005	101,137	47,414	530	77,457	29,532	374	23,680	17,882	156
2006	140,964	48,216	674	110,277	29,799	456	30,688	18,416	217
2007	151,221	44,433	554	120,504	28,032	253	30,717	16,401	301
2008	161,589	40,804	739	127,463	26,108	468	34,126	14,696	270
2009	189,467	39,210	1,394	154,815	25,811	1,194	34,652	13,399	201
2010	174,917	35,706	1,019	143,744	24,798	850	31,173	10,908	168
2011	172,387	34,847	508	142,103	25,648	404	30,284	9,198	104
2012	184,923	31,897	495	151,113	23,901	414	33,810	7,995	81
2011, End of Month Stocks									
January	164,575	35,116	799	134,983	24,759	657	29,591	10,357	142
February	161,064	34,662	707	131,893	24,552	594	29,171	10,110	113
March	166,255	34,318	495	135,359	24,448	437	30,896	9,870	59
April	173,427	33,895	526	141,094	24,222	463	32,334	9,672	63
May	174,093	33,745	563	140,536	24,187	490	33,557	9,557	73
June	165,149	35,339	496	133,988	25,847	433	31,161	9,492	64
July	147,296	34,903	463	120,226	25,535	411	27,070	9,368	52
August	138,527	34,637	437	113,210	25,297	379	25,317	9,339	58
Sept	143,711	34,666	385	118,038	25,313	332	25,673	9,353	53
October	156,196	35,293	440	128,170	25,756	346	28,026	9,536	94
November	167,754	35,437	494	137,122	25,967	391	30,632	9,470	102
December	172,387	34,847	508	142,103	25,648	404	30,284	9,198	104
2012, End of Month Stocks									
January	179,030	34,679	443	144,748	25,528	324	34,283	9,151	119
February	185,901	34,431	420	150,454	25,307	293	35,447	9,124	127
March	194,455	34,483	500	157,779	25,426	351	36,676	9,057	149
April	201,368	34,263	507	162,262	25,283	332	39,106	8,980	174
May	202,184	33,852	459	163,185	24,982	270	38,999	8,869	190
June	197,052	33,553	519	158,611	24,833	287	38,441	8,720	232
July	183,119	33,250	474	148,872	24,757	216	34,246	8,492	258
August	177,246	32,372	413	145,187	24,111	198	32,059	8,261	216
Sept	180,648	31,985	358	148,076	23,908	267	32,572	8,076	90
October	184,661	31,734	398	151,440	23,701	339	33,222	8,033	59
November	186,633	31,683	423	152,764	23,710	346	33,869	7,974	77
December	184,923	31,897	495	151,113	23,901	414	33,810	7,995	81
2013, End of Month Stocks									
January	180,318	31,078	444	146,911	23,451	360	33,408	7,627	84
February	177,208	30,908	444	145,893	23,171	364	31,315	7,737	80
March	173,241	31,874	406	143,710	23,906	323	29,531	7,968	83
April	173,078	31,312	455	143,480	23,441	387	29,598	7,872	69
May	177,977	31,258	444	145,957	23,384	348	32,020	7,873	96
June	170,751	31,124	409	139,640	23,279	303	31,111	7,845	107
July	160,403	31,634	397	132,045	24,014	279	28,358	7,620	118
August	155,640	30,697	262	127,823	22,790	183	27,817	7,908	79
Sept	153,813	30,563	311	126,207	22,289	191	27,606	8,275	121

Notes: See Glossary for definitions. Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms. Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 3.2 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by State, September 2013 and 2012

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	September 2013	September 2012	Percentage Change	September 2013	September 2012	Percentage Change	September 2013	September 2012	Percentage Change
New England	1,181	W	W	2,712	2,035	33.0%	0	0	--
Connecticut	W	W	W	772	864	-11.0%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	569	448	27.0%	1,244	775	61.0%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	0	0	--	W	W	W	0	0	--
Vermont	0	0	--	47	48	-3.2%	0	0	--
Middle Atlantic	5,508	6,769	-19.0%	4,896	5,597	-13.0%	W	W	W
New Jersey	953	841	13.0%	843	1,081	-22.0%	0	0	--
New York	602	502	20.0%	3,172	3,525	-10.0%	0	0	--
Pennsylvania	3,952	5,427	-27.0%	882	990	-11.0%	W	W	W
East North Central	30,147	36,908	-18.0%	1,233	1,337	-7.8%	108	60	82.0%
Illinois	6,588	8,631	-24.0%	105	116	-9.6%	0	0	--
Indiana	8,554	8,835	-3.2%	107	111	-3.3%	0	0	--
Michigan	5,538	7,264	-24.0%	496	537	-7.6%	W	W	W
Ohio	5,331	6,610	-19.0%	290	326	-11.0%	W	W	W
Wisconsin	4,136	5,568	-26.0%	235	247	-4.9%	W	W	W
West North Central	25,554	31,284	-18.0%	966	1,041	-7.2%	0	0	--
Iowa	7,415	8,566	-13.0%	145	152	-4.4%	0	0	--
Kansas	3,164	4,251	-26.0%	152	163	-6.7%	0	0	--
Minnesota	2,433	2,861	-15.0%	155	161	-4.2%	0	0	--
Missouri	8,133	9,979	-18.0%	297	321	-7.5%	0	0	--
Nebraska	2,965	3,697	-20.0%	117	129	-9.1%	0	0	--
North Dakota	W	W	W	33	35	-6.9%	0	0	--
South Dakota	W	W	W	68	80	-16.0%	0	0	--
South Atlantic	32,654	35,994	-9.3%	12,626	13,491	-6.4%	W	W	W
Delaware	W	W	W	381	395	-3.6%	0	0	--
District of Columbia	0	0	--	0	W	W	0	0	--
Florida	W	W	W	6,417	7,007	-8.4%	W	W	W
Georgia	8,147	8,777	-7.2%	906	914	-0.9%	0	0	--
Maryland	1,380	1,440	-4.2%	733	768	-4.5%	0	0	--
North Carolina	5,788	6,405	-9.6%	1,077	1,133	-4.9%	0	0	--
South Carolina	5,351	6,338	-16.0%	620	640	-3.1%	0	W	W
Virginia	1,457	2,089	-30.0%	2,348	2,452	-4.2%	0	0	--
West Virginia	5,135	5,708	-10.0%	144	W	W	W	W	W
East South Central	15,998	19,048	-16.0%	1,998	1,934	3.3%	W	W	W
Alabama	4,157	5,954	-30.0%	308	293	5.4%	0	0	--
Kentucky	7,236	7,996	-9.5%	262	255	3.0%	W	W	W
Mississippi	1,507	1,747	-14.0%	567	559	1.4%	0	0	--
Tennessee	3,098	3,350	-7.5%	860	827	3.9%	0	0	--
West South Central	24,091	26,487	-9.0%	2,300	2,479	-7.2%	W	W	W
Arkansas	2,515	3,473	-28.0%	226	167	35.0%	0	0	--
Louisiana	3,570	3,142	14.0%	639	667	-4.2%	W	W	W
Oklahoma	3,568	4,218	-15.0%	105	213	-51.0%	0	0	--
Texas	14,439	15,653	-7.8%	1,330	1,432	-7.1%	W	W	W
Mountain	17,088	20,733	-18.0%	695	704	-1.3%	W	W	W
Arizona	2,921	4,135	-29.0%	205	229	-10.0%	0	0	--
Colorado	3,701	4,154	-11.0%	141	143	-1.1%	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	727	W	W	179	181	-1.0%	0	0	--
New Mexico	W	W	W	60	52	16.0%	0	0	--
Utah	4,424	4,731	-6.5%	51	47	8.6%	0	0	--
Wyoming	3,323	3,996	-17.0%	33	32	2.8%	0	0	--
Pacific Contiguous	W	W	W	366	374	-2.2%	NM	NM	NM
California	40	47	-16.0%	182	201	-9.7%	NM	NM	NM
Oregon	W	W	W	W	W	W	0	0	--
Washington	W	W	W	W	W	W	0	0	--
Pacific Noncontiguous	W	W	W	2,772	2,993	-7.4%	0	0	--
Alaska	W	W	W	234	216	8.6%	0	0	--
Hawaii	W	W	W	2,538	2,777	-8.6%	0	0	--
U.S. Total	153,813	180,648	-15.0%	30,563	31,985	-4.4%	311	358	-13.0%

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Divison, September 2013 and 2012

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	**September 2013**	**September 2012**	**Percentage Change**	**September 2013**	**September 2012**	**September 2013**	**September 2012**
Coal (Thousand Tons)							
New England	1,181	W	W	W	W	W	W
Middle Atlantic	5,508	6,769	-18.6%	W	W	W	W
East North Central	30,147	36,908	-18.3%	23,355	27,623	6,792	9,285
West North Central	25,554	31,284	-18.3%	25,554	31,284	0	0
South Atlantic	32,654	35,994	-9.3%	29,646	32,780	3,008	3,213
East South Central	15,998	19,048	-16.0%	W	19,048	W	0
West South Central	24,091	26,487	-9.0%	14,088	16,008	10,004	10,478
Mountain	17,088	20,733	-17.6%	15,890	19,628	1,198	1,104
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	**153,813**	**180,648**	**-14.9%**	**126,207**	**148,076**	**27,606**	**32,572**
Petroleum Liquids (Thousand Barrels)							
New England	2,712	2,035	33.3%	490	445	2,221	1,590
Middle Atlantic	4,896	5,597	-12.5%	2,094	2,413	2,803	3,184
East North Central	1,233	1,337	-7.8%	W	1,103	W	233
West North Central	966	1,041	-7.2%	939	1,011	27	30
South Atlantic	12,626	13,491	-6.4%	10,412	11,234	2,214	2,257
East South Central	1,998	1,934	3.3%	W	W	W	W
West South Central	2,300	2,479	-7.2%	W	1,892	W	587
Mountain	695	704	-1.3%	W	W	W	W
Pacific Contiguous	366	374	-2.2%	W	318	W	56
Pacific Noncontiguous	2,772	2,993	-7.4%	W	W	W	W
U.S. Total	**30,563**	**31,985**	**-4.4%**	**22,289**	**23,908**	**8,275**	**8,076**
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	108	60	81.6%	W	W	W	W
West North Central	0	0	--	0	0	0	0
South Atlantic	W	W	W	W	W	W	W
East South Central	W	W	W	W	W	0	0
West South Central	W	W	W	W	W	W	W
Mountain	W	W	W	0	0	W	W
Pacific Contiguous	NM	NM	NM	0	0	NM	NM
Pacific Noncontiguous	0	0	--	0	0	0	0
U.S. Total	**311**	**358**	**-12.9%**	**191**	**267**	**121**	**90**

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

Table 3.4. Stocks of Coal by Coal Rank: Electric Power Sector, 2003 - September 2013

	Electric Power Sector			
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks				
2003	57,716	59,884	3,967	121,567
2004	49,022	53,618	4,029	106,669
2005	52,923	44,377	3,836	101,137
2006	67,760	68,408	4,797	140,964
2007	63,964	82,692	4,565	151,221
2008	65,818	91,214	4,556	161,589
2009	91,922	92,448	5,097	189,467
2010	81,108	86,915	6,894	174,917
2011	82,056	85,151	5,179	172,387
2012	87,200	92,861	4,861	184,923
2011, End of Month Stocks				
January	76,100	82,111	6,364	164,575
February	75,549	79,101	6,414	161,064
March	77,414	82,337	6,504	166,255
April	79,734	86,900	6,793	173,427
May	79,250	88,099	6,744	174,093
June	75,011	83,599	6,539	165,149
July	66,549	74,518	6,229	147,296
August	64,584	67,775	6,168	138,527
Sept	66,763	70,804	6,144	143,711
October	74,236	75,766	6,193	156,196
November	79,726	81,302	6,726	167,754
December	82,056	85,151	5,179	172,387
2012, End of Month Stocks				
January	83,710	90,305	5,015	179,030
February	87,411	93,769	4,721	185,901
March	90,379	99,339	4,737	194,455
April	93,459	102,940	4,970	201,368
May	93,830	103,155	5,199	202,184
June	92,246	99,658	5,148	197,052
July	83,802	94,403	4,913	183,119
August	80,877	91,417	4,951	177,246
Sept	82,610	93,242	4,795	180,648
October	86,214	93,729	4,718	184,661
November	87,226	94,666	4,740	186,633
December	87,200	92,861	4,861	184,923
2013, End of Month Stocks				
January	84,807	90,863	4,649	180,318
February	82,933	89,794	4,481	177,208
March	81,271	87,215	4,755	173,241
April	83,313	84,758	5,008	173,078
May	85,035	86,793	6,150	177,977
June	82,248	82,416	6,088	170,751
July	76,202	78,533	5,668	160,403
August	73,903	76,231	5,506	155,640
Sept	73,060	75,259	5,494	153,813

Notes: See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923. and predecessor forms. Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms. Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following:
Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2003 - September 2013

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average 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												
2003	19,989,772	986,026	1.28	26.00	0.97	95.6	980,983	156,338	4.94	31.02	0.83	82.6
2004	20,188,633	1,002,032	1.36	27.42	0.97	95.9	958,046	151,821	5.00	31.58	0.88	81.7
2005	20,647,307	1,021,437	1.54	31.20	0.98	95.9	986,258	157,221	7.59	47.61	0.77	84.7
2006	21,735,101	1,079,943	1.69	34.09	0.97	102.5	406,869	65,002	8.68	54.35	0.73	74.0
2007	21,152,358	1,054,664	1.77	35.48	0.96	98.6	375,260	60,068	9.59	59.93	0.71	62.6
2008	21,280,258	1,069,709	2.07	41.14	0.97	100.5	375,684	61,139	15.52	95.38	0.61	99.6
2009	19,437,966	981,477	2.21	43.74	1.01	102.8	330,043	54,181	10.25	62.47	0.54	104.8
2010	19,289,661	979,918	2.27	44.64	1.16	97.9	275,058	45,472	14.02	84.80	0.51	101.1
2011	18,675,843	956,538	2.39	46.65	1.19	100.0	216,752	36,158	19.94	119.54	0.60	116.1
2012	16,459,166	849,667	2.40	46.58	1.26	100.3	151,815	25,485	21.82	129.99	0.51	101.0
2011												
January	1,608,143	82,379	2.32	45.39	1.17	89.3	22,658	3,777	16.79	100.70	0.66	97.8
February	1,454,404	73,875	2.35	46.29	1.23	97.9	15,830	2,657	17.98	107.13	0.65	108.6
March	1,568,826	80,619	2.34	45.54	1.14	108.2	18,710	3,111	19.48	117.17	0.61	124.8
April	1,466,038	75,032	2.38	46.45	1.16	109.0	17,501	2,907	20.17	121.42	0.44	106.2
May	1,488,896	75,680	2.43	47.81	1.21	100.5	22,348	3,663	19.03	116.10	0.79	142.1
June	1,496,612	76,186	2.40	47.12	1.21	88.7	21,398	3,546	21.43	129.32	0.67	134.2
July	1,529,732	78,057	2.44	47.87	1.20	81.2	17,161	2,880	21.34	127.15	0.50	90.1
August	1,686,433	85,712	2.47	48.56	1.21	91.1	14,448	2,409	19.26	115.53	0.53	93.6
Sept	1,638,224	84,092	2.44	47.44	1.19	107.2	14,745	2,463	20.87	124.97	0.57	116.5
October	1,621,860	83,268	2.39	46.52	1.18	116.8	19,618	3,265	20.99	126.11	0.53	152.2
November	1,545,153	79,934	2.37	45.76	1.18	116.3	17,081	2,898	21.12	124.45	0.54	136.5
December	1,571,522	81,704	2.34	45.06	1.17	108.3	15,253	2,582	21.73	128.38	0.57	115.4
2012												
January	1,509,404	78,597	2.43	46.67	1.20	108.0	15,063	2,523	21.71	129.57	0.52	116.5
February	1,361,534	70,174	2.40	46.53	1.30	108.6	10,834	1,822	22.24	132.26	0.51	102.9
March	1,297,040	66,648	2.41	46.86	1.26	112.7	12,009	1,993	22.11	133.21	0.54	109.6
April	1,186,122	60,281	2.44	48.01	1.32	112.9	10,588	1,785	23.49	139.30	0.54	91.4
May	1,264,178	64,833	2.44	47.54	1.31	100.2	12,000	2,029	22.76	134.57	0.53	95.1
June	1,307,867	67,646	2.38	46.01	1.32	92.2	14,859	2,479	21.84	130.96	0.51	94.1
July	1,416,145	73,473	2.41	46.54	1.21	83.2	15,113	2,519	20.37	122.21	0.50	86.6
August	1,521,653	78,387	2.42	46.99	1.24	92.7	13,466	2,260	20.97	124.94	0.52	101.0
Sept	1,399,185	72,702	2.39	46.04	1.22	102.3	9,982	1,658	21.97	132.25	0.51	90.9
October	1,411,063	72,944	2.38	46.00	1.25	106.5	11,202	1,884	22.48	133.61	0.45	89.5
November	1,401,925	72,397	2.38	46.01	1.27	101.0	11,962	2,016	22.34	132.53	0.49	109.3
December	1,383,049	71,584	2.38	46.00	1.29	95.5	14,738	2,516	20.65	121.00	0.54	136.8
2013												
January	1,290,118	67,121	2.34	44.99	1.24	87.3	10,807	1,799	21.05	125.19	0.50	58.4
February	1,184,981	61,348	2.34	45.24	1.32	89.1	10,776	1,755	21.04	129.33	0.46	86.7
March	1,262,425	64,817	2.35	45.85	1.35	89.8	14,178	2,306	20.16	123.96	0.46	128.0
April	1,202,262	61,218	2.37	46.63	1.36	98.0	6,103	1,020	21.54	128.89	0.51	55.3
May	1,298,233	66,427	2.37	46.33	1.32	100.1	8,534	1,406	20.71	125.68	0.50	70.6
June	1,291,195	66,615	2.36	45.73	1.26	86.8	6,973	1,164	20.97	125.63	0.50	62.0
July	1,356,838	70,939	2.32	44.30	1.20	83.4	10,653	1,765	20.51	123.78	0.48	61.2
August	1,435,194	74,484	2.33	44.87	1.27	89.1	11,927	1,951	19.70	120.47	0.44	97.6
Sept	1,331,715	68,839	2.35	45.37	1.29	92.6	9,628	1,583	20.15	122.60	0.38	87.7
Year to Date												
2011	13,937,308	711,632	2.40	46.95	1.19	96.0	164,800	27,412	19.53	117.41	0.61	111.2
2012	12,263,129	632,742	2.41	46.77	1.26	100.1	113,914	19,068	21.85	130.54	0.52	98.1
2013	11,652,962	601,807	2.35	45.45	1.29	90.3	89,579	14,749	20.56	124.91	0.46	76.4
Rolling 12 Months Ending in September												
2012	17,001,665	877,648	2.40	46.50	1.24	103.6	165,866	27,813	21.66	129.19	0.53	107.2
2013	15,848,999	818,732	2.36	45.60	1.28	92.9	127,481	21,165	20.91	125.84	0.48	84.3

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 2011 and prior years are final. Values for 2012 and 2013 are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2003 - September 2013 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average 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	(Dollars per MMBtu)
Annual Totals												
2003	165,378	5,846	0.72	20.39	5.31	82.7	5,663,023	5,500,704	5.39	5.55	86.8	2.28
2004	196,606	6,967	0.83	23.48	5.08	79.9	5,890,750	5,734,054	5.96	6.12	85.2	2.48
2005	211,776	7,502	1.11	31.35	5.15	82.3	6,356,868	6,181,717	8.21	8.44	88.1	3.25
2006	203,270	7,193	1.33	37.46	5.15	83.4	6,855,680	6,675,246	6.94	7.13	90.2	3.02
2007	161,091	5,656	1.51	43.02	5.07	77.5	7,396,233	7,200,316	7.11	7.30	90.4	3.23
2008	199,724	7,040	2.11	59.72	4.98	111.5	8,089,467	7,879,046	9.01	9.26	102.5	4.12
2009	197,921	6,954	1.61	45.89	4.63	119.3	8,319,329	8,118,550	4.74	4.86	102.3	3.04
2010	169,508	5,963	2.28	64.85	4.79	98.5	8,867,396	8,673,070	5.09	5.20	102.0	3.26
2011	171,100	5,980	3.03	86.78	5.01	98.2	9,250,652	9,056,164	4.72	4.83	103.8	3.29
2012	139,210	4,858	2.54	72.79	5.43	101.0	10,872,094	10,631,822	3.40	3.48	102.5	2.90
2011												
January	12,896	454	3.13	88.98	5.00	70.4	680,054	665,974	5.39	5.50	104.6	3.37
February	11,527	403	2.84	81.35	5.04	77.4	609,064	595,778	5.09	5.20	104.5	3.27
March	12,293	426	3.09	89.22	4.93	70.8	606,123	593,446	4.64	4.73	104.2	3.12
April	12,668	442	3.20	91.85	4.64	103.3	650,493	637,322	4.86	4.96	104.5	3.28
May	13,128	459	3.31	94.62	4.73	101.5	706,626	692,561	4.89	4.98	104.0	3.38
June	13,265	461	2.78	79.94	5.01	88.6	837,715	820,788	5.04	5.15	103.4	3.51
July	17,899	622	3.30	94.84	4.84	103.9	1,093,652	1,070,256	4.98	5.08	102.4	3.61
August	16,950	592	3.08	88.16	5.15	108.6	1,085,691	1,062,490	4.73	4.83	103.2	3.43
Sept	16,087	562	2.93	83.88	5.13	103.2	833,540	814,910	4.56	4.66	104.2	3.25
October	15,481	541	3.32	94.90	5.12	126.3	710,451	695,275	4.33	4.43	104.4	3.13
November	13,235	464	2.58	73.69	5.26	134.6	676,984	662,933	4.10	4.19	104.3	3.03
December	15,672	554	2.74	77.61	5.14	120.4	760,258	744,430	4.04	4.12	103.7	3.02
2012												
January	13,403	471	2.71	77.10	5.18	83.9	793,143	776,898	3.67	3.75	102.9	2.98
February	10,381	359	2.57	74.14	5.31	80.0	781,762	765,061	3.32	3.39	102.6	2.83
March	11,903	417	2.43	69.44	5.61	115.9	811,545	794,248	2.96	3.03	102.5	2.73
April	10,386	362	2.64	75.81	5.36	114.3	862,401	841,659	2.68	2.75	103.4	2.65
May	9,505	333	2.68	76.63	5.57	93.8	960,458	940,516	2.90	2.97	102.5	2.75
June	11,735	404	2.73	79.35	5.08	110.8	1,033,425	1,010,287	3.08	3.16	102.4	2.81
July	8,808	307	2.93	84.15	5.61	79.7	1,254,234	1,225,606	3.41	3.49	101.9	2.98
August	9,706	338	2.51	71.98	5.17	82.0	1,158,219	1,133,046	3.48	3.56	101.8	2.97
Sept	14,700	513	2.43	69.83	5.32	126.3	953,050	931,793	3.38	3.46	102.6	2.87
October	11,282	394	2.07	59.11	5.67	104.1	815,864	797,656	3.81	3.90	103.1	3.00
November	12,289	430	2.46	70.45	5.62	106.2	711,110	695,245	4.23	4.32	101.9	3.10
December	15,110	530	2.46	70.09	5.69	126.8	736,884	719,806	4.20	4.30	103.4	3.13
2013												
January	9,901	348	2.46	69.98	5.64	68.9	674,813	658,796	4.38	4.48	89.1	3.10
February	9,560	336	2.50	71.27	5.42	79.6	605,530	591,383	4.39	4.50	89.0	3.10
March	8,081	284	2.59	73.77	5.50	61.4	646,658	630,783	4.30	4.40	89.1	3.10
April	11,010	387	2.61	74.26	5.37	89.5	606,640	591,634	4.67	4.79	89.6	3.16
May	11,519	403	2.32	66.15	5.39	75.8	662,769	645,542	4.62	4.75	90.2	3.16
June	11,292	398	2.39	67.99	5.09	73.0	780,464	760,598	4.42	4.54	91.0	3.15
July	11,964	418	2.27	64.99	5.46	75.5	942,363	916,789	4.19	4.31	90.5	3.12
August	10,669	372	2.23	64.10	5.40	65.5	936,173	912,711	3.90	4.00	90.6	2.99
Sept	12,082	422	2.15	61.43	5.39	92.6	788,248	770,934	4.08	4.17	90.7	3.02
Year to Date												
2011	126,712	4,421	3.08	88.30	4.95	91.0	7,102,959	6,953,525	4.90	5.00	103.7	3.37
2012	100,528	3,504	2.61	75.03	5.34	97.1	8,608,237	8,419,115	3.22	3.29	102.5	2.85
2013	96,078	3,367	2.38	67.99	5.40	75.2	6,643,656	6,479,169	4.30	4.41	90.1	3.10
Rolling 12 Months Ending in September												
2012	144,916	5,062	2.70	77.31	5.29	104.5	10,755,930	10,521,754	3.41	3.49	102.8	--
2013	134,760	4,721	2.37	67.63	5.48	83.2	8,907,513	8,691,876	4.24	4.35	93.0	--

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NM = Not meaningful due to large relative standard error or excessive percentage change.
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Notes:
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See Glossary for definitions.
Values for 2011 and prior years are final. Values for 2012 and 2013 are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

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

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average 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												
2003	15,292,394	746,594	1.26	25.82	0.91	98.6	605,651	95,534	4.68	29.66	0.95	90.7
2004	15,440,681	758,557	1.34	27.30	0.91	98.2	592,478	93,034	4.80	30.57	1.01	89.6
2005	15,836,924	775,890	1.53	31.22	0.94	101.9	566,320	89,303	7.17	45.46	0.89	90.9
2006	16,197,852	797,361	1.69	34.26	0.92	105.8	269,033	42,415	8.33	52.80	0.82	79.2
2007	15,561,395	767,377	1.78	36.06	0.92	100.3	216,349	34,026	9.24	58.73	0.77	59.8
2008	15,347,396	764,399	2.06	41.32	0.93	100.5	240,937	38,891	15.83	98.09	0.60	99.7
2009	14,402,019	719,253	2.22	44.47	0.99	103.4	202,598	32,959	10.44	64.18	0.51	103.5
2010	14,226,995	713,094	2.27	45.33	1.14	98.8	189,790	31,099	13.94	85.07	0.48	101.0
2011	13,871,559	699,353	2.40	47.67	1.16	101.5	144,255	23,859	20.30	122.72	0.53	114.5
2012	11,862,008	605,205	2.43	47.59	1.19	98.2	101,765	16,977	22.22	133.21	0.45	95.6
2011												
January	1,181,833	59,577	2.34	46.34	1.15	90.2	14,279	2,372	16.98	102.20	0.53	107.5
February	1,078,032	54,003	2.36	47.10	1.20	99.2	9,943	1,659	18.27	109.47	0.47	104.4
March	1,163,288	58,858	2.35	46.35	1.12	108.8	13,842	2,284	19.55	118.45	0.52	131.5
April	1,093,579	55,135	2.39	47.33	1.14	111.5	11,543	1,898	20.30	123.47	0.40	90.8
May	1,100,898	55,254	2.44	48.70	1.16	100.5	16,158	2,618	19.03	117.46	0.75	138.8
June	1,123,670	56,315	2.39	47.78	1.20	89.8	15,427	2,528	21.88	133.55	0.66	144.9
July	1,135,869	56,951	2.45	48.91	1.18	81.4	9,455	1,569	21.86	131.77	0.47	82.3
August	1,252,336	62,531	2.49	49.81	1.18	91.8	9,575	1,579	20.63	125.10	0.43	90.3
Sept	1,217,947	61,325	2.46	48.78	1.17	109.8	10,186	1,683	20.94	126.69	0.49	118.0
October	1,200,982	60,696	2.41	47.77	1.14	119.9	13,068	2,171	21.63	130.21	0.48	146.6
November	1,145,469	58,329	2.39	46.88	1.15	119.3	11,052	1,853	21.75	129.72	0.48	124.5
December	1,177,657	60,381	2.37	46.18	1.14	111.5	9,729	1,645	21.94	129.73	0.48	106.9
2012												
January	1,071,237	55,226	2.39	46.43	1.13	105.3	9,820	1,644	21.83	130.44	0.46	110.6
February	984,158	50,342	2.41	47.15	1.22	107.3	7,252	1,218	22.37	133.21	0.44	96.4
March	951,580	48,567	2.44	47.85	1.21	111.9	9,055	1,494	22.99	139.37	0.45	112.3
April	864,158	43,369	2.50	49.77	1.29	108.5	7,261	1,221	23.94	142.34	0.49	85.8
May	918,103	46,411	2.47	48.87	1.26	98.8	7,559	1,279	23.34	137.95	0.48	87.1
June	942,668	48,073	2.42	47.47	1.21	89.4	10,360	1,717	22.37	134.98	0.48	96.7
July	1,039,588	53,081	2.44	47.75	1.16	82.3	10,626	1,756	20.68	125.20	0.44	86.0
August	1,107,673	56,337	2.44	48.04	1.15	91.4	8,974	1,497	21.26	127.42	0.44	93.4
Sept	1,000,036	51,262	2.43	47.44	1.14	99.3	7,039	1,157	22.01	133.88	0.42	88.6
October	1,005,392	51,322	2.41	47.18	1.18	104.1	7,745	1,291	22.52	135.11	0.39	86.6
November	988,770	50,443	2.40	47.01	1.19	98.1	7,275	1,227	22.80	135.25	0.44	97.1
December	988,646	50,773	2.40	46.65	1.20	93.1	8,798	1,478	21.47	127.81	0.46	112.8
2013												
January	956,681	49,188	2.38	46.20	1.18	88.1	7,473	1,240	21.07	125.02	0.41	70.2
February	889,756	45,482	2.39	46.69	1.27	92.5	6,210	1,007	21.33	131.52	0.40	82.4
March	939,157	47,831	2.38	46.67	1.27	91.7	9,920	1,607	20.43	126.12	0.45	124.1
April	895,095	45,280	2.41	47.68	1.28	99.2	3,826	638	21.99	131.95	0.45	49.3
May	949,191	48,260	2.41	47.32	1.24	99.7	5,936	974	20.89	127.40	0.47	70.6
June	955,992	48,746	2.39	46.91	1.21	86.9	4,697	784	21.30	127.70	0.43	60.7
July	1,014,184	52,255	2.34	45.50	1.17	84.8	7,139	1,182	20.82	125.77	0.44	63.6
August	1,060,313	54,366	2.37	46.21	1.21	88.3	8,381	1,353	19.78	122.53	0.45	93.2
Sept	964,553	49,265	2.38	46.62	1.22	92.3	4,862	792	21.66	132.99	0.34	66.3
Year to Date												
2011	10,347,452	519,947	2.41	47.92	1.17	97.1	110,406	18,191	19.85	120.48	0.54	111.4
2012	8,879,200	452,667	2.44	47.81	1.19	98.2	77,947	12,982	22.22	133.44	0.46	94.8
2013	8,624,921	440,673	2.38	46.62	1.23	91.1	58,444	9,575	20.88	127.47	0.43	75.1
Rolling 12 Months Ending in September												
2012	12,403,307	632,073	2.42	47.57	1.18	102.8	111,796	18,651	22.08	132.36	0.46	102.5
2013	11,607,729	593,211	2.39	46.70	1.22	92.8	82,262	13,570	21.27	128.75	0.43	80.7

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See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2003 - September 2013 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average 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	(Dollars per MMBtu)
Annual Totals												
2003	89,618	3,165	0.74	20.94	5.51	124.0	1,486,088	1,439,513	5.59	5.77	81.6	1.74
2004	107,985	3,817	0.89	25.15	5.10	92.0	1,542,746	1,499,933	6.15	6.33	82.9	1.87
2005	102,450	3,632	1.29	36.31	5.16	87.9	1,835,221	1,780,721	8.32	8.57	83.4	2.38
2006	99,471	3,516	1.49	42.21	5.11	97.2	2,222,289	2,163,113	7.36	7.56	87.3	2.45
2007	84,812	2,964	1.73	49.57	5.09	105.6	2,378,104	2,315,637	7.47	7.67	84.6	2.61
2008	80,987	2,843	2.13	60.51	5.36	123.8	2,856,354	2,784,642	9.15	9.39	102.0	3.33
2009	109,126	3,833	1.68	47.84	5.02	138.8	3,033,133	2,962,640	5.50	5.63	101.8	2.87
2010	103,152	3,628	2.38	67.65	5.03	109.1	3,395,962	3,327,919	5.43	5.54	101.1	2.99
2011	99,208	3,445	3.08	88.73	5.17	99.9	3,571,348	3,507,613	5.00	5.09	101.8	3.08
2012	70,075	2,432	2.20	63.52	5.19	115.1	4,256,764	4,173,998	3.72	3.79	101.4	2.89
2011												
January	8,049	282	3.35	95.62	5.29	70.5	250,362	245,767	5.49	5.59	103.0	3.03
February	7,252	252	3.02	87.15	5.43	85.3	219,131	214,884	5.34	5.45	102.9	2.98
March	7,009	241	3.32	96.60	5.70	70.2	224,855	220,793	4.95	5.04	101.5	2.93
April	7,274	252	3.52	101.68	5.20	115.4	255,479	251,362	5.19	5.27	103.1	3.07
May	7,519	261	3.57	102.83	5.01	112.7	278,209	273,629	5.17	5.25	101.8	3.18
June	8,072	278	2.85	82.53	5.08	92.2	341,274	335,202	5.28	5.37	101.5	3.26
July	10,742	374	3.41	98.06	4.79	104.0	443,001	434,122	5.11	5.22	100.9	3.31
August	10,040	349	3.18	91.43	5.26	105.9	434,451	425,557	4.97	5.07	101.1	3.22
Sept	9,822	341	2.94	84.64	5.14	102.3	316,215	311,382	4.89	4.97	101.5	3.08
October	8,352	289	3.23	93.48	5.11	126.2	275,463	270,541	4.71	4.80	101.4	3.01
November	7,303	253	2.11	60.87	5.15	163.4	250,718	246,675	4.50	4.57	101.8	2.91
December	7,774	273	2.34	66.68	5.09	108.4	282,188	277,700	4.40	4.47	102.5	2.88
2012												
January	6,132	214	2.20	63.20	4.81	71.9	290,015	285,394	4.04	4.10	100.8	2.88
February	5,195	179	2.09	60.77	5.19	77.8	284,558	279,812	3.71	3.77	101.7	2.81
March	5,557	194	1.93	55.37	5.76	181.7	305,709	300,446	3.37	3.43	101.4	2.81
April	4,870	169	1.98	57.09	5.08	140.6	337,428	328,913	3.10	3.18	101.7	2.79
May	3,840	133	2.03	58.69	5.42	88.8	392,902	385,135	3.25	3.31	101.6	2.82
June	5,504	188	2.40	70.40	4.55	110.8	419,741	411,327	3.40	3.47	101.0	2.87
July	3,695	127	2.64	76.56	5.44	70.0	518,204	507,149	3.62	3.70	101.1	2.95
August	5,434	188	2.62	75.86	4.60	110.5	464,442	455,029	3.79	3.87	101.2	2.94
Sept	8,450	294	2.50	71.95	4.89	156.6	373,691	366,571	3.72	3.80	101.2	2.88
October	7,203	251	2.07	59.25	5.53	161.4	317,850	312,024	4.16	4.24	101.9	2.94
November	6,304	221	2.00	57.04	5.51	126.3	270,992	265,923	4.49	4.58	101.4	2.96
December	7,891	276	2.05	58.55	5.55	162.2	281,232	276,274	4.47	4.55	102.6	2.98
2013												
January	6,816	237	1.97	56.67	5.52	93.7	285,185	279,321	4.37	4.47	97.9	2.93
February	7,272	254	2.05	58.54	5.32	115.4	257,588	252,611	4.31	4.39	97.6	2.91
March	5,449	190	2.00	57.27	5.37	80.5	277,941	271,949	4.47	4.57	97.7	2.99
April	8,309	291	2.23	63.79	5.23	133.8	254,221	248,814	4.90	5.00	97.4	3.02
May	8,610	301	2.28	65.22	5.28	83.5	284,671	277,902	4.84	4.96	97.9	3.04
June	8,302	291	2.36	67.19	4.88	83.7	343,724	336,028	4.65	4.76	96.6	3.05
July	9,006	314	2.25	64.47	5.35	93.2	403,783	393,380	4.38	4.50	95.0	3.00
August	7,910	274	2.15	62.01	5.24	82.6	415,599	406,035	4.15	4.25	95.2	2.96
Sept	10,687	373	2.09	59.92	5.32	141.0	343,556	335,827	4.36	4.46	96.2	2.96
Year to Date												
2011	75,780	2,630	3.23	93.18	5.18	93.5	2,762,979	2,712,697	5.14	5.23	101.8	3.12
2012	48,677	1,684	2.28	65.82	5.04	104.5	3,386,690	3,319,777	3.55	3.62	101.3	2.87
2013	72,361	2,525	2.16	61.98	5.27	98.3	2,866,268	2,801,868	4.47	4.57	96.7	2.98
Rolling 12 Months Ending in September												
2012	72,106	2,499	2.38	68.61	5.07	111.2	4,195,059	4,114,693	3.74	3.82	101.4	--
2013	93,759	3,273	2.14	61.15	5.33	106.6	3,736,342	3,656,088	4.44	4.54	97.8	--

