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

Preface

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

Background

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

Data sources

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

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

Net Generation and Consumption of Fuels for May											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
Net Generation (Thousand Megawatthours)											
Coal	119,943	116,345	3.1%	90,188	87,977	28,603	27,235	67	70	1,085	1,063
Petroleum Liquids	1,034	1,081	-4.4%	755	814	231	227	6	6	42	34
Petroleum Coke	1,322	647	104.5%	1,035	380	110	120	0	0	177	146
Natural Gas	83,491	107,927	-22.6%	35,194	45,922	40,696	54,289	449	480	7,152	7,235
Other Gas	973	969	0.4%	NM	NM	242	225	0	NM	728	742
Nuclear	62,848	62,081	1.2%	32,977	31,384	29,871	30,697	0	0	0	0
Hydroelectric Conventional	28,553	28,542	0.0%	25,894	26,152	2,334	2,204	NM	NM	319	182
Other Renewables	23,261	19,216	21.1%	2,766	2,622	17,994	14,086	242	234	2,260	2,273
Wood and Wood-Derived Fuels	3,013	2,997	0.5%	152	155	680	647	NM	NM	2,179	2,193
Other Biomass	1,718	1,713	0.3%	127	127	1,311	1,300	204	210	76	77
Geothermal	1,396	1,422	-1.8%	67	97	1,330	1,325	0	0	0	0
Solar Thermal and Photovoltaic	764	511	49.7%	87	64	646	428	29	16	NM	NM
Wind	16,370	12,573	30.2%	2,333	2,179	14,027	10,386	7	NM	NM	NM
Hydroelectric Pumped Storage	-326	-343	-5.1%	-252	-264	-74	-80	0	0	0	0
Other Energy Sources	1,018	1,066	-4.6%	39	32	608	617	87	87	283	330
All Energy Sources	322,118	337,530	-4.6%	188,600	195,022	120,615	129,622	857	880	12,047	12,006
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	64,814	62,978	2.9%	48,404	46,967	16,004	15,602	27	24	379	385
Petroleum Liquids (1000 barrels)	1,753	1,912	-8.4%	1,379	1,468	312	384	9	NM	53	52
Petroleum Coke (1000 tons)	464	245	89.4%	361	150	42	46	0	0	62	49
Natural Gas (1000 Mcf)	641,849	843,724	-23.9%	283,756	379,144	304,947	409,826	3,779	3,992	49,367	50,761
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	1,562	1,701	-8.2%	0	0	283	299	93	97	1,185	1,304
Petroleum Liquids (1000 barrels)	238	223	7.1%	0	0	88	85	9	NM	142	129
Petroleum Coke (1000 tons)	68	110	-38.4%	0	0	8	11	0	0	59	99
Natural Gas (1000 Mcf)	73,586	73,640	-0.1%	0	0	25,934	28,295	3,283	3,338	44,369	42,007
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	66,376	64,678	2.6%	48,404	46,967	16,287	15,902	120	121	1,564	1,689
Petroleum Liquids (1000 barrels)	1,991	2,135	-6.7%	1,379	1,468	400	468	18	NM	194	181
Petroleum Coke (1000 tons)	532	355	49.9%	361	150	50	57	0	0	121	148
Natural Gas (1000 Mcf)	715,436	917,363	-22.0%	283,756	379,144	330,881	438,121	7,062	7,330	93,737	92,768
Fuel Stocks (end-of-month)											
Coal (1000 tons)	180,633	204,872	-11.8%	145,957	163,185	32,020	38,999	412	420	2,244	2,269
Petroleum Liquids (1000 barrels)	34,108	36,413	-6.3%	23,384	24,982	7,873	8,869	257	277	2,593	2,285
Petroleum Coke (1000 tons)	905	1,049	-13.7%	348	W	96	W	W	W	W	W

Sales, Revenue, and Average Retail Price for May									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	May 2013	May 2012	Percentage Change	May 2013	May 2012	Percentage Change	May 2013	May 2012	Percentage Change
Residential	94,537	100,478	-5.9%	11,718	11,999	-2.3%	12.40	11.94	3.9%
Commercial	108,685	110,062	-1.3%	11,095	11,018	0.7%	10.21	10.01	2.0%
Industrial	82,068	84,273	-2.6%	5,477	5,523	-0.8%	6.67	6.55	1.8%
Transportation	621	606	2.4%	65	59	9.6%	10.45	9.76	7.1%
All Sectors	285,911	295,420	-3.2%	28,355	28,599	-0.9%	9.92	9.68	2.5%

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 May											
	Total (All Sectors)			Electric Power Sector				Commercial		Industrial	
				Electric Utilities		Independent Power Producers					
Fuel	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
Net Generation (Thousand Megawatthours)											
Coal	625,652	561,378	11.4%	468,008	427,078	152,022	128,548	362	365	5,260	5,386
Petroleum Liquids	5,690	5,118	11.2%	3,913	3,956	1,530	906	41	26	207	229
Petroleum Coke	5,063	4,105	23.3%	3,612	2,430	705	823	2	2	743	851
Natural Gas	414,331	478,507	-13.4%	172,972	194,076	203,001	247,252	2,320	2,450	36,038	34,729
Other Gas	4,463	4,944	-9.7%	21	NM	1,023	1,166	NM	NM	3,419	3,771
Nuclear	315,452	315,909	-0.1%	161,286	161,255	154,166	154,654	0	0	0	0
Hydroelectric Conventional	119,507	124,168	-3.8%	107,559	112,796	10,344	10,495	NM	NM	1,583	859
Other Renewables	110,570	95,808	15.4%	14,055	12,497	83,986	70,855	1,156	1,097	11,372	11,360
Wood and Wood-Derived Fuels	15,132	15,093	0.3%	793	716	3,342	3,389	10	10	10,986	10,978
Other Biomass	7,958	8,210	-3.1%	565	589	6,012	6,240	1,016	1,015	365	366
Geothermal	6,959	6,924	0.5%	422	470	6,537	6,454	0	0	0	0
Solar Thermal and Photovoltaic	2,796	1,330	110.3%	298	203	2,395	1,079	98	43	NM	NM
Wind	77,725	64,252	21.0%	11,977	10,519	65,701	53,694	32	28	15	12
Hydroelectric Pumped Storage	-1,665	-1,410	18.1%	-1,406	-1,162	-258	-248	0	0	0	0
Other Energy Sources	4,932	5,052	-2.4%	173	160	2,800	2,981	434	405	1,525	1,507
All Energy Sources	1,603,995	1,593,580	0.7%	930,193	913,092	609,318	617,431	4,336	4,364	60,147	58,692
Consumption of Fossil Fuels for Electricity Generation											
Coal (1000 tons)	338,562	306,065	10.6%	251,226	229,718	85,370	74,232	139	128	1,827	1,987
Petroleum Liquids (1000 barrels)	9,575	8,698	10.1%	6,956	6,969	2,302	1,400	59	40	258	289
Petroleum Coke (1000 tons)	1,840	1,501	22.6%	1,287	903	304	317	1	0	248	280
Natural Gas (1000 Mcf)	3,116,140	3,636,372	-14.3%	1,361,588	1,557,289	1,482,922	1,818,761	19,665	20,485	251,965	239,837
Consumption of Fossil Fuels for Useful Thermal Output											
Coal (1000 tons)	8,224	8,561	-3.9%	0	0	1,363	1,444	534	546	6,327	6,571
Petroleum Liquids (1000 barrels)	1,168	1,144	2.1%	0	0	391	362	60	41	717	741
Petroleum Coke (1000 tons)	513	541	-5.0%	0	0	47	52	5	4	462	485
Natural Gas (1000 Mcf)	371,564	371,527	0.0%	0	0	131,336	133,823	17,457	18,982	222,771	218,722
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output											
Coal (1000 tons)	346,786	314,626	10.2%	251,226	229,718	86,733	75,676	673	674	8,154	8,558
Petroleum Liquids (1000 barrels)	10,743	9,842	9.2%	6,956	6,969	2,693	1,762	119	81	975	1,030
Petroleum Coke (1000 tons)	2,354	2,041	15.3%	1,287	903	351	368	5	4	710	765
Natural Gas (1000 Mcf)	3,487,704	4,007,900	-13.0%	1,361,588	1,557,289	1,614,258	1,952,585	37,122	39,468	474,736	458,559

Sales, Revenue, and Average Retail Price for January through May									
	Total U.S. Electric Power Industry								
	Retail Sales (million kWh)			Retail Revenue (million dollars)			Average Retail Price (cents/kWh)		
Sector	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	Percentage Change
Residential	545,814	522,089	4.5%	64,204	60,944	5.3%	11.76	11.67	0.8%
Commercial	522,207	517,632	0.9%	52,199	51,267	1.8%	10.00	9.90	1.0%
Industrial	390,393	402,509	-3.0%	25,626	26,068	-1.7%	6.56	6.48	1.2%
Transportation	3,187	3,141	1.4%	328	307	7.0%	10.30	9.77	5.4%
All Sectors	1,461,601	1,445,371	1.1%	142,358	138,587	2.7%	9.74	9.59	1.6%

YTD = Year to Date
NM = Not meaningful due to large relative standard error.
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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	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
Coal (1000 tons)	66,427	64,833	46.33	47.54	337	544	320,930	340,534	45.80	47.08
Petroleum Liquids (1000 barrels)	1,406	2,029	125.68	134.57	179	1,283	8,286	10,153	126.55	133.48
Petroleum Coke (1000 tons)	403	333	66.15	76.63	10	28	1,758	1,942	71.05	74.59
Natural Gas (1000 Mcf)	645,542	940,516	4.75	2.97	734	1,866	3,118,138	4,118,383	4.58	3.16

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
Coal (1000 tons)	48,260	46,411	47.32	48.87	237	291	236,041	243,914	46.90	47.92
Petroleum Liquids (1000 barrels)	974	1,279	127.40	137.95	118	853	5,465	6,855	128.23	136.40
Petroleum Coke (1000 tons)	301	133	65.22	58.69	5	6	1,273	888	60.78	59.16
Natural Gas (1000 Mcf)	277,902	385,135	4.96	3.31	373	826	1,330,598	1,579,701	4.68	3.53

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
Coal (1000 tons)	17,388	16,715	42.45	41.99	78	118	81,277	87,774	41.52	43.05
Petroleum Liquids (1000 barrels)	401	393	122.55	135.75	51	215	2,635	1,797	124.01	136.27
Petroleum Coke (1000 tons)	57	68	W	W	2	7	267	450	W	W
Natural Gas (1000 Mcf)	307,084	438,865	4.60	2.78	319	581	1,492,000	1,954,751	4.63	2.95