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

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

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

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average 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												
2003	4,365,996	223,984	1.34	26.20	1.15	90.4	347,546	56,138	5.41	33.50	0.58	89.7
2004	4,410,775	227,700	1.41	27.27	1.13	93.3	337,011	54,152	5.35	33.31	0.61	93.6
2005	4,459,333	229,071	1.56	30.39	1.10	83.0	381,871	61,753	8.30	51.34	0.54	97.2
2006	5,204,402	266,856	1.69	33.04	1.09	97.7	117,524	19,236	9.65	58.98	0.45	104.9
2007	5,275,454	273,216	1.71	33.11	1.06	97.5	125,025	20,486	10.49	64.01	0.45	85.0
2008	5,395,142	281,258	2.03	38.98	1.04	100.4	82,124	13,657	16.30	98.03	0.41	94.4
2009	4,563,080	240,687	2.11	39.94	1.06	101.1	68,030	11,408	10.02	59.76	0.37	102.0
2010	4,555,898	243,585	2.20	41.15	1.21	96.0	49,598	8,420	14.80	87.19	0.35	89.9
2011	4,292,284	233,295	2.28	41.95	1.25	95.9	41,599	7,096	20.30	119.01	0.50	106.9
2012	4,137,034	222,814	2.27	42.17	1.44	107.0	28,606	4,914	22.26	129.62	0.46	99.1
2011												
January	381,239	20,717	2.23	40.96	1.20	86.5	4,653	783	17.44	103.58	0.56	71.2
February	336,384	18,030	2.26	42.18	1.29	94.7	3,276	560	18.64	108.99	0.77	118.7
March	363,257	19,787	2.26	41.58	1.19	107.9	2,270	392	21.18	122.73	0.55	92.1
April	330,831	17,944	2.28	42.03	1.21	102.6	3,235	550	21.43	126.18	0.27	144.8
May	348,283	18,569	2.32	43.58	1.33	101.0	2,752	466	21.66	127.89	0.59	108.5
June	330,390	17,898	2.34	43.25	1.23	84.4	3,232	553	20.81	121.69	0.48	87.0
July	351,423	19,120	2.35	43.14	1.24	79.4	5,604	955	21.18	124.33	0.40	91.4
August	386,958	20,994	2.34	43.11	1.26	87.9	2,883	497	16.66	96.71	0.49	86.7
Sept	377,183	20,755	2.31	42.04	1.25	100.2	2,674	462	22.29	129.10	0.53	107.1
October	379,229	20,611	2.25	41.35	1.27	109.6	3,946	655	20.28	122.12	0.52	178.5
November	357,960	19,649	2.24	40.77	1.24	108.9	3,617	635	20.57	117.22	0.44	175.8
December	349,148	19,221	2.18	39.64	1.23	100.0	3,457	589	22.35	131.11	0.47	140.6
2012												
January	395,909	21,374	2.47	45.69	1.35	117.1	3,281	553	22.44	133.05	0.41	129.6
February	341,535	18,131	2.30	43.41	1.49	114.5	2,052	350	23.38	137.28	0.45	115.8
March	308,388	16,328	2.23	42.12	1.41	117.5	1,255	214	23.38	137.18	0.57	79.5
April	285,836	15,226	2.19	41.10	1.39	129.2	1,673	288	24.29	141.28	0.48	97.4
May	309,477	16,715	2.27	41.99	1.42	105.1	2,294	393	23.23	135.75	0.44	83.8
June	328,369	17,858	2.19	40.28	1.59	100.1	2,945	501	21.41	125.93	0.45	81.0
July	337,466	18,544	2.28	41.44	1.34	84.5	2,719	466	20.63	120.35	0.51	71.5
August	371,102	20,042	2.29	42.41	1.46	95.4	2,170	375	21.92	126.67	0.44	85.0
Sept	360,763	19,635	2.22	40.78	1.44	110.9	1,790	309	22.99	133.15	0.47	90.2
October	366,972	19,797	2.23	41.37	1.44	114.6	2,177	376	23.20	134.14	0.46	97.9
November	375,180	20,159	2.26	42.07	1.47	109.8	2,794	473	22.86	134.92	0.42	115.9
December	356,038	19,006	2.28	42.70	1.53	103.0	3,456	616	20.20	113.42	0.49	175.3
2013												
January	317,040	17,204	2.20	40.45	1.42	90.0	3,048	512	21.27	126.99	0.54	50.0
February	280,272	15,207	2.16	39.84	1.50	84.9	4,368	716	20.75	126.99	0.51	120.6
March	306,254	16,226	2.25	42.38	1.58	89.1	4,003	658	19.62	119.28	0.41	202.1
April	291,480	15,251	2.22	42.45	1.61	100.4	2,068	349	W	W	0.44	99.6
May	331,410	17,388	2.23	42.45	1.54	106.8	2,398	401	20.47	122.55	0.43	100.2
June	319,506	17,178	2.22	41.35	1.41	90.4	2,041	343	20.50	122.16	0.43	83.1
July	325,945	17,938	2.19	39.83	1.28	82.7	3,347	557	20.01	120.25	0.46	68.3
August	358,153	19,383	2.17	40.08	1.42	95.0	3,431	579	19.52	115.72	0.39	157.9
Sept	350,561	18,838	2.20	41.01	1.48	97.4	4,695	779	18.62	112.22	0.40	170.4
Year to Date												
2011	3,205,948	173,813	2.30	42.41	1.24	92.9	30,579	5,217	20.04	117.47	0.51	95.0
2012	3,038,844	163,853	2.28	42.22	1.43	106.3	20,178	3,448	22.44	131.29	0.46	90.4
2013	2,880,622	154,613	2.20	41.06	1.47	92.5	29,401	4,893	20.04	120.53	0.44	103.1
Rolling 12 Months Ending in September												
2012	4,125,180	223,335	2.26	41.79	1.38	106.2	31,199	5,328	21.94	128.47	0.47	107.3
2013	3,978,812	213,574	2.22	41.33	1.47	96.5	37,828	6,358	W	W	0.45	108.0

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

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

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

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average 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	(Dollars per MMBtu)
Annual Totals												
2003	59,377	2,086	0.60	17.16	4.88	64.3	3,335,086	3,244,368	5.33	5.48	96.2	3.15
2004	73,745	2,609	0.72	20.30	4.95	81.0	3,491,942	3,403,474	5.86	6.01	93.1	3.43
2005	92,706	3,277	0.90	25.42	5.09	82.9	3,675,165	3,578,722	8.20	8.42	95.8	4.69
2006	85,924	3,031	1.07	30.34	5.13	87.1	3,742,865	3,647,102	6.66	6.84	97.4	3.82
2007	56,580	1,994	1.02	28.95	4.88	69.3	4,097,825	3,990,546	6.92	7.11	97.2	4.06
2008	79,122	2,788	1.47	41.85	4.63	98.8	4,061,830	3,956,155	8.93	9.17	100.5	5.07
2009	49,619	1,732	1.31	37.63	3.87	93.6	4,087,573	3,987,721	4.30	4.41	100.7	3.18
2010	30,079	1,050	1.74	49.80	3.84	72.3	4,212,611	4,119,103	4.94	5.05	100.6	3.57
2011	33,643	1,175	2.54	72.85	4.55	84.6	4,252,040	4,158,617	4.62	4.72	100.8	3.52
2012	26,597	926	3.14	90.22	5.38	111.9	5,160,058	5,037,420	3.22	3.30	100.3	2.86
2011												
January	1,730	60	W	W	4.24	46.8	309,865	303,301	5.59	5.71	100.7	W
February	1,809	64	W	W	4.21	52.2	283,811	277,469	5.06	5.17	100.9	W
March	2,563	89	W	W	3.37	54.8	271,713	265,931	4.57	4.67	100.6	W
April	3,046	106	2.36	67.43	3.57	103.0	284,857	278,599	4.71	4.82	100.4	3.49
May	3,339	116	2.44	70.04	4.01	103.9	312,436	305,861	4.75	4.85	100.9	3.54
June	2,623	92	1.99	56.95	4.81	78.6	379,462	371,553	4.95	5.05	100.7	3.80
July	3,119	107	2.39	69.60	4.60	75.3	520,203	508,834	4.94	5.05	100.1	4.00
August	3,166	110	W	W	4.84	90.6	515,581	504,743	4.57	4.67	100.9	W
Sept	2,511	88	W	W	4.87	83.4	391,415	382,298	4.39	4.49	101.3	W
October	3,603	126	W	W	5.08	139.5	320,549	313,229	4.12	4.22	101.6	W
November	2,652	94	W	W	5.52	108.9	308,988	301,865	3.92	4.01	100.5	W
December	3,483	123	W	W	5.08	125.6	353,160	344,934	3.86	3.95	100.6	W
2012												
January	3,243	114	W	W	5.40	119.3	376,574	368,088	3.50	3.58	100.8	W
February	2,701	94	W	W	5.18	108.2	379,546	370,578	3.13	3.21	99.5	W
March	2,988	104	W	W	5.33	120.0	387,419	378,379	2.73	2.79	99.4	W
April	1,982	69	W	W	5.46	165.3	408,056	398,841	2.41	2.46	100.7	W
May	1,978	68	W	W	5.65	120.0	449,118	438,865	2.71	2.78	100.2	W
June	2,703	93	3.32	96.41	5.18	181.5	491,373	479,802	2.90	2.97	100.5	2.68
July	2,507	88	3.46	98.73	5.41	137.2	607,765	593,781	3.31	3.38	100.3	2.99
August	1,149	40	1.79	51.74	5.37	46.2	570,234	556,749	3.29	3.37	99.9	2.94
Sept	1,924	67	1.85	53.44	5.42	96.1	461,763	450,531	3.21	3.29	101.3	2.82
October	991	34	1.32	38.14	5.29	52.1	378,484	368,999	3.66	3.75	101.0	3.01
November	1,980	69	W	W	5.36	120.3	322,250	314,249	4.18	4.28	99.6	W
December	2,451	85	W	W	5.58	130.1	327,475	318,558	4.09	4.21	100.7	W
2013												
January	1,444	52	W	W	5.37	65.3	327,948	319,357	4.54	4.66	92.8	W
February	1,424	51	W	W	5.39	71.7	288,756	281,339	4.68	4.80	91.5	W
March	1,474	53	W	W	5.36	68.3	305,651	297,974	4.33	4.44	92.0	W
April	1,507	54	W	W	5.44	73.8	294,213	286,246	4.56	4.68	93.0	W
May	1,628	57	W	W	5.43	113.5	315,860	307,084	4.47	4.60	92.8	W
June	1,541	54	W	W	5.43	79.3	372,501	362,228	4.22	4.34	93.4	W
July	1,543	54	W	W	5.37	66.1	474,871	461,562	4.07	4.18	93.7	W
August	951	34	W	W	5.36	32.7	456,034	443,930	3.66	3.76	93.9	W
Sept	118	4	W	W	5.22	6.0	384,536	376,720	3.84	3.91	94.0	W
Year to Date												
2011	23,905	832	2.24	64.44	4.28	74.7	3,269,343	3,198,589	4.82	4.93	100.7	3.64
2012	21,174	737	3.16	90.85	5.36	115.4	4,131,849	4,035,614	3.04	3.11	100.3	2.77
2013	11,629	413	W	W	5.39	61.4	3,220,371	3,136,439	4.22	4.33	93.1	W
Rolling 12 Months Ending in September												
2012	30,912	1,080	W	W	5.31	118.3	5,114,546	4,995,642	3.22	3.29	100.4	W
2013	17,051	602	W	W	5.41	69.8	4,248,580	4,138,245	4.15	4.26	94.8	W

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

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average 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												
2003	8,835	372	1.99	47.24	2.43	20.5	248	43	7.00	40.82	0.04	3.1
2004	10,682	451	2.08	49.32	2.48	23.5	3,066	527	6.19	35.96	0.20	26.9
2005	11,081	464	2.57	61.21	2.43	24.2	1,684	289	8.28	48.22	0.17	18.3
2006	12,207	518	2.63	61.95	2.51	27.5	798	137	13.50	78.70	0.17	15.5
2007	12,419	531	2.67	62.46	2.58	27.6	249	43	14.04	81.93	0.17	6.2
2008	43,997	2,009	2.65	58.12	1.73	99.4	3,800	633	17.84	107.10	0.37	102.0
2009	41,182	1,876	2.90	63.68	1.67	104.3	3,517	583	10.82	65.26	0.45	122.1
2010	37,778	1,747	2.82	61.06	1.77	101.6	2,395	400	15.24	91.25	0.38	106.3
2011	35,892	1,686	2.92	62.24	1.78	101.1	1,959	325	19.67	118.66	0.55	108.0
2012	30,706	1,470	2.78	58.14	1.86	94.9	1,985	335	21.71	128.81	0.50	140.3
2011												
January	3,297	155	2.80	59.41	1.84	82.3	NM	NM	NM	NM	0.62	49.1
February	3,289	154	2.88	61.47	1.79	88.9	NM	NM	NM	NM	0.63	104.3
March	3,388	161	2.79	58.87	1.74	97.7	NM	NM	NM	NM	0.55	165.7
April	2,649	126	2.79	58.65	1.92	101.9	NM	NM	NM	NM	0.30	160.4
May	2,730	127	3.08	66.22	1.75	102.4	NM	NM	NM	NM	0.72	127.4
June	3,222	147	3.16	68.99	1.79	113.1	NM	NM	NM	NM	0.65	215.3
July	2,954	137	3.04	65.63	1.90	94.3	NM	NM	NM	NM	0.43	171.7
August	2,881	132	3.12	68.18	1.88	101.9	NM	NM	NM	NM	0.51	126.1
Sept	2,710	126	3.01	64.84	1.80	102.8	NM	NM	NM	NM	0.53	71.7
October	2,789	136	2.74	56.21	1.56	123.7	NM	NM	NM	NM	0.52	225.0
November	2,922	140	2.82	58.95	1.72	119.0	NM	NM	NM	NM	0.52	101.0
December	3,061	145	2.87	60.55	1.71	104.4	NM	NM	NM	NM	0.51	163.2
2012												
January	2,978	143	2.80	58.33	1.79	88.2	NM	NM	21.55	129.06	0.50	106.2
February	2,576	125	2.69	55.65	1.80	88.2	NM	NM	22.45	133.84	0.50	115.0
March	2,695	132	2.72	55.65	1.73	97.7	NM	NM	NM	NM	0.50	77.4
April	2,537	121	2.95	61.89	1.64	105.1	461	78	21.60	127.42	0.50	494.5
May	NM	NM	NM	NM	1.87	94.6	NM	NM	22.65	134.28	0.51	327.9
June	2,500	118	2.89	61.39	2.03	103.1	NM	NM	20.67	121.71	0.51	86.5
July	2,450	117	2.81	58.75	1.87	99.1	NM	NM	NM	NM	0.49	69.2
August	2,656	124	2.93	62.73	2.10	98.3	NM	NM	21.85	129.18	0.50	108.1
Sept	2,453	118	2.73	56.63	1.83	102.0	NM	NM	22.66	134.24	0.49	77.7
October	2,068	99	2.72	56.58	1.86	86.7	120	20	23.08	135.32	0.47	99.8
November	2,591	124	2.64	55.11	1.83	92.4	NM	NM	NM	NM	0.50	113.8
December	2,795	135	2.63	54.39	1.91	89.3	NM	NM	NM	NM	0.55	157.4
2013												
January	390	17	W	W	2.99	10.9	0	0	--	--	--	0.0
February	394	17	W	W	3.07	11.6	0	0	--	--	--	0.0
March	489	21	W	W	2.74	15.0	0	0	--	--	--	0.0
April	241	10	W	W	3.04	9.1	0	0	--	--	--	0.0
May	383	17	W	W	2.96	13.9	0	0	--	--	--	0.0
June	355	16	W	W	2.91	13.9	0	0	--	--	--	0.0
July	209	9	W	W	3.41	8.1	0	0	--	--	--	0.0
August	386	17	W	W	2.82	14.9	0	0	--	--	--	0.0
Sept	143	6	W	W	3.37	5.8	0	0	--	--	--	0.0
Year to Date												
2011	27,121	1,265	2.96	63.44	1.82	97.2	1,507	249	19.20	116.03	0.56	99.5
2012	23,251	1,111	2.82	59.07	1.85	96.8	1,594	269	21.67	128.54	0.50	146.0
2013	2,989	129	W	W	2.98	11.6	0	0	--	--	--	0.0
Rolling 12 Months Ending in September												
2012	NM	NM	NM	NM	1.80	101.2	NM	NM	NM	NM	0.51	147.0
2013	10,444	487	W	W	2.16	32.2	NM	NM	NM	NM	0.51	25.2

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

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

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2003 - September 2013 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average 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	(Dollars per MMBtu)
Annual Totals												
2003	0	0	--	--	--	0.0	18,169	17,827	4.96	5.06	30.5	4.02
2004	0	0	--	--	--	0.0	16,176	15,804	5.93	6.07	21.9	4.58
2005	0	0	--	--	--	0.0	17,600	17,142	8.38	8.60	25.2	6.25
2006	0	0	--	--	--	0.0	21,369	20,819	8.33	8.55	30.7	6.42
2007	0	0	--	--	--	0.0	23,502	22,955	7.99	8.18	32.8	6.20
2008	370	14	2.14	58.36	5.53	135.3	71,670	69,877	9.01	9.24	105.5	6.94
2009	252	9	1.65	46.54	5.11	102.8	81,134	79,308	5.18	5.30	105.0	4.58
2010	410	15	2.19	60.59	5.67	122.5	92,055	90,130	5.39	5.51	105.1	4.83
2011	268	9	W	W	5.46	147.4	95,287	93,306	5.20	5.31	107.2	W
2012	363	13	W	W	5.61	100.3	100,769	98,515	3.91	4.00	104.9	W
2011												
January	42	1	W	W	5.16	98.3	NM	NM	6.00	6.13	107.7	W
February	36	1	W	W	5.29	105.1	NM	NM	5.76	5.88	108.6	W
March	34	1	W	W	5.54	81.8	NM	NM	5.46	5.58	107.0	W
April	NM	NM	W	W	5.45	0.0	NM	NM	5.40	5.52	106.3	W
May	NM	NM	W	W	5.83	0.0	NM	NM	5.28	5.39	105.7	W
June	NM	NM	W	W	5.83	0.0	NM	NM	5.40	5.51	106.3	W
July	NM	NM	W	W	5.83	0.0	NM	NM	5.24	5.35	104.5	W
August	NM	NM	W	W	5.83	0.0	NM	NM	5.09	5.20	106.4	W
Sept	NM	NM	W	W	5.83	0.0	NM	NM	4.92	5.04	108.2	W
October	NM	NM	W	W	5.27	0.0	NM	NM	4.87	4.98	107.5	W
November	NM	NM	W	W	5.34	62.8	NM	NM	4.68	4.77	110.3	W
December	44	2	W	W	5.29	98.8	NM	NM	4.61	4.70	109.0	W
2012												
January	46	2	W	W	5.22	97.8	NM	NM	4.37	4.46	104.0	W
February	45	2	W	W	5.43	114.1	NM	NM	NM	NM	106.9	W
March	36	1	W	W	5.70	96.2	NM	NM	3.65	3.73	105.7	W
April	NM	NM	W	W	5.33	115.7	NM	NM	NM	NM	105.5	W
May	0	0	--	--	--	0.0	NM	NM	NM	NM	104.6	NM
June	0	0	--	--	--	0.0	NM	NM	NM	NM	103.4	NM
July	27	1	W	W	5.77	79.1	NM	NM	3.69	3.78	103.8	W
August	41	1	W	W	5.77	103.3	NM	NM	NM	NM	102.7	W
Sept	37	1	W	W	5.69	94.4	NM	NM	NM	NM	105.4	W
October	42	1	W	W	5.68	97.7	NM	NM	NM	NM	105.3	W
November	41	1	W	W	5.63	102.9	NM	NM	4.72	4.84	105.3	W
December	NM	NM	W	W	5.70	112.9	8,350	8,136	4.77	4.89	106.5	W
2013												
January	0	0	--	--	--	0.0	362	358	W	W	4.4	W
February	0	0	--	--	--	0.0	361	357	W	W	5.0	W
March	0	0	--	--	--	0.0	382	378	W	W	4.8	W
April	0	0	--	--	--	0.0	375	371	W	W	5.4	W
May	0	0	--	--	--	0.0	467	464	W	W	6.6	W
June	0	0	--	--	--	0.0	404	401	W	W	5.6	W
July	0	0	--	--	--	0.0	445	440	W	W	5.2	W
August	0	0	--	--	--	0.0	414	411	W	W	5.1	W
Sept	0	0	--	--	--	0.0	560	554	W	W	7.4	W
Year to Date												
2011	198	7	W	W	5.52	167.6	70,371	68,902	5.37	5.49	106.6	W
2012	235	8	W	W	5.57	98.1	NM	NM	3.70	3.78	104.7	W
2013	0	0	--	--	--	0.0	3,768	3,737	W	W	5.5	W
Rolling 12 Months Ending in September												
2012	NM	NM	W	W	5.51	95.9	NM	NM	NM	NM	105.7	W
2013	NM	NM	W	W	5.67	36.2	NM	NM	W	W	30.5	W

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

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

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

	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average 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												
2003	322,547	15,076	1.45	31.01	1.37	60.7	27,538	4,624	4.85	28.86	1.25	23.2
2004	326,495	15,324	1.63	34.79	1.43	57.6	25,491	4,107	4.98	30.93	1.38	18.5
2005	339,968	16,011	1.94	41.17	1.42	61.9	36,383	5,876	6.64	41.13	1.36	26.4
2006	320,640	15,208	2.03	42.76	1.47	60.2	19,514	3,214	7.57	45.95	1.30	21.2
2007	303,091	13,540	2.20	49.16	1.36	60.1	33,637	5,514	8.53	52.06	1.33	38.8
2008	493,724	22,044	2.72	60.96	1.28	100.7	48,822	7,958	12.50	76.69	1.01	109.0
2009	431,686	19,661	2.81	61.68	1.22	99.5	55,899	9,232	9.83	59.52	0.83	112.8
2010	468,991	21,492	2.75	60.08	1.26	87.2	33,276	5,554	13.21	79.15	0.93	125.6
2011	476,108	22,204	2.93	62.86	1.33	99.5	28,939	4,878	17.67	104.83	1.08	144.8
2012	429,418	20,178	3.00	63.83	1.47	97.4	19,460	3,259	19.08	113.89	0.92	143.3
2011												
January	41,774	1,929	2.88	62.38	1.31	92.7	3,443	575	15.11	90.47	1.33	124.6
February	36,699	1,689	2.89	62.91	1.34	93.8	2,346	394	15.91	94.86	1.27	114.7
March	38,893	1,813	2.86	61.26	1.36	95.8	2,408	404	17.46	104.16	1.17	129.5
April	38,978	1,827	2.93	62.47	1.28	102.3	2,648	446	17.97	106.58	0.86	173.1
May	36,984	1,731	2.97	63.47	1.27	94.3	NM	NM	NM	NM	1.16	225.1
June	39,329	1,826	2.93	63.01	1.34	99.1	2,628	447	19.51	114.66	0.94	176.7
July	39,487	1,850	2.96	63.18	1.32	95.1	1,869	318	19.19	112.81	0.99	141.5
August	44,259	2,057	3.01	64.88	1.36	104.8	1,840	308	16.33	97.49	1.08	132.6
Sept	40,384	1,886	2.91	62.21	1.35	105.5	1,785	301	18.39	109.02	1.02	129.7
October	38,861	1,824	2.94	62.68	1.30	104.4	2,410	407	18.70	110.71	0.87	143.6
November	38,803	1,816	2.94	62.81	1.39	106.1	NM	NM	18.91	110.85	0.99	154.1
December	41,657	1,957	2.96	62.90	1.33	101.7	1,957	329	19.58	116.55	1.15	122.4
2012												
January	39,280	1,854	3.03	64.18	1.43	97.0	1,841	306	19.75	118.70	1.02	131.1
February	33,264	1,577	2.92	61.56	1.46	92.3	1,442	240	19.97	120.07	0.96	124.7
March	34,377	1,622	3.03	64.27	1.39	95.0	1,623	273	16.23	96.58	1.00	134.7
April	33,592	1,566	3.04	65.23	1.53	101.6	1,194	199	20.37	122.45	0.94	90.2
May	34,191	1,593	3.08	66.12	1.56	94.3	1,818	302	19.73	118.75	0.85	166.7
June	34,331	1,597	3.02	64.88	1.61	97.7	1,406	236	19.04	113.35	0.91	111.9
July	36,642	1,731	2.99	63.27	1.46	97.7	NM	NM	17.93	106.67	0.89	149.6
August	40,223	1,884	2.96	63.29	1.52	103.1	2,165	361	18.75	112.52	0.92	214.2
Sept	35,934	1,687	3.00	63.85	1.40	104.6	1,071	178	19.94	119.95	1.11	113.0
October	36,631	1,727	3.00	63.55	1.43	96.2	1,160	197	20.81	122.57	0.82	93.8
November	35,384	1,671	2.97	62.84	1.41	96.7	1,769	295	19.58	117.23	0.80	192.4
December	35,570	1,669	2.96	63.09	1.45	93.3	NM	NM	NM	NM	0.92	246.8
2013												
January	16,007	713	W	W	1.42	40.5	286	47	18.25	111.87	1.67	19.0
February	14,559	642	W	W	1.53	39.5	199	33	18.09	110.10	1.38	17.9
March	16,525	739	W	W	1.41	43.6	255	41	18.33	114.33	1.69	24.4
April	15,446	677	W	W	1.55	44.9	209	34	W	W	1.73	18.4
May	17,249	761	W	W	1.47	48.7	200	32	18.00	112.37	1.65	16.5
June	15,342	676	W	W	1.36	43.5	234	38	18.49	114.07	1.83	24.3
July	16,500	738	W	W	1.53	45.0	167	27	17.47	108.96	1.84	15.1
August	16,342	719	W	W	1.54	45.7	114	19	19.37	118.74	1.82	11.6
Sept	16,458	729	W	W	1.57	47.4	70	12	18.34	110.96	1.45	8.6
Year to Date												
2011	356,788	16,607	2.93	62.88	1.32	98.1	22,308	3,756	17.27	102.55	1.10	146.3
2012	321,834	15,111	3.01	64.05	1.48	98.1	14,195	2,369	19.00	113.84	0.95	135.3
2013	144,430	6,392	W	W	1.49	44.2	1,735	281	18.24	112.55	1.70	17.5
Rolling 12 Months Ending in September												
2012	441,154	20,708	2.99	63.71	1.44	99.6	NM	NM	19.01	113.40	0.96	136.7
2013	252,014	11,459	W	W	1.46	58.0	NM	NM	W	W	1.06	55.0

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Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
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Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2003 - September 2013 (continued)

	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost				Receipts		Average 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	(Dollars per MMBtu)
Annual Totals												
2003	16,383	594	1.04	28.74	5.73	47.3	823,681	798,996	5.32	5.48	69.9	4.20
2004	14,876	540	0.98	27.01	5.59	40.4	839,886	814,843	6.04	6.22	68.4	4.76
2005	16,620	594	1.21	33.75	5.44	58.2	828,882	805,132	8.00	8.24	74.3	6.18
2006	17,875	646	1.63	45.05	5.43	42.7	869,157	844,211	7.02	7.22	75.7	5.64
2007	19,700	698	1.96	55.42	5.52	43.6	896,803	871,178	6.97	7.18	82.9	5.78
2008	39,246	1,396	3.34	93.84	4.92	117.9	1,099,613	1,068,372	8.95	9.22	111.9	7.10
2009	38,924	1,381	1.80	50.82	4.51	114.2	1,117,489	1,088,880	4.27	4.38	110.0	4.02
2010	35,866	1,269	2.46	69.38	4.90	100.5	1,166,768	1,135,917	4.64	4.77	110.4	4.24
2011	37,981	1,351	W	W	5.03	108.3	1,331,977	1,296,628	4.28	4.40	122.0	W
2012	42,174	1,487	W	W	5.86	80.0	1,354,503	1,321,890	3.03	3.10	116.0	W
2011												
January	3,075	110	3.16	88.56	4.70	96.3	112,015	109,254	4.54	4.65	122.0	4.31
February	2,430	86	2.99	83.98	4.66	84.3	99,431	96,876	4.55	4.67	120.3	4.28
March	2,687	95	3.24	91.51	4.75	100.0	102,958	100,259	4.08	4.19	122.8	3.96
April	2,336	83	W	W	4.46	78.3	103,922	101,255	4.43	4.55	122.0	W
May	2,259	81	W	W	4.97	74.5	108,328	105,579	4.53	4.65	121.4	W
June	2,558	91	W	W	5.03	88.9	109,529	106,731	4.61	4.74	121.7	W
July	4,019	141	W	W	5.13	144.0	120,609	117,663	4.62	4.73	121.0	W
August	3,728	132	W	W	5.17	140.7	126,012	122,745	4.48	4.60	123.4	W
Sept	3,738	132	W	W	5.27	125.0	117,462	112,976	4.19	4.36	124.7	W
October	3,512	126	W	W	5.17	114.9	106,879	104,110	3.96	4.06	123.2	W
November	3,267	117	W	W	5.29	113.3	109,257	106,529	3.69	3.78	123.8	W
December	4,372	156	W	W	5.25	143.8	115,575	112,652	3.67	3.76	117.9	W
2012												
January	3,983	141	W	W	5.58	84.9	117,321	114,370	3.27	3.35	116.6	W
February	2,440	85	W	W	5.70	64.9	108,720	105,929	2.92	3.00	117.5	W
March	3,323	117	W	W	5.60	71.2	109,958	107,145	2.63	2.70	118.9	W
April	3,531	125	W	W	5.68	80.2	108,912	106,067	2.38	2.44	121.4	W
May	3,687	131	W	W	5.67	88.8	110,619	108,849	2.44	2.48	117.3	W
June	3,528	123	2.80	80.06	5.84	85.6	114,191	111,229	2.70	2.78	117.8	2.93
July	2,580	91	W	W	6.06	65.8	119,298	115,922	3.01	3.10	114.9	W
August	3,082	109	W	W	6.08	70.5	115,376	113,292	3.16	3.22	115.9	W
Sept	4,290	151	W	W	6.10	102.2	109,179	106,460	2.91	2.98	114.3	W
October	3,046	107	W	W	6.11	68.9	111,111	108,408	3.29	3.37	114.4	W
November	3,964	139	W	W	5.94	81.1	109,992	107,380	3.68	3.77	110.6	W
December	4,722	167	W	W	5.97	92.4	119,827	116,838	3.85	3.95	113.6	W
2013												
January	1,642	59	W	W	6.34	34.4	61,318	59,759	W	W	58.9	W
February	863	31	W	W	6.39	23.8	58,825	57,075	W	W	62.6	W
March	1,159	41	W	W	6.25	27.7	62,684	60,482	W	W	61.6	W
April	1,194	43	W	W	6.25	30.0	57,831	56,203	W	W	62.5	W
May	1,281	45	W	W	6.08	37.4	61,770	60,091	W	W	64.1	W
June	1,450	52	W	W	5.91	40.5	63,835	61,941	W	W	66.7	W
July	1,415	50	W	W	6.27	37.1	63,264	61,407	W	W	62.7	W
August	1,807	63	W	W	6.14	48.6	64,125	62,335	W	W	62.1	W
Sept	1,277	45	W	W	5.96	37.1	59,596	57,833	W	W	62.7	W
Year to Date												
2011	26,830	952	W	W	4.95	102.7	1,000,266	973,337	4.45	4.57	122.2	W
2012	30,442	1,074	W	W	5.81	79.5	1,013,573	989,263	2.83	2.90	117.1	W
2013	12,088	429	W	W	6.17	35.0	553,249	537,126	W	W	62.6	W
Rolling 12 Months Ending in September												
2012	41,593	1,473	W	W	5.65	88.1	1,345,284	1,312,554	3.06	3.14	118.2	W
2013	23,821	842	W	W	6.08	48.6	894,179	869,752	W	W	75.4	W

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

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	118	102	16.0%	61	51	56	44	0	0	2	NM
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	3	4	-35.0%	0	0	1	2	0	0	2	2
Massachusetts	55	47	19.0%	0	0	55	42	0	0	0	NM
New Hampshire	61	51	18.0%	61	51	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	3,093	3,588	-14.0%	0	NM	3,064	3,479	0	NM	29	107
New Jersey	95	127	-25.0%	0	0	95	127	0	0	0	0
New York	136	164	-17.0%	0	NM	111	138	0	NM	24	25
Pennsylvania	2,862	3,297	-13.0%	0	0	2,858	3,213	0	NM	5	82
East North Central	15,937	15,879	0.4%	10,241	9,855	5,436	5,604	1	27	259	393
Illinois	5,320	5,541	-4.0%	506	415	4,647	4,901	0	NM	167	218
Indiana	2,927	3,264	-10.0%	2,786	2,912	140	330	0	14	0	NM
Michigan	2,491	2,383	4.5%	2,458	2,336	24	23	1	0	7	NM
Ohio	3,140	2,614	20.0%	2,502	2,225	625	350	0	NM	14	38
Wisconsin	2,059	2,077	-0.9%	1,989	1,967	0	0	0	NM	70	105
West North Central	10,979	12,099	-9.3%	10,871	11,669	0	0	5	26	102	404
Iowa	1,615	2,235	-28.0%	1,514	1,996	0	0	0	NM	102	222
Kansas	1,688	1,458	16.0%	1,688	1,458	0	0	0	0	0	0
Minnesota	1,025	1,443	-29.0%	1,025	1,346	0	0	0	NM	0	95
Missouri	3,613	3,725	-3.0%	3,608	3,708	0	0	5	7	0	NM
Nebraska	1,272	1,269	0.2%	1,272	1,216	0	0	0	0	0	NM
North Dakota	1,608	1,732	-7.2%	1,608	1,709	0	0	0	0	0	NM
South Dakota	156	236	-34.0%	156	236	0	0	0	0	0	0
South Atlantic	9,641	10,000	-3.6%	7,631	7,674	1,884	2,052	0	NM	126	264
Delaware	57	81	-30.0%	0	0	57	81	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,685	1,527	10.0%	1,607	1,413	78	92	0	0	0	NM
Georgia	1,903	1,853	2.7%	1,870	1,825	0	0	0	0	33	28
Maryland	619	660	-6.1%	0	0	599	637	0	0	20	22
North Carolina	1,256	1,731	-27.0%	1,256	1,613	0	76	0	NM	0	36
South Carolina	773	971	-20.0%	771	949	0	0	0	0	2	22
Virginia	961	575	67.0%	878	410	43	70	0	NM	40	92
West Virginia	2,387	2,602	-8.3%	1,248	1,465	1,107	1,096	0	0	32	41
East South Central	7,016	7,451	-5.8%	6,576	6,837	320	451	0	NM	121	159
Alabama	1,885	2,214	-15.0%	1,885	2,181	0	NM	0	0	0	29
Kentucky	3,209	3,132	2.5%	3,209	3,132	0	0	0	0	0	0
Mississippi	546	689	-21.0%	227	241	320	447	0	0	0	0
Tennessee	1,377	1,417	-2.8%	1,256	1,283	0	0	0	NM	121	130
West South Central	13,142	12,916	1.8%	6,269	6,273	6,873	6,569	0	0	0	NM
Arkansas	1,669	1,304	28.0%	1,472	1,129	197	165	0	0	0	NM
Louisiana	1,277	1,023	25.0%	638	691	639	330	0	0	0	NM
Oklahoma	1,132	1,405	-19.0%	1,056	1,267	75	97	0	0	0	NM
Texas	9,065	9,185	-1.3%	3,103	3,186	5,962	5,977	0	0	0	NM
Mountain	8,025	9,892	-19.0%	7,396	8,665	604	1,038	0	0	24	189
Arizona	1,701	2,089	-19.0%	1,701	2,055	0	0	0	0	0	NM
Colorado	1,318	1,610	-18.0%	1,318	1,592	0	NM	0	0	0	0
Idaho	0	NM	NM	0	0	0	0	0	0	0	NM
Montana	558	903	-38.0%	0	NM	558	874	0	0	0	NM
Nevada	238	168	41.0%	192	107	46	61	0	0	0	0
New Mexico	1,132	1,442	-21.0%	1,132	1,442	0	0	0	0	0	0
Utah	1,048	1,252	-16.0%	1,024	1,166	0	NM	0	0	24	47
Wyoming	2,030	2,417	-16.0%	2,030	2,278	0	NM	0	0	0	93
Pacific Contiguous	824	612	35.0%	221	209	537	318	0	0	66	85
California	66	118	-44.0%	0	0	0	41	0	0	66	77
Oregon	221	209	5.5%	221	209	0	0	0	0	0	0
Washington	537	285	89.0%	0	0	537	277	0	0	0	8
Pacific Noncontiguous	63	163	-61.0%	0	NM	63	80	0	49	0	NM
Alaska	0	96	-100.0%	0	NM	0	NM	0	49	0	0
Hawaii	63	67	-5.7%	0	0	63	60	0	0	0	NM
U.S. Total	68,839	72,702	-5.3%	49,265	51,262	18,838	19,635	6	118	729	1,687

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See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	2,127	845	152.0%	611	278	1,495	513	0	0	21	54
Connecticut	237	27	771.0%	0	0	237	27	0	0	0	0
Maine	47	34	40.0%	0	0	26	20	0	0	21	14
Massachusetts	1,232	506	143.0%	0	0	1,232	466	0	0	0	40
New Hampshire	611	278	120.0%	611	278	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	26,736	32,436	-18.0%	0	NM	26,424	31,426	0	19	312	980
New Jersey	825	786	5.0%	0	0	825	786	0	0	0	0
New York	2,055	1,504	37.0%	0	NM	1,804	1,242	0	NM	251	246
Pennsylvania	23,856	30,146	-21.0%	0	0	23,795	29,398	0	NM	61	734
East North Central	137,649	136,047	1.2%	90,846	82,750	44,656	49,353	58	318	2,090	3,626
Illinois	44,028	46,609	-5.5%	4,797	4,515	37,829	39,906	0	57	1,402	2,131
Indiana	27,004	28,678	-5.8%	25,194	25,465	1,810	2,996	0	141	0	76
Michigan	21,129	17,379	22.0%	20,863	16,918	126	171	58	67	83	223
Ohio	28,543	28,427	0.4%	23,470	21,776	4,890	6,281	0	NM	183	361
Wisconsin	16,945	14,954	13.0%	16,523	14,075	0	0	0	44	422	834
West North Central	97,488	107,079	-9.0%	96,461	103,367	0	0	71	237	955	3,475
Iowa	14,570	19,187	-24.0%	13,615	17,026	0	0	0	167	955	1,994
Kansas	13,999	13,897	0.7%	13,999	13,897	0	0	0	0	0	0
Minnesota	8,831	10,140	-13.0%	8,831	9,354	0	0	0	NM	0	770
Missouri	31,272	33,887	-7.7%	31,201	33,739	0	0	71	54	0	94
Nebraska	11,188	11,441	-2.2%	11,188	11,010	0	0	0	0	0	430
North Dakota	16,289	17,178	-5.2%	16,289	16,992	0	0	0	0	0	186
South Dakota	1,339	1,348	-0.7%	1,339	1,348	0	0	0	0	0	0
South Atlantic	81,039	89,632	-9.6%	65,175	71,585	14,703	15,300	0	81	1,161	2,666
Delaware	442	432	2.4%	0	0	442	432	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	14,499	13,482	7.5%	13,897	12,587	602	681	0	0	0	214
Georgia	14,156	17,879	-21.0%	13,906	17,457	0	0	0	0	250	422
Maryland	5,035	4,841	4.0%	0	0	4,786	4,552	0	0	249	288
North Carolina	11,426	15,224	-25.0%	11,426	14,120	0	719	0	NM	0	340
South Carolina	6,783	9,173	-26.0%	6,683	8,925	0	46	0	0	99	202
Virginia	6,905	5,495	26.0%	6,124	4,022	437	606	0	36	344	831
West Virginia	21,793	23,108	-5.7%	13,139	14,475	8,436	8,263	0	0	218	370
East South Central	63,698	66,832	-4.7%	59,791	62,181	2,750	3,017	0	35	1,156	1,599
Alabama	16,235	18,705	-13.0%	16,235	18,395	0	35	0	0	0	275
Kentucky	28,669	29,488	-2.8%	28,669	29,488	0	0	0	0	0	0
Mississippi	4,421	5,063	-13.0%	1,671	2,081	2,750	2,982	0	0	0	0
Tennessee	14,373	13,575	5.9%	13,217	12,216	0	0	0	35	1,156	1,324
West South Central	111,405	113,867	-2.2%	56,680	58,895	54,725	54,309	0	0	0	663
Arkansas	12,666	12,831	-1.3%	11,221	11,032	1,445	1,708	0	0	0	91
Louisiana	11,015	11,550	-4.6%	5,941	5,916	5,074	5,618	0	0	0	NM
Oklahoma	12,822	14,686	-13.0%	12,008	13,426	814	892	0	0	0	368
Texas	74,902	74,800	0.1%	27,510	28,521	47,392	46,090	0	0	0	189
Mountain	76,991	81,050	-5.0%	69,984	72,322	6,793	7,318	0	0	214	1,410
Arizona	16,022	17,483	-8.4%	16,022	17,204	0	0	0	0	0	280
Colorado	13,473	14,069	-4.2%	13,473	13,902	0	166	0	0	0	0
Idaho	0	92	-100.0%	0	0	0	0	0	0	0	92
Montana	6,235	6,257	-0.4%	0	204	6,235	6,022	0	0	0	NM
Nevada	1,741	1,885	-7.6%	1,183	1,448	558	436	0	0	0	0
New Mexico	10,468	10,808	-3.2%	10,468	10,808	0	0	0	0	0	0
Utah	10,486	9,976	5.1%	10,272	9,452	0	319	0	0	214	204
Wyoming	18,567	20,480	-9.3%	18,567	19,303	0	374	0	0	0	803
Pacific Contiguous	4,128	3,542	17.0%	1,124	1,066	2,521	1,906	0	0	482	570
California	630	970	-35.0%	0	0	148	475	0	0	482	496
Oregon	1,124	1,066	5.5%	1,124	1,066	0	0	0	0	0	0
Washington	2,373	1,506	58.0%	0	0	2,373	1,431	0	0	0	74
Pacific Noncontiguous	546	1,413	-61.0%	0	213	546	711	0	421	0	68
Alaska	0	796	-100.0%	0	213	0	162	0	421	0	0
Hawaii	546	617	-11.0%	0	0	546	549	0	0	0	68
U.S. Total	601,807	632,742	-4.9%	440,673	452,667	154,613	163,853	129	1,111	6,392	15,111

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

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	429	NM	NM	21	NM	406	NM	0	NM	2	NM
Connecticut	0	NM	NM	0	NM	0	NM	0	0	0	NM
Maine	210	NM	NM	0	NM	209	NM	0	NM	2	NM
Massachusetts	217	NM	NM	20	NM	197	NM	0	NM	0	NM
New Hampshire	1	NM	NM	1	NM	0	NM	0	NM	0	NM
Rhode Island	0	NM	NM	0	NM	0	NM	0	NM	0	0
Vermont	0	NM	NM	0	NM	0	0	0	NM	0	0
Middle Atlantic	71	NM	NM	3	NM	68	47	0	NM	0	NM
New Jersey	1	NM	NM	0	NM	1	NM	0	NM	0	NM
New York	52	NM	NM	3	NM	49	NM	0	NM	0	NM
Pennsylvania	17	NM	NM	0	NM	17	NM	0	NM	0	NM
East North Central	91	77	19.0%	44	59	44	9	0	NM	3	7
Illinois	8	10	-22.0%	3	NM	5	5	0	NM	0	NM
Indiana	20	13	57.0%	20	8	0	NM	0	NM	0	NM
Michigan	12	16	-24.0%	11	13	0	0	0	NM	1	2
Ohio	49	34	46.0%	8	30	39	4	0	NM	2	0
Wisconsin	2	5	-57.0%	2	4	0	NM	0	NM	0	NM
West North Central	30	28	6.3%	30	26	0	NM	0	NM	0	NM
Iowa	5	4	16.0%	5	4	0	NM	0	NM	0	NM
Kansas	2	8	-70.0%	2	8	0	0	0	0	0	0
Minnesota	7	NM	NM	7	NM	0	NM	0	NM	0	NM
Missouri	7	7	-3.9%	7	7	0	NM	0	NM	0	0
Nebraska	1	NM	NM	1	NM	0	0	0	0	0	0
North Dakota	5	5	-1.4%	5	5	0	0	0	NM	0	NM
South Dakota	3	NM	NM	3	NM	0	NM	0	NM	0	0
South Atlantic	119	210	-43.0%	64	67	49	NM	0	NM	7	82
Delaware	4	NM	NM	0	NM	4	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4	NM	NM	4	12	0	NM	0	0	0	NM
Georgia	11	29	-61.0%	6	7	0	NM	0	NM	5	22
Maryland	16	30	-47.0%	0	NM	16	28	0	NM	0	0
North Carolina	19	NM	NM	19	11	0	NM	0	NM	0	NM
South Carolina	5	24	-80.0%	4	5	0	0	0	NM	1	18
Virginia	35	40	-11.0%	5	7	30	23	0	0	1	NM
West Virginia	25	24	6.4%	25	24	0	NM	0	0	0	0
East South Central	16	47	-65.0%	16	33	0	NM	0	0	0	NM
Alabama	4	NM	NM	4	5	0	NM	0	0	0	NM
Kentucky	10	19	-48.0%	10	19	0	0	0	0	0	0
Mississippi	0	NM	NM	0	5	0	0	0	0	0	NM
Tennessee	3	NM	NM	3	4	0	0	0	0	0	NM
West South Central	10	24	-57.0%	5	5	5	16	0	NM	0	NM
Arkansas	1	NM	NM	0	0	1	3	0	0	0	NM
Louisiana	6	7	-11.0%	5	NM	1	6	0	0	0	NM
Oklahoma	0	NM	NM	0	NM	0	0	0	NM	0	0
Texas	3	12	-75.0%	0	4	3	7	0	NM	0	NM
Mountain	20	30	-33.0%	19	27	1	3	0	NM	0	NM
Arizona	4	NM	NM	4	1	0	0	0	NM	0	NM
Colorado	0	NM	NM	0	NM	0	0	0	0	0	NM
Idaho	0	NM	NM	0	NM	0	0	0	0	0	0
Montana	0	2	-88.0%	0	NM	0	1	0	0	0	0
Nevada	3	4	-10.0%	2	3	1	1	0	0	0	0
New Mexico	6	5	22.0%	6	4	0	NM	0	0	0	NM
Utah	2	5	-53.0%	2	5	0	NM	0	0	0	0
Wyoming	5	12	-59.0%	5	12	0	0	0	0	0	NM
Pacific Contiguous	0	NM	NM	0	8	0	NM	0	NM	0	NM
California	0	NM	NM	0	4	0	NM	0	NM	0	NM
Oregon	0	5	-100.0%	0	4	0	0	0	NM	0	NM
Washington	0	NM	NM	0	NM	0	1	0	NM	0	NM
Pacific Noncontiguous	796	1,090	-27.0%	590	896	206	162	0	NM	0	32
Alaska	0	83	-100.0%	0	77	0	0	0	NM	0	6
Hawaii	796	1,007	-21.0%	590	819	206	162	0	NM	0	26
U.S. Total	1,583	1,658	-4.5%	792	1,157	779	309	0	NM	12	178

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See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	1,664	749	122.0%	234	NM	1,413	329	0	NM	16	257
Connecticut	118	167	-29.0%	0	NM	118	148	0	0	0	NM
Maine	593	320	85.0%	0	NM	577	NM	0	NM	16	243
Massachusetts	718	157	357.0%	20	NM	698	110	0	NM	0	NM
New Hampshire	214	NM	NM	214	NM	0	NM	0	NM	0	NM
Rhode Island	20	NM	NM	0	NM	20	NM	0	NM	0	0
Vermont	0	NM	NM	0	NM	0	0	0	NM	0	0
Middle Atlantic	1,762	1,699	3.7%	427	520	1,317	898	0	121	18	160
New Jersey	50	NM	NM	0	NM	50	NM	0	NM	0	NM
New York	1,349	1,135	19.0%	427	514	906	378	0	116	17	NM
Pennsylvania	362	481	-25.0%	0	NM	361	454	0	NM	1	NM
East North Central	819	1,067	-23.0%	628	743	171	126	0	NM	20	183
Illinois	97	101	-3.8%	31	NM	66	66	0	NM	0	NM
Indiana	175	316	-44.0%	175	152	0	NM	0	NM	0	163
Michigan	169	210	-19.0%	160	188	0	0	0	NM	9	8
Ohio	321	376	-15.0%	209	312	103	55	0	NM	9	9
Wisconsin	56	64	-13.0%	52	57	2	4	0	NM	2	NM
West North Central	339	500	-32.0%	339	477	0	NM	0	NM	0	NM
Iowa	81	151	-46.0%	81	148	0	NM	0	NM	0	NM
Kansas	67	69	-3.6%	67	69	0	0	0	0	0	0
Minnesota	28	NM	NM	28	27	0	NM	0	NM	0	NM
Missouri	81	148	-45.0%	81	147	0	NM	0	NM	0	0
Nebraska	24	27	-13.0%	24	27	0	0	0	0	0	0
North Dakota	52	62	-15.0%	52	52	0	0	0	NM	0	NM
South Dakota	7	NM	NM	7	NM	0	NM	0	NM	0	0
South Atlantic	2,124	2,955	-28.0%	1,578	1,625	319	NM	0	NM	227	965
Delaware	28	NM	NM	0	NM	28	36	0	0	0	0
District of Columbia	0	NM	NM	0	0	0	NM	0	0	0	0
Florida	727	721	0.9%	721	491	6	NM	0	0	0	177
Georgia	192	409	-53.0%	113	200	4	NM	0	NM	75	207
Maryland	149	202	-27.0%	0	NM	148	120	0	NM	0	69
North Carolina	231	456	-49.0%	182	249	49	NM	0	NM	0	204
South Carolina	208	416	-50.0%	86	227	0	0	0	NM	123	189
Virginia	392	505	-22.0%	279	257	85	124	0	4	28	NM
West Virginia	197	194	1.5%	197	184	0	10	0	0	0	0
East South Central	499	477	4.6%	499	313	0	NM	0	0	0	159
Alabama	115	215	-47.0%	115	79	0	NM	0	0	0	131
Kentucky	131	155	-16.0%	131	155	0	0	0	0	0	0
Mississippi	13	NM	NM	13	20	0	0	0	0	0	NM
Tennessee	241	78	207.0%	241	60	0	0	0	0	0	NM
West South Central	197	263	-25.0%	67	97	130	127	0	NM	0	NM
Arkansas	34	58	-41.0%	11	32	23	16	0	0	0	NM
Louisiana	45	NM	NM	11	15	34	25	0	0	0	NM
Oklahoma	12	NM	NM	12	NM	0	0	0	NM	0	0
Texas	106	133	-21.0%	33	35	72	86	0	NM	0	NM
Mountain	269	368	-27.0%	253	315	16	46	0	NM	0	NM
Arizona	70	67	4.2%	70	62	0	0	0	NM	0	NM
Colorado	4	NM	NM	4	NM	0	0	0	NM	0	NM
Idaho	0	NM	NM	0	NM	0	0	0	0	0	0
Montana	11	36	-68.0%	0	NM	11	30	0	0	0	0
Nevada	24	32	-25.0%	19	23	5	8	0	0	0	0
New Mexico	68	74	-7.9%	68	67	0	NM	0	0	0	NM
Utah	39	63	-38.0%	39	62	0	NM	0	0	0	0
Wyoming	53	71	-25.0%	53	69	0	0	0	0	0	NM
Pacific Contiguous	33	262	-88.0%	21	58	11	NM	0	NM	0	NM
California	0	76	-100.0%	0	46	0	NM	0	NM	0	NM
Oregon	6	NM	NM	6	11	0	0	0	NM	0	NM
Washington	26	NM	NM	15	NM	11	10	0	NM	0	NM
Pacific Noncontiguous	7,043	10,727	-34.0%	5,528	8,775	1,515	1,519	0	NM	0	420
Alaska	0	1,314	-100.0%	0	1,231	0	0	0	NM	0	74
Hawaii	7,043	9,413	-25.0%	5,528	7,544	1,515	1,519	0	3	0	347
U.S. Total	14,749	19,068	-23.0%	9,575	12,982	4,893	3,448	0	269	281	2,369

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	NM	NM	0	0	0	NM	0	0	0	NM
New Jersey	0	NM	NM	0	0	0	0	0	0	0	NM
New York	0	NM	NM	0	0	0	NM	0	0	0	0
Pennsylvania	0	NM	NM	0	0	0	0	0	0	0	NM
East North Central	24	122	-80.0%	12	41	4	39	0	0	8	42
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	34	-100.0%	0	34	0	0	0	0	0	0
Michigan	16	16	-0.5%	12	0	4	4	0	0	0	12
Ohio	0	51	-100.0%	0	0	0	35	0	0	0	16
Wisconsin	8	22	-62.0%	0	8	0	0	0	0	8	14
West North Central	0	1	-100.0%	0	0	0	0	0	1	0	0
Iowa	0	1	-100.0%	0	0	0	0	0	1	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	165	99	67.0%	150	83	0	0	0	0	15	16
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	150	83	81.0%	150	83	0	0	0	0	0	0
Georgia	15	16	-6.1%	0	0	0	0	0	0	15	16
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	38	35	6.6%	38	35	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	38	35	6.6%	38	35	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	195	214	-8.6%	173	134	0	0	0	0	22	80
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	173	156	11.0%	173	134	0	0	0	0	0	22
Oklahoma	0	NM	NM	0	0	0	0	0	0	0	NM
Texas	22	57	-61.0%	0	0	0	0	0	0	22	57
Mountain	0	25	-100.0%	0	0	0	25	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	25	-100.0%	0	0	0	25	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	12	-100.0%	0	0	0	NM	0	0	0	9
California	0	12	-100.0%	0	0	0	NM	0	0	0	9
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	422	513	-18.0%	373	294	4	67	0	1	45	151

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	0	NM	NM	0	0	0	NM	0	0	0	NM
New Jersey	0	NM	NM	0	0	0	0	0	0	0	NM
New York	0	NM	NM	0	0	0	NM	0	0	0	0
Pennsylvania	0	NM	NM	0	0	0	0	0	0	0	NM
East North Central	558	894	-38.0%	40	150	413	417	0	0	105	327
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	114	-100.0%	0	114	0	0	0	0	0	0
Michigan	47	116	-60.0%	26	0	21	27	0	0	0	88
Ohio	392	508	-23.0%	0	0	392	389	0	0	0	118
Wisconsin	119	156	-24.0%	14	36	0	0	0	0	105	120
West North Central	0	9	-100.0%	0	NM	0	0	0	8	0	0
Iowa	0	9	-100.0%	0	NM	0	0	0	8	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	951	541	76.0%	870	403	0	0	0	0	81	139
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	870	403	116.0%	870	403	0	0	0	0	0	0
Georgia	81	139	-42.0%	0	0	0	0	0	0	81	139
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	397	394	0.7%	397	394	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	397	394	0.7%	397	394	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1,462	1,280	14.0%	1,219	736	0	36	0	0	243	508
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,219	897	36.0%	1,219	736	0	0	0	0	0	161
Oklahoma	0	NM	NM	0	0	0	0	0	0	0	NM
Texas	243	380	-36.0%	0	0	0	36	0	0	243	344
Mountain	0	185	-100.0%	0	0	0	185	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	185	-100.0%	0	0	0	185	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	165	-100.0%	0	0	0	97	0	0	0	69
California	0	165	-100.0%	0	0	0	97	0	0	0	69
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	3,367	3,504	-3.9%	2,525	1,684	413	737	0	8	429	1,074

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	33,732	44,911	-25.0%	176	263	32,399	41,018	0	918	1,158	2,712
Connecticut	8,961	11,476	-22.0%	0	76	8,961	10,746	0	251	0	404
Maine	2,654	4,586	-42.0%	0	0	1,496	2,640	0	NM	1,158	1,945
Massachusetts	13,728	18,666	-26.0%	159	168	13,569	17,658	0	506	0	335
New Hampshire	3,169	4,541	-30.0%	16	17	3,153	4,495	0	0	0	29
Rhode Island	5,220	5,639	-7.4%	0	0	5,220	5,479	0	160	0	0
Vermont	0	2	-100.0%	0	2	0	0	0	0	0	0
Middle Atlantic	75,809	100,767	-25.0%	8,503	12,317	67,226	85,476	0	941	80	2,034
New Jersey	16,957	21,763	-22.0%	0	0	16,957	20,919	0	166	0	679
New York	30,503	44,689	-32.0%	8,503	12,311	21,990	31,265	0	714	10	399
Pennsylvania	28,349	34,316	-17.0%	0	6	28,279	33,291	0	61	70	957
East North Central	29,204	47,160	-38.0%	9,966	13,149	18,681	28,284	449	1,942	108	3,785
Illinois	3,858	7,610	-49.0%	539	452	3,316	5,814	0	363	4	980
Indiana	5,266	8,373	-37.0%	2,972	4,972	2,295	2,132	0	142	0	1,126
Michigan	7,073	12,926	-45.0%	1,905	2,030	4,693	9,015	449	998	27	883
Ohio	8,439	13,062	-35.0%	2,393	3,519	6,023	9,141	0	183	24	218
Wisconsin	4,567	5,190	-12.0%	2,158	2,176	2,355	2,181	0	256	53	578
West North Central	12,290	11,246	9.3%	10,327	8,348	1,854	1,669	106	471	3	757
Iowa	1,950	1,515	29.0%	1,947	1,460	0	0	0	37	3	NM
Kansas	1,805	2,126	-15.0%	1,805	2,116	0	0	0	0	0	NM
Minnesota	4,363	3,301	32.0%	3,132	1,619	1,231	880	0	342	0	460
Missouri	3,382	3,640	-7.1%	2,654	2,757	623	789	106	88	0	NM
Nebraska	422	391	7.9%	422	266	0	0	0	NM	0	122
North Dakota	0	142	-100.0%	0	0	0	0	0	0	0	142
South Dakota	367	130	181.0%	367	130	0	0	0	0	0	0
South Atlantic	171,134	192,873	-11.0%	136,710	148,560	31,940	NM	0	NM	2,484	6,032
Delaware	5,373	5,380	-0.1%	0	19	3,812	4,570	0	0	1,561	790
District of Columbia	0	101	-100.0%	0	101	0	0	0	0	0	0
Florida	93,495	109,263	-14.0%	88,105	97,775	5,389	NM	0	NM	0	2,116
Georgia	26,635	30,209	-12.0%	19,388	18,945	6,598	NM	0	0	649	1,438
Maryland	2,603	4,031	-35.0%	0	0	2,564	3,436	0	182	39	413
North Carolina	18,245	14,689	24.0%	12,053	12,450	6,192	NM	0	NM	0	NM
South Carolina	8,470	10,677	-21.0%	7,037	9,048	1,415	1,524	0	NM	18	NM
Virginia	16,098	18,234	-12.0%	10,100	10,088	5,780	NM	0	0	217	795
West Virginia	216	289	-25.0%	26	133	190	52	0	0	0	104
East South Central	47,849	69,005	-31.0%	27,866	35,599	19,980	NM	0	NM	3	3,272
Alabama	25,319	35,259	-28.0%	7,363	9,362	17,956	NM	0	0	0	2,264
Kentucky	765	1,908	-60.0%	686	1,307	79	242	0	0	0	359
Mississippi	18,812	25,334	-26.0%	16,866	18,667	1,945	NM	0	NM	0	NM
Tennessee	2,954	6,504	-55.0%	2,951	6,263	0	0	0	147	3	94
West South Central	249,218	273,634	-8.9%	73,103	72,662	125,632	127,894	0	NM	50,483	72,338
Arkansas	6,976	10,360	-33.0%	2,961	2,777	4,015	6,696	0	NM	0	NM
Louisiana	40,703	50,337	-19.0%	17,087	18,843	7,912	9,907	0	NM	15,704	21,534
Oklahoma	23,540	27,458	-14.0%	17,094	19,536	6,446	NM	0	NM	0	NM
Texas	177,999	185,478	-4.0%	35,962	31,507	107,258	103,878	0	NM	34,779	49,560
Mountain	59,825	65,159	-8.2%	34,205	35,205	25,590	28,298	0	NM	30	NM
Arizona	25,053	25,577	-2.0%	9,892	11,609	15,161	13,882	0	NM	0	NM
Colorado	8,147	7,758	5.0%	3,877	3,289	4,271	NM	0	0	0	NM
Idaho	2,603	1,694	54.0%	1,470	323	1,134	1,300	0	0	0	71
Montana	0	107	-100.0%	0	95	0	NM	0	0	0	0
Nevada	13,761	NM	NM	11,355	12,124	2,406	NM	0	NM	0	NM
New Mexico	6,013	NM	NM	3,867	4,112	2,146	NM	0	NM	0	NM
Utah	4,246	NM	NM	3,743	3,634	474	760	0	NM	30	NM
Wyoming	2	962	-100.0%	2	NM	0	NM	0	0	0	934
Pacific Contiguous	90,150	123,592	-27.0%	33,248	37,118	53,418	69,917	0	NM	3,484	NM
California	72,811	NM	NM	22,460	28,310	46,867	62,155	0	NM	3,484	NM
Oregon	8,890	10,725	-17.0%	3,329	4,113	5,561	6,386	0	90	0	137
Washington	8,448	6,447	31.0%	7,459	4,695	989	1,377	0	181	0	194
Pacific Noncontiguous	1,721	3,446	-50.0%	1,721	3,351	0	0	0	NM	0	88
Alaska	1,721	3,446	-50.0%	1,721	3,351	0	0	0	NM	0	88
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	770,934	931,793	-17.0%	335,827	366,571	376,720	450,531	554	NM	57,833	106,460

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

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	284,894	375,128	-24.0%	1,409	3,731	273,003	336,676	0	9,529	10,481	25,192
Connecticut	80,698	92,175	-12.0%	0	651	80,698	85,191	0	2,412	0	3,921
Maine	25,900	40,746	-36.0%	0	0	15,419	22,983	0	NM	10,481	17,751
Massachusetts	119,777	152,063	-21.0%	1,063	2,336	118,714	140,908	0	5,577	0	3,241
New Hampshire	22,739	40,686	-44.0%	347	716	22,392	39,690	0	0	0	279
Rhode Island	35,780	49,432	-28.0%	0	0	35,780	47,905	0	1,528	0	0
Vermont	0	27	-100.0%	0	27	0	0	0	0	0	0
Middle Atlantic	728,125	907,861	-20.0%	84,513	107,557	642,250	772,346	0	8,282	1,362	19,676
New Jersey	151,958	188,268	-19.0%	0	0	151,958	180,144	0	1,597	0	6,527
New York	316,869	403,974	-22.0%	84,513	107,478	231,818	286,630	0	6,072	538	3,795
Pennsylvania	259,298	315,618	-18.0%	0	80	258,474	305,572	0	613	824	9,353
East North Central	332,437	587,372	-43.0%	122,055	199,320	205,432	337,648	3,071	16,651	1,880	33,753
Illinois	35,600	83,190	-57.0%	4,684	13,191	30,871	56,043	0	4,522	45	9,434
Indiana	54,957	104,950	-48.0%	36,067	70,287	18,890	22,553	0	1,363	0	10,747
Michigan	78,949	178,954	-56.0%	19,630	38,414	55,474	127,308	3,071	6,646	774	6,585
Ohio	116,693	137,318	-15.0%	39,011	35,902	77,618	97,463	0	1,788	64	2,165
Wisconsin	46,238	82,961	-44.0%	22,663	41,526	22,578	34,281	0	2,332	997	4,822
West North Central	95,812	159,445	-40.0%	81,341	128,712	13,794	19,396	666	4,597	11	6,739
Iowa	13,689	15,614	-12.0%	13,678	15,206	0	NM	0	325	11	81
Kansas	13,272	29,456	-55.0%	13,272	29,354	0	0	0	0	0	NM
Minnesota	35,745	54,546	-34.0%	28,608	39,109	7,137	8,129	0	3,125	0	4,183
Missouri	27,684	46,629	-41.0%	20,360	34,193	6,658	11,265	666	1,109	0	NM
Nebraska	3,205	9,005	-64.0%	3,205	7,906	0	0	0	NM	0	1,061
North Dakota	0	1,252	-100.0%	0	NM	0	0	0	0	0	1,251
South Dakota	2,218	2,943	-25.0%	2,218	2,943	0	0	0	0	0	0
South Atlantic	1,424,598	1,655,124	-14.0%	1,146,854	1,220,656	253,992	372,696	0	2,495	23,751	59,277
Delaware	45,147	54,090	-17.0%	0	203	31,911	43,850	0	0	13,237	10,037
District of Columbia	0	890	-100.0%	0	890	0	0	0	0	0	0
Florida	772,987	915,524	-16.0%	733,133	808,432	39,853	86,029	0	NM	0	20,665
Georgia	224,604	259,529	-13.0%	164,284	141,796	53,297	104,408	0	0	7,023	13,325
Maryland	17,761	47,676	-63.0%	0	0	17,261	42,089	0	1,749	500	3,839
North Carolina	150,935	126,377	19.0%	99,463	104,965	51,300	18,424	0	NM	171	2,653
South Carolina	73,370	88,834	-17.0%	65,168	72,702	7,956	14,895	0	NM	246	NM
Virginia	137,192	159,241	-14.0%	84,415	91,363	50,203	61,313	0	0	2,574	6,565
West Virginia	2,601	2,964	-12.0%	391	305	2,210	1,689	0	0	0	970
East South Central	477,100	692,168	-31.0%	278,709	365,645	198,291	294,589	0	1,751	100	30,183
Alabama	240,166	342,162	-30.0%	68,874	87,389	171,291	234,331	0	0	0	20,441
Kentucky	12,649	32,236	-61.0%	10,527	25,221	2,123	3,582	0	0	0	3,433
Mississippi	195,231	264,848	-26.0%	170,353	203,074	24,877	56,676	0	NM	0	4,766
Tennessee	29,054	52,923	-45.0%	28,954	49,961	0	0	0	1,418	100	1,543
West South Central	2,028,925	2,567,358	-21.0%	551,489	683,684	1,011,216	1,203,563	0	6,564	466,220	673,546
Arkansas	73,587	115,179	-36.0%	12,833	23,086	60,755	84,843	0	NM	0	7,245
Louisiana	344,758	463,204	-26.0%	145,535	180,537	57,855	80,000	0	NM	141,368	202,172
Oklahoma	196,272	276,006	-29.0%	148,248	193,291	48,024	77,984	0	NM	0	3,317
Texas	1,414,307	1,712,968	-17.0%	244,873	286,770	844,582	960,735	0	4,651	324,852	460,812
Mountain	446,263	541,566	-18.0%	278,508	316,017	167,310	207,658	0	NM	445	NM
Arizona	160,157	195,216	-18.0%	69,865	94,685	90,293	99,678	0	NM	0	NM
Colorado	62,033	70,951	-13.0%	33,730	39,291	28,303	31,398	0	NM	0	NM
Idaho	16,245	12,248	33.0%	8,425	4,192	7,821	6,877	0	0	0	1,179
Montana	0	1,384	-100.0%	0	1,182	0	202	0	0	0	0
Nevada	125,896	148,909	-15.0%	104,909	104,926	20,987	NM	0	NM	0	NM
New Mexico	49,981	60,842	-18.0%	33,533	38,060	16,447	NM	0	NM	0	NM
Utah	31,888	41,174	-23.0%	27,984	33,225	3,460	5,697	0	NM	445	NM
Wyoming	62	10,842	-99.0%	62	457	0	150	0	0	0	10,235
Pacific Contiguous	642,819	899,114	-29.0%	238,793	261,335	371,150	491,041	0	NM	32,876	NM
California	529,220	803,216	-34.0%	173,106	217,617	323,238	445,515	0	NM	32,876	NM
Oregon	69,165	59,586	16.0%	24,909	19,806	44,256	37,363	0	817	0	1,600
Washington	44,435	36,312	22.0%	40,779	23,912	3,656	8,163	0	1,646	0	2,590
Pacific Noncontiguous	18,195	33,979	-46.0%	18,195	33,119	0	0	0	67	0	794
Alaska	18,195	33,979	-46.0%	18,195	33,119	0	0	0	67	0	794
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	6,479,169	8,419,115	-23.0%	2,801,868	3,319,777	3,136,439	4,035,614	3,737	NM	537,126	989,263

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

Table 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, September 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012
New England	W	3.66	W	4.33	3.99	W	3.27
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.33	3.99	8.5%	4.33	3.99	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.57	2.49	3.2%	--	NM	2.57	2.49
New Jersey	3.98	3.91	1.8%	--	--	3.98	3.91
New York	3.04	3.06	-0.7%	--	NM	3.04	3.06
Pennsylvania	2.50	2.40	4.2%	--	--	2.50	2.40
East North Central	2.25	2.42	-7.0%	2.40	2.56	1.93	2.14
Illinois	1.85	1.97	-6.1%	2.04	2.10	1.82	1.95
Indiana	W	2.58	W	2.55	2.59	W	2.51
Michigan	W	W	W	2.59	2.90	W	W
Ohio	W	W	W	2.19	2.37	W	W
Wisconsin	2.32	2.47	-6.1%	2.32	2.47	--	--
West North Central	1.75	1.74	0.6%	1.75	1.74	--	--
Iowa	1.61	1.48	8.8%	1.61	1.48	--	--
Kansas	1.79	1.82	-1.6%	1.79	1.82	--	--
Minnesota	1.94	1.96	-1.0%	1.94	1.96	--	--
Missouri	1.89	1.85	2.2%	1.89	1.85	--	--
Nebraska	1.37	1.51	-9.3%	1.37	1.51	--	--
North Dakota	1.65	1.63	1.2%	1.65	1.63	--	--
South Dakota	1.97	2.10	-6.2%	1.97	2.10	--	--
South Atlantic	3.17	3.37	-5.9%	3.30	3.48	2.67	2.98
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.37	3.60	W	W
Georgia	3.02	3.36	-10.0%	3.02	3.36	--	--
Maryland	3.28	3.67	-11.0%	--	--	3.28	3.67
North Carolina	3.97	3.84	3.4%	3.97	3.87	--	3.25
South Carolina	3.73	3.89	-4.1%	3.73	3.89	--	--
Virginia	W	3.76	W	3.05	3.72	W	3.97
West Virginia	2.44	2.53	-3.6%	2.75	2.73	2.10	2.24
East South Central	W	W	W	2.49	2.70	W	W
Alabama	2.83	W	W	2.83	3.02	--	W
Kentucky	2.31	2.42	-4.5%	2.31	2.42	--	--
Mississippi	W	W	W	3.66	4.31	W	W
Tennessee	2.27	2.55	-11.0%	2.27	2.55	--	--
West South Central	2.07	1.99	4.0%	2.25	2.17	1.88	1.80
Arkansas	W	W	W	2.42	2.41	W	W
Louisiana	W	W	W	2.99	2.89	W	W
Oklahoma	W	W	W	2.00	1.93	W	W
Texas	1.93	1.86	3.8%	2.11	2.03	1.83	1.76
Mountain	W	1.84	W	2.00	1.89	W	1.40
Arizona	2.06	2.07	-0.5%	2.06	2.07	--	--
Colorado	1.89	W	W	1.89	1.87	--	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	NM	W	W
Nevada	W	W	W	2.89	2.87	W	W
New Mexico	2.37	2.12	12.0%	2.37	2.12	--	--
Utah	2.14	W	W	2.14	2.01	--	W
Wyoming	1.62	W	W	1.62	1.45	--	W
Pacific Contiguous	W	2.21	W	1.97	1.90	W	2.41
California	--	W	W	--	--	--	W
Oregon	1.97	1.90	3.7%	1.97	1.90	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	1.74	W	W
Alaska	--	W	W	--	1.74	--	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.33	2.38	-2.1%	2.38	2.43	2.20	2.22

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	W	3.79	W	4.27	3.96	W	3.68
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.27	3.96	7.8%	4.27	3.96	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.59	2.53	2.4%	--	NM	2.59	2.53
New Jersey	3.81	4.08	-6.6%	--	--	3.81	4.08
New York	2.98	3.29	-9.4%	--	NM	2.98	3.28
Pennsylvania	2.52	2.46	2.4%	--	--	2.52	2.46
East North Central	2.27	2.41	-5.8%	2.42	2.55	1.95	2.16
Illinois	1.88	1.93	-2.6%	2.08	2.10	1.85	1.91
Indiana	W	W	W	2.54	2.60	W	W
Michigan	W	W	W	2.69	2.93	W	W
Ohio	W	2.59	W	2.21	2.42	W	3.21
Wisconsin	2.32	2.37	-2.1%	2.32	2.37	--	--
West North Central	1.76	1.73	1.7%	1.76	1.73	--	--
Iowa	1.62	1.48	9.5%	1.62	1.48	--	--
Kansas	1.79	1.83	-2.2%	1.79	1.83	--	--
Minnesota	2.01	1.96	2.6%	2.01	1.96	--	--
Missouri	1.91	1.86	2.7%	1.91	1.86	--	--
Nebraska	1.44	1.55	-7.1%	1.44	1.55	--	--
North Dakota	1.56	1.50	4.0%	1.56	1.50	--	--
South Dakota	2.00	2.19	-8.7%	2.00	2.19	--	--
South Atlantic	3.23	3.37	-4.2%	3.34	3.47	2.79	2.93
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.43	3.49	W	W
Georgia	3.17	3.53	-10.0%	3.17	3.53	--	--
Maryland	3.48	3.56	-2.2%	--	--	3.48	3.56
North Carolina	3.88	3.80	2.1%	3.88	3.82	--	3.19
South Carolina	3.77	W	W	3.77	3.98	--	W
Virginia	W	W	W	3.27	3.68	W	W
West Virginia	2.49	2.52	-1.2%	2.71	2.67	2.16	2.24
East South Central	W	W	W	2.53	2.73	W	W
Alabama	2.80	W	W	2.80	3.02	--	W
Kentucky	2.35	2.46	-4.5%	2.35	2.46	--	--
Mississippi	W	W	W	3.96	4.40	W	W
Tennessee	2.41	2.64	-8.7%	2.41	2.64	--	--
West South Central	2.09	2.03	3.0%	2.26	2.10	1.91	1.96
Arkansas	W	W	W	2.38	2.18	W	W
Louisiana	W	W	W	2.90	2.79	W	W
Oklahoma	W	W	W	2.03	1.97	W	W
Texas	1.98	1.95	1.5%	2.17	1.99	1.86	1.92
Mountain	W	1.85	W	1.94	1.88	W	1.53
Arizona	2.06	2.07	-0.5%	2.06	2.07	--	--
Colorado	1.91	W	W	1.91	1.85	--	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.52	W	W
Nevada	W	W	W	2.71	2.54	W	W
New Mexico	2.33	2.20	5.9%	2.33	2.20	--	--
Utah	2.03	W	W	2.03	1.94	--	W
Wyoming	1.50	W	W	1.50	1.45	--	W
Pacific Contiguous	W	2.33	W	1.95	1.89	W	2.55
California	W	W	W	--	--	W	W
Oregon	1.95	1.89	3.2%	1.95	1.89	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	1.70	W	W
Alaska	--	W	W	--	1.70	--	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.34	2.40	-2.5%	2.38	2.44	2.20	2.28

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

Table 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, September 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012
New England	W	NM	W	21.98	NM	W	NM
Connecticut	W	NM	W	--	NM	W	NM
Maine	W	W	W	--	NM	W	W
Massachusetts	W	NM	W	21.95	NM	W	NM
New Hampshire	22.68	W	W	22.68	NM	--	W
Rhode Island	--	W	W	--	NM	--	W
Vermont	--	NM	--	--	NM	--	--
Middle Atlantic	20.61	23.34	-12.0%	24.37	22.83	20.44	23.70
New Jersey	W	23.47	W	--	NM	W	23.64
New York	W	23.26	W	24.37	22.86	W	NM
Pennsylvania	23.60	NM	NM	--	NM	23.60	NM
East North Central	23.32	24.06	-3.1%	23.14	24.10	23.49	23.80
Illinois	W	W	W	23.72	25.18	W	W
Indiana	22.99	W	W	22.99	24.11	--	W
Michigan	22.94	24.07	-4.7%	22.94	24.07	--	--
Ohio	W	23.95	W	23.37	23.94	W	24.05
Wisconsin	24.31	W	W	24.31	24.28	--	W
West North Central	23.40	23.43	-0.1%	23.40	23.41	--	NM
Iowa	23.02	W	W	23.02	24.17	--	W
Kansas	21.88	24.63	-11.0%	21.88	24.63	--	--
Minnesota	23.77	W	W	23.77	25.23	--	W
Missouri	23.55	W	W	23.55	19.08	--	W
Nebraska	23.75	NM	NM	23.75	NM	--	--
North Dakota	23.76	25.38	-6.4%	23.76	25.38	--	--
South Dakota	23.33	W	W	23.33	NM	--	W
South Atlantic	23.00	W	W	22.91	23.75	23.11	W
Delaware	W	24.91	W	--	NM	W	25.00
District of Columbia	--	--	--	--	--	--	--
Florida	W	NM	W	23.47	24.03	W	NM
Georgia	24.05	W	W	24.05	25.42	--	W
Maryland	W	23.78	W	--	NM	W	23.82
North Carolina	22.56	24.36	-7.4%	22.56	24.39	--	NM
South Carolina	23.61	17.65	34.0%	23.61	17.65	--	--
Virginia	W	W	W	21.81	24.02	W	W
West Virginia	22.89	W	W	22.89	24.18	--	W
East South Central	23.17	W	W	23.17	23.67	--	W
Alabama	23.52	W	W	23.52	24.46	--	W
Kentucky	23.15	23.57	-1.8%	23.15	23.57	--	--
Mississippi	23.62	NM	NM	23.62	NM	--	--
Tennessee	22.67	23.48	-3.4%	22.67	23.48	--	--
West South Central	22.32	W	W	21.96	23.96	22.75	W
Arkansas	W	W	W	--	--	W	W
Louisiana	W	W	W	21.85	NM	W	W
Oklahoma	--	NM	--	--	NM	--	--
Texas	W	23.42	W	23.55	23.47	W	23.39
Mountain	W	25.58	W	24.19	26.12	W	19.65
Arizona	25.55	28.48	-10.0%	25.55	28.48	--	--
Colorado	--	23.33	--	--	23.33	--	--
Idaho	--	NM	--	--	NM	--	--
Montana	W	W	W	--	NM	W	W
Nevada	W	W	W	25.92	27.41	W	W
New Mexico	24.60	W	W	24.60	27.79	--	W
Utah	22.18	W	W	22.18	26.19	--	W
Wyoming	22.84	25.53	-11.0%	22.84	25.53	--	--
Pacific Contiguous	W	W	W	--	24.93	W	W
California	--	W	W	--	25.23	--	W
Oregon	--	24.62	--	--	24.62	--	--
Washington	W	W	W	--	NM	W	W
Pacific Noncontiguous	W	W	W	21.21	21.48	W	W
Alaska	--	23.46	--	--	23.46	--	--
Hawaii	W	W	W	21.21	21.31	W	W
U.S. Total	20.17	22.21	-9.2%	21.66	22.01	18.62	22.99