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
Coal (1000 tons)	17	NM	W	NM	2	22	82	635	W	58.44
Petroleum Liquids (1000 barrels)	0	NM	--	134.28	0	89	0	181	--	130.26
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	5	--	W
Natural Gas (1000 Mcf)	464	NM	W	NM	2	129	1,930	NM	W	3.81

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
Coal (1000 tons)	761	1,593	W	66.12	20	113	3,531	8,212	W	64.27
Petroleum Liquids (1000 barrels)	32	302	112.37	118.75	10	126	186	1,319	112.24	114.95
Petroleum Coke (1000 tons)	45	131	W	W	3	15	218	599	W	W
Natural Gas (1000 Mcf)	60,091	108,849	W	2.48	40	330	293,611	542,360	W	2.80

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	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
Coal	1,298,233	1,264,178	2.37	2.44	337	544	6,238,019	6,618,278	2.36	2.42
Petroleum Liquids	8,534	12,000	20.71	22.76	179	1,283	50,398	60,494	20.80	22.40
Petroleum Coke	11,519	9,505	2.32	2.68	10	28	50,071	55,578	2.49	2.61
Natural Gas	662,769	960,458	4.62	2.90	734	1,866	3,196,409	4,209,309	4.47	3.09
Fossil Fuels	1,981,055	2,246,101	3.16	2.75	944	2,916	9,534,887	10,943,487	3.12	2.79

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
Coal	949,191	918,103	2.41	2.47	237	291	4,629,879	4,789,236	2.39	2.44
Petroleum Liquids	5,936	7,559	20.89	23.34	118	853	33,364	40,948	21.00	22.84
Petroleum Coke	8,610	3,840	2.28	2.03	5	6	36,456	25,594	2.12	2.05
Natural Gas	284,671	392,902	4.84	3.25	373	826	1,359,606	1,610,613	4.58	3.46
Fossil Fuels	1,248,408	1,322,389	3.04	2.82	519	1,519	6,059,293	6,466,297	2.98	2.82

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
Coal	331,410	309,477	2.23	2.27	78	118	1,526,457	1,641,144	2.21	2.30
Petroleum Liquids	2,398	2,294	20.47	23.23	51	215	15,886	10,555	20.54	23.20
Petroleum Coke	1,628	1,978	W	W	2	7	7,477	12,892	W	W
Natural Gas	315,860	449,118	4.47	2.71	319	581	1,532,428	2,000,715	4.51	2.88
Fossil Fuels	651,296	762,842	W	W	379	796	3,082,247	3,665,228	W	W

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
Coal	383	NM	W	NM	2	22	1,897	13,194	W	2.81
Petroleum Liquids	0	NM	--	22.65	0	89	0	1,075	--	21.96
Petroleum Coke	0	0	--	--	0	0	0	129	--	W
Natural Gas	467	NM	W	NM	2	129	1,946	NM	W	3.74
Fossil Fuels	850	NM	W	NM	2	182	3,843	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	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
Coal	17,249	34,191	W	3.08	20	113	79,787	174,704	W	3.02
Petroleum Liquids	200	1,818	18.00	19.73	10	126	1,149	7,916	18.18	19.16
Petroleum Coke	1,281	3,687	W	W	3	15	6,139	16,963	W	W
Natural Gas	61,770	110,619	W	2.44	40	330	302,429	555,530	W	2.73
Fossil Fuels	80,500	150,314	W	W	44	419	389,503	755,113	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	IPP	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	IPP	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	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	34	City of Abbeville - (SC)	Electric Utility	Rocky River	SC	3305	IC2	1.0	DFO	IC
2013	5	12944	City of Morganton - (NC)	IPP	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

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	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	56635	GenOn Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	1	197.0	NG	GT
2013	5	56635	GenOn Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	2	197.0	NG	GT
2013	5	56635	GenOn Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	3	197.0	NG	GT
2013	5	56635	GenOn Marsh Landing LLC	IPP	Marsh Landing Generating Station	CA	57267	4	197.0	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	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	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	56440	G2 Energy LLC	IPP	G2 Energy Hay Rd	CA	58320	362	1.5	LFG	IC
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	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

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	6,816.1
Total Capacity of Retired Units Shown	5,257.2
U.S. Capacity	1,066,296.9

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	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)	IPP	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	12631	GenOn Delta LLC	IPP	Contra Costa	CA	228	6	335.0	NG	ST
2013	5	12631	GenOn Delta LLC	IPP	Contra Costa	CA	228	7	337.0	NG	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	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	54842	WM Renewable Energy LLC	IPP	Ridgeview	WI	55925	GEN9	0.8	LFG	IC

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)

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
			Total Capacity of New Units Shown						6,816.1		
			Total Capacity of Retired Units Shown						5,257.2		
			U.S. Capacity						1,066,296.9		

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2003-May 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	-5,905	14,154	4,100,656
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	-426	1,071	363,105
February	138,311	1,217	1,217	65,924	807	64,789	24,131	16,116	-247	1,027	313,293
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	302,400
May	137,102	1,356	1,023	75,243	875	57,013	32,587	17,638	-418	1,210	323,627
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	-663	1,230	406,541
Sept	140,941	1,119	1,305	91,739	1,004	66,849	21,378	13,048	-553	1,132	337,961
October	126,627	1,114	948	78,819	941	63,337	19,787	16,550	-572	1,176	308,727
November	121,463	1,082	701	75,441	943	64,474	20,681	18,589	-441	1,187	304,119
December	132,929	1,178	1,007	86,122	1,005	71,837	23,732	17,185	-496	1,254	335,753
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
Year to Date											
2011	705,549	7,210	6,176	351,397	4,475	314,754	144,578	83,271	-1,906	5,631	1,621,135
2012	561,378	5,118	4,105	478,507	4,944	315,909	124,168	95,808	-1,410	5,052	1,593,580
2013	625,652	5,690	5,063	414,331	4,463	315,452	119,507	110,570	-1,665	4,932	1,603,995
Rolling 12 Months Ending in May											
2012	1,589,259	13,994	12,025	1,140,799	12,035	791,360	298,945	206,519	-5,410	13,575	4,073,101
2013	1,581,477	13,781	10,649	1,166,532	10,732	768,874	271,874	233,549	-4,912	12,345	4,064,900

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-May 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
Year to Date						
2011	53,741	602	14,900	6,456	7,572	83,271
2012	64,252	1,330	15,093	6,924	8,210	95,808
2013	77,725	2,796	15,132	6,959	7,958	110,570
Rolling 12-Month Ending in May						
2012	130,688	2,545	37,642	15,784	19,860	206,519
2013	153,563	5,809	37,579	16,826	19,772	233,549

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-May 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	-5,298	604	2,461,045
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	-500	46	220,951
February	103,607	888	818	25,456	1	34,119	22,187	1,905	-304	49	188,727
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	-404	50	183,567
May	104,296	1,062	655	31,372	7	28,502	29,436	1,975	-367	55	196,993
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	-569	55	242,570
Sept	105,127	819	945	37,391	2	34,639	19,289	1,383	-470	48	199,174
October	94,046	837	618	33,218	1	33,558	17,509	2,041	-488	46	181,388
November	90,103	822	399	30,532	4	34,107	18,732	2,168	-381	45	176,532
December	99,641	879	667	34,186	3	38,952	21,300	2,079	-437	49	197,318
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
Year to Date											
2011	530,417	5,320	4,077	142,109	11	163,528	131,906	9,620	-1,851	249	985,386
2012	427,078	3,956	2,430	194,076	NM	161,255	112,796	12,497	-1,162	160	913,092
2013	468,008	3,913	3,612	172,972	21	161,286	107,559	14,055	-1,406	173	930,193
Rolling 12 Months Ending in May											
2012	1,197,768	10,325	7,781	466,811	NM	413,026	272,303	24,810	-4,609	514	2,388,751
2013	1,188,791	9,947	6,863	486,696	NM	394,853	248,067	29,388	-4,156	410	2,360,887

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 1.3. Net Generation by Energy Source: Independent Power Producers, 2003-May 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	-607	7,059	1,487,657
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	74	530	129,282
February	33,475	252	298	33,924	206	30,670	1,782	11,904	58	503	113,071
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
Year to Date											
2011	168,731	1,532	1,557	174,996	1,176	151,226	11,788	61,626	-55	2,796	575,374
2012	128,548	906	823	247,252	1,166	154,654	10,495	70,855	-248	2,981	617,431
2013	152,022	1,530	705	203,001	1,023	154,166	10,344	83,986	-258	2,800	609,318
Rolling 12 Months Ending in May											
2012	376,600	3,029	2,697	583,703	2,901	378,334	24,824	151,182	-800	7,245	1,529,714
2013	378,344	3,252	1,705	586,021	2,564	374,020	21,189	173,440	-757	7,025	1,546,803

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-May 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
Year to Date											
2011	472	45	2	1,988	1	0	12	985	0	362	3,868
2012	365	26	2	2,450	NM	0	NM	1,097	0	405	4,364
2013	362	41	2	2,320	NM	0	NM	1,156	0	434	4,336
Rolling 12 Months Ending in May											
2012	943	NM	3	5,949	NM	0	NM	2,587	0	992	10,576
2013	834	NM	6	5,740	NM	0	NM	2,805	0	1,064	10,593

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 1.5. Net Generation by Energy Source: Industrial Sector, 2003-May 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
Year to Date											
2011	5,929	313	540	32,304	3,286	0	872	11,038	0	2,224	56,507
2012	5,386	229	851	34,729	3,771	0	859	11,360	0	1,507	58,692
2013	5,260	207	743	36,038	3,419	0	1,583	11,372	0	1,525	60,147
Rolling 12 Months Ending in May											
2012	13,948	573	1,544	84,337	9,108	0	1,786	27,940	0	4,824	144,060
2013	13,508	484	2,075	88,075	8,138	0	2,574	27,916	0	3,846	146,616