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	W	W	W	17.17	21.66	W	W
Connecticut	20.19	W	W	--	NM	20.19	W
Maine	W	W	W	--	NM	W	W
Massachusetts	18.24	19.91	-8.4%	21.95	NM	18.13	19.95
New Hampshire	16.76	W	W	16.76	22.62	--	W
Rhode Island	W	W	W	--	NM	W	W
Vermont	--	NM	--	--	NM	--	--
Middle Atlantic	20.37	21.66	-6.0%	21.86	21.30	19.88	21.87
New Jersey	21.23	21.04	0.9%	--	NM	21.23	21.11
New York	19.96	21.66	-7.8%	21.86	21.31	19.08	22.14
Pennsylvania	21.92	21.75	0.8%	--	NM	21.92	21.75
East North Central	23.01	22.87	0.6%	22.96	22.77	23.18	23.47
Illinois	W	W	W	23.62	23.60	W	W
Indiana	23.00	W	W	23.00	22.90	--	W
Michigan	W	22.59	W	22.91	22.59	W	--
Ohio	23.03	22.80	1.0%	22.98	22.80	23.14	22.83
Wisconsin	W	W	W	22.55	22.38	W	W
West North Central	22.74	22.27	2.1%	22.74	22.26	--	NM
Iowa	22.67	W	W	22.67	22.94	--	W
Kansas	22.61	22.48	0.6%	22.61	22.48	--	--
Minnesota	24.34	W	W	24.34	23.65	--	W
Missouri	22.07	W	W	22.07	20.37	--	W
Nebraska	22.52	22.87	-1.5%	22.52	22.87	--	--
North Dakota	23.18	23.90	-3.0%	23.18	23.90	--	--
South Dakota	23.31	W	W	23.31	21.72	--	W
South Atlantic	W	W	W	20.19	21.46	W	W
Delaware	W	23.56	W	--	NM	W	23.64
District of Columbia	--	W	W	--	--	--	W
Florida	W	19.95	W	18.79	20.69	W	NM
Georgia	W	W	W	23.56	24.21	W	W
Maryland	21.82	22.49	-3.0%	--	NM	21.82	22.57
North Carolina	W	23.03	W	22.78	23.06	W	NM
South Carolina	23.30	20.78	12.0%	23.30	20.78	--	--
Virginia	W	20.11	W	17.68	18.76	W	23.09
West Virginia	23.68	W	W	23.68	23.21	--	W
East South Central	22.61	W	W	22.61	22.49	--	W
Alabama	22.34	W	W	22.34	22.71	--	W
Kentucky	22.70	22.62	0.4%	22.70	22.62	--	--
Mississippi	21.68	22.05	-1.7%	21.68	22.05	--	--
Tennessee	22.74	22.00	3.4%	22.74	22.00	--	--
West South Central	22.32	22.51	-0.8%	22.48	22.84	22.24	22.26
Arkansas	W	W	W	22.54	23.10	W	W
Louisiana	W	W	W	22.03	22.07	W	W
Oklahoma	22.29	22.58	-1.3%	22.29	22.58	--	--
Texas	W	W	W	22.68	23.03	W	W
Mountain	W	23.26	W	23.85	23.70	W	20.01
Arizona	24.65	23.82	3.5%	24.65	23.82	--	--
Colorado	21.90	W	W	21.90	22.38	--	W
Idaho	--	NM	--	--	NM	--	--
Montana	W	18.00	W	--	NM	W	17.29
Nevada	W	W	W	24.01	25.13	W	W
New Mexico	24.65	W	W	24.65	25.37	--	W
Utah	21.98	W	W	21.98	23.37	--	W
Wyoming	23.27	22.47	3.6%	23.27	22.47	--	--
Pacific Contiguous	W	W	W	23.18	24.32	W	W
California	--	W	W	--	24.78	--	W
Oregon	22.05	22.38	-1.5%	22.05	22.38	--	--
Washington	W	W	W	23.63	NM	W	W
Pacific Noncontiguous	W	W	W	20.54	22.29	W	W
Alaska	--	23.34	--	--	23.34	--	--
Hawaii	W	W	W	20.54	22.14	W	W
U.S. Total	20.61	22.27	-7.5%	20.88	22.22	20.04	22.44

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

Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, September 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	W	W	--	--	--	W
New Jersey	--	--	--	--	--	--	--
New York	--	W	W	--	--	--	W
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.38	3.76	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	4.24	--	--	4.24	--	--
Michigan	W	W	W	1.38	--	W	W
Ohio	--	W	W	--	--	--	W
Wisconsin	--	1.64	--	--	1.64	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.54	2.72	-6.6%	2.54	2.72	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.54	2.72	-6.6%	2.54	2.72	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.73	1.83	-5.5%	1.73	1.83	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.73	1.83	-5.5%	1.73	1.83	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.83	2.15	-15.0%	1.83	2.15	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.83	2.15	-15.0%	1.83	2.15	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	W	W	--	--	--	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	W	W	--	--	--	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	W	W	--	--	--	W
California	--	W	W	--	--	--	W
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	2.38	W	2.09	2.50	W	1.85

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	W	W	--	--	--	W
New Jersey	--	--	--	--	--	--	--
New York	--	W	W	--	--	--	W
Pennsylvania	--	--	--	--	--	--	--
East North Central	W	W	W	1.55	3.80	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	4.40	--	--	4.40	--	--
Michigan	W	W	W	1.44	--	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	1.72	1.67	3.0%	1.72	1.67	--	--
West North Central	--	NM	--	--	NM	--	--
Iowa	--	NM	--	--	NM	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.64	2.67	-1.1%	2.64	2.67	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.64	2.67	-1.1%	2.64	2.67	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.82	1.83	-0.5%	1.82	1.83	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.82	1.83	-0.5%	1.82	1.83	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.96	W	W	1.96	1.98	--	W
Arkansas	--	--	--	--	--	--	--
Louisiana	1.96	1.98	-1.0%	1.96	1.98	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	W	W	--	--	--	W
Mountain	--	W	W	--	--	--	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	W	W	--	--	--	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	W	W	--	--	--	W
California	--	W	W	--	--	--	W
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	2.55	W	2.16	2.28	W	3.16

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Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, September 2013 and 2012
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2013	September 2012	Percentage Change	September 2013	September 2012	September 2013	September 2012
New England	3.90	3.28	19.0%	4.83	3.77	3.89	3.28
Connecticut	3.99	3.29	21.0%	--	NM	3.99	3.29
Maine	W	W	W	--	--	W	W
Massachusetts	3.85	3.16	22.0%	4.77	3.69	3.84	3.16
New Hampshire	W	W	W	5.31	6.17	W	W
Rhode Island	3.80	3.46	9.8%	--	--	3.80	3.46
Vermont	--	4.01	--	--	4.01	--	--
Middle Atlantic	3.84	3.35	15.0%	4.17	3.31	3.79	3.35
New Jersey	3.34	3.40	-1.8%	--	--	3.34	3.40
New York	4.22	3.51	20.0%	4.17	3.31	4.24	3.59
Pennsylvania	3.69	3.10	19.0%	--	NM	3.69	3.10
East North Central	4.09	3.25	26.0%	4.15	3.19	4.05	3.28
Illinois	W	3.56	W	4.55	3.87	W	3.53
Indiana	W	3.02	W	3.98	2.95	W	3.17
Michigan	4.37	3.41	28.0%	4.14	3.39	4.47	3.42
Ohio	3.76	3.03	24.0%	3.94	2.98	3.69	3.05
Wisconsin	4.38	3.39	29.0%	4.50	3.72	4.25	3.06
West North Central	4.29	3.59	19.0%	4.30	3.60	4.21	3.51
Iowa	4.24	3.63	17.0%	4.24	3.63	--	--
Kansas	4.06	3.28	24.0%	4.06	3.28	--	--
Minnesota	W	W	W	4.41	4.27	W	W
Missouri	W	W	W	4.39	3.35	W	W
Nebraska	4.50	4.49	0.2%	4.50	4.49	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	4.03	3.85	4.7%	4.03	3.85	--	--
South Atlantic	4.69	4.17	12.0%	4.77	4.40	4.13	3.26
Delaware	--	W	W	--	NM	--	W
District of Columbia	--	NM	--	--	NM	--	--
Florida	W	4.64	W	5.04	4.78	W	3.25
Georgia	4.25	3.41	25.0%	4.23	3.39	4.45	3.44
Maryland	4.02	3.29	22.0%	--	--	4.02	3.29
North Carolina	W	W	W	4.63	4.37	W	W
South Carolina	W	W	W	4.44	3.80	W	W
Virginia	3.84	3.11	23.0%	3.99	3.23	3.59	2.95
West Virginia	3.75	3.18	18.0%	3.47	3.10	3.79	3.37
East South Central	3.91	3.06	28.0%	3.89	3.00	3.95	3.13
Alabama	W	3.19	W	3.90	3.18	W	3.19
Kentucky	W	W	W	6.67	4.60	W	W
Mississippi	W	W	W	3.80	2.87	W	W
Tennessee	3.72	2.80	33.0%	3.72	2.80	--	--
West South Central	3.76	2.98	26.0%	3.86	2.99	3.69	2.97
Arkansas	W	W	W	4.29	3.41	W	W
Louisiana	3.73	2.94	27.0%	3.84	2.99	3.47	2.84
Oklahoma	W	W	W	3.89	2.96	W	W
Texas	3.73	2.98	25.0%	3.81	2.98	3.70	2.98
Mountain	4.16	3.40	22.0%	4.26	3.46	3.95	3.34
Arizona	4.34	3.48	25.0%	4.79	3.71	3.85	3.29
Colorado	4.32	3.85	12.0%	4.43	3.84	4.22	3.85
Idaho	W	W	W	3.79	3.88	W	W
Montana	--	W	W	--	NM	--	W
Nevada	W	3.24	W	4.04	3.27	W	NM
New Mexico	4.12	W	W	4.12	3.50	--	W
Utah	3.73	W	W	3.73	2.84	--	W
Wyoming	13.19	W	W	13.19	NM	--	W
Pacific Contiguous	4.13	3.49	18.0%	4.33	3.75	3.97	3.36
California	4.29	3.54	21.0%	4.63	3.82	4.06	3.42
Oregon	W	W	W	3.66	2.74	W	W
Washington	W	W	W	3.91	4.17	W	W
Pacific Noncontiguous	5.08	3.93	29.0%	5.08	3.93	--	--
Alaska	5.08	3.93	29.0%	5.08	3.93	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.11	3.44	19.0%	4.36	3.72	3.84	3.21

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

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2013 YTD	September 2012 YTD	Percentage Change	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	5.77	3.36	72.0%	6.89	4.20	5.77	3.35
Connecticut	5.98	3.35	79.0%	--	3.24	5.98	3.35
Maine	W	W	W	--	--	W	W
Massachusetts	5.66	3.28	73.0%	6.28	4.10	5.65	3.27
New Hampshire	W	W	W	8.70	5.41	W	W
Rhode Island	5.51	3.52	57.0%	--	--	5.51	3.52
Vermont	--	3.77	--	--	3.77	--	--
Middle Atlantic	4.56	3.32	37.0%	5.05	3.52	4.48	3.29
New Jersey	4.24	3.37	26.0%	--	--	4.24	3.37
New York	5.13	3.57	44.0%	5.05	3.52	5.16	3.59
Pennsylvania	4.02	2.96	36.0%	--	NM	4.02	2.96
East North Central	4.12	2.96	39.0%	4.12	2.96	4.12	2.96
Illinois	W	3.13	W	4.73	3.18	W	3.12
Indiana	W	2.87	W	3.98	2.83	W	2.99
Michigan	4.45	3.01	48.0%	4.41	3.01	4.47	3.01
Ohio	3.84	2.82	36.0%	3.84	2.78	3.84	2.83
Wisconsin	4.34	3.04	43.0%	4.44	3.21	4.22	2.85
West North Central	4.42	3.33	33.0%	4.43	3.38	4.37	2.99
Iowa	4.35	W	W	4.35	3.57	--	W
Kansas	4.33	3.05	42.0%	4.33	3.05	--	--
Minnesota	W	W	W	4.54	3.59	W	W
Missouri	W	W	W	4.39	3.30	W	W
Nebraska	4.72	3.66	29.0%	4.72	3.66	--	--
North Dakota	--	NM	--	--	NM	--	--
South Dakota	3.98	3.30	21.0%	3.98	3.30	--	--
South Atlantic	4.76	4.02	18.0%	4.83	4.29	4.30	3.11
Delaware	--	W	W	--	3.04	--	W
District of Columbia	--	3.04	--	--	3.04	--	--
Florida	W	4.57	W	5.05	4.72	W	3.10
Georgia	4.33	3.13	38.0%	4.31	3.15	4.42	3.12
Maryland	4.57	3.04	50.0%	--	--	4.57	3.04
North Carolina	W	W	W	4.78	4.17	W	W
South Carolina	W	W	W	4.54	3.43	W	W
Virginia	4.12	3.12	32.0%	4.27	3.15	3.86	3.08
West Virginia	W	3.16	W	3.82	3.02	W	3.19
East South Central	3.99	2.85	40.0%	3.96	2.83	4.03	2.87
Alabama	4.04	2.92	38.0%	3.99	2.98	4.07	2.90
Kentucky	W	3.25	W	5.42	3.29	W	2.96
Mississippi	W	2.74	W	3.85	2.73	W	2.77
Tennessee	4.02	2.69	49.0%	4.02	2.69	--	--
West South Central	3.86	2.80	38.0%	3.97	2.87	3.80	2.76
Arkansas	4.18	2.98	40.0%	5.61	3.70	3.88	2.79
Louisiana	3.85	2.76	39.0%	3.91	2.79	3.71	2.68
Oklahoma	3.93	2.83	39.0%	3.96	2.90	3.82	2.67
Texas	3.83	2.78	38.0%	3.93	2.83	3.80	2.77
Mountain	4.32	3.27	32.0%	4.42	3.33	4.08	3.19
Arizona	4.46	3.29	36.0%	4.86	3.52	3.99	3.07
Colorado	4.63	3.72	24.0%	4.71	3.73	4.54	3.72
Idaho	W	W	W	4.16	3.76	W	W
Montana	--	W	W	--	3.21	--	W
Nevada	W	3.18	W	4.28	3.21	W	3.12
New Mexico	4.17	W	W	4.17	3.21	--	W
Utah	3.91	W	W	3.91	2.79	--	W
Wyoming	8.24	W	W	8.24	3.54	--	W
Pacific Contiguous	4.21	3.31	27.0%	4.50	3.62	3.97	3.15
California	4.32	3.34	29.0%	4.71	3.67	4.04	3.18
Oregon	W	W	W	3.68	2.91	W	W
Washington	W	W	W	4.28	3.82	W	W
Pacific Noncontiguous	4.68	4.10	14.0%	4.68	4.10	--	--
Alaska	4.68	4.10	14.0%	4.68	4.10	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.35	3.27	33.0%	4.47	3.55	4.22	3.04

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

Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, September 2013

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	118	1.58	8.2	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	3	0.89	8.2	0	--	--	0	--	--
Massachusetts	55	0.70	8.9	0	--	--	0	--	--
New Hampshire	61	2.29	7.7	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	3,038	2.98	10.9	41	0.19	5.3	0	--	--
New Jersey	95	1.52	8.7	0	--	--	0	--	--
New York	95	2.44	10.2	41	0.19	5.3	0	--	--
Pennsylvania	2,848	3.05	11.0	0	--	--	0	--	--
East North Central	6,945	3.00	10.1	8,992	0.26	4.8	0	--	--
Illinois	767	3.54	19.4	4,553	0.22	4.7	0	--	--
Indiana	2,695	2.71	9.2	232	0.30	5.4	0	--	--
Michigan	298	1.38	9.1	2,193	0.31	5.0	0	--	--
Ohio	3,028	3.34	9.4	112	0.35	5.6	0	--	--
Wisconsin	157	2.16	7.4	1,902	0.26	4.9	0	--	--
West North Central	82	3.22	10.4	9,289	0.28	5.1	1,608	0.81	10.3
Iowa	33	3.50	8.0	1,583	0.28	4.9	0	--	--
Kansas	24	3.31	15.3	1,665	0.33	5.0	0	--	--
Minnesota	0	--	--	1,025	0.37	5.8	0	--	--
Missouri	25	2.80	9.1	3,588	0.23	4.7	0	--	--
Nebraska	0	--	--	1,272	0.30	5.4	0	--	--
North Dakota	0	--	--	0	--	--	1,608	0.81	10.3
South Dakota	0	--	--	156	0.53	7.7	0	--	--
South Atlantic	8,280	2.04	10.7	1,313	0.29	4.8	0	--	--
Delaware	57	2.16	7.6	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,685	2.05	9.4	0	--	--	0	--	--
Georgia	636	1.52	9.3	1,267	0.29	4.8	0	--	--
Maryland	568	1.84	9.7	46	0.21	4.6	0	--	--
North Carolina	1,256	1.53	9.8	0	--	--	0	--	--
South Carolina	773	1.70	8.6	0	--	--	0	--	--
Virginia	961	0.95	15.7	0	--	--	0	--	--
West Virginia	2,345	3.03	11.8	0	--	--	0	--	--
East South Central	4,867	2.50	9.7	1,832	0.27	5.1	318	0.48	14.8
Alabama	884	1.54	10.5	1,000	0.25	5.1	0	--	--
Kentucky	3,009	2.96	9.8	199	0.26	4.8	0	--	--
Mississippi	229	1.77	10.3	0	--	--	318	0.48	14.8
Tennessee	745	2.04	8.6	632	0.30	5.0	0	--	--
West South Central	81	2.37	14.3	8,725	0.28	5.1	4,337	0.96	16.3
Arkansas	0	--	--	1,669	0.27	5.2	0	--	--
Louisiana	47	3.23	7.9	938	0.28	5.1	292	0.82	16.8
Oklahoma	34	1.14	23.3	1,098	0.26	5.0	0	--	--
Texas	0	--	--	5,020	0.28	5.2	4,045	0.97	16.3
Mountain	2,492	0.61	14.5	5,533	0.55	9.6	0	--	--
Arizona	691	0.60	10.6	1,010	0.74	11.3	0	--	--
Colorado	227	0.45	10.3	1,091	0.31	5.9	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	558	0.69	9.3	0	--	--
Nevada	60	0.31	12.5	178	0.37	7.6	0	--	--
New Mexico	526	0.79	26.3	606	0.79	22.9	0	--	--
Utah	988	0.59	13.1	60	1.13	9.2	0	--	--
Wyoming	0	--	--	2,030	0.46	7.2	0	--	--
Pacific Contiguous	66	0.44	9.6	758	0.38	7.7	0	--	--
California	66	0.44	9.6	0	--	--	0	--	--
Oregon	0	--	--	221	0.31	4.6	0	--	--
Washington	0	--	--	537	0.41	8.9	0	--	--
Pacific Noncontiguous	63	1.26	4.3	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	63	1.26	4.3	0	--	--	0	--	--
U.S. Total	26,032	2.37	10.7	36,483	0.32	5.8	6,262	0.90	14.8

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

Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilties by State, September 2013

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	61	2.29	7.7	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	61	2.29	7.7	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	5,663	2.95	9.3	4,578	0.29	5.0	0	--	--
Illinois	227	3.37	12.4	279	0.25	4.8	0	--	--
Indiana	2,555	2.70	9.1	232	0.30	5.4	0	--	--
Michigan	273	1.41	9.2	2,185	0.31	5.0	0	--	--
Ohio	2,502	3.38	9.3	0	--	--	0	--	--
Wisconsin	107	2.12	7.4	1,882	0.26	4.9	0	--	--
West North Central	43	2.98	12.4	9,220	0.28	5.1	1,608	0.81	10.3
Iowa	0	--	--	1,514	0.28	4.9	0	--	--
Kansas	24	3.31	15.3	1,665	0.33	5.0	0	--	--
Minnesota	0	--	--	1,025	0.37	5.8	0	--	--
Missouri	20	2.61	9.2	3,588	0.23	4.7	0	--	--
Nebraska	0	--	--	1,272	0.30	5.4	0	--	--
North Dakota	0	--	--	0	--	--	1,608	0.81	10.3
South Dakota	0	--	--	156	0.53	7.7	0	--	--
South Atlantic	6,363	1.82	10.6	1,267	0.29	4.8	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,607	2.10	9.2	0	--	--	0	--	--
Georgia	603	1.55	9.2	1,267	0.29	4.8	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,256	1.53	9.8	0	--	--	0	--	--
South Carolina	771	1.71	8.6	0	--	--	0	--	--
Virginia	878	0.90	16.4	0	--	--	0	--	--
West Virginia	1,248	2.58	11.2	0	--	--	0	--	--
East South Central	4,744	2.54	9.8	1,832	0.27	5.1	0	--	--
Alabama	884	1.54	10.5	1,000	0.25	5.1	0	--	--
Kentucky	3,009	2.96	9.8	199	0.26	4.8	0	--	--
Mississippi	227	1.76	10.3	0	--	--	0	--	--
Tennessee	624	2.27	8.7	632	0.30	5.0	0	--	--
West South Central	47	3.23	7.9	5,340	0.27	5.1	882	1.05	18.0
Arkansas	0	--	--	1,472	0.27	5.2	0	--	--
Louisiana	47	3.23	7.9	299	0.27	5.2	292	0.82	16.8
Oklahoma	0	--	--	1,056	0.26	5.1	0	--	--
Texas	0	--	--	2,513	0.27	5.1	590	1.17	18.7
Mountain	2,468	0.61	14.6	4,928	0.53	9.7	0	--	--
Arizona	691	0.60	10.6	1,010	0.74	11.3	0	--	--
Colorado	227	0.45	10.3	1,091	0.31	5.9	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	60	0.31	12.5	132	0.39	8.5	0	--	--
New Mexico	526	0.79	26.3	606	0.79	22.9	0	--	--
Utah	964	0.60	13.1	60	1.13	9.2	0	--	--
Wyoming	0	--	--	2,030	0.46	7.2	0	--	--
Pacific Contiguous	0	--	--	221	0.31	4.6	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	221	0.31	4.6	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	19,389	2.20	10.4	27,386	0.33	5.9	2,490	0.90	13.0

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

Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, September 2013

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	56	0.71	8.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	1	1.05	8.8	0	--	--	0	--	--
Massachusetts	55	0.70	8.9	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	3,008	3.00	10.9	41	0.19	5.3	0	--	--
New Jersey	95	1.52	8.7	0	--	--	0	--	--
New York	70	2.87	11.0	41	0.19	5.3	0	--	--
Pennsylvania	2,843	3.05	11.0	0	--	--	0	--	--
East North Central	1,091	3.24	15.1	4,345	0.22	4.7	0	--	--
Illinois	422	3.67	27.7	4,225	0.22	4.6	0	--	--
Indiana	140	2.90	10.3	0	--	--	0	--	--
Michigan	16	1.14	8.4	8	0.22	4.7	0	--	--
Ohio	513	3.14	9.5	112	0.35	5.6	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	1,791	2.83	11.3	46	0.21	4.6	0	--	--
Delaware	57	2.16	7.6	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	78	1.00	11.6	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	548	1.82	9.4	46	0.21	4.6	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	43	0.76	9.5	0	--	--	0	--	--
West Virginia	1,065	3.62	12.5	0	--	--	0	--	--
East South Central	2	3.01	8.3	0	--	--	318	0.48	14.8
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	2	3.01	8.3	0	--	--	318	0.48	14.8
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	34	1.14	23.3	3,385	0.30	5.2	3,455	0.94	15.9
Arkansas	0	--	--	197	0.26	5.0	0	--	--
Louisiana	0	--	--	639	0.29	5.0	0	--	--
Oklahoma	34	1.14	23.3	42	0.26	4.7	0	--	--
Texas	0	--	--	2,507	0.30	5.2	3,455	0.94	15.9
Mountain	0	--	--	604	0.66	9.0	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	558	0.69	9.3	0	--	--
Nevada	0	--	--	46	0.30	4.9	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	537	0.41	8.9	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	537	0.41	8.9	0	--	--
Pacific Noncontiguous	63	1.26	4.3	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	63	1.26	4.3	0	--	--	0	--	--
U.S. Total	6,045	2.94	11.7	8,959	0.29	5.4	3,772	0.91	15.9

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

Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Sector by State, September 2013

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	1	2.46	9.4	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	1	2.46	9.4	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	5	3.50	9.1	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	5	3.50	9.1	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	0	--	--	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	0	--	--	0	--	--
Arkansas	0	--	--	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	0	--	--	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	6	3.37	9.1	0	--	--	0	--	--

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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See Glossary for definitions. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Sector by State, September 2013

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	2	0.82	7.9	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	2	0.82	7.9	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	29	1.51	8.8	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	24	1.38	8.3	0	--	--	0	--	--
Pennsylvania	5	2.22	11.2	0	--	--	0	--	--
East North Central	190	3.03	8.3	69	0.37	5.4	0	--	--
Illinois	118	3.50	8.5	49	0.41	5.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	7	0.57	9.0	0	--	--	0	--	--
Ohio	14	3.81	10.0	0	--	--	0	--	--
Wisconsin	50	2.25	7.4	20	0.26	5.0	0	--	--
West North Central	33	3.50	8.0	69	0.22	4.4	0	--	--
Iowa	33	3.50	8.0	69	0.22	4.4	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	126	1.57	11.8	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	33	0.98	11.5	0	--	--	0	--	--
Maryland	20	2.58	18.5	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	2	0.96	7.7	0	--	--	0	--	--
Virginia	40	1.99	8.7	0	--	--	0	--	--
West Virginia	32	1.05	12.2	0	--	--	0	--	--
East South Central	121	0.92	8.3	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	121	0.92	8.3	0	--	--	0	--	--
West South Central	0	--	--	0	--	--	0	--	--
Arkansas	0	--	--	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	24	0.30	9.9	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	24	0.30	9.9	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	66	0.44	9.6	0	--	--	0	--	--
California	66	0.44	9.6	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	591	1.79	9.3	138	0.29	4.9	0	--	--

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NM = Not meaningful due to large relative standard error or excessive percentage change.
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See Glossary for definitions. Values for 2012 and 2013 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 5.1. Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - September 2013 (Million Kilowatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2003	1,275,824	1,198,728	1,012,373	6,810	3,493,734
2004	1,291,982	1,230,425	1,017,850	7,224	3,547,479
2005	1,359,227	1,275,079	1,019,156	7,506	3,660,969
2006	1,351,520	1,299,744	1,011,298	7,358	3,669,919
2007	1,392,241	1,336,315	1,027,832	8,173	3,764,561
2008	1,379,981	1,335,981	1,009,300	7,700	3,732,962
2009	1,364,474	1,307,168	917,442	7,781	3,596,865
2010	1,445,708	1,330,199	970,873	7,712	3,754,493
2011	1,422,801	1,328,057	991,316	7,672	3,749,846
2012	1,374,594	1,323,844	980,837	7,504	3,686,780
2011					
January	145,054	108,243	80,077	710	334,084
February	120,121	99,789	76,332	637	296,879
March	104,921	104,263	82,196	664	292,044
April	93,700	100,505	80,356	629	275,190
May	97,688	107,624	82,095	619	288,026
June	125,983	118,169	83,941	643	328,736
July	154,729	128,063	87,245	650	370,686
August	153,739	129,371	89,014	625	372,749
Sept	122,720	117,951	84,959	634	326,263
October	94,585	108,655	84,287	616	288,144
November	93,220	100,552	80,858	590	275,220
December	116,341	104,873	79,956	656	301,826
2012					
January	126,208	105,118	78,821	666	310,813
February	107,951	99,682	77,898	646	286,177
March	99,153	101,930	80,911	619	282,613
April	88,300	100,839	80,604	604	270,348
May	100,478	110,062	84,273	606	295,420
June	122,992	117,651	83,202	610	324,455
July	154,649	128,157	86,762	642	370,210
August	147,991	127,713	87,629	650	363,984
Sept	119,201	116,483	81,560	628	317,873
October	96,707	110,111	82,600	619	290,037
November	97,174	102,546	78,877	580	279,178
December	113,791	103,551	77,698	632	295,673
2013					
January	131,252	107,415	78,152	664	317,482
February	112,869	100,765	74,402	646	288,683
March	111,822	103,963	78,079	631	294,496
April	95,334	101,380	77,691	625	275,029
May	94,537	108,685	82,068	621	285,911
June	117,736	117,674	81,376	631	317,416
July	143,456	126,654	83,703	637	354,450
August	137,754	127,239	84,810	634	350,437
Sept	121,235	118,826	80,360	630	321,051
Year to Date					
2011	1,118,655	1,013,977	746,214	5,810	2,884,656
2012	1,066,922	1,007,636	741,662	5,672	2,821,893
2013	1,065,996	1,012,600	720,642	5,718	2,804,956
Rolling 12 Months Ending in September					
2012	1,371,069	1,321,717	986,763	7,534	3,687,082
2013	1,373,668	1,328,808	959,817	7,550	3,669,843

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 2011 and prior years are final. Values for 2013 and 2012 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.

Table 5.2. Revenue from Retail Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - September 2013 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2003	111,249	96,263	51,741	514	259,767
2004	115,577	100,546	53,477	519	270,119
2005	128,393	110,522	58,445	643	298,003
2006	140,582	122,914	62,308	702	326,506
2007	148,295	128,903	65,712	792	343,703
2008	155,433	138,469	68,920	827	363,650
2009	157,008	132,940	62,504	828	353,280
2010	166,782	135,559	65,750	815	368,906
2011	166,714	135,926	67,606	803	371,049
2012	163,352	133,908	65,691	754	363,705
2011					
January	15,770	10,590	5,228	73	31,662
February	13,286	9,968	5,058	67	28,380
March	12,090	10,354	5,369	68	27,881
April	10,936	10,015	5,243	63	26,257
May	11,656	10,962	5,481	66	28,166
June	15,079	12,592	5,993	71	33,736
July	18,709	13,661	6,381	73	38,824
August	18,582	13,874	6,583	68	39,107
Sept	14,934	12,494	6,076	68	33,572
October	11,427	11,142	5,706	63	28,338
November	10,982	10,034	5,281	59	26,355
December	13,262	10,241	5,205	64	28,772
2012					
January	14,371	10,332	5,089	65	29,857
February	12,431	9,931	5,051	62	27,475
March	11,625	10,071	5,247	61	27,004
April	10,517	9,915	5,158	61	25,651
May	11,999	11,018	5,523	59	28,599
June	14,869	12,254	5,754	62	32,939
July	18,564	13,349	6,202	68	38,183
August	18,014	13,318	6,227	67	37,625
Sept	14,696	12,294	5,718	65	32,774
October	11,633	11,132	5,490	61	28,317
November	11,411	10,128	5,150	60	26,749
December	13,220	10,165	5,081	64	28,531
2013					
January	15,053	10,509	5,040	68	30,670
February	13,105	10,113	4,907	67	28,192
March	12,959	10,385	5,142	64	28,550
April	11,368	10,098	5,060	64	26,590
May	11,718	11,095	5,477	65	28,355
June	14,768	12,596	5,805	67	33,236
July	18,087	13,687	6,124	69	37,967
August	17,232	13,657	6,132	68	37,089
Sept	15,184	12,579	5,722	69	33,554
Year to Date					
2011	131,044	104,510	51,413	617	287,584
2012	127,087	102,482	49,969	569	280,108
2013	129,475	104,719	49,409	601	284,204
Rolling 12 Months Ending in September					
2012	162,758	133,899	66,162	755	363,573
2013	165,739	136,145	65,131	786	367,801

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 2011 and prior years are final. Values for 2013 and 2012 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.

Table 5.3. Average Retail Price of Electricity to Ultimate Customers: Total by End-Use Sector, 2003 - September 2013 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2003	8.72	8.03	5.11	7.54	7.44
2004	8.95	8.17	5.25	7.18	7.61
2005	9.45	8.67	5.73	8.57	8.14
2006	10.40	9.46	6.16	9.54	8.90
2007	10.65	9.65	6.39	9.70	9.13
2008	11.26	10.36	6.83	10.74	9.74
2009	11.51	10.17	6.81	10.65	9.82
2010	11.54	10.19	6.77	10.57	9.83
2011	11.72	10.23	6.82	10.46	9.90
2012	11.88	10.12	6.70	10.05	9.87
2011					
January	10.87	9.78	6.53	10.29	9.48
February	11.06	9.99	6.63	10.55	9.56
March	11.52	9.93	6.53	10.24	9.55
April	11.67	9.96	6.53	9.97	9.54
May	11.93	10.19	6.68	10.70	9.78
June	11.97	10.66	7.14	11.01	10.26
July	12.09	10.67	7.31	11.21	10.47
August	12.09	10.72	7.40	10.82	10.49
Sept	12.17	10.59	7.15	10.80	10.29
October	12.08	10.25	6.77	10.25	9.83
November	11.78	9.98	6.53	9.93	9.58
December	11.40	9.77	6.51	9.79	9.53
2012					
January	11.39	9.83	6.46	9.69	9.61
February	11.52	9.96	6.48	9.55	9.60
March	11.72	9.88	6.48	9.83	9.56
April	11.91	9.83	6.40	10.02	9.49
May	11.94	10.01	6.55	9.76	9.68
June	12.09	10.42	6.92	10.22	10.15
July	12.00	10.42	7.15	10.57	10.31
August	12.17	10.43	7.11	10.29	10.34
Sept	12.33	10.55	7.01	10.39	10.31
October	12.03	10.11	6.65	9.88	9.76
November	11.74	9.88	6.53	10.30	9.58
December	11.62	9.82	6.54	10.14	9.65
2013					
January	11.47	9.78	6.45	10.20	9.66
February	11.61	10.04	6.59	10.41	9.77
March	11.59	9.99	6.59	10.20	9.69
April	11.92	9.96	6.51	10.23	9.67
May	12.40	10.21	6.67	10.45	9.92
June	12.54	10.70	7.13	10.70	10.47
July	12.61	10.81	7.32	10.90	10.71
August	12.51	10.73	7.23	10.67	10.58
Sept	12.52	10.59	7.12	10.91	10.45
Year to Date					
2011	11.71	10.31	6.89	10.62	9.97
2012	11.91	10.17	6.74	10.03	9.93
2013	12.15	10.34	6.86	10.52	10.13
Rolling 12 Months Ending in September					
2012	11.87	10.13	6.70	10.02	9.86
2013	12.07	10.25	6.79	10.42	10.02

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 2011 and prior years are final. Values for 2013 and 2012 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.

Table 5.4.A. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, September 2013 and 2012 (Million Kilowatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	3,870	3,898	3,842	3,784	2,332	2,391	43	44	10,087	10,118
Connecticut	1,052	1,105	1,135	1,161	295	304	14	15	2,496	2,585
Maine	333	330	338	326	242	237	0	0	913	893
Massachusetts	1,692	1,687	1,487	1,425	1,426	1,475	27	27	4,632	4,614
New Hampshire	382	390	405	415	178	175	0	0	965	980
Rhode Island	258	245	310	291	77	71	2	2	647	609
Vermont	154	142	166	165	115	130	0	0	435	438
Middle Atlantic	10,770	12,014	13,636	14,289	5,798	5,884	344	338	30,548	32,525
New Jersey	2,260	2,943	3,152	3,446	586	676	32	24	6,030	7,089
New York	4,457	4,703	6,858	7,203	1,196	1,148	250	248	12,762	13,301
Pennsylvania	4,053	4,368	3,626	3,640	4,016	4,061	62	66	11,757	12,135
East North Central	14,306	13,878	15,455	14,946	15,994	16,369	52	54	45,808	45,246
Illinois	3,717	3,786	4,340	4,263	3,560	3,742	47	50	11,665	11,840
Indiana	2,552	2,371	2,103	1,974	3,746	3,841	2	1	8,403	8,188
Michigan	2,491	2,443	3,145	3,044	2,642	2,649	1	0	8,279	8,137
Ohio	3,905	3,700	3,919	3,779	4,038	4,167	3	3	11,865	11,649
Wisconsin	1,642	1,578	1,948	1,885	2,008	1,970	0	0	5,597	5,433
West North Central	8,488	7,557	8,723	8,329	7,323	7,458	3	3	24,536	23,346
Iowa	1,126	991	1,039	1,008	1,557	1,631	0	0	3,722	3,631
Kansas	1,283	1,115	1,408	1,364	914	903	0	0	3,606	3,382
Minnesota	1,690	1,555	1,935	1,836	1,922	1,915	1	1	5,548	5,308
Missouri	2,911	2,575	2,715	2,558	1,344	1,443	2	2	6,972	6,578
Nebraska	823	708	806	771	914	902	0	0	2,543	2,381
North Dakota	298	277	411	398	436	438	0	0	1,145	1,113
South Dakota	356	335	408	392	236	225	0	0	1,000	952
South Atlantic	30,022	29,559	26,761	26,578	11,653	11,367	106	106	68,542	67,611
Delaware	356	342	345	334	211	193	0	0	912	869
District of Columbia	146	162	692	721	17	16	26	27	882	925
Florida	11,255	10,937	8,360	8,311	1,416	1,426	8	6	21,039	20,681
Georgia	5,006	4,927	4,155	4,103	2,603	2,544	13	14	11,776	11,588
Maryland	2,044	2,121	2,436	2,520	301	358	42	42	4,824	5,042
North Carolina	4,606	4,507	4,233	4,159	2,321	2,193	1	1	11,160	10,859
South Carolina	2,567	2,486	1,909	1,904	2,449	2,301	0	0	6,925	6,691
Virginia	3,285	3,331	3,984	3,921	1,389	1,402	16	16	8,675	8,670
West Virginia	757	747	646	605	945	932	0	0	2,349	2,285
East South Central	10,608	10,266	8,514	7,435	8,568	10,098	0	0	27,690	27,800
Alabama	2,886	2,745	2,097	1,982	2,831	2,806	0	0	7,814	7,533
Kentucky	2,094	2,018	1,930	1,546	2,475	3,594	0	0	6,499	7,158
Mississippi	1,862	1,836	1,330	1,300	1,434	1,325	0	0	4,626	4,461
Tennessee	3,767	3,667	3,157	2,607	1,827	2,373	0	0	8,751	8,647
West South Central	21,889	20,823	18,356	17,662	13,767	13,127	8	7	54,020	51,620
Arkansas	1,756	1,740	1,162	1,153	1,501	1,422	NM	NM	4,419	4,316
Louisiana	3,218	3,038	2,364	2,236	2,720	2,458	1	1	8,303	7,732
Oklahoma	2,153	2,004	1,762	1,765	1,426	1,420	0	0	5,341	5,189
Texas	14,762	14,042	13,068	12,508	8,120	7,827	7	6	35,957	34,383
Mountain	8,466	8,576	8,182	8,328	7,017	6,962	10	7	23,675	23,874
Arizona	3,344	3,395	2,700	2,736	1,078	1,042	0	0	7,122	7,173
Colorado	1,589	1,560	1,733	1,733	1,328	1,349	5	4	4,656	4,646
Idaho	550	535	489	483	771	872	0	0	1,810	1,889
Montana	329	319	373	405	349	351	0	0	1,051	1,076
Nevada	1,115	1,244	831	857	1,188	1,172	1	1	3,135	3,274
New Mexico	596	592	795	817	619	619	0	0	2,010	2,028
Utah	753	752	942	955	847	767	4	3	2,546	2,477
Wyoming	189	179	320	341	838	790	0	0	1,346	1,311
Pacific Contiguous	12,453	12,261	14,851	14,635	7,484	7,485	62	68	34,850	34,449
California	8,980	8,900	11,062	10,963	4,157	4,119	60	66	24,259	24,048
Oregon	1,244	1,210	1,320	1,294	1,012	1,023	2	2	3,578	3,529
Washington	2,229	2,151	2,469	2,378	2,315	2,343	0	1	7,013	6,873
Pacific Noncontiguous	364	368	507	496	424	420	0	0	1,295	1,284
Alaska	148	150	225	223	114	114	0	0	487	487
Hawaii	216	219	282	273	310	306	0	0	808	797
U.S. Total	121,235	119,201	118,826	116,483	80,360	81,560	630	628	321,051	317,873

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.4.B. Retail Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through September 2013 and 2012 (Million Kilowatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	36,910	35,942	34,138	33,801	20,368	20,922	434	426	91,850	91,091
Connecticut	10,128	9,841	9,965	9,928	2,583	2,728	145	145	22,822	22,642
Maine	3,457	3,335	3,071	3,054	2,271	2,253	0	0	8,799	8,643
Massachusetts	15,807	15,427	13,342	13,138	12,265	12,680	269	262	41,682	41,507
New Hampshire	3,477	3,406	3,438	3,406	1,483	1,481	0	0	8,398	8,293
Rhode Island	2,475	2,387	2,777	2,760	703	703	20	20	5,976	5,869
Vermont	1,566	1,546	1,544	1,515	1,064	1,076	0	0	4,174	4,136
Middle Atlantic	102,840	102,911	119,707	120,397	51,864	52,115	3,048	3,007	277,459	278,430
New Jersey	22,313	23,237	29,002	29,841	5,559	5,987	243	225	57,118	59,290
New York	39,205	39,257	58,018	57,940	10,301	9,799	2,160	2,125	109,684	109,122
Pennsylvania	41,321	40,417	32,687	32,616	36,004	36,329	645	657	110,657	110,019
East North Central	142,153	145,224	138,471	138,835	146,149	153,244	492	466	427,264	437,768
Illinois	35,434	36,678	38,482	38,352	32,879	34,143	438	420	107,233	109,593
Indiana	25,070	25,282	18,459	18,305	34,721	36,315	16	15	78,267	79,917
Michigan	25,760	26,501	28,537	29,012	22,854	23,876	4	6	77,155	79,394
Ohio	39,342	39,970	35,428	35,507	38,117	40,945	33	26	112,920	116,448
Wisconsin	16,547	16,792	17,565	17,658	17,578	17,965	0	0	51,690	52,415
West North Central	80,013	79,765	75,935	75,515	65,525	67,803	31	29	221,504	223,112
Iowa	10,963	10,844	9,233	9,187	14,588	14,761	0	0	34,784	34,791
Kansas	10,545	10,895	11,771	11,980	7,935	8,149	0	0	30,251	31,024
Minnesota	17,024	16,836	17,028	16,902	16,673	17,219	14	13	50,740	50,970
Missouri	26,657	26,947	23,432	23,281	12,577	13,358	17	16	62,683	63,601
Nebraska	7,637	7,608	7,000	7,012	8,005	8,577	0	0	22,642	23,197
North Dakota	3,633	3,215	3,974	3,708	3,794	3,739	0	0	11,401	10,661
South Dakota	3,555	3,421	3,495	3,445	1,954	2,001	0	0	9,004	8,867
South Atlantic	262,522	260,396	230,507	231,208	104,805	105,511	1,002	982	598,836	598,097
Delaware	3,542	3,579	3,157	3,288	1,944	2,052	0	0	8,643	8,918
District of Columbia	1,591	1,571	6,481	6,671	174	166	249	246	8,495	8,655
Florida	86,334	86,370	69,059	69,317	12,684	12,697	69	63	168,146	168,447
Georgia	41,904	42,553	35,047	35,401	23,496	23,709	119	120	100,565	101,782
Maryland	20,767	20,473	23,033	23,085	2,951	3,614	409	401	47,159	47,573
North Carolina	43,047	42,226	35,612	35,556	20,230	20,097	6	5	98,895	97,884
South Carolina	22,424	22,258	16,198	16,403	21,611	21,369	0	0	60,232	60,029
Virginia	34,267	33,087	36,056	35,632	12,718	12,968	148	143	83,189	81,830
West Virginia	8,646	8,279	5,864	5,857	8,998	8,840	3	3	23,512	22,979
East South Central	90,189	90,104	69,143	63,170	83,337	93,371	1	1	242,671	246,646
Alabama	24,156	24,097	17,059	16,831	25,663	25,622	0	0	66,878	66,550
Kentucky	20,315	20,213	16,142	14,100	28,609	33,468	0	0	65,066	67,782
Mississippi	14,227	14,225	10,368	10,493	12,499	12,562	0	0	37,095	37,279
Tennessee	31,492	31,569	25,574	21,746	16,565	21,719	1	1	73,632	75,035
West South Central	164,212	165,257	143,448	143,892	117,428	118,031	61	61	425,149	427,242
Arkansas	14,012	14,136	9,041	9,307	12,536	12,818	NM	0	35,589	36,262
Louisiana	23,499	23,578	18,317	18,472	23,237	23,024	8	8	65,061	65,083
Oklahoma	17,858	18,201	14,865	15,147	12,299	12,397	0	0	45,023	45,745
Texas	108,843	109,342	101,225	100,965	69,356	69,792	52	53	279,475	280,152
Mountain	75,099	74,576	71,102	71,441	62,894	62,241	92	73	209,188	208,331
Arizona	26,622	26,495	22,663	22,653	9,431	9,367	0	0	58,717	58,515
Colorado	14,103	14,069	14,935	15,069	11,660	11,732	45	39	40,744	40,908
Idaho	6,296	6,062	4,553	4,486	7,656	7,587	0	0	18,504	18,135
Montana	3,616	3,590	3,629	3,691	3,161	3,104	0	0	10,406	10,385
Nevada	9,970	9,932	7,084	7,139	10,325	10,374	6	6	27,386	27,451
New Mexico	5,254	5,298	6,950	7,031	5,523	5,440	0	0	17,727	17,770
Utah	7,155	7,101	8,257	8,165	7,540	7,192	41	28	22,993	22,487
Wyoming	2,083	2,029	3,032	3,207	7,598	7,444	0	0	12,712	12,680
Pacific Contiguous	108,582	109,143	125,628	124,839	64,568	64,675	557	626	299,336	299,282
California	68,239	68,451	91,616	90,981	34,742	34,728	536	602	195,133	194,761
Oregon	13,882	13,972	11,977	11,855	9,022	9,025	17	19	34,898	34,872
Washington	26,461	26,720	22,035	22,003	20,805	20,921	4	5	69,305	69,649
Pacific Noncontiguous	3,475	3,605	4,521	4,539	3,704	3,750	0	0	11,699	11,894
Alaska	1,529	1,552	2,103	2,128	997	1,020	0	0	4,630	4,701
Hawaii	1,946	2,053	2,417	2,411	2,707	2,730	0	0	7,070	7,193
U.S. Total	1,065,996	1,066,922	1,012,600	1,007,636	720,642	741,662	5,718	5,672	2,804,956	2,821,893

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, September 2013 and 2012 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	673	618	550	523	291	294	6	3	1,520	1,438
Connecticut	189	191	165	169	37	39	1	1	392	400
Maine	48	49	38	38	18	18	0	0	105	104
Massachusetts	302	257	225	204	194	195	4	1	725	658
New Hampshire	62	62	53	55	20	21	0	0	135	137
Rhode Island	47	37	44	34	10	7	0	0	101	78
Vermont	27	24	24	24	12	13	0	0	63	60
Middle Atlantic	1,775	1,905	1,889	1,974	403	442	43	43	4,111	4,363
New Jersey	363	461	425	469	66	74	3	3	857	1,006
New York	872	892	1,130	1,168	58	78	35	35	2,095	2,173
Pennsylvania	540	552	334	337	279	289	5	5	1,158	1,184
East North Central	1,729	1,706	1,467	1,434	1,071	1,086	3	3	4,270	4,229
Illinois	362	430	335	353	219	218	3	3	919	1,004
Indiana	283	255	200	176	249	240	0	0	732	672
Michigan	373	351	346	338	196	202	0	0	915	891
Ohio	477	450	369	361	252	275	0	0	1,098	1,086
Wisconsin	234	219	217	206	155	151	0	0	606	576
West North Central	982	843	809	739	508	492	0	0	2,300	2,074
Iowa	134	113	92	84	94	94	0	0	319	291
Kansas	151	128	135	128	66	63	0	0	352	319
Minnesota	213	188	194	175	139	134	0	0	546	498
Missouri	316	267	241	214	90	93	0	0	647	574
Nebraska	98	82	75	70	69	63	0	0	241	215
North Dakota	32	29	37	34	32	30	0	0	101	93
South Dakota	40	36	36	33	17	15	0	0	93	85
South Atlantic	3,546	3,449	2,537	2,503	779	766	9	9	6,871	6,728
Delaware	46	47	35	34	18	18	0	0	98	99
District of Columbia	19	20	83	85	1	1	2	2	105	108
Florida	1,311	1,277	792	810	111	116	1	1	2,215	2,204
Georgia	598	575	410	389	169	160	1	1	1,178	1,125
Maryland	284	280	270	267	25	28	3	4	584	578
North Carolina	528	514	375	368	153	146	0	0	1,056	1,028
South Carolina	305	290	192	186	149	142	0	0	647	618
Virginia	382	372	327	312	94	96	1	1	804	781
West Virginia	73	75	52	52	58	61	0	0	183	187
East South Central	1,121	1,072	834	737	566	665	0	0	2,521	2,474
Alabama	339	320	223	209	189	186	0	0	750	715
Kentucky	208	197	161	139	143	201	0	0	513	536
Mississippi	201	182	136	118	99	87	0	0	436	387
Tennessee	373	373	315	272	135	191	0	0	823	836
West South Central	2,388	2,200	1,476	1,421	836	733	1	1	4,701	4,355
Arkansas	176	171	94	91	93	85	NM	NM	363	347
Louisiana	311	260	210	173	164	116	0	0	685	549
Oklahoma	228	201	148	135	80	73	0	0	456	409
Texas	1,673	1,569	1,024	1,022	499	459	1	1	3,197	3,050
Mountain	1,004	972	802	776	494	468	1	1	2,301	2,217
Arizona	409	396	283	271	76	73	0	0	768	740
Colorado	199	188	178	169	100	98	1	0	478	455
Idaho	52	44	37	33	51	51	0	0	140	127
Montana	36	34	36	37	18	18	0	0	91	90
Nevada	133	144	77	76	101	97	0	0	311	317
New Mexico	71	71	78	79	39	36	0	0	189	186
Utah	82	77	85	82	54	47	1	0	222	207
Wyoming	20	19	28	29	54	48	0	0	103	95
Pacific Contiguous	1,860	1,825	2,086	2,060	668	660	5	6	4,619	4,550
California	1,534	1,514	1,785	1,770	507	503	5	6	3,832	3,793
Oregon	126	121	110	108	60	59	0	0	297	289
Washington	200	189	190	181	100	99	0	0	491	469
Pacific Noncontiguous	106	107	128	126	106	112	0	0	339	345
Alaska	27	26	35	31	17	18	0	0	79	75
Hawaii	78	81	93	95	89	94	0	0	260	270
U.S. Total	15,184	14,696	12,579	12,294	5,722	5,718	69	65	33,554	32,774

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 September 2013 and 2012 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	5,918	5,672	4,790	4,660	2,499	2,535	50	29	13,257	12,897
Connecticut	1,767	1,702	1,457	1,459	327	348	15	14	3,565	3,523
Maine	496	491	357	353	190	174	0	0	1,043	1,018
Massachusetts	2,441	2,325	1,928	1,838	1,621	1,655	33	12	6,023	5,831
New Hampshire	568	549	462	457	169	174	0	0	1,200	1,180
Rhode Island	376	345	361	335	84	76	3	3	823	759
Vermont	270	261	226	218	108	108	0	0	604	586
Middle Atlantic	16,226	15,831	15,775	15,752	3,767	3,942	374	364	36,143	35,888
New Jersey	3,529	3,700	3,755	3,888	601	635	25	22	7,910	8,245
New York	7,416	6,940	8,986	8,811	633	676	298	291	17,333	16,718
Pennsylvania	5,281	5,191	3,035	3,052	2,533	2,630	51	51	10,900	10,925
East North Central	17,131	17,462	13,226	13,251	9,643	10,048	29	28	40,029	40,790
Illinois	3,651	4,185	3,049	3,174	1,894	2,041	24	25	8,619	9,425
Indiana	2,713	2,615	1,747	1,663	2,285	2,313	2	1	6,746	6,593
Michigan	3,762	3,752	3,175	3,182	1,800	1,841	0	0	8,737	8,776
Ohio	4,719	4,673	3,335	3,358	2,326	2,510	2	2	10,382	10,542
Wisconsin	2,287	2,237	1,921	1,873	1,337	1,343	0	0	5,545	5,453
West North Central	8,885	8,522	6,913	6,468	4,387	4,286	3	2	20,188	19,279
Iowa	1,231	1,188	790	744	839	800	0	0	2,859	2,732
Kansas	1,229	1,223	1,132	1,098	567	564	0	0	2,928	2,884
Minnesota	2,044	1,926	1,641	1,503	1,182	1,141	1	1	4,869	4,570
Missouri	2,882	2,776	2,111	1,954	801	803	1	1	5,796	5,535
Nebraska	801	773	611	593	591	599	0	0	2,003	1,965
North Dakota	333	295	331	296	271	249	0	0	936	840
South Dakota	365	342	296	279	136	131	0	0	797	752
South Atlantic	29,913	29,699	21,619	21,729	6,823	6,909	87	82	58,442	58,419
Delaware	458	485	323	330	166	170	0	0	946	985
District of Columbia	199	193	772	804	11	9	24	21	1,006	1,027
Florida	9,795	9,922	6,541	6,739	978	1,024	6	5	17,320	17,691
Georgia	4,799	4,760	3,458	3,365	1,456	1,413	10	10	9,723	9,547
Maryland	2,739	2,640	2,454	2,443	248	292	35	33	5,475	5,409
North Carolina	4,687	4,587	3,100	3,073	1,284	1,289	0	0	9,071	8,949
South Carolina	2,651	2,581	1,592	1,568	1,272	1,279	0	0	5,514	5,428
Virginia	3,757	3,716	2,896	2,916	845	873	12	12	7,511	7,518
West Virginia	830	815	482	491	563	559	0	0	1,875	1,865
East South Central	9,426	9,217	6,787	6,201	5,035	5,775	0	0	21,248	21,193
Alabama	2,745	2,738	1,803	1,781	1,574	1,615	0	0	6,122	6,133
Kentucky	1,979	1,881	1,359	1,222	1,547	1,810	0	0	4,885	4,913
Mississippi	1,528	1,444	1,044	972	813	788	0	0	3,386	3,205
Tennessee	3,174	3,154	2,581	2,226	1,100	1,561	0	0	6,855	6,942
West South Central	17,609	17,039	11,704	11,569	6,916	6,447	6	6	36,235	35,061
Arkansas	1,340	1,314	726	714	748	729	NM	0	2,813	2,758
Louisiana	2,216	1,961	1,640	1,426	1,379	1,080	1	1	5,236	4,468
Oklahoma	1,738	1,722	1,161	1,113	665	636	0	0	3,565	3,470
Texas	12,316	12,042	8,176	8,316	4,124	4,002	5	6	24,621	24,365
Mountain	8,546	8,188	6,693	6,441	4,111	3,895	10	7	19,361	18,532
Arizona	3,148	3,015	2,279	2,182	635	617	0	0	6,062	5,814
Colorado	1,686	1,611	1,473	1,404	845	812	5	4	4,010	3,831
Idaho	581	512	335	307	477	431	0	0	1,393	1,250
Montana	377	362	346	336	169	156	0	0	892	854
Nevada	1,168	1,169	627	631	701	705	1	1	2,496	2,506
New Mexico	622	609	679	656	351	319	0	0	1,652	1,584
Utah	753	711	695	663	450	409	4	3	1,903	1,786
Wyoming	211	198	259	262	484	447	0	0	954	907
Pacific Contiguous	14,823	14,407	16,067	15,250	5,265	5,111	43	49	36,198	34,818
California	11,156	10,761	13,366	12,581	3,874	3,751	41	47	28,438	27,140
Oregon	1,375	1,373	1,000	989	526	504	2	2	2,902	2,867
Washington	2,291	2,273	1,700	1,681	866	857	0	0	4,858	4,811
Pacific Noncontiguous	996	1,050	1,144	1,160	963	1,021	0	0	3,104	3,231
Alaska	277	280	322	314	157	174	0	0	756	769
Hawaii	720	769	822	846	806	846	0	0	2,347	2,462
U.S. Total	129,475	127,087	104,719	102,482	49,409	49,969	601	569	284,204	280,108

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
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Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.6.A. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, September 2013 and 2012 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012	September 2013	September 2012
New England	17.40	15.86	14.31	13.82	12.47	12.28	12.69	6.71	15.07	14.21
Connecticut	17.94	17.26	14.50	14.54	12.66	12.97	10.67	9.40	15.71	15.49
Maine	14.45	14.81	11.37	11.57	7.49	7.48	--	--	11.46	11.68
Massachusetts	17.84	15.22	15.12	14.34	13.62	13.25	13.65	4.76	15.64	14.26
New Hampshire	16.12	15.82	13.12	13.16	11.13	11.95	--	--	13.94	14.00
Rhode Island	18.14	15.08	14.30	11.60	12.63	10.40	13.66	12.36	15.63	12.86
Vermont	17.29	16.55	14.64	14.26	10.24	9.83	--	--	14.41	13.69
Middle Atlantic	16.48	15.85	13.86	13.81	6.96	7.50	12.59	12.62	13.46	13.41
New Jersey	16.06	15.65	13.49	13.60	11.26	10.96	10.16	10.54	14.22	14.19
New York	19.57	18.97	16.47	16.22	4.89	6.83	14.03	14.00	16.42	16.34
Pennsylvania	13.32	12.64	9.22	9.26	6.94	7.12	8.02	8.20	9.85	9.76
East North Central	12.08	12.29	9.49	9.60	6.70	6.63	5.79	5.48	9.32	9.35
Illinois	9.74	11.36	7.72	8.28	6.16	5.83	5.55	5.25	7.88	8.48
Indiana	11.10	10.76	9.51	8.94	6.65	6.25	9.76	9.34	8.72	8.21
Michigan	14.99	14.38	10.99	11.10	7.44	7.62	9.58	8.96	11.06	10.95
Ohio	12.21	12.17	9.42	9.54	6.23	6.60	6.85	7.24	9.25	9.32
Wisconsin	14.23	13.91	11.15	10.94	7.72	7.65	--	--	10.82	10.61
West North Central	11.57	11.15	9.27	8.87	6.94	6.60	10.82	9.64	9.37	8.89
Iowa	11.86	11.41	8.81	8.37	6.06	5.76	--	--	8.58	8.03
Kansas	11.74	11.44	9.59	9.41	7.27	6.98	--	--	9.77	9.43
Minnesota	12.59	12.11	10.02	9.52	7.25	7.02	10.28	9.64	9.84	9.37
Missouri	10.86	10.37	8.86	8.37	6.71	6.43	11.30	9.63	9.28	8.73
Nebraska	11.85	11.51	9.25	9.09	7.55	7.01	--	--	9.48	9.02
North Dakota	10.65	10.47	8.98	8.57	7.38	6.74	--	--	8.81	8.32
South Dakota	11.16	10.76	8.89	8.46	7.19	6.89	--	--	9.30	8.90
South Atlantic	11.81	11.67	9.48	9.42	6.68	6.74	8.52	8.56	10.02	9.95
Delaware	12.84	13.71	10.07	10.15	8.55	9.20	--	--	10.80	11.34
District of Columbia	12.79	12.21	11.98	11.72	6.21	5.94	9.08	8.92	11.91	11.63
Florida	11.65	11.68	9.48	9.75	7.84	8.13	8.95	8.78	10.53	10.66
Georgia	11.95	11.67	9.88	9.49	6.49	6.28	8.76	8.00	10.01	9.71
Maryland	13.92	13.19	11.10	10.60	8.41	7.70	8.24	8.69	12.10	11.47
North Carolina	11.47	11.41	8.86	8.85	6.58	6.67	7.79	7.87	9.46	9.47
South Carolina	11.89	11.66	10.07	9.78	6.09	6.16	--	--	9.34	9.23
Virginia	11.62	11.15	8.21	7.96	6.77	6.82	7.97	8.07	9.27	9.00
West Virginia	9.63	10.03	8.05	8.56	6.18	6.50	7.54	7.92	7.81	8.20
East South Central	10.57	10.44	9.80	9.91	6.61	6.59	11.33	10.88	9.11	8.90
Alabama	11.74	11.66	10.61	10.54	6.66	6.62	--	--	9.60	9.49
Kentucky	9.94	9.74	8.35	8.96	5.80	5.60	--	--	7.89	7.49
Mississippi	10.82	9.91	10.19	9.09	6.90	6.59	--	--	9.42	8.69
Tennessee	9.89	10.17	9.98	10.42	7.40	8.06	11.33	10.88	9.40	9.67
West South Central	10.91	10.57	8.04	8.05	6.07	5.58	9.68	10.41	8.70	8.44
Arkansas	10.00	9.81	8.09	7.87	6.20	6.00	NM	NM	8.21	8.04
Louisiana	9.68	8.55	8.88	7.73	6.02	4.73	8.35	9.56	8.25	7.10
Oklahoma	10.58	10.03	8.41	7.66	5.64	5.13	--	--	8.54	7.88
Texas	11.33	11.17	7.83	8.17	6.14	5.86	9.87	10.51	8.89	8.87
Mountain	11.86	11.34	9.81	9.32	7.04	6.72	11.47	10.63	9.72	9.29
Arizona	12.22	11.67	10.48	9.90	7.06	7.02	--	--	10.78	10.32
Colorado	12.52	12.03	10.25	9.77	7.56	7.24	11.22	11.10	10.26	9.80
Idaho	9.52	8.14	7.60	6.76	6.61	5.82	--	--	7.76	6.72
Montana	11.07	10.75	9.71	9.23	5.28	5.12	--	--	8.66	8.34
Nevada	11.94	11.58	9.25	8.92	8.48	8.25	10.04	9.27	9.91	9.69
New Mexico	11.99	11.99	9.86	9.66	6.29	5.90	--	--	9.39	9.19
Utah	10.95	10.25	9.05	8.57	6.38	6.17	12.02	10.29	8.73	8.34
Wyoming	10.75	10.38	8.79	8.42	6.47	6.04	--	--	7.62	7.25
Pacific Contiguous	14.94	14.88	14.05	14.07	8.92	8.82	8.85	8.51	13.25	13.21
California	17.09	17.01	16.14	16.15	12.20	12.21	8.85	8.53	15.80	15.77
Oregon	10.14	10.04	8.36	8.37	5.93	5.74	8.94	8.08	8.29	8.18
Washington	8.97	8.79	7.71	7.62	4.33	4.21	7.96	7.79	6.99	6.82
Pacific Noncontiguous	29.04	29.03	25.24	25.38	24.96	26.71	--	--	26.22	26.86
Alaska	18.49	17.29	15.58	13.99	14.53	15.94	--	--	16.22	15.46
Hawaii	36.28	37.07	32.96	34.70	28.78	30.72	--	--	32.24	33.82
U.S. Total	12.52	12.33	10.59	10.55	7.12	7.01	10.91	10.39	10.45	10.31

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Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

Table 5.6.B. Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through September 2013 and 2012 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD	September 2013 YTD	September 2012 YTD
New England	16.03	15.78	14.03	13.79	12.27	12.12	11.52	6.88	14.43	14.16
Connecticut	17.44	17.29	14.62	14.70	12.66	12.75	10.04	9.84	15.62	15.56
Maine	14.36	14.71	11.61	11.57	8.35	7.71	--	--	11.85	11.77
Massachusetts	15.44	15.07	14.45	13.99	13.22	13.05	12.20	4.75	14.45	14.05
New Hampshire	16.35	16.13	13.45	13.41	11.41	11.75	--	--	14.29	14.23
Rhode Island	15.19	14.45	12.99	12.12	11.88	10.87	13.05	13.40	13.77	12.93
Vermont	17.23	16.86	14.62	14.38	10.19	10.04	--	--	14.47	14.18
Middle Atlantic	15.78	15.38	13.18	13.08	7.26	7.56	12.28	12.10	13.03	12.89
New Jersey	15.82	15.92	12.95	13.03	10.81	10.61	10.30	9.70	13.85	13.91
New York	18.92	17.68	15.49	15.21	6.14	6.90	13.81	13.68	15.80	15.32
Pennsylvania	12.78	12.84	9.28	9.36	7.04	7.24	7.89	7.83	9.85	9.93
East North Central	12.05	12.02	9.55	9.54	6.60	6.56	5.82	6.10	9.37	9.32
Illinois	10.30	11.41	7.92	8.28	5.76	5.98	5.58	5.90	8.04	8.60
Indiana	10.82	10.34	9.46	9.09	6.58	6.37	9.83	9.54	8.62	8.25
Michigan	14.60	14.16	11.13	10.97	7.88	7.71	9.40	7.78	11.32	11.05
Ohio	11.99	11.69	9.41	9.46	6.10	6.13	6.55	6.90	9.19	9.05
Wisconsin	13.82	13.32	10.94	10.61	7.61	7.48	--	--	10.73	10.40
West North Central	11.10	10.68	9.10	8.57	6.69	6.32	8.96	7.93	9.11	8.64
Iowa	11.23	10.96	8.56	8.10	5.75	5.42	--	--	8.22	7.85
Kansas	11.65	11.22	9.61	9.16	7.15	6.92	--	--	9.68	9.30
Minnesota	12.01	11.44	9.64	8.89	7.09	6.62	9.88	8.71	9.60	8.97
Missouri	10.81	10.30	9.01	8.39	6.37	6.01	8.18	7.32	9.25	8.70
Nebraska	10.49	10.16	8.73	8.46	7.38	6.98	--	--	8.85	8.47
North Dakota	9.18	9.16	8.34	8.00	7.15	6.65	--	--	8.21	7.88
South Dakota	10.28	10.00	8.47	8.09	6.95	6.57	--	--	8.85	8.48
South Atlantic	11.39	11.41	9.38	9.40	6.51	6.55	8.66	8.38	9.76	9.77
Delaware	12.93	13.55	10.22	10.03	8.52	8.29	--	--	10.95	11.04
District of Columbia	12.51	12.31	11.92	12.05	6.05	5.20	9.48	8.66	11.84	11.87
Florida	11.35	11.49	9.47	9.72	7.71	8.07	8.64	8.48	10.30	10.50
Georgia	11.45	11.19	9.87	9.50	6.20	5.96	8.28	7.94	9.67	9.38
Maryland	13.19	12.90	10.65	10.58	8.39	8.09	8.49	8.26	11.61	11.37
North Carolina	10.89	10.86	8.71	8.64	6.35	6.41	7.86	7.88	9.17	9.14
South Carolina	11.82	11.59	9.83	9.56	5.89	5.99	--	--	9.16	9.04
Virginia	10.96	11.23	8.03	8.18	6.65	6.73	8.08	8.58	9.03	9.19
West Virginia	9.59	9.85	8.22	8.38	6.26	6.32	9.72	8.41	7.98	8.12
East South Central	10.45	10.23	9.82	9.82	6.04	6.18	11.59	11.20	8.76	8.59
Alabama	11.36	11.36	10.57	10.58	6.13	6.30	--	--	9.15	9.22
Kentucky	9.74	9.31	8.42	8.67	5.41	5.41	--	--	7.51	7.25
Mississippi	10.74	10.15	10.07	9.27	6.51	6.27	--	--	9.13	8.60
Tennessee	10.08	9.99	10.09	10.24	6.64	7.19	11.59	11.20	9.31	9.25
West South Central	10.72	10.31	8.16	8.04	5.89	5.46	10.24	10.28	8.52	8.21
Arkansas	9.56	9.30	8.03	7.68	5.96	5.69	NM	NM	7.90	7.61
Louisiana	9.43	8.32	8.96	7.72	5.93	4.69	9.57	8.56	8.05	6.86
Oklahoma	9.73	9.46	7.81	7.35	5.41	5.13	--	--	7.92	7.59
Texas	11.31	11.01	8.08	8.24	5.95	5.73	10.34	10.54	8.81	8.70
Mountain	11.38	10.98	9.41	9.02	6.54	6.26	10.48	9.54	9.26	8.90
Arizona	11.82	11.38	10.06	9.63	6.73	6.59	--	--	10.32	9.94
Colorado	11.96	11.45	9.86	9.32	7.25	6.92	10.62	9.56	9.84	9.36
Idaho	9.23	8.45	7.36	6.84	6.23	5.68	--	--	7.53	6.90
Montana	10.42	10.08	9.54	9.10	5.35	5.03	--	--	8.57	8.22
Nevada	11.72	11.77	8.85	8.84	6.78	6.80	8.45	8.53	9.11	9.13
New Mexico	11.84	11.50	9.77	9.33	6.36	5.86	--	--	9.32	8.91
Utah	10.53	10.02	8.42	8.12	5.97	5.69	10.64	9.75	8.28	7.94
Wyoming	10.14	9.78	8.55	8.17	6.36	6.00	--	--	7.50	7.15
Pacific Contiguous	13.65	13.20	12.79	12.22	8.15	7.90	7.70	7.90	12.09	11.63
California	16.35	15.72	14.59	13.83	11.15	10.80	7.66	7.89	14.57	13.94
Oregon	9.91	9.83	8.35	8.34	5.83	5.58	8.87	8.25	8.32	8.22
Washington	8.66	8.51	7.72	7.64	4.16	4.09	8.22	8.06	7.01	6.91
Pacific Noncontiguous	28.67	29.13	25.31	25.57	25.99	27.22	--	--	26.53	27.17
Alaska	18.10	18.07	15.32	14.78	15.75	17.08	--	--	16.33	16.36
Hawaii	36.97	37.49	34.01	35.09	29.77	31.01	--	--	33.20	34.23
U.S. Total	12.15	11.91	10.34	10.17	6.86	6.74	10.52	10.03	10.13	9.93

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 A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, September 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**19**	**31**	**0**	**1**	**0**	**0**	**11**
Connecticut	0	78	0	1	0	0	52
Maine	0	297	0	4	0	0	15
Massachusetts	24	27	0	1	0	0	31
New Hampshire	0	173	0	1	0	0	23
Rhode Island	0	105	0	1	0	0	449
Vermont	0	566	0	0	0	0	32
Middle Atlantic	**2**	**26**	**129**	**1**	**13**	**0**	**3**
New Jersey	0	119	196	1	45	0	231
New York	12	27	0	2	0	0	3
Pennsylvania	2	51	167	1	12	0	21
East North Central	**0**	**5**	**6**	**2**	**6**	**0**	**16**
Illinois	0	34	0	3	32	0	86
Indiana	0	13	0	3	6	0	20
Michigan	1	7	99	7	0	0	36
Ohio	1	7	4	1	38	0	23
Wisconsin	1	21	0	7	0	0	29
West North Central	**1**	**10**	**0**	**6**	**89**	**0**	**4**
Iowa	2	10	0	23	0	0	46
Kansas	0	7	0	27	0	0	289
Minnesota	3	16	0	6	0	0	59
Missouri	1	54	0	4	0	0	24
Nebraska	2	15	0	34	0	0	34
North Dakota	3	24	0	230	89	0	0
South Dakota	7	95	0	45	0	0	1
South Atlantic	**0**	**7**	**0**	**0**	**0**	**0**	**6**
Delaware	3	120	0	2	0	0	0
District of Columbia	0	0	0	72	0	0	0
Florida	0	12	0	1	0	0	88
Georgia	0	10	0	1	0	0	12
Maryland	0	35	0	4	0	0	8
North Carolina	1	6	0	1	0	0	8
South Carolina	0	11	0	3	0	0	16
Virginia	1	3	0	1	0	0	26
West Virginia	0	0	0	6	0	0	17
East South Central	**0**	**8**	**0**	**1**	**10**	**0**	**4**
Alabama	1	20	0	2	11	0	5
Kentucky	1	20	0	14	0	0	8
Mississippi	0	12	0	2	0	0	0
Tennessee	0	8	0	1	0	0	6
West South Central	**0**	**6**	**6**	**1**	**2**	**0**	**7**
Arkansas	0	9	0	4	0	0	8
Louisiana	0	9	7	1	3	0	0
Oklahoma	1	17	0	1	0	0	11
Texas	0	10	7	1	3	0	42
Mountain	**1**	**14**	**0**	**1**	**36**	**0**	**4**
Arizona	0	9	0	1	0	0	2
Colorado	1	167	0	4	0	0	27
Idaho	63	544	0	5	0	0	9
Montana	6	108	0	157	0	0	7
Nevada	0	1	0	2	0	0	3
New Mexico	0	51	0	4	0	0	90
Utah	3	21	0	6	82	0	39
Wyoming	2	8	0	69	37	0	13
Pacific Contiguous	**1**	**18**	**98**	**2**	**3**	**0**	**2**
California	13	16	98	2	4	0	6
Oregon	0	26	0	2	0	0	3
Washington	0	49	0	3	0	0	1
Pacific Noncontiguous	**4**	**3**	**0**	**14**	**77**	**0**	**22**
Alaska	13	5	0	14	383	0	22
Hawaii	3	3	0	0	77	0	153
U.S. Total	**0**	**4**	**3**	**0**	**3**	**0**	**1**

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

Table A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, September 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**39**	**3**	**0**	**3**	**1**
Connecticut	0	0	0	0	6	0	4	1
Maine	0	0	0	0	2	0	11	4
Massachusetts	0	0	0	43	6	0	4	2
New Hampshire	0	0	0	0	11	0	26	2
Rhode Island	0	0	0	216	26	0	0	1
Vermont	0	0	0	105	11	0	0	6
Middle Atlantic	**0**	**0**	**0**	**18**	**2**	**0**	**3**	**0**
New Jersey	0	0	0	21	9	0	5	1
New York	0	0	0	0	3	0	6	1
Pennsylvania	0	0	0	56	4	0	5	1
East North Central	**0**	**0**	**0**	**47**	**2**	**0**	**6**	**0**
Illinois	0	0	0	67	1	0	22	0
Indiana	0	0	0	159	3	0	3	0
Michigan	0	0	0	0	4	0	10	1
Ohio	0	0	0	71	6	0	0	0
Wisconsin	0	0	0	0	5	0	44	1
West North Central	**0**	**0**	**0**	**228**	**1**	**0**	**9**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	0	0	0	2
Minnesota	0	0	0	228	2	0	10	2
Missouri	0	0	0	0	2	0	0	1
Nebraska	0	0	0	0	2	0	0	2
North Dakota	0	0	0	0	1	0	34	2
South Dakota	0	0	0	0	0	0	0	3
South Atlantic	**0**	**0**	**0**	**15**	**2**	**0**	**3**	**0**
Delaware	0	0	0	56	35	0	0	2
District of Columbia	0	0	0	0	0	0	0	72
Florida	0	0	0	17	4	0	3	0
Georgia	0	0	0	166	4	0	3	0
Maryland	0	0	0	40	9	0	1	1
North Carolina	0	0	0	22	6	0	34	1
South Carolina	0	0	0	0	2	0	0	1
Virginia	0	0	0	0	3	0	6	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**75**	**3**	**0**	**41**	**0**
Alabama	0	0	0	0	4	0	0	1
Kentucky	0	0	0	0	29	0	0	1
Mississippi	0	0	0	0	3	0	201	1
Tennessee	0	0	0	75	10	0	0	1
West South Central	**0**	**0**	**0**	**28**	**1**	**0**	**11**	**0**
Arkansas	0	0	0	0	4	0	0	1
Louisiana	0	0	0	0	6	0	7	1
Oklahoma	0	0	0	0	1	0	108	1
Texas	0	0	0	28	1	0	19	0
Mountain	**0**	**4**	**0**	**5**	**1**	**0**	**5**	**1**
Arizona	0	0	0	6	6	0	0	0
Colorado	0	0	0	19	1	0	41	1
Idaho	0	0	0	0	5	0	0	5
Montana	0	0	0	0	4	0	0	4
Nevada	0	5	0	8	4	0	34	1
New Mexico	0	0	0	22	5	0	0	1
Utah	0	6	0	261	5	0	4	3
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	**0**	**2**	**0**	**5**	**1**	**0**	**8**	**1**
California	0	2	0	5	1	0	9	1
Oregon	0	0	0	91	1	0	32	1
Washington	0	0	0	0	1	0	15	1
Pacific Noncontiguous	**0**	**0**	**0**	**88**	**7**	**0**	**0**	**3**
Alaska	0	0	0	0	47	0	0	9
Hawaii	0	0	0	88	7	0	0	2
U.S. Total	**0**	**2**	**0**	**4**	**1**	**0**	**2**	**0**

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

Table A.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, Year-to-Date through September 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**3**	**0**	**0**	**0**	**0**	**3**
Connecticut	0	4	0	1	0	0	16
Maine	0	3	0	2	0	0	5
Massachusetts	2	7	0	1	0	0	9
New Hampshire	0	12	0	0	0	0	6
Rhode Island	0	19	0	1	0	0	137
Vermont	0	93	0	0	0	0	10
Middle Atlantic	**0**	**3**	**36**	**0**	**4**	**0**	**1**
New Jersey	0	9	65	1	15	0	67
New York	2	3	0	1	0	0	1
Pennsylvania	0	6	48	0	3	0	5
East North Central	**0**	**1**	**1**	**0**	**2**	**0**	**6**
Illinois	0	4	0	1	10	0	25
Indiana	0	4	0	1	2	0	9
Michigan	0	3	23	1	0	0	13
Ohio	0	1	1	0	13	0	10
Wisconsin	0	7	0	1	0	0	11
West North Central	**0**	**2**	**0**	**2**	**28**	**0**	**2**
Iowa	1	3	0	6	0	0	16
Kansas	0	3	0	10	0	0	89
Minnesota	1	11	0	2	0	0	19
Missouri	0	7	0	2	0	0	3
Nebraska	1	4	0	9	0	0	12
North Dakota	1	7	0	52	28	0	0
South Dakota	2	18	0	14	0	0	0
South Atlantic	**0**	**2**	**0**	**0**	**0**	**0**	**2**
Delaware	1	15	0	1	0	0	0
District of Columbia	0	0	0	40	0	0	0
Florida	0	3	0	0	0	0	27
Georgia	0	5	0	0	0	0	4
Maryland	0	8	0	3	0	0	2
North Carolina	0	5	0	1	0	0	2
South Carolina	0	6	0	1	0	0	5
Virginia	1	1	0	0	0	0	7
West Virginia	0	0	0	3	0	0	5
East South Central	**0**	**3**	**0**	**1**	**5**	**0**	**1**
Alabama	0	8	0	1	5	0	1
Kentucky	0	4	0	4	0	0	2
Mississippi	0	7	0	1	0	0	0
Tennessee	0	3	0	1	0	0	2
West South Central	**0**	**2**	**1**	**0**	**1**	**0**	**3**
Arkansas	0	4	0	1	0	0	4
Louisiana	0	3	1	1	1	0	0
Oklahoma	0	5	0	1	0	0	4
Texas	0	4	2	0	1	0	12
Mountain	**0**	**3**	**0**	**0**	**4**	**0**	**1**
Arizona	0	3	0	0	0	0	1
Colorado	0	34	0	2	0	0	9
Idaho	21	270	0	2	0	0	3
Montana	2	11	0	44	0	0	2
Nevada	0	1	0	0	0	0	1
New Mexico	0	7	0	2	0	0	35
Utah	1	4	0	2	37	0	14
Wyoming	1	3	0	10	2	0	5
Pacific Contiguous	**1**	**8**	**38**	**1**	**2**	**0**	**1**
California	5	4	38	1	2	0	2
Oregon	0	33	0	0	0	0	1
Washington	0	20	0	1	0	0	0
Pacific Noncontiguous	**2**	**1**	**0**	**4**	**33**	**0**	**9**
Alaska	5	2	0	4	122	0	9
Hawaii	1	1	0	0	35	0	46
U.S. Total	**0**	**1**	**1**	**0**	**1**	**0**	**0**