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	8,884	9,505	-6.5%	229	186	8,191	8,802	74	83	389	433
Connecticut	2,568	2,799	-8.3%	NM	NM	2,525	2,747	NM	18	NM	25
Maine	1,030	927	11.1%	NM	NM	703	527	NM	17	311	382
Massachusetts	2,501	2,710	-7.7%	55	47	2,354	2,599	37	43	55	21
New Hampshire	1,392	1,724	-19.3%	81	72	1,306	1,648	NM	NM	NM	NM
Rhode Island	739	766	-3.6%	1	1	735	761	NM	NM	0	0
Vermont	654	579	13.1%	84	57	568	520	NM	NM	NM	NM
Middle Atlantic	33,721	34,113	-1.2%	2,859	3,119	30,370	30,494	144	142	347	358
New Jersey	4,714	5,570	-15.4%	-11	3	4,625	5,466	41	47	59	55
New York	10,996	10,992	0.0%	2,780	2,974	8,063	7,878	77	68	76	73
Pennsylvania	18,011	17,551	2.6%	90	143	17,683	17,150	26	27	212	231
East North Central	47,987	49,455	-3.0%	24,795	23,715	22,281	24,722	139	146	772	872
Illinois	15,923	15,864	0.4%	1,002	1,134	14,687	14,472	24	27	210	231
Indiana	8,570	8,907	-3.8%	7,484	7,773	840	825	19	14	226	295
Michigan	7,693	9,644	-20.2%	6,021	6,913	1,514	2,569	67	74	91	88
Ohio	10,878	10,097	7.7%	6,860	5,102	3,931	4,900	NM	NM	73	78
Wisconsin	4,922	4,944	-0.4%	3,428	2,794	1,309	1,956	NM	NM	172	179
West North Central	25,201	25,693	-1.9%	21,163	22,075	3,639	3,237	49	48	350	333
Iowa	4,628	4,488	3.1%	3,313	3,244	1,113	1,057	18	16	184	172
Kansas	3,923	3,799	3.3%	3,132	3,458	788	339	0	0	3	NM
Minnesota	3,690	3,806	-3.0%	2,753	2,861	809	810	NM	NM	116	119
Missouri	6,850	7,292	-6.1%	6,590	6,912	238	362	17	14	NM	NM
Nebraska	2,678	2,528	5.9%	2,511	2,412	137	90	NM	NM	29	25
North Dakota	2,748	2,775	-1.0%	2,361	2,394	374	369	NM	NM	NM	NM
South Dakota	684	1,006	-32.0%	504	796	180	210	NM	NM	0	0
South Atlantic	59,373	64,890	-8.5%	48,671	51,915	9,059	11,427	79	64	1,563	1,484
Delaware	629	832	-24.4%	NM	NM	534	781	NM	NM	93	47
District of Columbia	NM	NM	NM	0	NM	0	6	NM	0	0	0
Florida	18,858	19,840	-5.0%	17,046	17,490	1,367	1,888	NM	NM	438	455
Georgia	9,774	11,453	-14.7%	8,647	9,441	712	1,604	NM	2	412	406
Maryland	2,540	3,751	-32.3%	NM	NM	2,507	3,668	NM	21	14	62
North Carolina	9,141	9,642	-5.2%	7,861	8,969	1,087	544	NM	NM	187	128
South Carolina	8,011	8,262	-3.0%	7,809	7,896	NM	221	NM	NM	142	145
Virginia	5,535	5,350	3.5%	4,546	4,202	770	966	39	33	179	149
West Virginia	4,882	5,747	-15.1%	2,760	3,907	2,022	1,749	0	0	100	92
East South Central	29,169	31,331	-6.9%	25,979	25,348	2,282	5,185	NM	NM	896	784
Alabama	11,970	12,286	-2.6%	9,695	7,988	1,959	3,915	0	0	317	383
Kentucky	6,640	7,364	-9.8%	6,528	7,268	75	51	0	0	37	44
Mississippi	3,922	4,542	-13.6%	3,437	3,173	238	1,215	NM	NM	245	152
Tennessee	6,636	7,139	-7.0%	6,319	6,919	NM	4	NM	NM	297	205
West South Central	55,230	59,759	-7.6%	19,149	22,038	30,036	31,680	52	54	5,992	5,987
Arkansas	4,345	5,850	-25.7%	3,077	4,030	1,111	1,660	NM	NM	156	159
Louisiana	7,828	9,209	-15.0%	3,923	4,577	1,909	2,239	NM	NM	1,992	2,389
Oklahoma	6,203	7,190	-13.7%	4,372	5,001	1,759	2,123	NM	NM	68	63
Texas	36,854	37,511	-1.8%	7,777	8,430	25,257	25,658	45	47	3,775	3,376
Mountain	30,158	28,747	4.9%	24,537	23,406	5,324	5,065	24	NM	272	250
Arizona	8,785	9,062	-3.1%	8,025	8,064	756	968	NM	NM	0	NM
Colorado	4,260	4,190	1.7%	3,249	3,188	1,003	993	4	NM	NM	NM
Idaho	1,562	1,547	1.0%	1,114	1,204	403	298	0	0	45	46
Montana	2,574	1,882	36.7%	983	922	1,590	960	0	0	NM	NM
Nevada	2,846	2,879	-1.2%	2,174	1,972	648	878	NM	NM	15	NM
New Mexico	2,914	2,910	0.1%	2,358	2,344	546	554	NM	NM	NM	NM
Utah	3,494	2,884	21.1%	3,224	2,642	160	180	0	NM	110	61
Wyoming	3,723	3,392	9.8%	3,410	3,069	219	235	0	0	94	88
Pacific Contiguous	31,059	32,636	-4.8%	20,312	22,246	9,070	8,669	246	249	1,431	1,473
California	16,165	16,262	-0.6%	6,865	7,168	7,766	7,503	240	242	1,294	1,349
Oregon	4,807	5,105	-5.8%	3,914	4,366	852	711	NM	NM	37	23
Washington	10,088	11,269	-10.5%	9,534	10,712	452	454	NM	NM	100	100
Pacific Noncontiguous	1,337	1,400	-4.6%	904	973	362	341	37	53	33	33
Alaska	504	568	-11.2%	463	523	25	16	10	22	NM	NM
Hawaii	832	832	0.0%	441	451	336	325	27	31	NM	25
U.S. Total	322,118	337,530	-4.6%	188,600	195,022	120,615	129,622	857	880	12,047	12,006

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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 1.6.B. Net Generation

by State, by Sector, Year-to-Date through May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	45,622	48,209	-5.4%	1,956	1,426	41,074	44,161	399	405	2,193	2,216
Connecticut	14,245	14,115	0.9%	NM	NM	14,024	13,879	80	87	103	107
Maine	5,772	6,124	-5.7%	NM	0	3,944	4,044	82	82	1,746	1,998
Massachusetts	12,660	13,245	-4.4%	269	215	11,865	12,733	206	209	320	87
New Hampshire	7,995	8,523	-6.2%	1,257	875	6,717	7,630	NM	NM	NM	NM
Rhode Island	2,247	3,322	-32.4%	4	5	2,223	3,296	NM	NM	0	0
Vermont	2,703	2,880	-6.1%	389	290	2,302	2,579	NM	NM	NM	NM
Middle Atlantic	176,047	170,523	3.2%	13,885	15,359	159,660	152,607	759	695	1,743	1,861
New Jersey	25,186	25,758	-2.2%	-48	-16	24,764	25,268	206	230	264	276
New York	54,625	53,995	1.2%	13,320	14,762	40,481	38,481	430	339	394	413
Pennsylvania	96,236	90,770	6.0%	613	614	94,414	88,858	123	126	1,085	1,172
East North Central	250,227	246,161	1.7%	128,486	119,151	117,024	122,003	737	811	3,980	4,196
Illinois	82,593	79,452	4.0%	4,859	5,093	76,462	73,038	190	198	1,082	1,123
Indiana	44,164	45,599	-3.1%	38,173	38,934	4,703	5,257	87	84	1,202	1,324
Michigan	41,306	44,430	-7.0%	32,120	31,774	8,371	11,782	339	382	475	492
Ohio	55,366	52,282	5.9%	35,157	28,650	19,762	23,161	75	76	372	396
Wisconsin	26,798	24,397	9.8%	18,177	14,700	7,727	8,765	46	71	848	861
West North Central	133,571	127,397	4.8%	114,490	110,227	17,141	15,263	238	256	1,703	1,651
Iowa	23,675	22,858	3.6%	17,274	16,597	5,475	5,384	93	81	833	797
Kansas	18,549	15,114	22.7%	14,904	13,587	3,633	1,518	0	0	11	NM
Minnesota	21,169	20,486	3.3%	16,908	16,081	3,562	3,684	82	98	616	623
Missouri	36,956	35,420	4.3%	35,728	34,159	1,149	1,174	56	69	23	17
Nebraska	14,554	13,709	6.2%	13,730	13,098	668	469	NM	NM	149	134
North Dakota	14,694	15,161	-3.1%	12,911	13,111	1,713	1,979	NM	NM	70	71
South Dakota	3,974	4,649	-14.5%	3,034	3,594	939	1,055	NM	NM	0	0
South Atlantic	292,576	289,944	0.9%	239,805	235,001	44,680	47,191	393	332	7,698	7,420
Delaware	2,816	3,377	-16.6%	NM	NM	2,424	3,112	NM	NM	382	253
District of Columbia	NM	NM	NM	0	NM	0	9	NM	0	0	0
Florida	83,458	86,752	-3.8%	75,944	77,408	5,297	7,136	NM	33	2,184	2,175
Georgia	45,686	47,517	-3.9%	40,028	39,054	3,664	6,482	NM	11	1,981	1,970
Maryland	13,135	13,519	-2.8%	4	4	12,902	13,114	92	104	138	297
North Carolina	47,825	45,746	4.5%	41,883	42,489	4,836	2,567	44	17	1,062	672
South Carolina	39,850	38,527	3.4%	38,854	36,841	269	848	NM	NM	726	837
Virginia	29,991	27,141	10.5%	24,756	21,258	4,300	5,018	180	163	755	703
West Virginia	29,787	27,323	9.0%	18,328	17,904	10,988	8,905	0	0	470	514
East South Central	151,640	145,152	4.5%	131,555	119,983	15,482	21,339	63	64	4,540	3,766
Alabama	59,894	59,335	0.9%	45,569	40,541	12,579	16,925	0	0	1,746	1,869
Kentucky	37,367	35,302	5.9%	37,069	35,015	112	104	0	0	186	182
Mississippi	20,221	21,018	-3.8%	16,271	15,973	2,754	4,276	NM	NM	1,186	760
Tennessee	34,158	29,498	15.8%	32,646	28,454	37	34	53	55	1,421	955
West South Central	252,236	264,499	-4.6%	87,579	96,910	134,487	138,366	244	250	29,926	28,972
Arkansas	23,853	27,601	-13.6%	16,369	19,046	6,653	7,738	NM	NM	829	815
Louisiana	37,485	40,688	-7.9%	17,981	20,547	8,569	9,097	NM	NM	10,917	11,025
Oklahoma	27,887	31,133	-10.4%	20,357	22,543	7,226	8,273	NM	NM	288	303
Texas	163,011	165,077	-1.3%	32,872	34,776	112,038	113,259	208	214	17,893	16,829
Mountain	147,637	142,150	3.9%	116,282	112,238	29,997	28,541	107	110	1,251	1,260
Arizona	40,435	42,825	-5.6%	36,115	36,968	4,275	5,737	29	31	NM	89
Colorado	21,697	21,070	3.0%	16,642	16,366	5,020	4,669	10	9	26	26
Idaho	6,841	7,013	-2.5%	4,489	4,939	2,135	1,858	0	0	216	216
Montana	12,707	10,736	18.4%	2,947	3,223	9,756	7,510	0	0	NM	NM
Nevada	13,828	12,216	13.2%	9,494	8,254	4,184	3,815	36	38	113	108
New Mexico	14,586	13,954	4.5%	11,998	11,230	2,525	2,661	31	33	32	30
Utah	16,583	14,804	12.0%	15,596	13,765	668	785	NM	NM	317	254
Wyoming	20,960	19,532	7.3%	19,000	17,493	1,434	1,506	0	0	526	533
Pacific Contiguous	147,814	152,323	-3.0%	91,403	97,543	48,283	46,452	1,185	1,191	6,944	7,138
California	74,624	77,235	-3.4%	29,638	31,375	37,688	38,310	1,153	1,153	6,145	6,397
Oregon	26,403	26,725	-1.2%	19,642	21,064	6,499	5,457	30	32	233	172
Washington	46,787	48,363	-3.3%	42,123	45,104	4,096	2,685	NM	NM	565	568
Pacific Noncontiguous	6,623	7,222	-8.3%	4,753	5,253	1,491	1,507	212	249	168	213
Alaska	2,704	3,084	-12.3%	2,477	2,823	114	84	67	123	46	53
Hawaii	3,920	4,138	-5.3%	2,276	2,429	1,377	1,423	144	126	122	160
U.S. Total	1,603,995	1,593,580	0.7%	930,193	913,092	609,318	617,431	4,336	4,364	60,147	58,692