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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 September 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**20**	**1**	**0**	**2**	**0**
Connecticut	0	0	0	0	4	0	3	0
Maine	0	0	0	0	1	0	5	1
Massachusetts	0	0	0	22	3	0	3	1
New Hampshire	0	0	0	0	4	0	17	1
Rhode Island	0	0	0	138	16	0	0	1
Vermont	0	0	0	54	4	0	0	2
Middle Atlantic	**0**	**0**	**0**	**9**	**1**	**0**	**2**	**0**
New Jersey	0	0	0	10	5	0	3	0
New York	0	0	0	2	1	0	3	0
Pennsylvania	0	0	0	25	1	0	2	0
East North Central	**0**	**0**	**0**	**20**	**1**	**0**	**2**	**0**
Illinois	0	0	0	27	1	0	8	0
Indiana	0	0	0	87	1	0	1	0
Michigan	0	0	0	0	2	0	4	0
Ohio	0	0	0	30	2	0	0	0
Wisconsin	0	0	0	0	2	0	11	0
West North Central	**0**	**0**	**0**	**109**	**0**	**0**	**5**	**0**
Iowa	0	0	0	0	0	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	109	1	0	5	1
Missouri	0	0	0	0	1	0	0	0
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	0	0	22	1
South Dakota	0	0	0	0	0	0	0	1
South Atlantic	**0**	**0**	**0**	**7**	**1**	**0**	**1**	**0**
Delaware	0	0	0	28	18	0	0	1
District of Columbia	0	0	0	0	0	0	0	40
Florida	0	0	0	6	2	0	1	0
Georgia	0	0	0	87	1	0	4	0
Maryland	0	0	0	25	3	0	0	0
North Carolina	0	0	0	12	2	0	12	0
South Carolina	0	0	0	0	1	0	0	0
Virginia	0	0	0	0	2	0	2	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**45**	**1**	**0**	**13**	**0**
Alabama	0	0	0	0	1	0	0	0
Kentucky	0	0	0	0	6	0	0	0
Mississippi	0	0	0	0	1	0	66	0
Tennessee	0	0	0	45	3	0	0	0
West South Central	**0**	**0**	**0**	**12**	**0**	**0**	**4**	**0**
Arkansas	0	0	0	0	1	0	0	0
Louisiana	0	0	0	0	2	0	3	0
Oklahoma	0	0	0	0	0	0	41	0
Texas	0	0	0	12	0	0	7	0
Mountain	**0**	**2**	**0**	**2**	**0**	**0**	**2**	**0**
Arizona	0	0	0	3	2	0	0	0
Colorado	0	0	0	9	0	0	17	0
Idaho	0	12	0	0	2	0	0	2
Montana	0	0	0	0	1	0	0	1
Nevada	0	2	0	3	1	0	22	0
New Mexico	0	0	0	10	2	0	0	0
Utah	0	3	0	124	2	0	2	1
Wyoming	0	0	0	0	1	0	0	1
Pacific Contiguous	**0**	**1**	**0**	**3**	**0**	**0**	**3**	**0**
California	0	1	0	3	1	0	4	0
Oregon	0	0	0	43	1	0	21	1
Washington	0	0	0	0	0	0	9	0
Pacific Noncontiguous	**0**	**0**	**0**	**46**	**3**	**0**	**0**	**1**
Alaska	0	0	0	0	16	0	0	3
Hawaii	0	0	0	46	3	0	0	1
U.S. Total	**0**	**1**	**0**	**2**	**0**	**0**	**1**	**0**

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Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, September 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**80**	**0**	**5**	**0**	**0**	**32**
Connecticut	0	258	0	0	0	0	170
Maine	0	101	0	0	0	0	0
Massachusetts	0	25	0	5	0	0	68
New Hampshire	0	225	0	0	0	0	32
Rhode Island	0	25	0	0	0	0	0
Vermont	0	647	0	0	0	0	55
Middle Atlantic	**0**	**33**	**0**	**5**	**0**	**0**	**1**
New Jersey	0	1,228	0	0	0	0	0
New York	0	32	0	5	0	0	1
Pennsylvania	0	168	0	524	0	0	23
East North Central	**0**	**7**	**0**	**5**	**0**	**0**	**16**
Illinois	0	97	0	15	0	0	176
Indiana	0	12	0	3	0	0	20
Michigan	1	7	0	20	0	0	38
Ohio	1	13	0	3	0	0	23
Wisconsin	1	20	0	14	0	0	31
West North Central	**1**	**10**	**0**	**7**	**0**	**0**	**4**
Iowa	2	11	0	23	0	0	46
Kansas	0	7	0	27	0	0	0
Minnesota	3	15	0	8	0	0	88
Missouri	1	54	0	5	0	0	24
Nebraska	1	15	0	34	0	0	34
North Dakota	3	23	0	0	0	0	0
South Dakota	7	100	0	45	0	0	1
South Atlantic	**0**	**7**	**0**	**1**	**0**	**0**	**7**
Delaware	0	1,219	0	283	0	0	0
Florida	0	13	0	1	0	0	88
Georgia	0	7	0	1	0	0	12
Maryland	0	259	0	0	0	0	0
North Carolina	0	4	0	2	0	0	9
South Carolina	0	13	0	3	0	0	16
Virginia	0	5	0	0	0	0	26
West Virginia	0	0	0	0	0	0	57
East South Central	**0**	**6**	**0**	**3**	**0**	**0**	**4**
Alabama	0	0	0	8	0	0	5
Kentucky	1	20	0	14	0	0	8
Mississippi	0	12	0	2	0	0	0
Tennessee	0	0	0	0	0	0	7
West South Central	**0**	**4**	**0**	**1**	**0**	**0**	**7**
Arkansas	0	0	0	10	0	0	8
Louisiana	0	22	0	3	0	0	0
Oklahoma	0	14	0	2	0	0	11
Texas	0	7	0	2	0	0	42
Mountain	**1**	**14**	**0**	**1**	**0**	**0**	**4**
Arizona	0	9	0	2	0	0	2
Colorado	1	223	0	5	0	0	28
Idaho	0	544	0	9	0	0	9
Montana	97	1,240	0	172	0	0	7
Nevada	0	2	0	0	0	0	1
New Mexico	0	44	0	6	0	0	90
Utah	3	21	0	4	0	0	39
Wyoming	2	7	0	300	0	0	12
Pacific Contiguous	**0**	**16**	**0**	**2**	**145**	**0**	**2**
California	0	9	0	3	145	0	5
Oregon	0	0	0	1	0	0	3
Washington	0	410	0	4	0	0	1
Pacific Noncontiguous	**0**	**3**	**0**	**13**	**0**	**0**	**22**
Alaska	0	6	0	13	0	0	22
Hawaii	0	3	0	0	0	0	303
U.S. Total	**0**	**3**	**0**	**1**	**12**	**0**	**1**

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Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, September 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**164**	**4**	**0**	**0**	**13**
Connecticut	0	0	0	0	0	0	0	132
Maine	0	0	0	0	0	0	0	101
Massachusetts	0	0	0	164	68	0	0	29
New Hampshire	0	0	0	0	0	0	0	10
Rhode Island	0	0	0	0	0	0	0	25
Vermont	0	0	0	0	0	0	0	25
Middle Atlantic	**0**	**0**	**0**	**70**	**70**	**0**	**0**	**2**
New Jersey	0	0	0	70	70	0	0	6
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	24
East North Central	**0**	**0**	**0**	**126**	**3**	**0**	**0**	**0**
Illinois	0	0	0	0	130	0	0	1
Indiana	0	0	0	0	17	0	0	0
Michigan	0	0	0	0	4	0	0	1
Ohio	0	0	0	126	88	0	0	1
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**5**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	0	0	0	2
Minnesota	0	0	0	0	3	0	0	2
Missouri	0	0	0	0	67	0	0	1
Nebraska	0	0	0	0	11	0	0	2
North Dakota	0	0	0	0	2	0	34	3
South Dakota	0	0	0	0	2	0	0	4
South Atlantic	**0**	**0**	**0**	**14**	**3**	**0**	**0**	**0**
Delaware	0	0	0	149	149	0	0	195
Florida	0	0	0	0	5	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	127	121	0	0	118
North Carolina	0	0	0	0	0	0	0	0
South Carolina	0	0	0	0	7	0	0	1
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**0**	**29**	**0**	**0**	**0**
Alabama	0	0	0	0	247	0	0	1
Kentucky	0	0	0	0	29	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	0	0	0	0	1
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**
Arkansas	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	1
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	3	0	0	1
Mountain	**0**	**0**	**0**	**29**	**4**	**0**	**34**	**1**
Arizona	0	0	0	32	30	0	0	0
Colorado	0	0	0	0	40	0	0	1
Idaho	0	0	0	0	0	0	0	7
Montana	0	0	0	0	0	0	0	12
Nevada	0	0	0	0	0	0	34	0
New Mexico	0	0	0	62	62	0	0	1
Utah	0	0	0	0	0	0	0	2
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**0**	**0**	**22**	**2**	**0**	**0**	**1**
California	0	0	0	22	5	0	0	2
Oregon	0	0	0	155	2	0	0	2
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**32**	**0**	**0**	**5**
Alaska	0	0	0	0	60	0	0	9
Hawaii	0	0	0	0	0	0	0	3
U.S. Total	**0**	**0**	**0**	**15**	**1**	**0**	**5**	**0**

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

Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through September 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**4**	**0**	**8**	**0**	**0**	**9**
Connecticut	0	33	0	97	0	0	52
Maine	0	50	0	0	0	0	0
Massachusetts	0	2	0	3	0	0	21
New Hampshire	0	2	0	0	0	0	8
Rhode Island	0	12	0	0	0	0	0
Vermont	0	106	0	0	0	0	16
Middle Atlantic	**252**	**2**	**0**	**2**	**0**	**0**	**1**
New Jersey	0	236	0	0	0	0	0
New York	252	2	0	2	0	0	1
Pennsylvania	0	84	0	223	0	0	3
East North Central	**0**	**1**	**0**	**1**	**0**	**0**	**7**
Illinois	0	11	0	7	0	0	54
Indiana	0	3	0	1	0	0	9
Michigan	1	2	0	4	0	0	14
Ohio	0	2	0	1	0	0	10
Wisconsin	0	7	0	2	0	0	11
West North Central	**0**	**2**	**0**	**2**	**0**	**0**	**2**
Iowa	1	3	0	6	0	0	16
Kansas	0	3	0	10	0	0	0
Minnesota	1	10	0	2	0	0	25
Missouri	0	7	0	3	0	0	3
Nebraska	1	4	0	9	0	0	12
North Dakota	1	6	0	401	0	0	0
South Dakota	2	18	0	14	0	0	0
South Atlantic	**0**	**2**	**0**	**0**	**0**	**0**	**2**
Delaware	0	234	0	119	0	0	0
Florida	0	3	0	0	0	0	27
Georgia	0	3	0	0	0	0	4
Maryland	0	38	0	0	0	0	0
North Carolina	0	5	0	1	0	0	2
South Carolina	0	7	0	1	0	0	5
Virginia	0	1	0	0	0	0	7
West Virginia	0	0	0	0	0	0	17
East South Central	**0**	**2**	**0**	**1**	**0**	**0**	**1**
Alabama	0	0	0	3	0	0	1
Kentucky	0	4	0	3	0	0	2
Mississippi	0	9	0	1	0	0	0
Tennessee	0	0	0	0	0	0	2
West South Central	**0**	**3**	**0**	**1**	**0**	**0**	**3**
Arkansas	0	0	0	7	0	0	4
Louisiana	0	12	0	1	0	0	0
Oklahoma	0	4	0	1	0	0	4
Texas	0	6	0	1	0	0	13
Mountain	**0**	**3**	**0**	**0**	**0**	**0**	**1**
Arizona	0	2	0	1	0	0	1
Colorado	0	35	0	2	0	0	9
Idaho	0	270	0	3	0	0	3
Montana	35	348	0	47	0	0	2
Nevada	0	1	0	0	0	0	0
New Mexico	0	6	0	2	0	0	35
Utah	1	4	0	2	0	0	14
Wyoming	1	3	0	81	0	0	4
Pacific Contiguous	**0**	**11**	**0**	**1**	**64**	**0**	**1**
California	0	3	0	1	64	0	2
Oregon	0	0	0	0	0	0	1
Washington	0	128	0	1	0	0	0
Pacific Noncontiguous	**0**	**1**	**0**	**4**	**0**	**0**	**9**
Alaska	0	2	0	4	0	0	9
Hawaii	0	1	0	0	0	0	110
U.S. Total	**0**	**1**	**0**	**0**	**9**	**0**	**0**

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

Table A.2.B. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, Year-to-Date through September 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**67**	**1**	**0**	**0**	**3**
Connecticut	0	0	0	0	0	0	0	44
Maine	0	0	0	0	0	0	0	50
Massachusetts	0	0	0	67	21	0	0	10
New Hampshire	0	0	0	0	0	0	0	1
Rhode Island	0	0	0	0	0	0	0	12
Vermont	0	0	0	0	0	0	0	8
Middle Atlantic	**0**	**0**	**0**	**29**	**29**	**0**	**0**	**1**
New Jersey	0	0	0	29	29	0	0	3
New York	0	0	0	0	0	0	0	1
Pennsylvania	0	0	0	0	0	0	0	4
East North Central	**0**	**0**	**0**	**63**	**2**	**0**	**0**	**0**
Illinois	0	0	0	0	39	0	0	1
Indiana	0	0	0	0	11	0	0	0
Michigan	0	0	0	0	1	0	0	0
Ohio	0	0	0	63	35	0	0	0
Wisconsin	0	0	0	0	1	0	0	0
West North Central	**0**	**0**	**0**	**0**	**0**	**0**	**4**	**0**
Iowa	0	0	0	0	0	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	1	0	0	1
Missouri	0	0	0	0	33	0	0	0
Nebraska	0	0	0	0	6	0	0	1
North Dakota	0	0	0	0	1	0	22	1
South Dakota	0	0	0	0	1	0	0	1
South Atlantic	**0**	**0**	**0**	**4**	**2**	**0**	**0**	**0**
Delaware	0	0	0	92	92	0	0	100
Florida	0	0	0	0	3	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	80	77	0	0	43
North Carolina	0	0	0	240	191	0	0	0
South Carolina	0	0	0	0	4	0	0	0
Virginia	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**0**	**19**	**0**	**0**	**0**
Alabama	0	0	0	0	150	0	0	0
Kentucky	0	0	0	0	19	0	0	0
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	1	0	0	0
Mountain	**0**	**0**	**0**	**14**	**1**	**0**	**22**	**0**
Arizona	0	0	0	15	14	0	0	0
Colorado	0	0	0	0	10	0	0	1
Idaho	0	0	0	0	0	0	0	3
Montana	0	0	0	0	7	0	0	3
Nevada	0	0	0	0	0	0	22	0
New Mexico	0	0	0	39	39	0	0	0
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	0	0	0	1
Pacific Contiguous	**0**	**0**	**0**	**11**	**1**	**0**	**0**	**0**
California	0	0	0	11	2	0	0	1
Oregon	0	0	0	75	1	0	0	1
Washington	0	0	0	0	1	0	0	0
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**15**	**0**	**0**	**2**
Alaska	0	0	0	0	25	0	0	3
Hawaii	0	0	0	0	0	0	0	1
U.S. Total	**0**	**0**	**0**	**7**	**0**	**0**	**3**	**0**

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

Table A.3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, September 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**22**	**29**	**0**	**1**	**0**	**0**	**13**
Connecticut	0	79	0	1	0	0	54
Maine	0	1,661	0	0	0	0	16
Massachusetts	24	26	0	1	0	0	34
New Hampshire	0	9,872	0	0	0	0	29
Rhode Island	0	255	0	1	0	0	449
Vermont	0	0	0	0	0	0	40
Middle Atlantic	**2**	**37**	**0**	**1**	**61**	**0**	**15**
New Jersey	0	114	0	1	0	0	231
New York	14	48	0	1	0	0	18
Pennsylvania	2	52	0	1	61	0	27
East North Central	**0**	**6**	**0**	**2**	**0**	**0**	**70**
Illinois	0	0	0	2	0	0	87
Indiana	0	333,073	0	4	0	0	0
Michigan	87	0	0	7	0	0	131
Ohio	1	6	0	1	0	0	0
Wisconsin	0	0	0	0	0	0	148
West North Central	**0**	**70**	**0**	**2**	**0**	**0**	**95**
Iowa	0	88	0	3,943	0	0	473
Kansas	0	0	0	0	0	0	289
Minnesota	0	0	0	3	0	0	103
Missouri	0	0	0	4	0	0	0
South Dakota	0	118	0	0	0	0	0
South Atlantic	**1**	**16**	**0**	**1**	**0**	**0**	**12**
Delaware	3	97	0	2	0	0	0
Florida	3	260	0	5	0	0	0
Georgia	0	485	0	3	0	0	361
Maryland	0	34	0	4	0	0	8
North Carolina	22	178	0	0	0	0	224
South Carolina	0	0	0	7	0	0	169
Virginia	9	2	0	3	0	0	145
West Virginia	0	0	0	0	0	0	10
East South Central	**0**	**100**	**0**	**1**	**0**	**0**	**397**
Alabama	0	100	0	1	0	0	0
Kentucky	0	0	0	0	0	0	397
Mississippi	0	0	0	0	0	0	0
West South Central	**0**	**0**	**0**	**1**	**0**	**0**	**17**
Arkansas	0	0	0	0	0	0	178
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	2	0	0	0
Texas	0	0	0	1	0	0	192
Mountain	**6**	**75**	**0**	**2**	**0**	**0**	**14**
Arizona	0	0	0	0	0	0	0
Colorado	73	0	0	5	0	0	101
Idaho	0	0	0	6	0	0	41
Montana	5	57	0	389	0	0	15
Nevada	0	0	0	5	0	0	172
New Mexico	0	674	0	6	0	0	0
Utah	118	0	0	37	0	0	379
Wyoming	62	0	0	478	0	0	424
Pacific Contiguous	**2**	**62**	**98**	**2**	**0**	**0**	**24**
California	16	2,408	98	2	0	0	28
Oregon	0	0	0	2	0	0	59
Washington	0	18	0	0	0	0	77
Pacific Noncontiguous	**4**	**2**	**0**	**0**	**0**	**0**	**0**
Alaska	38	0	0	0	0	0	0
Hawaii	0	2	0	0	0	0	0
U.S. Total	**0**	**8**	**5**	**0**	**2**	**0**	**7**

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

Table A.3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, September 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**40**	**4**	**0**	**3**	**1**
Connecticut	0	0	0	0	6	0	4	1
Maine	0	0	0	0	2	0	6	6
Massachusetts	0	0	0	45	7	0	4	1
New Hampshire	0	0	0	0	15	0	26	2
Rhode Island	0	0	0	216	26	0	0	1
Vermont	0	0	0	105	32	0	0	5
Middle Atlantic	**0**	**0**	**0**	**20**	**2**	**0**	**3**	**0**
New Jersey	0	0	0	24	11	0	6	1
New York	0	0	0	0	2	0	3	1
Pennsylvania	0	0	0	58	4	0	6	1
East North Central	**0**	**0**	**0**	**52**	**2**	**0**	**18**	**0**
Illinois	0	0	0	67	1	0	0	0
Indiana	0	0	0	159	1	0	0	1
Michigan	0	0	0	0	5	0	18	3
Ohio	0	0	0	95	6	0	0	0
Wisconsin	0	0	0	0	10	0	0	1
West North Central	**0**	**0**	**0**	**228**	**1**	**0**	**17**	**1**
Iowa	0	0	0	0	1	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	228	3	0	17	2
Missouri	0	0	0	0	2	0	0	2
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	1	0	0	1
South Dakota	0	0	0	0	0	0	0	0
South Atlantic	**0**	**0**	**0**	**19**	**3**	**0**	**3**	**1**
Delaware	0	0	0	61	37	0	0	2
Florida	0	0	0	73	5	0	3	3
Georgia	0	0	0	297	12	0	0	3
Maryland	0	0	0	43	9	0	0	0
North Carolina	0	0	0	23	10	0	34	3
South Carolina	0	0	0	0	63	0	0	7
Virginia	0	0	0	0	9	0	0	2
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**80**	**11**	**0**	**0**	**1**
Alabama	0	0	0	0	0	0	0	1
Kentucky	0	0	0	0	0	0	0	34
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	80	42	0	0	42
West South Central	**0**	**0**	**0**	**28**	**1**	**0**	**0**	**0**
Arkansas	0	0	0	0	41	0	0	1
Louisiana	0	0	0	0	33	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	28	1	0	0	0
Mountain	**0**	**5**	**0**	**5**	**1**	**0**	**3**	**2**
Arizona	0	0	0	5	5	0	0	1
Colorado	0	0	0	18	1	0	52	3
Idaho	0	0	0	0	6	0	0	5
Montana	0	0	0	0	5	0	0	5
Nevada	0	5	0	8	4	0	0	3
New Mexico	0	0	0	24	5	0	0	4
Utah	0	31	0	261	6	0	168	29
Wyoming	0	0	0	0	3	0	0	19
Pacific Contiguous	**0**	**2**	**0**	**4**	**1**	**0**	**10**	**1**
California	0	2	0	4	1	0	11	1
Oregon	0	0	0	112	2	0	32	2
Washington	0	0	0	0	1	0	24	1
Pacific Noncontiguous	**0**	**0**	**0**	**88**	**8**	**0**	**0**	**2**
Alaska	0	0	0	0	77	0	0	34
Hawaii	0	0	0	88	7	0	0	2
U.S. Total	**0**	**2**	**0**	**4**	**1**	**0**	**2**	**0**

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

Table A.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Independent Power Producers by Census Division and State, Year-to-Date through September 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**3**	**0**	**0**	**0**	**0**	**4**
Connecticut	0	3	0	1	0	0	17
Maine	0	1	0	0	0	0	5
Massachusetts	2	9	0	1	0	0	10
New Hampshire	0	2,245	0	0	0	0	8
Rhode Island	0	23	0	0	0	0	137
Vermont	0	0	0	0	0	0	12
Middle Atlantic	**0**	**4**	**0**	**0**	**31**	**0**	**4**
New Jersey	0	8	0	1	0	0	67
New York	2	5	0	1	0	0	5
Pennsylvania	0	6	0	0	31	0	8
East North Central	**0**	**2**	**0**	**0**	**0**	**0**	**24**
Illinois	0	0	0	1	0	0	24
Indiana	0	75,557	0	2	0	0	0
Michigan	8	0	0	1	0	0	42
Ohio	0	2	0	0	0	0	0
Wisconsin	0	0	0	0	0	0	53
West North Central	**0**	**28**	**0**	**1**	**0**	**0**	**33**
Iowa	0	43	0	1,375	0	0	167
Kansas	0	0	0	0	0	0	89
Minnesota	0	20	0	2	0	0	36
Missouri	0	0	0	2	0	0	0
South Dakota	0	58	0	0	0	0	395
South Atlantic	**0**	**5**	**0**	**1**	**0**	**0**	**3**
Delaware	1	13	0	1	0	0	0
Florida	2	67	0	3	0	0	0
Georgia	0	415	0	1	0	0	115
Maryland	0	8	0	3	0	0	2
North Carolina	8	27	0	0	0	0	64
South Carolina	0	0	0	7	0	0	52
Virginia	12	4	0	1	0	0	44
West Virginia	0	0	0	0	0	0	4
East South Central	**0**	**43**	**0**	**0**	**0**	**0**	**121**
Alabama	0	43	0	0	0	0	0
Kentucky	0	0	0	8	0	0	121
Mississippi	0	0	0	1	0	0	0
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**3**
Arkansas	0	0	0	0	0	0	54
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	1	0	0	0
Texas	0	0	0	0	0	0	58
Mountain	**2**	**12**	**0**	**1**	**0**	**0**	**5**
Arizona	0	0	0	0	0	0	0
Colorado	26	0	0	2	0	0	37
Idaho	0	0	0	2	0	0	13
Montana	2	7	0	119	0	0	5
Nevada	0	0	0	2	0	0	61
New Mexico	0	176	0	2	0	0	0
Utah	35	311	0	15	0	0	136
Wyoming	22	0	0	145	0	0	158
Pacific Contiguous	**1**	**10**	**38**	**1**	**0**	**0**	**9**
California	6	29	38	1	0	0	10
Oregon	0	0	0	1	0	0	23
Washington	0	4	0	0	0	0	24
Pacific Noncontiguous	**2**	**4**	**0**	**0**	**0**	**0**	**0**
Alaska	14	0	0	0	0	0	0
Hawaii	0	4	0	0	0	0	0
U.S. Total	**0**	**2**	**1**	**0**	**0**	**0**	**2**

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

Table A.3.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:
Independent Power Producers by Census Division and State, Year-to-Date through September 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**21**	**2**	**0**	**2**	**0**
Connecticut	0	0	0	0	4	0	3	0
Maine	0	0	0	0	1	0	5	2
Massachusetts	0	0	0	23	4	0	3	1
New Hampshire	0	0	0	0	6	0	17	1
Rhode Island	0	0	0	138	16	0	0	1
Vermont	0	0	0	54	11	0	0	2
Middle Atlantic	**0**	**0**	**0**	**10**	**1**	**0**	**2**	**0**
New Jersey	0	0	0	12	5	0	4	0
New York	0	0	0	0	1	0	2	0
Pennsylvania	0	0	0	26	1	0	2	0
East North Central	**0**	**0**	**0**	**21**	**1**	**0**	**8**	**0**
Illinois	0	0	0	27	1	0	0	0
Indiana	0	0	0	87	0	0	0	1
Michigan	0	0	0	0	2	0	8	1
Ohio	0	0	0	37	3	0	0	0
Wisconsin	0	0	0	0	4	0	0	0
West North Central	**0**	**0**	**0**	**109**	**0**	**0**	**11**	**0**
Iowa	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	109	1	0	11	1
Missouri	0	0	0	0	1	0	0	1
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	1	0	0	1
South Dakota	0	0	0	0	0	0	0	1
South Atlantic	**0**	**0**	**0**	**10**	**1**	**0**	**2**	**0**
Delaware	0	0	0	29	19	0	0	1
Florida	0	0	0	26	2	0	2	2
Georgia	0	0	0	211	6	0	0	1
Maryland	0	0	0	27	3	0	0	0
North Carolina	0	0	0	13	4	0	12	1
South Carolina	0	0	0	0	40	0	0	7
Virginia	0	0	0	0	5	0	0	2
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**48**	**5**	**0**	**0**	**0**
Alabama	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	8
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	48	16	0	0	16
West South Central	**0**	**0**	**0**	**12**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	23	0	0	0
Louisiana	0	0	0	0	21	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	12	0	0	0	0
Mountain	**0**	**2**	**0**	**2**	**1**	**0**	**2**	**1**
Arizona	0	0	0	3	2	0	0	0
Colorado	0	0	0	9	0	0	34	1
Idaho	0	12	0	0	2	0	0	2
Montana	0	0	0	0	1	0	0	1
Nevada	0	2	0	3	1	0	0	1
New Mexico	0	0	0	11	2	0	0	1
Utah	0	13	0	124	3	0	60	10
Wyoming	0	0	0	0	1	0	0	6
Pacific Contiguous	**0**	**1**	**0**	**2**	**0**	**0**	**6**	**0**
California	0	1	0	2	1	0	6	0
Oregon	0	0	0	53	1	0	21	1
Washington	0	0	0	0	0	0	16	1
Pacific Noncontiguous	**0**	**0**	**0**	**46**	**3**	**0**	**0**	**2**
Alaska	0	0	0	0	20	0	0	12
Hawaii	0	0	0	46	3	0	0	2
U.S. Total	**0**	**1**	**0**	**2**	**0**	**0**	**1**	**0**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**135**	**0**	**17**	**0**	**0**	**489**
Connecticut	0	316	0	42	0	0	0
Maine	0	618	0	823	0	0	0
Massachusetts	0	180	0	13	0	0	489
New Hampshire	0	226	0	0	0	0	0
Rhode Island	0	1,037	0	89	0	0	0
Vermont	0	798	0	0	0	0	0
Middle Atlantic	**301**	**133**	**0**	**18**	**180**	**0**	**499**
New Jersey	0	1,965	0	47	180	0	0
New York	0	64	0	18	0	0	499
Pennsylvania	301	22	0	83	0	0	0
East North Central	**15**	**267**	**0**	**18**	**0**	**0**	**418**
Illinois	165	342	0	8	0	0	804
Indiana	14	3,724	0	86	0	0	0
Michigan	0	88	0	32	0	0	0
Ohio	296	207	0	46	0	0	0
Wisconsin	131	7,087	0	114	0	0	469
West North Central	**26**	**148**	**0**	**53**	**0**	**0**	**0**
Iowa	41	526	0	393	0	0	0
Minnesota	184	162	0	101	0	0	0
Missouri	0	276	0	0	0	0	0
Nebraska	0	0	0	588	0	0	0
North Dakota	0	524	0	0	0	0	0
South Dakota	0	565	0	0	0	0	0
South Atlantic	**65**	**248**	**0**	**36**	**0**	**0**	**160**
District of Columbia	0	0	0	72	0	0	0
Florida	0	0	0	128	0	0	0
Georgia	0	67	0	0	0	0	0
Maryland	0	8,770	0	45	0	0	0
North Carolina	0	194	0	0	0	0	162
South Carolina	0	114	0	374	0	0	0
Virginia	179	34	0	0	0	0	0
East South Central	**118**	**0**	**0**	**58**	**0**	**0**	**0**
Mississippi	0	0	0	188	0	0	0
Tennessee	118	0	0	58	0	0	0
West South Central	**0**	**160**	**0**	**21**	**0**	**0**	**0**
Arkansas	0	0	0	986	0	0	0
Louisiana	0	0	0	136	0	0	0
Oklahoma	0	111	0	128	0	0	0
Texas	0	236	0	20	0	0	0
Mountain	**0**	**17**	**0**	**51**	**0**	**0**	**0**
Arizona	0	331	0	104	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	97	0	0	0
New Mexico	0	0	0	87	0	0	0
Utah	0	0	0	628	0	0	0
Pacific Contiguous	**0**	**188**	**0**	**20**	**0**	**0**	**342**
California	0	78	0	21	0	0	342
Oregon	0	731	0	175	0	0	0
Washington	0	1,345	0	325	0	0	0
Pacific Noncontiguous	**14**	**75**	**0**	**520**	**0**	**0**	**0**
Alaska	14	164	0	520	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**12**	**84**	**0**	**9**	**180**	**0**	**162**

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

Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, September 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**146**	**43**	**0**	**37**	**15**
Connecticut	0	0	0	0	0	0	0	42
Maine	0	0	0	0	46	0	37	30
Massachusetts	0	0	0	146	125	0	0	16
New Hampshire	0	0	0	0	0	0	0	226
Rhode Island	0	0	0	0	0	0	0	90
Vermont	0	0	0	0	277	0	0	331
Middle Atlantic	**0**	**0**	**0**	**49**	**14**	**0**	**11**	**9**
New Jersey	0	0	0	49	18	0	0	16
New York	0	0	0	0	31	0	24	13
Pennsylvania	0	0	0	0	14	0	0	16
East North Central	**0**	**0**	**0**	**210**	**20**	**0**	**14**	**12**
Illinois	0	0	0	0	15,212	0	0	10
Indiana	0	0	0	0	101	0	82	22
Michigan	0	0	0	0	18	0	14	17
Ohio	0	0	0	210	210	0	0	45
Wisconsin	0	0	0	0	145	0	1,030	88
West North Central	**0**	**0**	**0**	**0**	**56**	**0**	**68**	**24**
Iowa	0	0	0	0	82	0	0	35
Minnesota	0	0	0	0	91	0	68	68
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	136	0	0	159
North Dakota	0	0	0	0	0	0	0	524
South Dakota	0	0	0	0	0	0	0	565
South Atlantic	**0**	**0**	**0**	**58**	**18**	**0**	**14**	**14**
Delaware	0	0	0	0	210	0	0	210
District of Columbia	0	0	0	0	0	0	0	72
Florida	0	0	0	297	78	0	0	76
Georgia	0	0	0	200	86	0	0	83
Maryland	0	0	0	169	62	0	422	37
North Carolina	0	0	0	65	65	0	0	36
South Carolina	0	0	0	0	0	0	0	321
Virginia	0	0	0	0	18	0	14	14
East South Central	**0**	**0**	**0**	**205**	**205**	**0**	**0**	**51**
Mississippi	0	0	0	0	0	0	0	188
Tennessee	0	0	0	205	205	0	0	51
West South Central	**0**	**0**	**0**	**251**	**74**	**0**	**0**	**20**
Arkansas	0	0	0	0	217	0	0	214
Louisiana	0	0	0	0	0	0	0	136
Oklahoma	0	0	0	0	0	0	0	126
Texas	0	0	0	251	79	0	0	19
Mountain	**0**	**0**	**0**	**47**	**47**	**0**	**0**	**39**
Arizona	0	0	0	102	102	0	0	78
Colorado	0	0	0	190	117	0	0	60
Nevada	0	0	0	34	34	0	0	65
New Mexico	0	0	0	0	322	0	0	84
Utah	0	0	0	0	0	0	0	628
Pacific Contiguous	**0**	**0**	**0**	**52**	**12**	**0**	**0**	**13**
California	0	0	0	52	12	0	0	13
Oregon	0	0	0	0	94	0	0	112
Washington	0	0	0	0	0	0	0	318
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**6**
Alaska	0	0	0	0	0	0	0	15
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**26**	**8**	**0**	**7**	**5**

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

Table A.4.B. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, Year-to-Date through September 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**28**	**0**	**9**	**0**	**0**	**149**
Connecticut	0	157	0	24	0	0	0
Maine	0	145	0	461	0	0	0
Massachusetts	0	33	0	7	0	0	149
New Hampshire	0	56	0	0	0	0	0
Rhode Island	0	197	0	48	0	0	0
Vermont	0	188	0	0	0	0	0
Middle Atlantic	**79**	**81**	**0**	**9**	**117**	**0**	**152**
New Jersey	0	300	0	26	117	0	0
New York	0	93	0	9	0	0	152
Pennsylvania	79	15	0	43	0	0	0
East North Central	**4**	**171**	**0**	**7**	**0**	**0**	**144**
Illinois	13	99	0	5	0	0	253
Indiana	6	1,110	0	47	0	0	0
Michigan	0	175	0	9	0	0	0
Ohio	81	103	0	25	0	0	0
Wisconsin	40	1,951	0	33	0	0	165
West North Central	**8**	**96**	**0**	**15**	**0**	**0**	**0**
Iowa	13	163	0	97	0	0	0
Minnesota	51	107	0	24	0	0	0
Missouri	0	137	0	0	0	0	0
Nebraska	0	0	0	146	0	0	0
North Dakota	0	260	0	0	0	0	0
South Dakota	0	280	0	0	0	0	0
South Atlantic	**21**	**101**	**0**	**20**	**0**	**0**	**52**
District of Columbia	0	0	0	40	0	0	0
Florida	0	0	0	66	0	0	0
Georgia	0	33	0	0	0	0	0
Maryland	0	2,943	0	25	0	0	0
North Carolina	0	96	0	0	0	0	49
South Carolina	0	57	0	112	0	0	433
Virginia	68	25	0	0	0	0	0
East South Central	**37**	**0**	**0**	**33**	**0**	**0**	**0**
Mississippi	0	0	0	115	0	0	0
Tennessee	37	0	0	32	0	0	0
West South Central	**0**	**108**	**0**	**12**	**0**	**0**	**0**
Arkansas	0	0	0	403	0	0	0
Louisiana	0	0	0	84	0	0	0
Oklahoma	0	55	0	57	0	0	0
Texas	0	161	0	11	0	0	0
Mountain	**0**	**55**	**0**	**15**	**0**	**0**	**0**
Arizona	0	165	0	29	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	29	0	0	0
New Mexico	0	0	0	26	0	0	0
Utah	0	0	0	180	0	0	0
Pacific Contiguous	**0**	**183**	**0**	**6**	**0**	**0**	**115**
California	0	39	0	6	0	0	115
Oregon	0	1,451	0	41	0	0	0
Washington	0	443	0	107	0	0	0
Pacific Noncontiguous	**5**	**27**	**0**	**150**	**0**	**0**	**0**
Alaska	5	48	0	150	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**4**	**24**	**0**	**3**	**117**	**0**	**54**

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Table A.4.B. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, Year-to-Date through September 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**107**	**18**	**0**	**13**	**7**
Connecticut	0	0	0	0	0	0	0	24
Maine	0	0	0	0	20	0	13	12
Massachusetts	0	0	0	107	38	0	0	7
New Hampshire	0	0	0	0	0	0	0	56
Rhode Island	0	0	0	0	0	0	0	47
Vermont	0	0	0	0	85	0	0	101
Middle Atlantic	**0**	**0**	**0**	**24**	**6**	**0**	**4**	**4**
New Jersey	0	0	0	24	8	0	0	8
New York	0	0	0	291	14	0	9	6
Pennsylvania	0	0	0	0	6	0	0	9
East North Central	**0**	**0**	**0**	**100**	**10**	**0**	**6**	**4**
Illinois	0	0	0	0	4,492	0	0	5
Indiana	0	0	0	0	43	0	29	12
Michigan	0	0	0	0	9	0	6	5
Ohio	0	0	0	100	100	0	0	24
Wisconsin	0	0	0	0	65	0	495	28
West North Central	**0**	**0**	**0**	**0**	**23**	**0**	**25**	**7**
Iowa	0	0	0	0	36	0	0	12
Minnesota	0	0	0	0	31	0	25	17
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	61	0	0	57
North Dakota	0	0	0	0	0	0	0	260
South Dakota	0	0	0	0	0	0	0	280
South Atlantic	**0**	**0**	**0**	**28**	**8**	**0**	**5**	**7**
Delaware	0	0	0	0	65	0	0	65
District of Columbia	0	0	0	0	0	0	0	40
Florida	0	0	0	142	35	0	0	39
Georgia	0	0	0	96	38	0	0	37
Maryland	0	0	0	83	26	0	161	20
North Carolina	0	0	0	32	32	0	0	16
South Carolina	0	0	0	0	0	0	0	114
Virginia	0	0	0	0	8	0	5	5
East South Central	**0**	**0**	**0**	**146**	**146**	**0**	**0**	**28**
Mississippi	0	0	0	0	0	0	0	115
Tennessee	0	0	0	146	146	0	0	27
West South Central	**0**	**0**	**0**	**120**	**33**	**0**	**0**	**11**
Arkansas	0	0	0	0	96	0	0	96
Louisiana	0	0	0	0	0	0	0	84
Oklahoma	0	0	0	0	0	0	0	57
Texas	0	0	0	120	35	0	0	11
Mountain	**0**	**0**	**0**	**19**	**17**	**0**	**0**	**12**
Arizona	0	0	0	67	60	0	0	26
Colorado	0	0	0	43	31	0	0	23
Nevada	0	0	0	20	20	0	0	19
New Mexico	0	0	0	0	87	0	0	25
Utah	0	0	0	0	0	0	0	180
Pacific Contiguous	**0**	**0**	**0**	**22**	**5**	**0**	**0**	**4**
California	0	0	0	22	5	0	0	4
Oregon	0	0	0	0	41	0	0	30
Washington	0	0	0	0	0	0	0	105
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**
Alaska	0	0	0	0	0	0	0	5
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**12**	**4**	**0**	**2**	**2**

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

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, September 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**45**	**236**	**0**	**8**	**0**	**0**	**30**
Connecticut	0	682	0	40	0	0	0
Maine	0	348	0	8	0	0	29
Massachusetts	95	230	0	50	0	0	469
New Hampshire	0	381	0	121	0	0	535
Vermont	0	0	0	0	0	0	247
Middle Atlantic	**16**	**26**	**129**	**17**	**12**	**0**	**142**
New Jersey	0	1,186	196	29	46	0	0
New York	0	3	0	38	0	0	142
Pennsylvania	24	270	167	24	8	0	0
East North Central	**6**	**19**	**55**	**18**	**7**	**0**	**101**
Illinois	7	2,355	0	31	32	0	0
Indiana	79	15	0	21	6	0	0
Michigan	31	0	145	90	0	0	255
Ohio	23	0	11,027	68	38	0	0
Wisconsin	9	193	0	61	0	0	111
West North Central	**8**	**168**	**0**	**67**	**89**	**0**	**117**
Iowa	8	253	0	0	0	0	0
Kansas	0	0	0	110	0	0	0
Minnesota	20	289	0	93	0	0	117
Missouri	85	0	0	449	0	0	0
Nebraska	30	0	0	196	0	0	0
North Dakota	58	216	0	230	89	0	0
South Atlantic	**12**	**18**	**0**	**9**	**0**	**0**	**12**
Delaware	0	0	0	0	0	0	0
Florida	56	60	0	15	0	0	0
Georgia	14	20	0	20	0	0	262
Maryland	0	0	0	70	0	0	0
North Carolina	56	94	0	52	0	0	17
South Carolina	17	0	0	48	0	0	0
Virginia	27	48	0	23	0	0	353
West Virginia	6	0	0	247	0	0	0
East South Central	**5**	**85**	**0**	**7**	**10**	**0**	**15**
Alabama	27	69	0	10	11	0	0
Kentucky	0	0	0	42	0	0	0
Mississippi	0	0	0	10	0	0	0
Tennessee	3	727	0	42	0	0	15
West South Central	**35**	**50**	**20**	**2**	**5**	**0**	**0**
Arkansas	0	17,274	0	26	0	0	0
Louisiana	0	0	90	2	5	0	0
Oklahoma	42	0	0	80	0	0	0
Texas	0	278	7	2	8	0	0
Mountain	**9**	**1,245**	**0**	**28**	**39**	**0**	**0**
Arizona	0	0	0	0	0	0	0
Colorado	0	1,766	0	193	0	0	0
Idaho	63	0	0	30	0	0	0
Montana	193	0	0	0	0	0	0
Nevada	0	0	0	53	0	0	0
New Mexico	0	0	0	96	0	0	0
Utah	0	0	0	54	82	0	0
Wyoming	26	1,292	0	31	37	0	0
Pacific Contiguous	**6**	**48**	**0**	**7**	**4**	**0**	**811**
California	7	106	0	7	4	0	0
Oregon	0	0	0	99	0	0	0
Washington	0	53	0	0	0	0	811
Pacific Noncontiguous	**127**	**63**	**0**	**144**	**77**	**0**	**192**
Alaska	0	13	0	144	383	0	0
Hawaii	127	86	0	0	77	0	192
U.S. Total	**4**	**26**	**19**	**2**	**3**	**0**	**10**