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	63	27	128.9%	15	1	44	23	0	0	NM	NM
Connecticut	-1	5	-125.0%	0	0	-1	5	0	0	0	0
Maine	3	3	-5.1%	0	0	2	2	0	0	1	0
Massachusetts	46	18	155.7%	0	0	44	16	0	0	NM	NM
New Hampshire	15	1	NM	15	1	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	8,422	7,386	14.0%	NM	NM	8,349	7,288	NM	NM	71	97
New Jersey	147	94	56.0%	0	0	147	94	0	0	0	0
New York	395	148	166.5%	NM	NM	372	125	0	0	22	22
Pennsylvania	7,880	7,144	10.3%	0	0	7,831	7,068	NM	NM	49	75
East North Central	27,889	26,164	6.6%	20,821	18,010	6,800	7,865	29	27	240	262
Illinois	5,885	6,226	-5.5%	904	916	4,849	5,159	5	4	127	147
Indiana	7,072	6,923	2.2%	6,669	6,536	387	378	12	6	NM	NM
Michigan	4,210	4,311	-2.3%	4,151	4,254	31	29	9	16	19	12
Ohio	7,739	6,782	14.1%	6,189	4,464	1,533	2,299	NM	NM	17	19
Wisconsin	2,983	1,921	55.3%	2,908	1,841	0	0	NM	NM	73	79
West North Central	16,143	15,168	6.4%	15,839	14,887	0	0	24	18	279	263
Iowa	2,530	2,477	2.1%	2,335	2,297	0	0	14	11	180	168
Kansas	2,216	2,070	7.1%	2,216	2,070	0	0	0	0	0	0
Minnesota	1,496	1,238	20.8%	1,433	1,174	0	0	NM	NM	62	63
Missouri	5,987	5,516	8.5%	5,974	5,507	0	0	9	6	NM	NM
Nebraska	1,757	1,599	9.9%	1,731	1,577	0	0	0	0	26	22
North Dakota	2,020	2,036	-0.8%	2,013	2,029	0	0	0	0	NM	7
South Dakota	136	234	-41.6%	136	234	0	0	0	0	0	0
South Atlantic	19,027	22,761	-16.4%	15,650	19,111	3,206	3,475	NM	NM	169	173
Delaware	119	160	-25.4%	0	0	119	160	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,148	3,789	9.5%	3,931	3,585	199	186	0	0	NM	NM
Georgia	2,969	4,130	-28.1%	2,931	4,084	0	0	0	0	38	46
Maryland	854	1,254	-31.9%	0	0	851	1,240	0	0	3	14
North Carolina	3,136	4,439	-29.4%	2,971	4,281	148	140	0	0	NM	NM
South Carolina	1,841	2,447	-24.8%	1,832	2,437	0	0	0	0	9	10
Virginia	1,415	1,040	36.0%	1,278	865	NM	127	NM	NM	54	48
West Virginia	4,544	5,502	-17.4%	2,707	3,860	1,809	1,623	0	0	29	19
East South Central	13,086	14,078	-7.0%	12,957	13,690	0	259	NM	NM	127	127
Alabama	3,957	3,427	15.5%	3,941	3,406	0	7	0	0	16	14
Kentucky	6,003	6,565	-8.6%	6,003	6,565	0	0	0	0	0	0
Mississippi	411	642	-36.0%	411	390	0	252	0	0	0	0
Tennessee	2,715	3,444	-21.1%	2,602	3,329	0	0	NM	NM	111	113
West South Central	18,794	17,471	7.6%	9,901	9,808	8,851	7,625	0	0	42	38
Arkansas	2,412	2,597	-7.1%	2,007	2,155	398	436	0	0	7	6
Louisiana	1,736	1,679	3.4%	685	733	1,051	945	0	0	0	NM
Oklahoma	2,385	2,420	-1.4%	2,232	2,284	118	105	0	0	35	NM
Texas	12,261	10,775	13.8%	4,977	4,636	7,284	6,139	0	0	0	NM
Mountain	16,155	12,995	24.3%	14,898	12,449	1,139	487	0	0	118	59
Arizona	3,863	3,170	21.8%	3,863	3,152	0	0	0	0	0	NM
Colorado	2,790	2,444	14.2%	2,779	2,433	NM	NM	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,025	415	147.0%	NM	NM	1,004	396	0	0	NM	NM
Nevada	365	81	348.5%	326	80	38	1	0	0	0	0
New Mexico	1,900	1,947	-2.4%	1,900	1,947	0	0	0	0	0	0
Utah	2,939	2,061	42.6%	2,824	2,030	NM	NM	0	0	78	0
Wyoming	3,268	2,872	13.8%	3,185	2,789	NM	NM	0	0	33	34
Pacific Contiguous	194	105	85.3%	94	0	68	68	0	0	32	37
California	100	102	-1.9%	0	0	68	68	0	0	32	34
Oregon	94	0	--	94	0	0	0	0	0	0	0
Washington	0	3	-100.0%	0	0	0	0	0	0	0	3
Pacific Noncontiguous	170	189	-10.3%	12	19	145	146	9	22	NM	NM
Alaska	37	57	-35.4%	12	19	15	16	9	22	0	0
Hawaii	133	133	0.5%	0	0	130	130	0	0	NM	NM
U.S. Total	119,943	116,345	3.1%	90,188	87,977	28,603	27,235	67	70	1,085	1,063

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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 May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	3,137	1,226	155.9%	895	560	2,214	648	0	0	28	18
Connecticut	302	24	NM	0	0	302	24	0	0	0	0
Maine	34	15	120.9%	0	0	20	11	0	0	14	5
Massachusetts	1,906	626	204.6%	0	0	1,893	613	0	0	14	13
New Hampshire	895	560	59.7%	895	560	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	42,798	35,058	22.1%	NM	NM	42,346	34,534	NM	NM	441	522
New Jersey	870	491	77.4%	0	0	870	491	0	0	0	0
New York	2,565	1,200	113.7%	NM	NM	2,432	1,065	0	0	124	134
Pennsylvania	39,362	33,367	18.0%	0	0	39,044	32,978	NM	NM	316	388
East North Central	148,559	131,703	12.8%	108,063	93,360	39,095	36,941	146	134	1,255	1,269
Illinois	34,778	31,053	12.0%	4,584	4,418	29,489	25,897	30	21	675	717
Indiana	36,881	35,475	4.0%	34,691	32,766	2,121	2,643	50	46	19	19
Michigan	22,008	19,818	11.1%	21,708	19,553	145	136	55	60	99	69
Ohio	39,352	34,385	14.4%	31,904	26,011	7,339	8,265	NM	NM	107	107
Wisconsin	15,540	10,974	41.6%	15,176	10,611	0	0	8	NM	355	357
West North Central	88,004	81,003	8.6%	86,553	79,632	0	0	115	86	1,335	1,285
Iowa	13,311	13,202	0.8%	12,417	12,356	0	0	73	60	822	786
Kansas	11,868	9,889	20.0%	11,868	9,889	0	0	0	0	0	0
Minnesota	9,198	8,346	10.2%	8,870	8,011	0	0	NM	NM	322	332
Missouri	30,877	27,600	11.9%	30,818	27,563	0	0	38	23	21	14
Nebraska	10,247	9,480	8.1%	10,113	9,363	0	0	0	0	134	116
North Dakota	11,285	11,440	-1.4%	11,249	11,404	0	0	0	0	36	37
South Dakota	1,218	1,046	16.5%	1,218	1,046	0	0	0	0	0	0
South Atlantic	100,103	98,976	1.1%	81,913	83,304	17,342	14,712	25	18	824	942
Delaware	500	358	39.5%	0	0	500	358	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	17,169	16,527	3.9%	16,661	15,847	424	590	0	0	83	90
Georgia	13,515	15,969	-15.4%	13,314	15,742	0	0	0	0	202	226
Maryland	5,495	4,786	14.8%	0	0	5,431	4,719	0	0	65	67
North Carolina	17,840	19,152	-6.9%	17,141	18,395	594	656	19	11	86	90
South Carolina	9,585	11,411	-16.0%	9,530	11,307	0	30	0	0	56	75
Virginia	7,904	5,048	56.6%	7,207	4,367	487	432	NM	NM	205	241
West Virginia	28,095	25,725	9.2%	18,061	17,646	9,907	7,926	0	0	128	153
East South Central	69,859	60,676	15.1%	68,146	58,966	1,047	1,084	10	8	656	618
Alabama	18,069	14,548	24.2%	17,986	14,459	0	12	0	0	83	77
Kentucky	34,386	31,933	7.7%	34,386	31,933	0	0	0	0	0	0
Mississippi	2,944	2,725	8.0%	1,897	1,653	1,047	1,072	0	0	0	0
Tennessee	14,461	11,469	26.1%	13,878	10,920	0	0	10	8	573	542
West South Central	86,700	78,079	11.0%	47,327	44,752	39,212	33,141	0	0	161	186
Arkansas	12,353	11,764	5.0%	10,635	9,843	1,671	1,880	0	0	47	41
Louisiana	8,428	7,141	18.0%	3,539	3,438	4,885	3,697	0	0	NM	NM
Oklahoma	11,232	11,114	1.1%	10,515	10,487	607	490	0	0	110	137
Texas	54,686	48,060	13.8%	22,637	20,984	32,049	27,074	0	0	0	NM
Mountain	82,213	71,875	14.4%	73,610	65,615	8,215	5,888	0	0	388	372
Arizona	17,229	15,586	10.5%	17,216	15,504	0	0	0	0	NM	83
Colorado	13,993	13,205	6.0%	13,952	13,157	41	48	0	0	0	0
Idaho	32	31	5.1%	0	0	0	0	0	0	32	31
Montana	7,291	5,139	41.9%	NM	NM	7,167	5,028	0	0	NM	NM
Nevada	1,961	885	121.5%	1,422	513	539	372	0	0	0	0
New Mexico	10,041	9,344	7.5%	10,041	9,344	0	0	0	0	0	0
Utah	13,412	11,030	21.6%	13,072	10,802	173	152	0	0	168	75
Wyoming	18,254	16,656	9.6%	17,788	16,188	295	288	0	0	171	181
Pacific Contiguous	3,581	1,871	91.4%	1,424	797	1,995	915	0	0	162	160
California	448	656	-31.7%	0	0	297	512	0	0	151	143
Oregon	1,424	797	78.7%	1,424	797	0	0	0	0	0	0
Washington	1,709	419	307.8%	0	0	1,698	402	0	0	11	17
Pacific Noncontiguous	699	910	-23.3%	68	92	556	685	64	120	NM	NM
Alaska	210	296	-28.9%	68	92	78	84	64	120	0	0
Hawaii	488	615	-20.5%	0	0	478	601	0	0	NM	NM
U.S. Total	625,652	561,378	11.4%	468,008	427,078	152,022	128,548	362	365	5,260	5,386

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	16	20	-19.3%	5	3	3	10	4	3	5	4
Connecticut	NM	9	NM	NM	0	NM	8	NM	0	NM	NM
Maine	5	4	19.2%	NM	NM	2	NM	NM	NM	3	4
Massachusetts	7	5	35.6%	2	1	NM	2	NM	NM	2	NM
New Hampshire	2	NM	NM	1	NM	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	65	57	14.0%	18	13	40	37	NM	1	7	6
New Jersey	NM	2	NM	NM	NM	NM	1	NM	NM	NM	NM
New York	43	29	51.8%	17	13	18	9	NM	1	7	5
Pennsylvania	20	27	-24.7%	NM	NM	20	26	NM	0	NM	NM
East North Central	71	48	48.8%	58	43	12	4	NM	NM	1	1
Illinois	11	6	96.4%	3	2	7	3	NM	NM	NM	NM
Indiana	14	11	26.7%	13	10	NM	NM	NM	NM	1	1
Michigan	22	15	49.6%	22	15	0	0	NM	NM	0	0
Ohio	21	14	50.6%	16	13	4	0	NM	NM	0	0
Wisconsin	3	2	24.3%	3	2	0	0	NM	NM	NM	NM
West North Central	32	36	-10.6%	32	32	NM	4	NM	NM	NM	NM
Iowa	7	12	-45.9%	6	12	NM	NM	NM	NM	NM	NM
Kansas	10	3	198.1%	10	3	0	0	0	0	0	0
Minnesota	-1	6	-118.4%	-1	2	NM	3	NM	NM	NM	NM
Missouri	8	6	44.1%	8	6	0	0	NM	NM	0	0
Nebraska	5	3	40.5%	5	3	0	0	0	0	0	0
North Dakota	3	5	-36.7%	3	5	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	122	168	-27.7%	92	135	21	24	NM	NM	8	9
Delaware	1	2	-21.5%	NM	NM	1	2	0	0	0	0
District of Columbia	0	6	-100.0%	0	0	0	6	0	0	0	0
Florida	45	74	-38.3%	44	70	NM	2	0	0	NM	NM
Georgia	4	7	-42.8%	1	4	NM	NM	NM	NM	3	3
Maryland	17	10	60.7%	NM	1	16	9	NM	NM	0	0
North Carolina	19	25	-25.3%	16	24	1	NM	NM	NM	NM	NM
South Carolina	10	10	6.0%	9	9	0	0	NM	NM	1	1
Virginia	16	21	-27.3%	12	14	2	5	NM	0	NM	2
West Virginia	9	13	-26.9%	9	13	0	0	0	0	0	0
East South Central	26	36	-27.0%	24	33	NM	0	0	0	NM	NM
Alabama	7	9	-22.8%	5	7	NM	0	0	0	NM	NM
Kentucky	10	11	-6.8%	10	11	0	0	0	0	0	0
Mississippi	1	3	-55.1%	1	3	0	0	0	0	0	0
Tennessee	8	13	-40.2%	8	13	0	0	0	0	NM	NM
West South Central	20	20	-2.6%	8	10	11	9	NM	NM	NM	1
Arkansas	5	2	217.4%	3	1	2	0	0	0	NM	NM
Louisiana	4	6	-39.0%	1	3	2	2	0	0	0	1
Oklahoma	1	3	-58.6%	1	3	0	0	NM	NM	0	0
Texas	10	10	-1.2%	3	3	7	7	NM	NM	NM	NM
Mountain	20	20	1.8%	18	17	NM	3	NM	NM	NM	NM
Arizona	3	5	-45.4%	3	5	0	0	NM	NM	0	NM
Colorado	NM	1	NM	NM	1	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	1	2	-40.6%	NM	NM	1	2	0	0	0	0
Nevada	2	1	99.2%	1	0	1	1	0	0	0	0
New Mexico	5	3	53.7%	5	3	NM	NM	0	0	0	0
Utah	4	3	40.3%	4	3	NM	NM	0	0	0	0
Wyoming	5	5	-3.1%	5	5	0	0	0	0	NM	NM
Pacific Contiguous	11	5	119.7%	4	3	NM	1	NM	NM	6	2
California	8	3	127.6%	3	3	NM	1	NM	NM	4	NM
Oregon	1	NM	NM	1	0	0	0	NM	NM	0	0
Washington	NM	2	NM	NM	NM	NM	NM	NM	NM	NM	NM
Pacific Noncontiguous	649	670	-3.0%	497	525	141	135	NM	NM	NM	9
Alaska	64	82	-22.3%	61	78	0	0	NM	NM	3	4
Hawaii	585	587	-0.3%	436	447	141	135	0	0	NM	6
U.S. Total	1,034	1,081	-4.4%	755	814	231	227	6	6	42	34

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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 May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	507	132	282.5%	83	26	375	66	28	15	20	25
Connecticut	156	17	792.1%	2	2	152	14	NM	0	NM	NM
Maine	136	47	189.6%	NM	0	124	22	NM	NM	10	24
Massachusetts	149	45	226.7%	40	8	83	29	17	8	9	NM
New Hampshire	43	16	170.0%	35	11	NM	NM	NM	NM	NM	NM
Rhode Island	21	5	290.7%	4	5	16	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	604	185	226.6%	194	31	365	116	NM	5	39	34
New Jersey	64	4	NM	NM	NM	63	3	NM	NM	NM	NM
New York	416	108	285.7%	193	30	181	43	NM	4	36	31
Pennsylvania	124	73	69.6%	NM	NM	121	71	0	0	NM	NM
East North Central	252	249	1.2%	203	209	42	33	NM	NM	6	7
Illinois	32	28	15.9%	10	9	22	18	NM	0	NM	NM
Indiana	59	49	20.6%	55	45	NM	NM	NM	NM	4	4
Michigan	62	66	-6.1%	60	64	0	0	NM	1	1	1
Ohio	85	97	-12.6%	66	83	19	13	NM	NM	0	1
Wisconsin	14	9	54.2%	12	7	1	1	NM	NM	NM	NM
West North Central	121	129	-6.3%	119	123	1	4	NM	NM	NM	NM
Iowa	32	37	-13.7%	32	37	NM	0	NM	NM	NM	NM
Kansas	25	14	75.9%	25	14	0	0	0	0	0	0
Minnesota	-1	11	-108.7%	-2	6	0	4	NM	NM	NM	NM
Missouri	35	34	2.7%	35	34	0	0	NM	NM	0	0
Nebraska	13	13	-2.4%	13	13	0	0	0	0	0	0
North Dakota	13	16	-18.7%	13	16	0	0	NM	NM	NM	NM
South Dakota	4	4	24.9%	4	3	NM	0	NM	NM	0	0
South Atlantic	627	615	2.0%	485	467	90	94	NM	1	51	53
Delaware	12	7	72.2%	NM	NM	12	7	0	0	0	0
District of Columbia	0	9	-100.0%	0	0	0	9	0	0	0	0
Florida	241	213	13.3%	231	197	NM	7	0	0	7	8
Georgia	23	48	-51.8%	2	29	NM	NM	1	1	20	18
Maryland	60	44	37.8%	3	3	57	34	NM	NM	0	6
North Carolina	102	99	3.3%	91	93	6	NM	NM	NM	NM	5
South Carolina	41	51	-19.4%	38	47	0	0	NM	0	4	4
Virginia	99	85	16.4%	73	39	12	35	0	0	15	11
West Virginia	48	58	-17.8%	47	58	1	0	0	0	0	0
East South Central	152	155	-2.1%	136	143	0	1	0	0	16	11
Alabama	42	38	10.8%	29	28	0	1	0	0	13	9
Kentucky	50	48	4.9%	50	48	0	0	0	0	0	0
Mississippi	7	7	-6.0%	5	6	0	0	0	0	2	1
Tennessee	52	62	-15.2%	51	61	0	0	0	0	NM	NM
West South Central	87	70	24.0%	26	31	51	33	NM	NM	11	6
Arkansas	15	16	-3.0%	7	9	8	5	0	0	NM	1
Louisiana	26	16	64.8%	5	5	11	6	0	0	9	5
Oklahoma	3	6	-44.3%	3	6	0	0	NM	0	0	0
Texas	43	33	30.1%	11	11	31	21	NM	NM	NM	NM
Mountain	94	93	0.5%	88	86	6	7	NM	NM	NM	NM
Arizona	20	21	-6.1%	20	20	0	0	NM	NM	NM	NM
Colorado	5	8	-32.9%	5	8	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	4	4	-10.8%	NM	NM	4	4	0	0	0	0
Nevada	7	7	-5.0%	5	5	2	2	0	0	0	0
New Mexico	22	20	13.3%	22	19	NM	NM	0	0	0	0
Utah	19	17	11.7%	19	17	NM	NM	0	0	0	0
Wyoming	17	17	3.4%	17	17	0	0	0	0	NM	NM
Pacific Contiguous	35	34	3.1%	17	17	6	9	NM	NM	12	NM
California	21	21	0.7%	13	13	2	7	0	0	5	NM
Oregon	NM	1	NM	3	1	0	0	NM	NM	0	0
Washington	11	12	-6.2%	NM	3	3	2	NM	NM	6	NM
Pacific Noncontiguous	3,211	3,455	-7.1%	2,564	2,824	594	545	2	NM	50	84
Alaska	323	427	-24.4%	307	408	0	0	NM	NM	15	18
Hawaii	2,888	3,028	-4.6%	2,257	2,417	594	545	1	1	35	66
U.S. Total	5,690	5,118	11.2%	3,913	3,956	1,530	906	41	26	207	229