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

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, September 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**0**	**3**	**0**	**14**	**5**
Connecticut	0	0	0	0	0	0	352	40
Maine	0	0	0	0	4	0	0	5
Massachusetts	0	0	0	0	0	0	0	12
New Hampshire	0	0	0	0	0	0	0	124
Vermont	0	0	0	0	0	0	0	247
Middle Atlantic	**0**	**0**	**0**	**172**	**10**	**0**	**0**	**9**
New Jersey	0	0	0	297	297	0	0	28
New York	0	0	0	0	5	0	0	13
Pennsylvania	0	0	0	210	15	0	0	11
East North Central	**0**	**0**	**0**	**0**	**6**	**0**	**8**	**4**
Illinois	0	0	0	0	0	0	22	7
Indiana	0	0	0	0	109	0	0	5
Michigan	0	0	0	0	10	0	0	18
Ohio	0	0	0	0	13	0	0	15
Wisconsin	0	0	0	0	11	0	65	8
West North Central	**0**	**0**	**0**	**0**	**7**	**0**	**60**	**7**
Iowa	0	0	0	0	0	0	0	8
Kansas	0	0	0	0	0	0	0	110
Minnesota	0	0	0	0	8	0	60	12
Missouri	0	0	0	0	297	0	0	81
Nebraska	0	0	0	0	0	0	0	31
North Dakota	0	0	0	0	0	0	0	55
South Atlantic	**0**	**0**	**0**	**0**	**2**	**0**	**5**	**3**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	7	0	5	6
Georgia	0	0	0	0	4	0	3	5
Maryland	0	0	0	0	0	0	0	16
North Carolina	0	0	0	0	6	0	0	9
South Carolina	0	0	0	0	0	0	0	2
Virginia	0	0	0	0	5	0	0	8
West Virginia	0	0	0	0	0	0	0	3
East South Central	**0**	**0**	**0**	**0**	**3**	**0**	**48**	**3**
Alabama	0	0	0	0	4	0	0	4
Kentucky	0	0	0	0	127	0	0	41
Mississippi	0	0	0	0	3	0	201	5
Tennessee	0	0	0	0	10	0	0	5
West South Central	**0**	**0**	**0**	**0**	**4**	**0**	**11**	**2**
Arkansas	0	0	0	0	3	0	0	4
Louisiana	0	0	0	0	6	0	7	2
Oklahoma	0	0	0	0	24	0	108	25
Texas	0	0	0	0	10	0	19	2
Mountain	**0**	**0**	**0**	**0**	**6**	**0**	**10**	**9**
Arizona	0	0	0	0	0	0	0	0
Colorado	0	0	0	0	303	0	54	64
Idaho	0	0	0	0	5	0	0	12
Montana	0	0	0	0	0	0	0	193
Nevada	0	0	0	0	0	0	0	53
New Mexico	0	0	0	0	0	0	0	96
Utah	0	0	0	0	0	0	0	7
Wyoming	0	0	0	0	0	0	0	19
Pacific Contiguous	**0**	**0**	**0**	**175**	**6**	**0**	**11**	**5**
California	0	0	0	175	15	0	11	6
Oregon	0	0	0	0	9	0	0	18
Washington	0	0	0	0	7	0	0	6
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**47**	**0**	**0**	**38**
Alaska	0	0	0	0	347	0	0	87
Hawaii	0	0	0	0	47	0	0	41
U.S. Total	**0**	**0**	**0**	**122**	**2**	**0**	**5**	**1**

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

Table A.5.B. Relative Standard Error for Net Generation by Fuel Type:
Industrial Sector by Census Division and State, Year-to-Date through September 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**15**	**24**	**0**	**5**	**0**	**0**	**9**
Connecticut	0	137	0	21	0	0	0
Maine	0	31	0	4	0	0	9
Massachusetts	32	20	0	26	0	0	143
New Hampshire	0	4,748	0	66	0	0	162
Vermont	0	0	0	0	0	0	75
Middle Atlantic	**5**	**9**	**39**	**9**	**4**	**0**	**43**
New Jersey	0	299	65	16	15	0	0
New York	0	6	0	18	0	0	43
Pennsylvania	7	84	48	12	3	0	0
East North Central	**2**	**9**	**13**	**8**	**3**	**0**	**36**
Illinois	2	1,168	0	17	11	0	0
Indiana	28	8	0	11	2	0	0
Michigan	10	0	42	19	0	0	90
Ohio	6	0	288	40	13	0	0
Wisconsin	3	109	0	20	0	0	40
West North Central	**3**	**48**	**0**	**18**	**28**	**0**	**42**
Iowa	3	126	0	105	0	0	0
Kansas	0	0	0	37	0	0	0
Minnesota	7	64	0	22	0	0	42
Missouri	25	0	0	239	0	0	0
Nebraska	10	0	0	49	0	0	0
North Dakota	20	74	0	53	28	0	0
South Atlantic	**4**	**8**	**0**	**5**	**0**	**0**	**4**
Delaware	0	0	0	0	0	0	0
Florida	20	30	0	9	0	0	0
Georgia	5	9	0	12	0	0	80
Maryland	0	0	0	38	0	0	0
North Carolina	19	42	0	21	0	0	6
South Carolina	6	0	0	14	0	0	0
Virginia	8	15	0	18	0	0	108
West Virginia	3	0	0	124	0	0	1
East South Central	**2**	**24**	**0**	**4**	**5**	**0**	**5**
Alabama	10	25	0	5	5	0	0
Kentucky	0	0	0	22	0	0	0
Mississippi	0	0	0	6	0	0	0
Tennessee	1	143	0	18	0	0	5
West South Central	**12**	**13**	**6**	**1**	**2**	**0**	**0**
Arkansas	0	161	0	15	0	0	0
Louisiana	163	0	24	1	2	0	0
Oklahoma	16	0	0	37	0	0	0
Texas	0	132	2	1	3	0	0
Mountain	**4**	**169**	**0**	**6**	**4**	**0**	**0**
Arizona	82	137	0	84	0	0	0
Colorado	0	876	0	56	0	0	0
Idaho	21	0	0	14	0	0	0
Montana	60	0	0	0	0	0	0
Nevada	0	0	0	15	0	0	0
New Mexico	0	0	0	28	0	0	0
Utah	0	0	0	14	37	0	0
Wyoming	9	440	0	5	2	0	0
Pacific Contiguous	**2**	**14**	**0**	**2**	**2**	**0**	**286**
California	2	15	0	2	2	0	0
Oregon	0	0	0	23	0	0	0
Washington	0	21	0	0	0	0	286
Pacific Noncontiguous	**50**	**16**	**0**	**33**	**33**	**0**	**69**
Alaska	0	6	0	33	122	0	0
Hawaii	50	23	0	0	35	0	69
U.S. Total	**1**	**6**	**5**	**1**	**1**	**0**	**3**

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Table A.5.B. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, Year-to-Date through September 2013 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**0**	**1**	**0**	**5**	**2**
Connecticut	0	0	0	0	0	0	128	21
Maine	0	0	0	0	1	0	0	2
Massachusetts	0	0	0	0	0	0	0	6
New Hampshire	0	0	0	0	257	0	0	62
Vermont	0	0	0	0	0	0	0	75
Middle Atlantic	**0**	**0**	**0**	**63**	**3**	**0**	**0**	**3**
New Jersey	0	0	0	142	142	0	0	12
New York	0	0	0	0	2	0	0	6
Pennsylvania	0	0	0	69	4	0	0	4
East North Central	**0**	**0**	**0**	**0**	**2**	**0**	**3**	**2**
Illinois	0	0	0	0	0	0	8	3
Indiana	0	0	0	0	49	0	0	3
Michigan	0	0	0	0	3	0	0	5
Ohio	0	0	0	0	4	0	0	5
Wisconsin	0	0	0	0	3	0	24	3
West North Central	**0**	**0**	**0**	**0**	**3**	**0**	**21**	**3**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	0	0	0	37
Minnesota	0	0	0	0	3	0	21	5
Missouri	0	0	0	0	140	0	0	25
Nebraska	0	0	0	0	0	0	0	10
North Dakota	0	0	0	0	224	0	0	16
South Atlantic	**0**	**0**	**0**	**0**	**1**	**0**	**2**	**1**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	2	0	2	3
Georgia	0	0	0	0	1	0	4	2
Maryland	0	0	0	0	0	0	0	7
North Carolina	0	0	0	0	2	0	0	3
South Carolina	0	0	0	0	0	0	0	1
Virginia	0	0	0	0	2	0	0	3
West Virginia	0	0	0	0	0	0	0	2
East South Central	**0**	**0**	**0**	**0**	**1**	**0**	**30**	**1**
Alabama	0	0	0	0	1	0	0	2
Kentucky	0	0	0	0	2	0	0	12
Mississippi	0	0	0	0	1	0	66	3
Tennessee	0	0	0	0	3	0	0	2
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**4**	**1**
Arkansas	0	0	0	0	1	0	0	2
Louisiana	0	0	0	0	2	0	3	1
Oklahoma	0	0	0	0	9	0	41	10
Texas	0	0	0	0	3	0	7	1
Mountain	**0**	**0**	**0**	**168**	**2**	**0**	**4**	**3**
Arizona	0	0	0	0	0	0	0	67
Colorado	0	0	0	0	85	0	19	20
Idaho	0	0	0	0	2	0	0	4
Montana	0	0	0	0	0	0	0	60
Nevada	0	0	0	168	168	0	0	15
New Mexico	0	0	0	0	0	0	0	28
Utah	0	0	0	0	0	0	0	3
Wyoming	0	0	0	0	0	0	0	4
Pacific Contiguous	**0**	**0**	**0**	**94**	**2**	**0**	**4**	**2**
California	0	0	0	94	5	0	4	2
Oregon	0	0	0	0	2	0	0	4
Washington	0	0	0	0	2	0	0	2
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**21**	**0**	**0**	**13**
Alaska	0	0	0	0	167	0	0	20
Hawaii	0	0	0	0	21	0	0	16
U.S. Total	**0**	**0**	**0**	**51**	**1**	**0**	**2**	**1**

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Table A.6.A. Relative Standard Error for Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, September 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**2**	**0**	**1**
Connecticut	1	1	5	0	1
Maine	1	1	2	0	1
Massachusetts	1	1	4	0	1
New Hampshire	1	1	5	0	1
Rhode Island	0	0	0	0	0
Vermont	4	4	9	0	3
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	3	0	0
New York	0	0	3	0	0
Pennsylvania	0	0	1	0	0
East North Central	**1**	**0**	**1**	**0**	**0**
Illinois	1	1	2	0	1
Indiana	1	2	2	0	1
Michigan	1	0	1	0	0
Ohio	1	1	2	0	1
Wisconsin	1	1	1	0	1
West North Central	**1**	**1**	**1**	**0**	**1**
Iowa	2	2	2	0	1
Kansas	2	1	3	0	1
Minnesota	2	1	2	0	1
Missouri	1	1	6	0	1
Nebraska	2	2	2	0	1
North Dakota	3	2	4	0	2
South Dakota	3	2	3	0	2
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	2	2	8	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	2	0	0
Georgia	2	1	2	0	1
Maryland	1	1	5	0	1
North Carolina	1	1	1	0	1
South Carolina	2	1	1	0	1
Virginia	1	0	2	0	1
West Virginia	0	1	0	0	0
East South Central	**1**	**1**	**2**	**0**	**1**
Alabama	2	1	1	0	1
Kentucky	2	2	3	0	1
Mississippi	2	2	2	0	1
Tennessee	1	2	5	0	1
West South Central	**1**	**0**	**1**	**1**	**0**
Arkansas	2	2	2	320	1
Louisiana	1	1	1	0	1
Oklahoma	2	1	2	0	1
Texas	1	0	1	0	0
Mountain	**1**	**0**	**1**	**0**	**0**
Arizona	1	1	2	0	0
Colorado	2	1	3	0	1
Idaho	2	1	1	0	1
Montana	3	2	2	0	1
Nevada	1	1	0	0	0
New Mexico	2	2	3	0	2
Utah	2	1	1	0	1
Wyoming	3	2	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	1	1	0	0
Oregon	2	1	2	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**1**
Alaska	4	2	4	0	2
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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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 September 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**0**	**0**
Connecticut	0	1	2	0	0
Maine	0	1	1	0	0
Massachusetts	0	1	2	0	1
New Hampshire	0	1	2	0	0
Rhode Island	0	0	0	0	0
Vermont	1	2	4	0	1
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	0	0	0
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	0	1	1	0	0
Indiana	0	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	1	1	0	0
Wisconsin	0	0	1	0	0
West North Central	**0**	**0**	**1**	**0**	**0**
Iowa	1	1	1	0	1
Kansas	1	1	2	0	1
Minnesota	1	1	1	0	0
Missouri	0	1	2	0	1
Nebraska	1	1	1	0	1
North Dakota	1	1	3	0	1
South Dakota	1	2	2	0	1
South Atlantic	**0**	**0**	**0**	**0**	**0**
Delaware	0	1	3	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	1	0	0
Georgia	0	1	1	0	0
Maryland	0	1	2	0	0
North Carolina	0	1	1	0	0
South Carolina	0	1	1	0	0
Virginia	0	0	1	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	0	1	1	0	0
Kentucky	0	1	1	0	1
Mississippi	1	1	1	0	1
Tennessee	0	1	2	0	1
West South Central	**0**	**0**	**0**	**1**	**0**
Arkansas	1	1	1	260	1
Louisiana	0	1	0	0	0
Oklahoma	0	1	1	0	0
Texas	0	0	1	0	0
Mountain	**0**	**0**	**0**	**0**	**0**
Arizona	0	0	1	0	0
Colorado	1	1	2	0	1
Idaho	0	1	1	0	0
Montana	1	1	2	0	1
Nevada	0	0	0	0	0
New Mexico	1	1	2	0	1
Utah	1	1	1	0	0
Wyoming	1	1	1	0	0
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	0	1	2	0	1
Washington	0	1	1	0	0
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	1	2	3	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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

Table A.7.A. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, September 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**2**	**0**	**0**
Connecticut	0	1	3	0	1
Maine	1	1	3	0	1
Massachusetts	1	1	3	0	1
New Hampshire	1	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	3	2	8	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	1	1	3	0	1
Indiana	1	1	2	0	1
Michigan	1	0	1	0	0
Ohio	1	1	3	0	1
Wisconsin	1	1	2	0	1
West North Central	**1**	**1**	**2**	**0**	**1**
Iowa	2	2	3	0	1
Kansas	2	1	4	0	1
Minnesota	2	1	2	0	1
Missouri	1	1	5	0	1
Nebraska	2	2	3	0	1
North Dakota	3	2	4	0	2
South Dakota	4	2	4	0	2
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	1	2	10	0	2
District of Columbia	0	0	0	0	0
Florida	1	0	3	0	1
Georgia	2	1	2	0	1
Maryland	1	1	3	0	1
North Carolina	2	1	2	0	1
South Carolina	2	1	2	0	1
Virginia	1	0	2	0	1
West Virginia	1	1	1	0	0
East South Central	**1**	**1**	**2**	**0**	**1**
Alabama	2	1	2	0	1
Kentucky	2	2	4	0	1
Mississippi	2	1	3	0	1
Tennessee	1	1	5	0	1
West South Central	**1**	**0**	**1**	**2**	**0**
Arkansas	2	1	3	405	1
Louisiana	1	1	1	0	1
Oklahoma	2	1	3	0	1
Texas	1	0	1	0	1
Mountain	**1**	**0**	**1**	**0**	**0**
Arizona	1	1	3	0	0
Colorado	2	1	4	0	1
Idaho	2	1	1	0	1
Montana	4	2	4	0	2
Nevada	1	1	1	0	0
New Mexico	3	2	7	0	2
Utah	2	1	2	0	1
Wyoming	4	2	2	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	2	0	0
Oregon	2	1	3	0	1
Washington	2	1	2	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**1**
Alaska	5	3	4	0	2
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

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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 September 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**7**	**0**
Connecticut	0	0	2	0	0
Maine	0	1	1	0	0
Massachusetts	0	1	2	25	1
New Hampshire	0	0	2	0	0
Rhode Island	0	0	0	0	0
Vermont	1	2	4	0	1
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	1	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	0	0	1	0	0
Indiana	1	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	0	1	0	0
Wisconsin	0	0	1	0	0
West North Central	**0**	**0**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	1	1	2	0	1
Minnesota	1	1	1	0	0
Missouri	1	1	3	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	1	1	3	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	1	5	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	2	0	0
Georgia	1	1	1	0	0
Maryland	0	0	2	0	0
North Carolina	0	1	1	0	0
South Carolina	1	1	1	0	0
Virginia	0	0	1	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	0
Kentucky	1	1	2	0	1
Mississippi	1	1	2	0	1
Tennessee	1	1	3	0	1
West South Central	**0**	**0**	**1**	**1**	**0**
Arkansas	1	1	2	277	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	2	0	1
Texas	0	0	1	0	0
Mountain	**0**	**0**	**1**	**0**	**0**
Arizona	0	0	2	0	0
Colorado	1	1	3	0	1
Idaho	1	1	1	0	0
Montana	1	1	3	0	1
Nevada	0	0	1	0	0
New Mexico	1	1	5	0	1
Utah	1	1	1	0	1
Wyoming	1	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	1	2	0	0
Washington	0	1	2	0	0
Pacific Noncontiguous	**1**	**1**	**0**	**0**	**0**
Alaska	2	2	2	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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

Table A.8.A. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, September 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**0**	**0**
Connecticut	0	1	4	0	1
Maine	0	1	1	0	0
Massachusetts	1	1	1	0	1
New Hampshire	0	0	1	0	0
Rhode Island	0	0	0	0	0
Vermont	2	2	2	0	1
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	0	0	1	0	0
Indiana	1	1	1	0	1
Michigan	0	0	1	0	0
Ohio	1	1	1	0	0
Wisconsin	1	0	1	0	0
West North Central	**0**	**0**	**1**	**0**	**0**
Iowa	1	1	1	0	1
Kansas	1	1	2	0	1
Minnesota	1	0	1	0	0
Missouri	1	1	1	0	1
Nebraska	1	1	1	0	1
North Dakota	1	1	2	0	1
South Dakota	2	1	2	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	1	3	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	2	0	0
Georgia	1	1	1	0	0
Maryland	1	1	2	0	0
North Carolina	1	0	1	0	0
South Carolina	1	1	1	0	1
Virginia	1	0	1	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**0**	**1**	**0**	**0**
Alabama	1	1	1	0	0
Kentucky	1	1	1	0	1
Mississippi	1	1	2	0	1
Tennessee	1	1	1	0	1
West South Central	**0**	**0**	**1**	**1**	**0**
Arkansas	1	1	1	254	1
Louisiana	1	1	0	0	0
Oklahoma	1	1	2	0	1
Texas	0	0	1	0	0
Mountain	**0**	**0**	**1**	**0**	**0**
Arizona	0	0	1	0	0
Colorado	1	0	2	0	0
Idaho	1	1	0	0	0
Montana	2	1	3	0	1
Nevada	0	0	0	0	0
New Mexico	1	1	4	0	1
Utah	1	1	1	0	0
Wyoming	2	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	0	1	0	1
Washington	1	0	1	0	0
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	3	2	2	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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

Table A.8.B. Relative Standard Error for Average Retail Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, Year-to-Date through September 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**1**	**7**	**0**
Connecticut	0	1	3	0	0
Maine	0	1	2	0	0
Massachusetts	0	1	2	25	1
New Hampshire	0	1	3	0	0
Rhode Island	0	0	0	0	0
Vermont	0	2	5	0	1
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	1	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	0	1	1	0	0
Indiana	0	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	1	1	0	0
Wisconsin	0	1	1	0	0
West North Central	**0**	**0**	**1**	**0**	**0**
Iowa	0	1	2	0	1
Kansas	0	1	3	0	1
Minnesota	0	1	1	0	0
Missouri	0	1	3	0	1
Nebraska	0	1	2	0	1
North Dakota	0	1	3	0	1
South Dakota	1	2	3	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	0	1	5	0	1
District of Columbia	0	0	0	0	0
Florida	0	1	2	0	0
Georgia	0	1	2	0	0
Maryland	0	1	2	0	0
North Carolina	0	1	1	0	0
South Carolina	0	1	1	0	0
Virginia	0	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**1**	**1**	**0**	**0**
Alabama	0	1	1	0	0
Kentucky	0	1	2	0	1
Mississippi	0	2	2	0	1
Tennessee	0	1	3	0	1
West South Central	**0**	**0**	**1**	**2**	**0**
Arkansas	0	2	2	336	1
Louisiana	0	1	1	0	0
Oklahoma	0	1	2	0	1
Texas	0	0	1	0	0
Mountain	**0**	**0**	**1**	**0**	**0**
Arizona	0	0	2	0	0
Colorado	0	1	3	0	1
Idaho	0	1	1	0	0
Montana	1	1	3	0	1
Nevada	0	1	1	0	0
New Mexico	0	1	5	0	1
Utah	0	1	1	0	0
Wyoming	1	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	0	1	2	0	1
Washington	0	1	2	0	0
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	2	2	3	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**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 B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2013

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2013	1	01/17/2013 6:07 PM	01/20/2013 7:30 PM	73 Hours, 23 Minutes	American Electric Power (AEP)	RFC	Southwest Virginia, Southern West Virginia	Severe Weather - Winter Storm	Unknown	127000
2013	1	01/17/2013 7:02 PM	01/19/2013 6:00 PM	46 Hours, 58 Minutes	Tennessee Valley Authority	SERC	Northeast Tennessee	Severe Weather - Winter Storm	Unknown	80000
2013	1	01/17/2013 8:35 PM	01/17/2013 9:20 PM	0 Hours, 45 Minutes	North Carolina Eastern M P A	SERC	Elizabeth City, North Carolina	Distribution Interruption	40	12000
2013	1	01/20/2013 3:30 AM	01/23/2013 6:15 AM	74 Hours, 45 Minutes	Detroit Edison Co	RFC	Southeastern Michigan	Severe Weather - Wind Storm	Unknown	146500
2013	1	01/31/2013 3:05 AM	01/31/2013 4:48 AM	1 Hours, 43 Minutes	Dominion Virginia Power	SERC	Central and Eastern Virginia	Severe Weather - Wind Storm	188	119000
2013	1	01/31/2013 6:30 AM	01/31/2013 10:00 AM	3 Hours, 30 Minutes	ISO New England	NPCC	Connecticut	Severe Weather - Wind Storm	75	75000
2013	2	02/08/2013 11:38 AM	02/08/2013 2:17 PM	2 Hours, 39 Minutes	Potomac Electric Power Company	RFC	District of Columbia; Prince George's County Maryland	Equipment Trip & Failure	140	52000
2013	2	02/08/2013 8:00 PM	02/11/2013 8:30 PM	72 Hours, 30 Minutes	ISO New England/National Grid	NPCC	Central and eastern Massachusetts; Rhode Island	Severe Weather - Winter Storm Nemo	N/A	50000
2013	2	02/08/2013 8:55 PM	02/12/2013 4:00 AM	79 Hours, 5 Minutes	ISO New England/NSTAR	NPCC	Boston area and Southeast Massachusetts	Severe Weather - Winter Storm Nemo	Unknown	50000
2013	2	02/10/2013 7:46 PM	02/10/2013 8:15 PM	0 Hours, 29 Minutes	Puerto Rico Electric Power Authority	N/A	Puerto Rico	Generator Trip; Voltage Reduction	350	Unknown
2013	2	02/13/2013 5:39 PM	02/15/2013 5:50 PM	48 Hours, 11 Minutes	Footprint Power Salem Harbor Operations LLC	NPCC	Eastern Massachusetts	Fuel Supply Emergency - Petroleum	1	1
2013	2	02/19/2013 4:01 PM	02/20/2013 12:55 PM	20 Hours, 54 Minutes	Pacific Gas & Electric Co.	WECC	Stockton, California	Electrical System Separation (Islanding)	13850	6810
2013	2	02/26/2013 1:00 PM	03/01/2013 10:00 AM	69 Hours, 0 Minutes	Associated Electric Coop, Inc	SERC	Northern Missouri	Severe Weather - Winter Storm Nemo	Unknown	56444
2013	3	03/03/2013 6:39 AM	03/03/2013 10:29 AM	3 Hours, 50 Minutes	Pacific Gas & Electric Co	WECC	Merced County, California	Transmission System Interruption	300	58850
2013	3	03/04/2013 9:49 AM	03/04/2013 10:00 PM	12 Hours, 11 Minutes	Puerto Rico Electric Power Authority	N/A	Metropolitan area Puerto Rico	Equipment Failure; Transmission System Interruption	Unknown	Unknown
2013	3	03/06/2013 8:22 AM	03/07/2013 10:27 AM	26 Hours, 5 Minutes	Dominion Virginia Power	SERC	Northwest Virginia	Severe Weather - Winter Storm	400	233000
2013	3	03/18/2013 5:21 AM	03/18/2013 5:41 AM	0 Hours, 20 Minutes	Puerto Rico Electric Power Authority	N/A	Systemwide Puerto Rico	Generator Trip; Load Shed	350	262937
2013	3	03/18/2013 7:30 PM	03/20/2013 2:30 PM	43 Hours, 0 Minutes	Southern Company	SERC	North/Central Alabama; Georgia	Severe Weather - Thunderstorms	800	240000
2013	4	04/18/2013 3:00 PM	04/21/2013 3:30 AM	60 Hours, 30 Minutes	Detroit Edison Co	RFC	Southeast Michigan, Michigan	Severe Weather - Storms and Wind	Unknown	99000
2013	4	04/23/2013 12:49 AM	04/23/2013 4:04 AM	3 Hours, 15 Minutes	Pacific Gas & Electric Co	WECC	South of Humboldt California	Electrical System Separation (Islanding)	80	1
2013	5	05/01/2013 9:22 AM	05/01/2013 9:24 AM	0 Hours, 2 Minutes	Xcel Energy/Public Service Company of Colorado	WECC	Northeast Colorado	Electrical System Separation (Islanding)	123	35230
2013	5	05/02/2013 6:52 AM	05/02/2013 10:07 AM	3 Hours, 15 Minutes	WECC	WECC	Unknown	Electrical System Separation (Islanding)	Unknown	Unknown
2013	5	05/09/2013 1:21 PM	05/09/2013 4:21 PM	3 Hours, 0 Minutes	WECC	WECC	Alberta, Canada; Washington State	Electrical System Separation (Islanding)	Unknown	Unknown
2013	5	05/13/2013 12:52 PM	ongoing	ongoing	California Department of Water Resources	WECC	Central California	Fuel Supply Emergency - Hydro	176	Unknown
2013	5	05/14/2013 12:01 AM	05/14/2013 1:59 PM	13 Hours, 58 Minutes	PacifiCorp	WECC	Portland, Oregon	Vandalism/Theft	N/A	N/A
2013	5	05/20/2013 3:00 PM	05/22/2013 5:00 PM	50 Hours, 0 Minutes	Oklahoma Gas & Electric Co	SPP	Moore, Oklahoma	Severe Weather - Tornados	Unknown	41306
2013	5	05/20/2013 5:22 PM	05/20/2013 9:09 PM	3 Hours, 47 Minutes	Entergy Transmission - SOC	SERC	Gonzales Area Louisiana	Generator Trip; Load Shed 100+ MW	103	21800
2013	5	05/22/2013 10:51 AM	05/22/2013 10:57 AM	0 Hours, 6 Minutes	Puerto Rico Electric Power Authority	N/A	System wide Puerto Rico	System Wide Voltage Reduction	280	197287
2013	5	05/29/2013 8:58 PM	05/31/2013 2:53 PM	41 Hours, 55 Minutes	Niagara Mohawk Power Corp.	NPCC	Central and Eastern New York	Severe Weather - Thunderstorms	Unknown	61795
2013	5	05/31/2013 1:00 AM	05/31/2013 1:30 AM	0 Hours, 30 Minutes	Southwest Power Pool, Inc.	SPP	Maumelle, Arkansas	Severe Weather - Lightning	N/A	N/A
2013	5	05/31/2013 6:00 PM	06/04/2013 10:30 AM	88 Hours, 30 Minutes	Oklahoma Gas & Electric Co	SPP	El Reno, S. Oklahoma City, Oklahoma	Severe Weather - Tornados	Unknown	127000
2013	5	05/31/2013 7:07 PM	06/01/2013 2:15 PM	19 Hours, 8 Minutes	Coffeyville Municipal Light and Power	MRO	Southeast Kansas, Northeast Oklahoma	Transmission System Interruption	102	6300
2013	5	05/31/2013 7:30 PM	06/01/2013 8:00 PM	24 Hours, 30 Minutes	Ameren Missouri	SERC	St. Louis Metro Area Missouri	Severe Weather - Thunderstorms	Unknown	100000
2013	6	06/03/2013 12:50 PM	06/03/2013 1:36 PM	0 Hours, 46 Minutes	WECC RC Vancouver	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2013	6	06/13/2013 1:17 PM	06/14/2013 5:35 PM	28 Hours, 18 Minutes	Duke Energy Carolinas	SERC	Western Piedmont North Carolina	Severe Weather - Thunderstorms	1000	175000
2013	6	06/13/2013 3:20 PM	06/14/2013 9:10 PM	29 Hours, 50 Minutes	American Electric Power	RFC; SERC	Ohio; Virginia; West Virginia	Severe Weather - Thunderstorms	Unknown	90247
2013	6	06/13/2013 3:30 PM	06/13/2013 4:00 PM	0 Hours, 30 Minutes	Potomac Electric Power Company	RFC	District of Columbia; Maryland	Loss of 300+ MW Load; Severe Weather - Thunderstorms	700	40000
2013	6	06/13/2013 4:08 PM	06/14/2013 5:16 PM	25 Hours, 8 Minutes	Dominion Virginia Power	SERC	Richmond Metro area, Virginia	Severe Weather - Thunderstorms	900	283000
2013	6	06/13/2013 5:45 PM	06/14/2013 6:30 PM	24 Hours, 45 Minutes	Duke Energy Progress	SERC	Central and Eastern North Carolina	Severe Weather - Thunderstorms	Unknown	53000
2013	6	06/13/2013 8:47 PM	06/14/2013 10:47 PM	26 Hours, 0 Minutes	Southern Company	SERC	Southern Company Territory	Severe Weather - Thunderstorms	550	165798
2013	6	06/17/2013 4:17 PM	06/17/2013 6:49 PM	2 Hours, 32 Minutes	Tampa Electric Co	FRCC	Hillsborough County Florida	Load Shed of 100+ MW Under Emergency Operational Policy	180	37
2013	6	06/18/2013 3:51 PM	06/18/2013 4:23 PM	0 Hours, 32 Minutes	Western Area Power Administration	WECC	Wyoming	Electrical System Separation (Islanding)	6	Unknown
2013	6	06/19/2013 7:57 PM	06/19/2013 8:09 PM	0 Hours, 12 Minutes	Western Electricity Coordinating Council	WECC	Alberta, Canada	Electrical System Separation (Islanding)	Unknown	Unknown
2013	6	06/21/2013 3:00 AM	06/26/2013 12:00 PM	129 Hours, 0 Minutes	Xcel Energy	MRO	Minnesota	Severe Weather - Hailstorm	Unknown	193000
2013	6	06/21/2013 5:39 PM	06/24/2013 6:00 AM	60 Hours, 21 Minutes	Xcel Energy	MRO	Minneapolis/St. Paul area Minnesota	Severe Weather - Hailstorm	Unknown	400000
2013	6	06/23/2013 9:20 PM	06/24/2013 1:35 AM	4 Hours, 15 Minutes	Pacific Gas & Electric Co	WECC	Central Coast California	Severe Weather - Fog	Unknown	148000
2013	6	06/24/2013 7:30 PM	06/25/2013 5:46 PM	22 Hours, 16 Minutes	Exelon Corporation/ComEd	RFC	Illinois	Severe Weather - Thunderstorms	Unknown	283451
2013	6	06/24/2013 7:30 PM	06/26/2013 5:00 PM	45 Hours, 30 Minutes	Northern Indiana Public Service Company	RFC	Indiana	Severe Weather - Thunderstorms	Unknown	86615
2013	6	06/27/2013 5:00 PM	06/28/2013 12:00 AM	7 Hours, 0 Minutes	Detroit Edison Co	RFC	South Eastern Michigan	Severe Weather - Thunderstorms	Unknown	138000
2013	6	06/28/2013 6:02 PM	06/28/2013 8:46 PM	2 Hours, 44 Minutes	Southern California Edison Co	WECC	Los Angeles and Orange Counties, California	Equipment Failure	240	65255
2013	7	07/02/2013 2:20 PM	07/05/2013 3:30 PM	73 Hours, 10 Minutes	Western Electricity Coordinating Council	WECC	Alberta, Canada	Load Shed 100+MW	200	Unknown
2013	7	07/03/2013 12:04 PM	07/03/2013 12:48 PM	0 Hours, 44 Minutes	Puerto Rico Electric Power Authority	N/A	System-wide Puerto Rico	Voltage Reduction; Line and Generator Trip	480	393000
2013	7	07/10/2013 5:30 PM	07/11/2013 8:00 PM	26 Hours, 30 Minutes	American Electric Power	RFC	AEP Ohio Power Footprint	Severe Weather - Thunderstorms	N/A	122314
2013	7	07/17/2013 3:30 PM	07/19/2013 6:45 AM	39 Hours, 15 Minutes	Long Island Power Authority	NPCC	Holtsville, New York	Fuel Supply Emergency (Natural Gas)	417	Unknown
2013	7	07/18/2013 11:30 AM	07/19/2013 5:30 PM	30 Hours, 0 Minutes	Niagara Mohawk Power Corp.	NPCC	Upstate New York	Public Appeal - Heatwave	Unknown	Unknown
2013	7	07/18/2013 11:45 PM	07/19/2013 10:05 AM	10 Hours, 20 Minutes	San Diego Gas & Electric Co	WECC	Southern Orange County California	Equipment Failure	200	123000
2013	7	07/19/2013 6:00 PM	07/20/2013 9:00 AM	15 Hours, 0 Minutes	Detroit Edison Co	RFC	Michigan	Severe Weather - Thunderstorms	Unknown	156627
2013	7	07/19/2013 10:30 PM	07/21/2013 8:00 PM	45 Hours, 30 Minutes	Niagara Mohawk Power Corporation (dba National Grid)	NPCC	New York	Severe Weather - Thunderstorms	Unknown	74300
2013	7	07/23/2013 11:38 PM	07/25/2013 4:30 AM	28 Hours, 52 Minutes	American Electric Power	SPP	Tulsa, Oklahoma	Severe Weather - Thunderstorms	500	92748
2013	8	08/01/2013 6:54 PM	08/01/2013 7:37 PM	0 Hours, 43 Minutes	WECC RC Vancouver	WECC	Western British Columbia	Electrical System Separation (Islanding	420	Unknown
2013	8	08/01/2013 11:19 PM	08/02/2013 12:49 AM	1 Hours, 30 Minutes	Florida Power & Light Co	FRCC	Daytona Beach Florida	Load Shed 200+ MW	297	104498
2013	8	08/05/2013 6:35 PM	08/05/2013 6:45 PM	0 Hours, 10 Minutes	WECC RC Vancouver	WECC	Alberta, Canada	Electrical System Separation (Islanding); Severe Weather	Unknown	Unknown
2013	8	08/07/2013 12:15 AM	08/07/2013 9:27 PM	21 Hours, 12 Minutes	We Energies	MRO	Eastern Central Wisconsin	Severe Weather - Thunderstorms	220	51160
2013	8	08/07/2013 7:30 AM	08/07/2013 9:14 AM	1 Hours, 44 Minutes	Wisconsin Public Service Corp	MRO	Wisconsin	Fuel Supply Emergency (Natural Gas & Fuel Oil)	Unknown	Unknown
2013	8	08/16/2013 4:58 PM	08/17/2013 11:58 PM	31 Hours, 0 Minutes	CenterPoint Energy	TRE	Houston Service Area Texas	Severe Weather - Thunderstorms	Unknown	219681

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2013

Year	Month	Event Date and Time	Restoration Date and Time	Duration	Utility/Power Pool	NERC Region	Area Affected	Type of Disturbance	Loss (megawatts)	Number of Customers Affected
2013	8	08/19/2013 7:06 PM	08/20/2013 6:02 AM	10 Hours, 56 Minutes	Southern California Edison Co	WECC	Central California	Severe Weather - Lightning Strike	685	124000
2013	8	08/29/2013 2:57 PM	08/29/2013 3:29 PM	0 Hours, 32 Minutes	Xcel Energy	MRO	Ashland, Wisconsin	Electrical System Separation (Islanding); Severe Weather	15	7000
2013	8	08/30/2013 7:30 PM	08/31/2013 1:30 AM	6 Hours, 0 Minutes	Exelon Corporation/ComEd	RFC	Entire ComEd territory Illinois	Severe Weather - Thunderstorms	Unknown	157000
2013	9	09/10/2013 5:42 PM	09/11/2013 12:02 AM	6 Hours, 20 Minutes	PJM Interconnection	RFC	Erie, Pennsylvania	Load Shed of 100+ MW	105	Unknown
2013	9	09/11/2013 4:00 PM	09/15/2013 4:00 PM	96 Hours, 0 Minutes	Detroit Edison Co	RFC	Southeastern Michigan	Severe Weather - Thunderstorms	400	75000

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

Table B.2 Major Disturbances and Unusual Occurrences, 2012

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

Table B.2 Major Disturbances and Unusual Occurrences, 2012

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

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

Appendix C

Technical notes

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

Data quality

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

Automatic, computerized verification of keyed input, review by subject matter specialists, and follow-up with nonrespondents assure quality statistics. To ensure the quality standards established by the EIA, formulas that use the past history of data values in the database have been designed and implemented to check data input for errors automatically. Data values that fall outside the ranges prescribed in the formulas are verified by telephoning respondents to resolve any discrepancies. All survey nonrespondents are identified and contacted.