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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, May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 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	5	0	0	0	NM	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	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	260	126	106.7%	173	37	62	71	0	0	25	NM
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	171	36	381.4%	171	36	0	0	0	0	0	0
Michigan	NM	NM	NM	0	0	7	6	0	0	NM	NM
Ohio	57	66	-13.9%	0	0	56	65	0	0	NM	1
Wisconsin	16	14	14.9%	1	1	0	0	0	0	14	12
West North Central	0	0	-69.3%	0	0	0	0	0	0	0	0
Iowa	0	0	-100.0%	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	337	25	NM	317	0	0	0	0	0	21	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	317	0	--	317	0	0	0	0	0	0	0
Georgia	21	25	-17.1%	0	0	0	0	0	0	21	25
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	119	149	-20.5%	119	149	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	119	149	-20.5%	119	149	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	545	293	85.9%	427	194	0	0	0	0	118	99
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	457	212	116.0%	427	194	0	0	0	0	NM	NM
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	88	82	8.1%	0	0	0	0	0	0	88	82
Mountain	36	42	-15.8%	0	0	36	42	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	36	42	-15.8%	0	0	36	42	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
California	NM	NM	NM	0	0	NM	NM	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,322	647	104.5%	1,035	380	110	120	0	0	177	146

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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 May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 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	NM	NM	NM	0	0	5	0	0	0	NM	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	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	1,213	906	33.9%	618	400	478	397	0	0	117	108
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	614	373	64.5%	614	373	0	0	0	0	0	0
Michigan	65	54	20.2%	0	0	33	30	0	0	NM	NM
Ohio	446	369	21.0%	0	0	445	367	0	0	NM	NM
Wisconsin	87	109	-20.5%	3	27	0	0	0	0	84	83
West North Central	2	14	-84.9%	0	12	0	0	2	2	0	0
Iowa	2	14	-83.8%	0	12	0	0	2	2	0	0
Kansas	0	0	160.9%	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	728	499	45.9%	616	352	0	0	0	0	112	147
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	616	352	75.0%	616	352	0	0	0	0	0	0
Georgia	112	147	-24.0%	0	0	0	0	0	0	112	147
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	543	474	14.6%	543	474	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	543	474	14.6%	543	474	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	2,316	1,765	31.2%	1,836	1,191	0	0	0	0	481	574
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	1,946	1,282	51.8%	1,836	1,191	0	0	0	0	111	91
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	370	483	-23.4%	0	0	0	0	0	0	370	483
Mountain	196	204	-3.9%	0	0	196	204	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	196	204	-3.9%	0	0	196	204	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	221	NM	0	0	NM	221	0	0	0	0
California	NM	221	NM	0	0	NM	221	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	5,063	4,105	23.3%	3,612	2,430	705	823	2	2	743	851

Displayed values of zero may 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 1.10.A. Net Generation from Natural Gas
by State, by Sector, May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	4,760	4,771	-0.2%	19	26	4,490	4,470	52	62	198	213
Connecticut	1,386	1,071	29.4%	NM	NM	1,349	1,023	NM	18	NM	25
Maine	355	288	23.4%	0	0	190	121	NM	NM	165	167
Massachusetts	2,121	2,005	5.8%	15	21	2,061	1,927	33	39	NM	NM
New Hampshire	172	652	-73.7%	1	0	169	650	0	0	NM	NM
Rhode Island	726	754	-3.7%	0	0	722	749	NM	NM	0	0
Vermont	0	0	16.6%	0	0	0	0	0	0	0	0
Middle Atlantic	10,040	11,872	-15.4%	1,138	1,199	8,735	10,483	60	65	107	125
New Jersey	2,105	2,691	-21.8%	0	0	2,058	2,636	NM	NM	NM	43
New York	4,189	5,210	-19.6%	1,138	1,198	2,991	3,945	43	47	NM	19
Pennsylvania	3,746	3,972	-5.7%	NM	NM	3,686	3,901	NM	NM	55	62
East North Central	4,829	8,005	-39.7%	1,770	2,929	2,885	4,866	74	81	100	129
Illinois	494	879	-43.9%	89	212	355	604	19	23	NM	41
Indiana	719	1,416	-49.3%	550	1,128	127	236	NM	NM	37	48
Michigan	1,401	2,349	-40.4%	287	343	1,072	1,965	29	NM	NM	NM
Ohio	1,748	2,025	-13.7%	601	598	1,128	1,403	NM	NM	NM	NM
Wisconsin	469	1,336	-64.9%	242	648	203	657	NM	NM	NM	NM
West North Central	1,206	2,021	-40.3%	930	1,600	239	388	NM	NM	NM	NM
Iowa	97	144	-32.4%	93	141	NM	NM	NM	NM	NM	2
Kansas	208	406	-48.8%	205	405	0	0	0	0	3	NM
Minnesota	449	765	-41.3%	325	605	105	144	NM	NM	NM	NM
Missouri	412	607	-32.0%	271	354	134	244	8	9	NM	NM
Nebraska	28	75	-63.2%	25	73	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	NM	0	0	0	0	0	NM	NM
South Dakota	NM	NM	NM	NM	NM	0	0	0	0	0	0
South Atlantic	20,107	24,242	-17.1%	16,071	18,319	3,707	5,656	NM	NM	306	249
Delaware	488	638	-23.4%	NM	NM	402	605	0	0	84	30
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	11,411	13,890	-17.8%	10,454	12,392	841	1,367	NM	NM	113	128
Georgia	3,072	3,983	-22.9%	2,339	2,338	662	1,590	0	0	72	55
Maryland	332	833	-60.2%	0	0	313	804	NM	NM	NM	15
North Carolina	2,212	1,630	35.7%	1,394	1,324	809	299	0	0	NM	NM
South Carolina	907	1,274	-28.8%	850	1,054	NM	216	0	NM	5	NM
Virginia	1,647	1,959	-15.9%	1,030	1,199	600	751	0	0	NM	NM
West Virginia	30	27	11.9%	2	3	28	23	0	0	NM	NM
East South Central	5,642	10,340	-45.4%	3,176	5,288	2,254	4,902	NM	NM	201	139
Alabama	2,984	5,289	-43.6%	977	1,313	1,942	3,889	0	0	65	87
Kentucky	164	494	-66.8%	74	425	74	51	0	0	NM	18
Mississippi	2,315	3,785	-38.8%	1,958	2,790	238	962	NM	NM	117	NM
Tennessee	179	772	-76.8%	168	759	0	0	NM	NM	NM	NM
West South Central	23,178	30,647	-24.4%	5,725	8,938	12,335	16,506	49	50	5,070	5,153
Arkansas	771	1,515	-49.1%	NM	286	700	1,214	0	NM	NM	NM
Louisiana	3,519	5,762	-38.9%	1,299	2,499	662	1,174	NM	NM	1,555	2,085
Oklahoma	2,449	3,882	-36.9%	1,706	2,434	731	1,437	NM	NM	NM	NM
Texas	16,439	19,487	-15.6%	2,667	3,718	10,242	12,681	42	43	3,488	3,045
Mountain	5,047	6,826	-26.1%	3,313	4,393	1,644	2,290	17	NM	74	125
Arizona	1,222	2,140	-42.9%	662	1,290	555	839	NM	NM	0	NM
Colorado	696	1,043	-33.2%	317	571	377	470	1	0	NM	NM
Idaho	156	NM	NM	65	NM	90	NM	0	0	NM	NM
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	1,831	2,273	-19.4%	1,545	1,658	266	590	NM	NM	15	NM
New Mexico	743	704	5.6%	429	372	304	320	NM	NM	NM	NM
Utah	348	580	-40.1%	282	465	49	57	0	NM	16	59
Wyoming	41	40	2.8%	NM	NM	NM	NM	0	0	37	33
Pacific Contiguous	8,406	8,901	-5.6%	2,779	2,932	4,407	4,730	147	153	1,072	1,087
California	7,748	8,573	-9.6%	2,400	2,866	4,144	4,480	144	149	1,060	1,078
Oregon	402	206	95.0%	172	NM	224	195	NM	NM	NM	NM
Washington	255	122	109.7%	207	NM	39	55	NM	NM	8	3
Pacific Noncontiguous	277	302	-8.2%	274	298	0	0	NM	NM	NM	NM
Alaska	277	302	-8.2%	274	298	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	83,491	107,927	-22.6%	35,194	45,922	40,696	54,289	449	480	7,152	7,235