Reliability of data

There are two types of errors possible in an estimate based on a sample survey: sampling and non-sampling. Sampling errors occur because observations are made only on a sample, not on the entire population. Non-sampling errors can be attributed to many sources in the collection and processing of data. The accuracy of survey results is determined by the joint effects of sampling and non-sampling errors. Monthly sample survey data have both sampling and non-sampling error. Annual survey data are collected by a census and are not subject to sampling error.

Non-sampling errors can be attributed to many sources: (1) inability to obtain complete information about all cases in the sample (i.e., nonresponse); (2) response errors; (3) definitional difficulties; (4) differences in the interpretation of questions; (5) mistakes in recording or coding the data obtained; and (6) other errors of collection, response, coverage, and estimation for missing data. Note that for the cutoff sampling and model-based regression (ratio) estimation that we use, data 'missing' due to nonresponse, and data 'missing' due to being out-of-sample are treated in the same manner. Therefore missing data may be considered to result in sampling error, and variance estimates reflect all missing data.

Although no direct measurement of the biases due to non-sampling errors can be obtained, precautionary steps were taken in all phases of the frame development and data collection, processing, and tabulation processes, in an effort to minimize their influence. See the Data Processing and Data System Editing section for each EIA form for an in-depth discussion of how the sampling and non-sampling errors are handled in each case.

Relative Standard Error: The relative standard error (RSE) statistic, usually given as a percentage, describes the magnitude of sampling error that might reasonably be incurred. The RSE is the square root of the estimated variance, divided by the variable of interest. The variable of interest may be the ratio of two variables, or a single variable.

The sampling error may be less than the non-sampling error. In fact, large RSE estimates found in preliminary work with these data have often indicated non-sampling errors, which were then identified and corrected. Non-sampling errors may be attributed to many sources, including the response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding data obtained, and other errors of collection, response, or coverage. These non-sampling errors also occur in complete censuses.

Using the Central Limit Theorem, which applies to sums and means such as are applicable here, there is 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:

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

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 estimates[1].

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
CP	Energy Storage, Concentrated Solar Power
FW	Energy Storage, Flywheel
PS	Energy Storage, Reversible Hydraulic Turbine (Pumped Storage)
ES	Energy Storage, Other
ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (including jet engine design)
IC	Internal Combustion Engine (diesel, piston, reciprocating)
CA	Combined Cycle Steam Part
CT	Combined Cycle Combustion Turbine Part
CS	Combined Cycle Single Shaft
CC	Combined Cycle Total Unit
HA	Hydrokinetic, Axial Flow Turbine
HB	Hydrokinetic, Wave Buoy
HK	Hydrokinetic, Other
HY	Hydroelectric Turbine (including turbines associated with delivery of water by pipeline)
BT	Turbines Used in a Binary Cycle (including those used for geothermal applications)
PV	Photovoltaic
WT	Wind Turbine, Onshore
WS	Wind Turbine, Offshore
FC	Fuel Cell
OT	Other

Energy Sources: The Form EIA-860 sometimes represents the energy sources associated with generators by using the abbreviations and/or groupings in the table below.

Energy Source Grouping	Energy Source Code	Energy Source Description
Coal	ANT	Anthracite Coal
	BIT	Bituminous Coal
	LIG	Lignite Coal
	SUB	Subbituminous Coal
	SGC	Coal-Derived Synthesis Gas
	WC	Waste/Other Coal (including anthracite culm, bituminous gob, fine coal, lignite waste, waste coal)
Petroleum Products	DFO	Distillate Fuel Oil (including diesel, No. 1, No. 2, and No. 4 fuel oils)
	JF	Jet Fuel
	KER	Kerosene
	PC	Petroleum Coke
	PG	Gaseous Propane
	RFO	Residual Fuel Oil (including No. 5, and No. 6 fuel oils, and bunker C fuel oil)
	SG	Synthesis Gas from Petroleum Coke
	WO	Waste/Other Oil (including crude oil, liquid butane, liquid propane, naphtha, oil waste, re-refined motor oil, sludge oil, tar oil, or other petroleum-based liquid wastes)
Natural Gas and Other Gases	BFG	Blast Furnace Gas
	NG	Natural Gas
	OG	Other Gas
Nuclear	NUC	Nuclear (including Uranium, Plutonium, and Thorium)
Hydroelectric Conventional	WAT (Prime Mover = HY)	Water at a Conventional Hydroelectric Turbine, and water used in Wave Buoy Hydrokinetic Technology, Current Hydrokinetic Technology, and Tidal Hydrokinetic Technology
Hydroelectric Pumped Storage	WAT (Prime Mover = PS)	Pumping Energy for Reversible (Pumped Storage) Hydroelectric Turbine
Wood and Wood-Derived Fuels	WDS	Wood/Wood Waste Solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids)
	WDL	Wood Waste Liquids (excluding Black Liquor but including red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids)
	BLQ	Black Liquor
Other Biomass	AB	Agricultural By-Products
	MSW	Municipal Solid Waste
	OBG	Other Biomass Gas (including digester gas, methane, and other biomass gases)
	OBL	Other Biomass Liquids
	OBS	Other Biomass Solids
	LFG	Landfill Gas
	SLW	Sludge Waste
Other Renewable Energy Sources	SUN	Solar (including solar thermal)
	WND	Wind
	GEO	Geothermal
Other Energy Sources	PUR	Purchased Steam
	WH	Waste heat not directly attributed to a fuel source
	TDF	Tire-Derived Fuels
	MWH	Electricity used for energy storage
	OTH	Other

Sensitive data: The tested heat rate data collected on the Form EIA-860 are considered business sensitive.

Form EIA-860M

The Form EIA 860M, "Monthly Update to the Annual Electric Generator Report," is a mandatory monthly survey that collects data on the status of proposed new generators or changes to existing generators for plants that report on Form EIA-860.

The Form EIA-860M has a rolling frame based upon planned changes to capacity as reported on the previous Form EIA-860. Respondents are added to the frame 12 months prior to the expected effective date for all new units or expected retirement date for existing units. For all other types of capacity changes (including retirements, uprates, derates, repowering, or other modifications), respondents are added 1 month prior to the anticipated modification change date. Respondents are removed from the frame at the completion of the changes or if the change date is moved back so that the plant no longer qualifies to be in the frame. Typically, 150 to 200 utilities per month are required to report for 175 to 250 plants (including 250 to 400 generating units) on this form. The unit characteristics of interest are changes to the previously reported planned operating month and year, prime mover type, capacity, and energy sources.

Instrument and design history: The data collected on Form EIA-860M was originally collected via phone calls at the end of each month. During 2005, the Form EIA-860M was introduced as a mandatory form using the Internet Data Collection (IDC) system.

The legislative authority to collect these data is defined in the Federal Energy Administration Act of 1974 (Public Law 93-275, Sec. 13(b), 5(a), 5(b), 52).

Data processing and data system editing: Approximately 150 to 200 utilities are requested to provide data each month on the Form EIA 860M. These data are collected via the IDC system and automatically checked for certain errors. Most of the quality assurance issues are addressed by the respondents as part of the automatic edit check process. In some cases, respondents are subsequently contacted about their explanatory overrides to the edit checks.

Sensitive data: Data collected on the Form EIA-860M are not considered to be sensitive.

Form EIA-861

The Form EIA 861, "Annual Electric Power Industry Report," is a mandatory census of electric power industry participants in the United States. The survey is used to collect information on power sales and revenue data from approximately 3,300 respondents. About 3,200 are electric utilities and the remainder are nontraditional utilities such as energy service providers or the unregulated subsidiaries of electric utilities and power marketers.

Instrument and design history: The Form EIA 861 was implemented in January 1985 for collection of data as of year end 1984. The Federal Energy Administration Act of 1974 (Public Law 93 275) defines the legislative authority to collect these data.

Data processing and data system editing: The Form EIA 861 is made available to the respondents in January of each year to collect data as of the end of the preceding calendar year. The data are edited when entered into the interactive on line system. Internal edit checks are 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 waste[2]: Municipal solid waste (MSW) consumption for generation of electric power is split into its biogenic and non-biogenic components beginning with 2001 data by the following methodology:

The tonnage of MSW consumed is reported on the Form EIA-923. The composition of MSW and categorization of the components were obtained from the Environmental Protection Agency publication, *Municipal Solid Waste in the United States: 2005 Facts and Figures*. The Btu contents of the components of MSW were obtained from various sources.

The potential quantities of combustible MSW discards (which include all MSW material available for combustion with energy recovery, discards to landfill, and other disposal) were multiplied by their respective Btu contents. The EPA-based categories of MSW were then classified into renewable and non-renewable groupings. From this, EIA calculated how much of the energy potentially consumed from MSW was attributed to biogenic components and how much to non-biogenic components (see Tables 1 and 2, below). [3]

These values are used to allocate net generation published in the Electric Power Monthly generation tables. The tons of biogenic and non-biogenic components were estimated with the assumption that glass and metals were removed prior to combustion. The average Btu/ton for the biogenic and non-

biogenic components is estimated by dividing the total Btu consumption by the total tons. Published net generation attributed to biogenic MSW and non-biogenic MSW is classified under Other Renewables and Other, respectively.

Table 1. Btu consumption for biogenic and non-biogenic municipal solid waste (percent)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Biogenic	57	56	55	55	56	57	55	54	51	50
Non-biogenic	43	44	45	45	44	43	46	46	49	50

Table 2. Tonnage consumption for biogenic and non-biogenic municipal solid waste (percent)

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Biogenic	77	77	76	76	75	67	65	65	64	64
Non-biogenic	23	23	24	24	25	34	35	35	36	36

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

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

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

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

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

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

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

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

Issues within historical data series:

Receipts and cost and quality of fossil fuels
Values for receipts of natural gas for 2001 forward do not include blast furnace gas or other gas.

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

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

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

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

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

NERC classification

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

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

The new NERC Regional Council names are as follows:

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

Business classification

Nonutility power producers consist of corporations, persons, agencies, authorities, or other legal entities that own or operate facilities for electric generation but are not electric utilities. This includes qualifying cogenerators, small power producer, and independent power producers. Furthermore, nonutility power producers do not have a designated franchised service area. In addition to entities whose primary

business is the production and sale of electric power, entities with other primary business classifications can and do sell electric power. These can consist of manufacturing, agricultural, forestry, transportation, finance, service and administrative industries, based on the Office of Management and Budget's Standard Industrial Classification (SIC) Manual. In 1997, the SIC Manual name was changed to North American Industry Classification System (NAICS). The following is a list of the main classifications and the category of primary business activity within each classification.

Agriculture, Forestry, and Fishing

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

Mining

211 Oil and gas extraction
2121 Coal mining
2122 Metal mining
2123 Mining and quarrying of nonmetallic minerals except fuels

Construction

23

Manufacturing

311 Food and kindred products
3122 Tobacco products
314 Textile and mill products
315 Apparel and other finished products made from fabrics and similar materials
316 Leather and leather products
321 Lumber and wood products, except furniture
322 Paper and allied products (other than 322122 or 32213)
322122 Paper mills, except building paper
32213 Paperboard mills
323 Printing and publishing
324 Petroleum refining and related industries (other than 32411)
32411 Petroleum refining
325 Chemicals and allied products (other than 325188, 325211, 32512, or 325311)
32512 Industrial organic chemicals
325188 Industrial Inorganic Chemicals
325211 Plastics materials and resins
325311 Nitrogenous fertilizers
326 Rubber and miscellaneous plastic products
327 Stone, clay, glass, and concrete products (other than 32731)

32731 Cement, hydraulic
331 Primary metal industries (other than 331111 or 331312)
331111 Blast furnaces and steel mills
331312 Primary aluminum
332 Fabricated metal products, except machinery and transportation equipment
333 Industrial and commercial equipment and components except computer equipment
3345 Measuring, analyzing, and controlling instruments, photographic, medical, and optical goods, watches and clocks
335 Electronic and other electrical equipment and components except computer equipment
336 Transportation equipment
337 Furniture and fixtures
339 Miscellaneous manufacturing industries

Transportation and Public Utilities

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

Wholesale Trade

421 to 422

Retail Trade

441 to 454

Finance, Insurance, and Real Estate

521 to 533

Services

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

Public Administration

92

[1] The basic technique employed is described in the paper "Model-Based Sampling and Inference," on the EIA website. Additional references can be found on the InterStat website (http://interstat.statjournals.net/). See the following sources: Knaub, J.R., Jr. (1999a), "Using Prediction-Oriented Software for Survey Estimation," InterStat, August 1999, http://interstat.statjournals.net/; Knaub, J.R. Jr. (1999b), "Model-Based Sampling, Inference and Imputation," EIA web site: http://www.eia.gov/cneaf/electricity/forms/eiawebme.pdf; Knaub, J.R., Jr. (2005), "Classical Ratio Estimator," InterStat, October 2005, http://interstat.statjournals.net/; Knaub, J.R., Jr. (2007a), "Cutoff Sampling and Inference," InterStat, April 2007, http://interstat.statjournals.net/; Knaub, J.R., Jr. (2008), "Cutoff Sampling." Definition in Encyclopedia of Survey Research Methods, Editor: Paul J. Lavrakas, Sage, to appear; Knaub, J.R., Jr. (2000), "Using Prediction-Oriented Software for Survey Estimation - Part II: Ratios of Totals," InterStat, June 2000, http://interstat.statjournals.net/; Knaub, J.R., Jr. (2001), "Using Prediction-Oriented Software for Survey Estimation - Part III: Full-Scale Study of Variance and Bias," InterStat, June 2001, http://interstat.statjournals.net/.

[2] See the following sources: Bahillo, A. et al. Journal of Energy Resources Technology, "NOx and N2O Emissions During Fluidized Bed Combustion of Leather Wastes." Volume 128, Issue 2, June 2006. pp. 99-103; U.S. Energy Information Administration. *Renewable Energy Annual 2004*. "Average Heat Content of Selected Biomass Fuels." Washington, DC, 2005; Penn State Agricultural College Agricultural and Biological Engineering and Council for Solid Waste Solutions. Garth, J. and Kowal, P. Resource Recovery, Turning Waste into Energy, University Park, PA, 1993; Utah State University Recycling Center Frequently Asked Questions. Published at http://www.usu.edu/recycle/faq.htm. Accessed December 2006.

[3] Biogenic components include newsprint, paper, containers and packaging, leather, textiles, yard trimmings, food wastes, and wood. Non-biogenic components include plastics, rubber and other miscellaneous non-biogenic waste.

Table C.1 Average Heat Content of Fossil-Fuel Receipts, September 2013

Census Division and State	Coal (Million Btu per Ton)	Petroleum Liquids (Million Btu per Barrel)	Petroleum Coke (Million Btu per Ton)	Natural Gas (Million Btu per Thousand Cubic Feet)
New England	23.86	6.16	--	1.03
Connecticut	--	5.84	--	1.03
Maine	25.20	6.40	--	1.03
Massachusetts	21.60	5.93	--	1.04
New Hampshire	25.85	5.66	--	1.03
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	24.52	6.19	--	1.04
New Jersey	25.33	5.79	--	1.04
New York	21.56	6.32	--	1.05
Pennsylvania	24.63	5.81	--	1.04
East North Central	20.03	5.79	27.81	1.02
Illinois	17.65	5.76	--	1.02
Indiana	22.28	5.76	--	1.02
Michigan	19.07	5.85	27.45	1.02
Ohio	23.88	5.79	--	1.04
Wisconsin	18.26	5.81	28.50	1.02
West North Central	16.77	5.81	--	1.03
Iowa	17.26	5.79	--	1.03
Kansas	17.23	5.80	--	1.03
Minnesota	17.74	5.79	--	1.03
Missouri	17.66	5.76	--	1.02
Nebraska	17.14	5.79	--	1.03
North Dakota	12.89	5.81	--	--
South Dakota	16.83	6.00	--	1.03
South Atlantic	23.25	5.82	28.42	1.02
Delaware	25.97	5.67	--	1.06
District of Columbia	--	--	--	--
Florida	23.32	5.78	28.51	1.01
Georgia	19.60	5.92	27.52	1.02
Maryland	24.71	5.79	--	1.05
North Carolina	24.78	5.83	--	1.02
South Carolina	25.34	5.83	--	1.02
Virginia	22.71	5.84	--	1.04
West Virginia	24.42	5.78	--	1.04
East South Central	21.19	5.80	28.44	1.02
Alabama	20.31	5.70	--	1.02
Kentucky	22.64	5.84	28.44	1.03
Mississippi	15.73	5.90	--	1.02
Tennessee	21.16	5.76	--	1.01
West South Central	15.91	5.85	28.91	1.02
Arkansas	17.45	5.80	--	1.02
Louisiana	16.55	5.88	28.94	1.03
Oklahoma	17.28	--	--	1.04
Texas	15.37	5.79	28.69	1.02
Mountain	18.95	5.72	--	1.03
Arizona	20.05	5.50	--	1.02
Colorado	18.98	--	--	1.06
Idaho	--	--	--	1.01
Montana	17.12	5.92	--	--
Nevada	19.53	5.81	--	1.04
New Mexico	17.74	5.66	--	1.03
Utah	21.43	5.86	--	1.04
Wyoming	17.82	5.82	--	1.05
Pacific Contiguous	17.51	6.00	--	1.03
California	23.12	--	--	1.03
Oregon	16.79	--	--	1.03
Washington	17.11	6.00	--	1.04
Pacific Noncontiguous	20.52	6.14	--	1.01
Alaska	--	--	--	1.01
Hawaii	20.52	6.14	--	--
U.S. Total	19.35	6.08	28.61	1.03

'Coal' includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.
'Petroleum Liquids' include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
'Petroleum Coke' includes petroleum coke and synthesis gas derived from petroleum coke.
'Natural Gas' includes a small amount of supplemental gaseous fuels.
Notes: See Glossary for definitions. Values are preliminary. Data represents weighted values.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

Table C.2. Comparison of Preliminary Monthly Data Versus Final Monthly Data at the U.S. Level, 2009 through 2011

	Mean Absolute Value of Percent Change Total (All Sectors)		
Item	**2009**	**2010**	**2011**
Net Generation			
Coal	0.49%	0.20%	0.15%
Petroleum Liquids	1.45%	1.88%	2.67%
Petroleum Coke	1.48%	1.75%	14.41%
Natural Gas	0.45%	0.76%	0.41%
Other Gases	1.48%	1.55%	2.95%
Hydroelectric	0.90%	0.97%	2.03%
Nuclear	0.01%	0.00%	0.00%
Other	2.64%	0.78%	1.03%
Total	**0.11%**	**0.17%**	**0.16%**
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.36%	0.11%	0.23%
Petroleum Liquids	1.80%	1.49%	2.90%
Petroleum Coke	1.27%	1.50%	9.93%
Natural Gas	0.47%	0.70%	0.28%
Fuel Stocks for Electric Power Sector			
Coal	0.10%	0.18%	0.46%
Petroleum Liquids	1.55%	0.67%	0.55%
Petroleum Coke	0.46%	3.76%	2.64%
Retail Sales			
Residential	0.12%	0.32%	0.15%
Commercial	1.20%	0.14%	0.66%
Industrial	4.03%	0.90%	1.61%
Transportation	1.63%	2.18%	0.88%
Total	**0.60%**	**0.17%**	**0.64%**
Revenue			
Residential	0.22%	0.70%	0.73%
Commercial	1.59%	0.61%	0.24%
Industrial	3.59%	0.66%	0.58%
Transportation	3.48%	4.24%	0.29%
Total	**0.14%**	**0.45%**	**0.31%**
Average Retail Price			
Residential	0.34%	0.43%	0.66%
Commercial	0.41%	0.67%	0.79%
Industrial	0.57%	0.41%	1.02%
Transportation	4.60%	3.87%	1.08%
Total	**0.70%**	**0.56%**	**0.90%**
Receipt of Fossil Fuels			
Coal	0.88%	0.58%	1.15%
Petroleum Liquids	7.66%	4.09%	5.25%
Petroleum Coke	6.07%	3.77%	16.19%
Natural Gas	0.80%	0.81%	0.52%
Cost of Fossil Fuels			
Coal	0.19%	0.18%	0.31%
Petroleum Liquids	3.37%	0.24%	1.55%
Petroleum Coke	1.24%	2.37%	8.98%
Natural Gas	0.96%	0.20%	0.50%

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.
Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
Fuel Stocks are end-of-month values.
See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
Cost of Fossil Fuels represent weighted values.
Notes: Mean absolute value of percent change is the unweighted average of the absolute percent cahnges.
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, 2009 through 2011

	2009			2010			2011		
Item	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change	Preliminary Annual Data	Final Annual Data	Percent Change
Net Generation (Thousand MWh)									
Coal	1,764,486	1,755,904	-0.49%	1,850,750	1,847,290	-0.19%	1,734,265	1,733,430	-0.05%
Petroleum Liquids	25,792	25,972	0.70%	23,397	23,337	-0.26%	15,840	16,086	1.56%
Petroleum Coke	13,035	12,964	-0.54%	13,528	13,724	1.45%	12,322	14,096	14.39%
Natural Gas	920,378	920,979	0.07%	981,815	987,697	0.60%	1,016,595	1,013,689	-0.29%
Other Gases	10,698	10,632	-0.61%	11,193	11,313	1.07%	11,269	11,566	2.64%
Hydroelectric	267,784	268,818	0.39%	252,961	254,702	0.69%	319,162	312,934	-1.95%
Nuclear	798,745	798,855	0.01%	806,968	806,968	0.00%	790,225	790,204	0.00%
Other	152,193	156,207	2.64%	179,416	180,028	0.34%	206,057	208,135	1.01%
Total	**3,953,111**	**3,950,331**	**-0.07%**	**4,120,028**	**4,125,060**	**0.12%**	**4,105,734**	**4,100,141**	**-0.14%**
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	938,059	934,683	-0.36%	979,555	979,684	0.01%	932,911	934,938	0.22%
Petroleum Liquids (1,000 barrels)	43,672	43,562	-0.25%	40,041	40,103	0.15%	26,728	27,326	2.24%
Petroleum Coke (1,000 tons)	4,855	4,821	-0.70%	4,956	4,994	0.76%	4,561	5,012	9.89%
Natural Gas (1,000 Mcf)	7,104,600	7,121,069	0.23%	7,633,469	7,680,185	0.61%	7,880,481	7,883,865	0.04%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	189,971	189,467	-0.27%	175,160	174,917	-0.14%	175,100	172,387	-1.55%
Petroleum Liquids (1,000 barrels)	38,699	39,210	1.32%	36,126	35,706	-1.16%	35,260	34,847	-1.17%
Petroleum Coke (1,000 tons)	1,395	1,394	-0.08%	1,087	1,019	-6.31%	470	508	8.17%
Retail Sales (Million kWh)									
Residential	1,362,869	1,364,474	0.12%	1,450,758	1,445,708	-0.35%	1,423,700	1,422,801	-0.06%
Commercial	1,322,989	1,307,168	-1.20%	1,329,322	1,330,199	0.07%	1,319,288	1,328,057	0.66%
Industrial	881,903	917,442	4.03%	962,165	970,873	0.91%	975,569	991,316	1.61%
Transportation	7,689	7,781	1.20%	7,740	7,712	-0.35%	7,606	7,672	0.87%
Total	**3,575,450**	**3,596,865**	**0.60%**	**3,749,985**	**3,754,493**	**0.12%**	**3,726,163**	**3,749,846**	**0.64%**
Revenue (Million Dollars)									
Residential	157,351	157,008	-0.22%	167,957	166,782	-0.70%	167,930	166,714	-0.72%
Commercial	135,084	132,940	-1.59%	136,361	135,559	-0.59%	136,138	135,926	-0.16%
Industrial	60,341	62,504	3.58%	65,311	65,750	0.67%	67,212	67,606	0.59%
Transportation	859	828	-3.58%	848	815	-3.94%	805	803	-0.25%
Total	**353,635**	**353,280**	**-0.10%**	**370,477**	**368,906**	**-0.42%**	**372,084**	**371,049**	**-0.28%**
Average Retail Price (Cents/kWh)									
Residential	11.55	11.51	-0.34%	11.58	11.54	-0.35%	11.80	11.72	-0.66%
Commercial	10.21	10.17	-0.40%	10.26	10.19	-0.65%	10.32	10.23	-0.81%
Industrial	6.84	6.81	-0.43%	6.79	6.77	-0.23%	6.89	6.82	-1.01%
Transportation	11.17	10.65	-4.72%	10.96	10.57	-3.61%	10.58	10.46	-1.11%
Total	**9.89**	**9.82**	**-0.70%**	**9.88**	**9.83**	**-0.54%**	**9.99**	**9.90**	**-0.91%**
Receipt of Fossil Fuels									
Coal (1,000 tons)	972,973	981,477	0.87%	976,052	979,918	0.40%	945,581	956,538	1.16%
Petroleum Liquids (1,000 barrels)	50,184	54,181	7.97%	46,156	45,472	-1.48%	34,342	36,158	5.29%
Petroleum Coke (1,000 tons)	6,570	6,954	5.85%	5,868	5,963	1.61%	5,163	5,980	15.82%
Natural Gas (1,000 Mcf)	8,096,135	8,118,550	0.28%	8,605,619	8,673,070	0.78%	9,025,066	9,056,164	0.34%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	2.21	2.21	-0.06%	2.27	2.27	0.10%	2.40	2.39	-0.25%
Petroleum Liquids (1,000 barrels)	9.95	10.26	3.10%	14.03	14.02	-0.06%	20.10	19.94	-0.76%
Petroleum Coke (1,000 tons)	1.62	1.61	-0.35%	2.23	2.28	2.36%	2.80	3.03	8.27%
Natural Gas (1,000 Mcf)	4.70	4.74	0.89%	5.08	5.09	0.20%	4.71	4.72	0.41%

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 2011 are Final.
Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report'; Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report;' Form EIA-920 'Combined Heat and Power Plant Report'; and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

Table C.4. Unit of Measure Equivalents for Electricity

Unit	Equivalent
Kilowatt (kW)	1,000 (One Thousand) Watts
Megawatt (MW)	1,000,000 (One Million) Watts
Gigawatt (GW)	1,000,000,000 (One Billion) Watts
Terawatt (TW)	1,000,000,000,000 (One Trillion) Watts
Gigawatt	1,000,000 (One Million) Kilowatts
Thousand Gigawatts	1,000,000,000 (One Billion) Kilowatts
Kilowatthours (kWh)	1,000 (One Thousand) Watthours
Megawatthours (MWh)	1,000,000 (One Million) Watthours
Gigawatthours (GWh)	1,000,000,000 (One Billion) Watthours
Terawatthours (TWh)	1,000,000,000,000 (One Trillion) Watthours
Gigawatthours	1,000,000 (One Million) Kilowatthours
Thousand Gigawatthours	1,000,000,000(One Billion Kilowatthours

Source: U.S. Energy Information Administration

Glossary

Anthracite: The highest rank of coal; used primarily for residential and commercial space heating. It is a hard, brittle, and black lustrous coal, often referred to as hard coal, containing a high percentage of fixed carbon and a low percentage of volatile matter. The moisture content of fresh-mined anthracite generally is less than 15 percent. The heat content of anthracite ranges from 22 to 28 million Btu per ton on a moist, mineral-matter-free basis. The heat content of anthracite coal consumed in the United States averages 25 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter). Note: Since the 1980's, anthracite refuse or mine waste has been used for steam electric power generation. This fuel typically has a heat content of 15 million Btu per ton or less.

Ash: Impurities consisting of silica, iron, aluminum, and other noncombustible matter that are contained in coal. Ash increases the weight of coal, adds to the cost of handling, and can affect its burning characteristics. Ash content is measured as a percent by weight of coal on a "received" or a "dry" (moisture-free, usually part of a laboratory analysis) basis.

Ash content: The amount of ash contained in the fuel (except gas) in terms of percent by weight.

Average Retail Price of Electricity (formerly known as Average Revenue per Kilowatthour): The average revenue per kilowatthour of electricity sold by sector (residential, commercial, industrial, or other) and geographic area (State, Census division, and national), is calculated by dividing the total monthly revenue by the corresponding total monthly sales for each sector and geographic area.

Barrel: A unit of volume equal to 42 U.S. gallons.

Biomass: Organic non-fossil material of biological origin constituting a renewable energy resource.

Bituminous coal: A dense coal, usually black, sometimes dark brown, often with well-defined bands of bright and dull material, used primarily as fuel in steam-electric power generation, with substantial quantities also used for heat and power applications in manufacturing and to make coke. Bituminous coal is the most abundant coal in active U.S. mining regions. Its moisture content usually is less than 20 percent. The heat content of bituminous coal ranges from 21 to 30 million Btu per ton on a moist, mineral-matter-free basis. The heat content of bituminous coal consumed in the United States averages 24 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

British thermal unit: The quantity of heat required to raise the temperature of 1 pound of liquid water by 1 degree Fahrenheit at the temperature at which water has its greatest density (approximately 39 degrees Fahrenheit).

Btu: The abbreviation for British thermal unit(s).

Capacity: See Generator Capacity and Generator Name Plate Capacity (Installed).

Census Divisions: Any of nine geographic areas of the United States as defined by the U.S. Department of Commerce, Bureau of the Census. The divisions, each consisting of several States, are defined as follows:

1) *New England:* Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont;
2) *Middle Atlantic:* New Jersey, New York, and Pennsylvania;
3) *East North Central:* Illinois, Indiana, Michigan, Ohio, and Wisconsin;
4) *West North Central:* Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota;
5) *South Atlantic:* Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia;
6) *East South Central:* Alabama, Kentucky, Mississippi, and Tennessee;
7) *West South Central:* Arkansas, Louisiana, Oklahoma, and Texas;
8) *Mountain:* Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming;
9) *Pacific:* Alaska, California, Hawaii, Oregon, and Washington.

Note: Each division is a sub-area within a broader Census Region. In some cases, the Pacific division is subdivided into the Pacific Contiguous area (California, Oregon, and Washington) and the Pacific Noncontiguous area (Alaska and Hawaii).

Coal: A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

Coal synfuel: Coal-based solid fuel that has been processed by a coal synfuel plant; and coal-based fuels such as briquettes, pellets, or extrusions, which are formed from fresh or recycled coal and binding materials.

Coke (petroleum): A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

Combined cycle: An electric generating technology in which electricity is produced from otherwise lost waste heat exiting from one or more gas (combustion) turbine-generators. The exiting heat from the combustion turbine(s) is routed to a conventional boiler or to a heat recovery steam generator for utilization by a steam turbine in the production of additional electricity.

Combined heat and power (CHP): Includes plants designed to produce both heat and electricity from a single heat source. *Note:* This term is being used in place of the term "cogenerator" that was used by EIA in the past. CHP better describes the facilities because some of the plants included do not produce heat and power in a sequential fashion and, as a result, do not meet the legal definition of cogeneration specified in the Public Utility Regulatory Policies Act (PURPA).

Commercial sector: An energy-consuming sector that consists of service-providing facilities and equipment of: businesses; Federal, State, and local governments; and other private and public organizations, such as religious, social, or fraternal groups. The commercial sector includes institutional living quarters. It also includes sewage treatment facilities. Common uses of energy associated with this sector include space heating, water heating, air conditioning, lighting, refrigeration, cooking, and running a wide variety of other equipment. *Note:* This sector includes generators that produce electricity and/or useful thermal output primarily to support the activities of the above-mentioned commercial establishments.

Consumption (fuel): The use of energy as a source of heat or power or as a raw material input to a manufacturing process.

Cost: The amount paid to acquire resources, such as plant and equipment, fuel, or labor services.

Demand (electric): The rate at which electric energy is delivered to or by a system, part of a system, or piece of equipment, at a given instant or averaged over any designated period of time.

Diesel: A distillate fuel oil that is used in diesel engines such as those used for transportation and for electric power generation.

Distillate fuel oil: *A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.*

1) *No. 1 Distillate:* A light petroleum distillate that can be used as either a diesel fuel (see No. 1 Diesel Fuel) or a fuel oil. See No. 1 Fuel Oil.

- *No. 1 Diesel fuel:* A light distillate fuel oil that has distillation temperatures of 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines, such as those in city buses and similar vehicles. See No. 1 Distillate above.
- *No. 1 Fuel oil:* A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See No. 1 Distillate above.

2) *No. 2 Distillate:* A petroleum distillate that can be used as either a diesel fuel (see No. 2 Diesel Fuel definition below) or a fuel oil. See No. 2 Fuel oil below.

- *No. 2 Diesel fuel:* A fuel that has distillation temperatures of 500 degrees Fahrenheit at the 10-percent recovery point and 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See No. 2 Distillate above.

3) *No. 4 Fuel:* A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms with ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

- *No. 4 Diesel fuel and No. 4 Fuel oil:* See No. 4 Fuel above.

Electric industry restructuring: The process of replacing a monopolistic system of electric utility suppliers with competing sellers, allowing individual retail customers to choose their supplier but still receive delivery over the power lines of the local utility. It includes the reconfiguration of vertically integrated electric utilities.

Electric plant (physical): A facility containing prime movers, electric generators, and auxiliary equipment for converting mechanical, chemical, and/or fission energy into electric energy.

Electric power sector: An energy-consuming sector that consists of electricity-only and combined-heat-and-power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public-- i. e., North American Industry Classification System 22 plants.

Electric utility: A corporation, person, agency, authority, or other legal entity or instrumentality aligned with distribution facilities for delivery of electric energy for use primarily by the public. Included are investor-owned electric utilities, municipal and State utilities, Federal electric utilities, and rural electric cooperatives. A few entities that are tariff based and corporately aligned with companies that own distribution facilities are also included. Note: Due to the issuance of FERC Order 888 that required traditional electric utilities to functionally unbundle their generation, transmission, and distribution operations, "electric utility" currently has inconsistent interpretations from State to State.

Electricity: A form of energy characterized by the presence and motion of elementary charged particles generated by friction, induction, or chemical change.

Electricity generation: The process of producing electric energy or the amount of electric energy produced by transforming other forms of energy, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

Electricity generators: The facilities that produce only electricity, commonly expressed in kilowatthours (kWh) or megawatthours (MWh).

Energy: The capacity for doing work as measured by the capability of doing work (potential energy) or the conversion of this capability to motion (kinetic energy). Energy has several forms, some of which are easily convertible and can be changed to another form useful for work. Most of the world's convertible energy comes from fossil fuels that are burned to produce heat that is then used as a transfer medium to mechanical or other means in order to accomplish tasks. Electrical energy is usually measured in kilowatthours, while heat energy is usually measured in British thermal units.

Energy conservation features: This includes building shell conservation features, HVAC conservation features, lighting conservation features, any conservation features, and other conservation features incorporated by the building. However, this category does not include any demand-side management (DSM) program participation by the building. Any DSM program participation is included in the DSM Programs.

Energy efficiency: Refers to programs that are aimed at reducing the energy used by specific end-use devices and systems, typically without affecting the services provided. These programs reduce overall electricity consumption (reported in megawatthours), often without explicit consideration for the timing of program-induced savings. Such savings are generally achieved by substituting technically more advanced equipment to produce the same level of end-use services (e.g. lighting, heating, motor drive) with less electricity. Examples include high-efficiency appliances, efficient lighting programs, high-efficiency heating, ventilating and air conditioning (HVAC) systems or control modifications, efficient building design, advanced electric motor drives, and heat recovery systems.

Energy service provider: An energy entity that provides service to a retail or end-use customer.

Energy source: Any substance or natural phenomenon that can be consumed or transformed to supply heat or power. Examples include petroleum, coal, natural gas, nuclear, biomass, electricity, wind, sunlight, geothermal, water movement, and hydrogen in fuel cells.

Energy-only service: Retail sales services for which the company provided only the energy consumed, where another entity provides delivery services.

Fossil fuel: An energy source formed in the 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 above-mentioned industrial activities.

Interdepartmental service (electric): Interdepartmental service includes amounts charged by the electric department at tariff or other specified rates for electricity supplied by it to other utility departments.

Internal combustion plant: A plant in which the prime mover is an internal combustion engine. An internal combustion engine has one or more cylinders in which the process of combustion takes place, converting energy released from the rapid burning of a fuel-air mixture into mechanical energy. Diesel or gas-fired engines are the principal types used in electric plants. The plant is usually operated during periods of high demand for electricity.

Investor-owned utility (IOU): A privately-owned electric utility whose stock is publicly traded. It is rate regulated and authorized to achieve an allowed rate of return.

Jet fuel: A refined petroleum product used in jet aircraft engines. It includes kerosene-type jet fuel and naphtha-type jet fuel.

Kerosene: A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil.

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

Light oil: Lighter fuel oils distilled off during the refining process. Virtually all petroleum used in internal combustion and gas-turbine engines is light oil.

Lignite: The lowest rank of coal, often referred to as brown coal, used almost exclusively as fuel for steam-electric power generation. It is brownish-black and has a high inherent moisture content, sometimes as high as 45 percent. The heat content of lignite ranges from 9 to 17 million Btu per ton on a moist, mineral-matter-free basis. The heat content of lignite consumed in the United States averages 13 million Btu per ton, on the as-received basis (i.e., containing both inherent moisture and mineral matter).

Manufactured gas: A gas obtained by destructive distillation of coal, or by thermal decomposition of oil, or by the reaction of steam passing through a bed of heated coal or coke. Examples are coal gases, coke oven gases, producer gas, blast furnace gas, blue (water) gas, and carbureted water gas

Mcf: One thousand cubic feet.

Megawatt (MW): One million watts of electricity.

Megawatthour (MWh): One million watthours.

Municipal utility: A nonprofit utility, owned by a local municipality and operated as a department thereof, governed by a city council or an independently elected or appointed board; primarily involved in the distribution and/or sale of retail electric power.

Natural gas: A gaseous mixture of hydrocarbon compounds, the primary one being methane. Note: The Energy Information Administration measures wet natural gas and its two sources of production, associated/dissolved natural gas and nonassociated natural gas, and dry natural gas, which is produced from wet natural gas.

1) *Wet natural gas:* A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in porous rock formations at reservoir conditions. The principal hydrocarbons normally contained in the mixture are methane, ethane, propane, butane, and pentane. Typical nonhydrocarbon gases that may be present in reservoir natural gas are water vapor, carbon dioxide, hydrogen sulfide, nitrogen and trace amounts of helium. Under reservoir conditions, natural gas and its associated liquefiable portions occur either in a single gaseous phase in the reservoir or in solution with crude oil and are not distinguishable at the time as separate substances. Note: The Securities and Exchange Commission and the Financial Accounting Standards Board refer to this product as natural gas.

- Associated-dissolved natural gas: Natural gas that occurs in crude oil reservoirs either as free gas (associated) or as gas in solution with crude oil (dissolved gas).
- Nonassociated natural gas: Natural gas that is not in contact with significant quantities of crude oil in the reservoir.

2) *Dry natural gas:* Natural gas which remains after: 1) the liquefiable hydrocarbon portion has been removed from the gas stream (i.e., gas after lease, field, and/or plant separation); and 2) any volumes of nonhydrocarbon gases have been removed where they occur in sufficient quantity to render the gas unmarketable. Note: Dry natural gas is also known as consumer-grade natural gas. The parameters for measurement are cubic feet at 60 degrees Fahrenheit and 14.73 pounds per square inch absolute.

Net generation: The amount of gross generation less the electrical energy consumed at the generating station(s) for station service or auxiliaries. Note: Electricity required for pumping at pumped-storage plants is regarded as electricity for station service and is deducted from gross generation.

Net summer capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, as demonstrated by a multi-hour test, at the time of summer peak demand (period of May 1 through October 31). This output reflects a reduction in capacity due to electricity use for station service or auxiliaries.

Net winter capacity: The maximum output, commonly expressed in megawatts (MW), that generating equipment can supply to system load, as demonstrated by a multi-hour test, at the time of peak winter demand (period of November 1 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.