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	19,437	23,003	-15.5%	82	79	18,049	21,566	278	299	1,028	1,060
Connecticut	6,397	5,564	15.0%	NM	NM	6,202	5,353	80	87	101	106
Maine	2,013	2,387	-15.7%	0	0	1,166	1,515	NM	NM	847	872
Massachusetts	7,651	8,821	-13.3%	57	57	7,346	8,502	178	191	70	72
New Hampshire	1,204	2,971	-59.5%	10	4	1,184	2,957	0	0	NM	NM
Rhode Island	2,171	3,260	-33.4%	0	0	2,151	3,239	NM	NM	0	0
Vermont	1	1	15.6%	1	1	0	0	0	0	0	0
Middle Atlantic	49,042	53,403	-8.2%	4,880	4,825	43,264	47,646	337	318	560	615
New Jersey	9,519	10,432	-8.8%	0	0	9,275	10,169	59	52	185	211
New York	20,139	21,376	-5.8%	4,878	4,823	14,909	16,210	253	240	98	104
Pennsylvania	19,385	21,595	-10.2%	NM	NM	19,079	21,267	NM	NM	277	300
East North Central	23,596	36,238	-34.9%	8,270	13,066	14,335	22,030	445	511	546	631
Illinois	2,734	4,361	-37.3%	237	639	2,173	3,369	158	177	166	176
Indiana	3,500	6,597	-46.9%	2,474	5,418	796	920	NM	NM	209	237
Michigan	5,453	10,560	-48.4%	875	1,936	4,330	8,334	168	185	80	106
Ohio	8,628	9,679	-10.9%	2,987	2,396	5,543	7,177	71	76	NM	30
Wisconsin	3,282	5,041	-34.9%	1,698	2,677	1,492	2,230	27	53	65	82
West North Central	5,695	6,275	-9.2%	4,678	5,199	845	872	75	123	97	82
Iowa	385	369	4.4%	373	358	NM	NM	NM	NM	NM	5
Kansas	758	1,086	-30.2%	747	1,076	0	0	0	0	11	NM
Minnesota	2,548	2,621	-2.8%	2,169	2,200	277	316	52	69	50	36
Missouri	1,839	1,998	-8.0%	1,253	1,396	568	555	18	46	NM	NM
Nebraska	71	132	-46.3%	54	112	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	NM	0	0	0	0	0	NM	NM
South Dakota	82	NM	NM	82	NM	0	0	0	0	0	0
South Atlantic	96,854	102,193	-5.2%	78,282	78,420	16,950	22,463	117	97	1,504	1,214
Delaware	2,222	2,856	-22.2%	NM	NM	1,868	2,688	0	0	347	160
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	52,841	59,169	-10.7%	48,896	53,628	3,323	4,920	NM	NM	606	605
Georgia	16,618	15,351	8.3%	12,712	8,670	3,542	6,413	0	0	364	268
Maryland	866	2,142	-59.5%	0	0	771	2,005	70	77	NM	61
North Carolina	10,843	7,626	42.2%	7,110	6,171	3,678	1,412	1	2	54	41
South Carolina	4,700	5,290	-11.1%	4,436	4,476	236	791	1	NM	27	22
Virginia	8,632	9,639	-10.4%	5,105	5,428	3,450	4,157	0	0	77	53
West Virginia	103	87	18.9%	17	6	83	78	0	0	NM	NM
East South Central	33,506	43,346	-22.7%	18,012	22,504	14,313	20,135	NM	57	1,128	650
Alabama	18,565	23,000	-19.3%	5,646	5,778	12,498	16,831	0	0	420	390
Kentucky	705	1,501	-53.0%	512	1,307	108	100	0	0	85	93
Mississippi	12,255	16,266	-24.7%	9,936	12,905	1,707	3,203	NM	NM	602	148
Tennessee	1,982	2,580	-23.2%	1,918	2,514	0	0	NM	47	21	19
West South Central	109,128	129,962	-16.0%	24,717	33,445	58,501	71,466	226	232	25,685	24,818
Arkansas	5,255	6,792	-22.6%	216	903	4,922	5,797	NM	NM	117	92
Louisiana	18,409	22,808	-19.3%	6,467	8,585	2,934	4,726	NM	NM	8,989	9,478
Oklahoma	11,105	15,709	-29.3%	8,347	10,562	2,687	5,089	NM	NM	NM	NM
Texas	74,360	84,653	-12.2%	9,687	13,396	47,959	55,854	192	198	16,522	15,206
Mountain	25,819	30,450	-15.2%	15,913	18,313	9,355	11,539	80	84	471	515
Arizona	6,332	10,315	-38.6%	2,875	4,920	3,428	5,362	25	27	NM	NM
Colorado	3,647	4,152	-12.2%	1,981	2,492	1,657	1,654	1	0	NM	NM
Idaho	1,012	625	62.1%	326	52	668	554	0	0	18	19
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	9,012	9,008	0.0%	6,845	6,668	2,030	2,208	23	25	113	108
New Mexico	3,234	3,332	-2.9%	1,855	1,777	1,318	1,494	29	31	32	30
Utah	2,297	2,723	-15.6%	1,977	2,341	244	258	NM	NM	75	123
Wyoming	238	240	-0.7%	NM	NM	NM	NM	0	0	223	222
Pacific Contiguous	49,678	51,898	-4.3%	16,594	16,523	27,388	29,535	707	727	4,988	5,113
California	41,763	45,100	-7.4%	12,604	13,451	23,565	25,910	686	700	4,908	5,040
Oregon	5,300	4,914	7.9%	1,773	1,600	3,463	3,247	19	NM	46	45
Washington	2,614	1,884	38.8%	2,217	1,472	360	378	NM	NM	35	27
Pacific Noncontiguous	1,575	1,738	-9.4%	1,545	1,704	0	0	NM	NM	29	32
Alaska	1,575	1,738	-9.4%	1,545	1,704	0	0	NM	NM	29	32
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	414,331	478,507	-13.4%	172,972	194,076	203,001	247,252	2,320	2,450	36,038	34,729

Displayed values of zero may 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 1.11.A. Net Generation from Other Gases
by State, by Sector, May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 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	82	66	24.2%	0	0	NM	NM	0	NM	80	59
New Jersey	17	NM	NM	0	0	0	0	0	NM	17	NM
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	65	54	19.4%	0	0	NM	NM	0	0	63	48
East North Central	276	276	0.1%	3	0	39	27	0	0	234	248
Illinois	39	24	62.6%	0	0	4	1	0	0	35	23
Indiana	181	208	-13.3%	0	0	0	0	0	0	181	208
Michigan	38	19	101.2%	3	0	35	19	0	0	0	0
Ohio	19	25	-23.1%	0	0	0	8	0	0	19	17
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	11	44	-76.0%	0	0	0	0	0	0	11	44
Delaware	8	18	-52.2%	0	0	0	0	0	0	8	18
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	1	-60.1%	0	0	0	0	0	0	0	1
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	24	-100.0%	0	0	0	0	0	0	0	24
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	2	11.0%	0	0	0	0	0	0	2	2
East South Central	7	32	-79.4%	0	0	0	0	0	0	7	32
Alabama	6	30	-81.8%	0	0	0	0	0	0	6	30
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	1	-26.0%	0	0	0	0	0	0	1	1
West South Central	414	347	19.4%	0	0	170	154	0	0	245	194
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	223	87	155.1%	0	0	60	24	0	0	163	63
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	191	260	-26.3%	0	0	110	130	0	0	82	130
Mountain	27	24	14.0%	0	0	1	1	0	0	26	23
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	8.8%	0	0	0	0	0	0	0	0
Nevada	1	1	-14.7%	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	24	21	16.2%	0	0	0	0	0	0	24	21
Pacific Contiguous	149	175	-14.9%	NM	NM	31	37	0	0	118	137
California	119	138	-14.2%	NM	NM	0	0	0	0	118	137
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	31	37	-17.2%	0	0	31	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	973	969	0.4%	NM	NM	242	225	0	NM	728	742

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 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	355	357	-0.4%	0	0	NM	26	NM	NM	344	329
New Jersey	71	66	8.6%	0	0	0	0	NM	NM	71	64
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	284	291	-2.5%	0	0	NM	26	0	0	273	265
East North Central	1,242	1,338	-7.2%	17	0	149	159	0	0	1,076	1,179
Illinois	155	133	15.8%	0	0	10	1	0	0	144	133
Indiana	849	959	-11.5%	0	0	0	0	0	0	849	959
Michigan	156	131	18.9%	17	0	139	131	0	0	0	0
Ohio	82	114	-28.0%	0	0	0	27	0	0	82	87
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	20	18	15.1%	0	0	0	0	0	0	20	18
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	20	18	15.1%	0	0	0	0	0	0	20	18
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	47	217	-78.4%	0	0	0	0	0	0	47	217
Delaware	35	92	-62.6%	0	0	0	0	0	0	35	92
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2	4	-50.9%	0	0	0	0	0	0	2	4
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	109	-100.0%	0	0	0	0	0	0	0	109
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	11	12	-12.3%	0	0	0	0	0	0	11	12
East South Central	63	158	-60.1%	0	0	0	0	0	0	63	158
Alabama	57	152	-62.2%	0	0	0	0	0	0	57	152
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	6	6	-4.2%	0	0	0	0	0	0	6	6
West South Central	1,792	1,796	-0.2%	0	0	718	809	0	0	1,074	987
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	834	527	58.1%	0	0	188	115	0	0	646	412
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	958	1,268	-24.5%	0	0	530	694	0	0	428	574
Mountain	146	146	0.2%	0	0	2	3	0	0	144	143
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	19.9%	0	0	0	0	0	0	0	0
Nevada	2	3	-32.4%	0	0	2	3	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	13	NM	0	0	0	0	0	0	NM	13
Wyoming	132	130	1.5%	0	0	0	0	0	0	132	130
Pacific Contiguous	784	899	-12.8%	NM	NM	143	169	0	0	637	726
California	641	730	-12.2%	NM	NM	0	0	0	0	637	726
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	143	169	-15.6%	0	0	143	169	0	0	0	0
Pacific Noncontiguous	13	15	-9.8%	0	0	0	0	0	0	13	15
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	NM	14	NM	0	0	0	0	0	0	NM	14
U.S. Total	4,463	4,944	-9.7%	21	NM	1,023	1,166	NM	NM	3,419	3,771

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

Table 1.12.A. Net Generation from Nuclear Energy by State, by Sector, May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	2,392	3,211	-25.5%	0	0	2,392	3,211	0	0	0	0
Connecticut	998	1,547	-35.5%	0	0	998	1,547	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	8	442	-98.2%	0	0	8	442	0	0	0	0
New Hampshire	929	785	18.3%	0	0	929	785	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	457	436	4.9%	0	0	457	436	0	0	0	0
Middle Atlantic	11,544	11,380	1.4%	0	0	11,544	11,380	0	0	0	0
New Jersey	2,281	2,602	-12.3%	0	0	2,281	2,602	0	0	0	0
New York	3,730	3,061	21.9%	0	0	3,730	3,061	0	0	0	0
Pennsylvania	5,532	5,717	-3.2%	0	0	5,532	5,717	0	0	0	0
East North Central	12,230	12,765	-4.2%	1,455	2,216	10,775	10,549	0	0	0	0
Illinois	8,635	7,994	8.0%	0	0	8,635	7,994	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,533	2,554	-40.0%	1,455	2,216	79	338	0	0	0	0
Ohio	1,082	1,044	3.6%	0	0	1,082	1,044	0	0	0	0
Wisconsin	979	1,174	-16.6%	0	0	979	1,174	0	0	0	0
West North Central	2,433	3,639	-33.2%	1,980	3,193	452	446	0	0	0	0
Iowa	452	446	1.3%	0	0	452	446	0	0	0	0
Kansas	612	888	-31.2%	612	888	0	0	0	0	0	0
Minnesota	752	824	-8.7%	752	824	0	0	0	0	0	0
Missouri	34	901	-96.2%	34	901	0	0	0	0	0	0
Nebraska	582	579	0.6%	582	579	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	16,402	15,075	8.8%	15,308	13,766	1,095	1,309	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	2,252	1,406	60.1%	2,252	1,406	0	0	0	0	0	0
Georgia	3,064	2,892	6.0%	3,064	2,892	0	0	0	0	0	0
Maryland	1,095	1,309	-16.4%	0	0	1,095	1,309	0	0	0	0
North Carolina	2,923	3,043	-3.9%	2,923	3,043	0	0	0	0	0	0
South Carolina	4,937	4,304	14.7%	4,937	4,304	0	0	0	0	0	0
Virginia	2,131	2,120	0.5%	2,131	2,120	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7,103	5,414	31.2%	7,103	5,414	0	0	0	0	0	0
Alabama	3,444	2,995	15.0%	3,444	2,995	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,067	-10	NM	1,067	-10	0	0	0	0	0	0
Tennessee	2,591	2,429	6.7%	2,591	2,429	0	0	0	0	0	0
West South Central	5,867	6,322	-7.2%	2,254	2,520	3,613	3,803	0	0	0	0
Arkansas	743	1,372	-45.8%	743	1,372	0	0	0	0	0	0
Louisiana	1,511	1,148	31.6%	1,511	1,148	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,613	3,803	-5.0%	0	0	3,613	3,803	0	0	0	0
Mountain	2,945	2,953	-0.3%	2,945	2,953	0	0	0	0	0	0
Arizona	2,945	2,953	-0.3%	2,945	2,953	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	1,932	1,323	46.0%	1,932	1,323	0	0	0	0	0	0
California	1,678	823	103.9%	1,678	823	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	255	500	-49.1%	255	500	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	62,848	62,081	1.2%	32,977	31,384	29,871	30,697	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 May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	14,177	15,814	-10.3%	0	0	14,177	15,814	0	0	0	0
Connecticut	6,562	7,650	-14.2%	0	0	6,562	7,650	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	1,334	2,412	-44.7%	0	0	1,334	2,412	0	0	0	0
New Hampshire	4,522	3,688	22.6%	0	0	4,522	3,688	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	1,759	2,064	-14.8%	0	0	1,759	2,064	0	0	0	0
Middle Atlantic	64,927	62,492	3.9%	0	0	64,927	62,492	0	0	0	0
New Jersey	13,963	14,058	-0.7%	0	0	13,963	14,058	0	0	0	0
New York	18,116	16,515	9.7%	0	0	18,116	16,515	0	0	0	0
Pennsylvania	32,848	31,919	2.9%	0	0	32,848	31,919	0	0	0	0
East North Central	62,086	64,096	-3.1%	8,890	9,800	53,196	54,296	0	0	0	0
Illinois	39,620	39,650	-0.1%	0	0	39,620	39,650	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	11,161	11,848	-5.8%	8,890	9,800	2,271	2,049	0	0	0	0
Ohio	5,723	6,697	-14.5%	0	0	5,723	6,697	0	0	0	0
Wisconsin	5,582	5,900	-5.4%	0	0	5,582	5,900	0	0	0	0
West North Central	14,474	16,487	-12.2%	12,256	14,260	2,218	2,227	0	0	0	0
Iowa	2,218	2,227	-0.4%	0	0	2,218	2,227	0	0	0	0
Kansas	1,905	2,187	-12.9%	1,905	2,187	0	0	0	0	0	0
Minnesota	4,650	4,761	-2.3%	4,650	4,761	0	0	0	0	0	0
Missouri	2,857	4,471	-36.1%	2,857	4,471	0	0	0	0	0	0
Nebraska	2,843	2,841	0.1%	2,843	2,841	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	78,929	73,942	6.7%	73,490	68,952	5,439	4,990	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	9,346	7,206	29.7%	9,346	7,206	0	0	0	0	0	0
Georgia	12,863	13,886	-7.4%	12,863	13,886	0	0	0	0	0	0
Maryland	5,439	4,990	9.0%	0	0	5,439	4,990	0	0	0	0
North Carolina	15,147	16,129	-6.1%	15,147	16,129	0	0	0	0	0	0
South Carolina	23,984	20,435	17.4%	23,984	20,435	0	0	0	0	0	0
Virginia	12,150	11,296	7.6%	12,150	11,296	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	32,407	29,248	10.8%	32,407	29,248	0	0	0	0	0	0
Alabama	15,716	16,452	-4.5%	15,716	16,452	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	4,433	1,409	214.6%	4,433	1,409	0	0	0	0	0	0
Tennessee	12,258	11,386	7.7%	12,258	11,386	0	0	0	0	0	0
West South Central	24,903	28,914	-13.9%	10,694	14,079	14,208	14,835	0	0	0	0
Arkansas	4,561	6,751	-32.4%	4,561	6,751	0	0	0	0	0	0
Louisiana	6,133	7,329	-16.3%	6,133	7,329	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	14,208	14,835	-4.2%	0	0	14,208	14,835	0	0	0	0
Mountain	13,311	13,302	0.1%	13,311	13,302	0	0	0	0	0	0
Arizona	13,311	13,302	0.1%	13,311	13,302	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	10,238	11,615	-11.9%	10,238	11,615	0	0	0	0	0	0
California	6,765	7,874	-14.1%	6,765	7,874	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	3,473	3,742	-7.2%	3,473	3,742	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	315,452	315,909	-0.1%	161,286	161,255	154,166	154,654	0	0	0	0

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	795	681	16.7%	116	94	637	517	NM	NM	41	69
Connecticut	52	NM	NM	NM	NM	47	NM	0	0	0	0
Maine	351	297	18.4%	0	0	314	230	0	0	38	67
Massachusetts	111	92	20.0%	NM	NM	78	73	NM	NM	NM	NM
New Hampshire	148	157	-5.9%	36	39	112	117	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	133	97	36.5%	45	NM	86	63	0	0	NM	NM
Middle Atlantic	2,326	2,384	-2.4%	1,715	1,908	604	471	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	2,086	2,113	-1.3%	1,626	1,766	454	342	NM	NM	NM	NM
Pennsylvania	236	269	-12.3%	89	142	146	127	0	0	0	0
East North Central	418	434	-3.6%	374	389	NM	NM	NM	NM	NM	NM
Illinois	NM	NM	NM	NM	NM	NM	NM	NM	0	0	0
Indiana	42	35	19.7%	42	35	0	0	0	0	0	0
Michigan	124	144	-14.2%	110	131	NM	NM	0	0	NM	NM
Ohio	51	24	109.2%	51	24	0	0	0	0	0	0
Wisconsin	189	220	-14.1%	167	195	NM	NM	NM	NM	NM	NM
West North Central	972	1,159	-16.2%	943	1,124	NM	NM	0	0	NM	NM
Iowa	81	86	-6.2%	80	85	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	NM	83	NM	NM	51	NM	NM	0	0	NM	NM
Missouri	221	107	107.3%	221	107	0	0	0	0	0	0
Nebraska	145	162	-10.4%	145	162	0	0	0	0	0	0
North Dakota	177	243	-27.0%	177	243	0	0	0	0	0	0
South Dakota	301	477	-37.0%	299	477	NM	0	0	0	0	0
South Atlantic	1,703	1,112	53.2%	1,352	755	206	284	NM	NM	143	72
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	353	196	80.3%	350	194	NM	NM	0	0	NM	NM
Maryland	136	230	-41.1%	0	0	136	230	0	0	0	0
North Carolina	636	299	112.3%	557	297	NM	NM	NM	NM	73	NM
South Carolina	245	125	96.4%	239	122	NM	NM	NM	0	0	0
Virginia	153	105	45.7%	145	100	NM	NM	0	0	NM	NM
West Virginia	161	144	12.0%	NM	NM	52	44	0	0	68	70
East South Central	2,693	791	240.7%	2,591	790	NM	NM	0	0	101	0
Alabama	1,327	267	397.3%	1,327	267	0	0	0	0	0	0
Kentucky	315	110	187.7%	315	109	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1,051	414	153.8%	950	414	0	0	0	0	101	0
West South Central	790	498	58.8%	655	405	135	93	0	0	0	0
Arkansas	275	219	25.9%	271	216	NM	NM	0	0	0	0
Louisiana	127	87	45.4%	0	0	127	87	0	0	0	0
Oklahoma	283	144	97.3%	283	144	0	0	0	0	0	0
Texas	105	48	117.8%	101	45	NM	NM	0	0	0	0
Mountain	3,696	3,963	-6.7%	3,186	3,412	510	551	0	0	0	0
Arizona	527	635	-17.0%	527	635	0	0	0	0	0	0
Colorado	189	220	-13.9%	174	200	NM	NM	0	0	0	0
Idaho	1,132	1,310	-13.6%	1,039	1,184	93	126	0	0	0	0
Montana	1,342	1,280	4.8%	948	882	394	398	0	0	0	0
Nevada	303	234	29.5%	297	229	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	109	123	-11.0%	108	121	NM	NM	0	0	0	0
Wyoming	75	139	-45.6%	75	138	NM	NM	0	0	0	0
Pacific Contiguous	15,038	17,387	-13.5%	14,846	17,147	191	239	NM	NM	NM	NM
California	2,689	3,348	-19.7%	2,548	3,164	140	184	NM	NM	0	0
Oregon	3,531	4,227	-16.5%	3,506	4,198	NM	29	0	0	0	0
Washington	8,818	9,812	-10.1%	8,792	9,785	NM	NM	0	0	NM	NM
Pacific Noncontiguous	123	135	-8.9%	116	127	2	2	0	0	NM	NM
Alaska	114	125	-8.7%	114	125	0	0	0	0	0	0
Hawaii	NM	NM	NM	NM	NM	2	2	0	0	NM	NM
U.S. Total	28,553	28,542	0.0%	25,894	26,152	2,334	2,204	NM	NM	319	182

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	3,827	3,705	3.3%	554	506	2,999	2,872	NM	NM	271	324
Connecticut	251	240	4.4%	NM	NM	228	218	0	0	0	0
Maine	1,731	1,666	3.9%	0	0	1,476	1,357	0	0	255	309
Massachusetts	523	510	2.5%	141	118	376	387	NM	NM	NM	NM
New Hampshire	680	677	0.5%	177	166	501	508	0	0	NM	NM
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	638	609	4.8%	213	199	414	400	0	0	NM	NM
Middle Atlantic	11,871	13,365	-11.2%	8,910	10,546	2,926	2,784	NM	NM	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	10,551	12,086	-12.7%	8,299	9,935	2,216	2,117	NM	NM	NM	NM
Pennsylvania	1,304	1,265	3.1%	611	611	692	654	0	0	0	0
East North Central	1,699	1,851	-8.2%	1,518	1,661	110	112	NM	NM	65	72
Illinois	57	56	1.9%	NM	NM	35	36	NM	0	0	0
Indiana	178	178	0.3%	178	178	0	0	0	0	0	0
Michigan	506	579	-12.7%	450	526	45	42	0	0	NM	NM
Ohio	189	151	25.5%	189	151	0	0	0	0	0	0
Wisconsin	769	888	-13.4%	679	787	NM	NM	NM	NM	55	61
West North Central	4,054	5,165	-21.5%	3,942	5,026	84	90	0	0	NM	50
Iowa	326	355	-8.0%	323	351	NM	NM	0	0	0	0
Kansas	NM	NM	NM	0	0	NM	NM	0	0	0	0
Minnesota	253	330	-23.4%	153	200	72	80	0	0	NM	50
Missouri	572	563	1.7%	572	563	0	0	0	0	0	0
Nebraska	589	658	-10.5%	589	658	0	0	0	0	0	0
North Dakota	854	1,072	-20.3%	854	1,072	0	0	0	0	0	0
South Dakota	1,453	2,182	-33.4%	1,451	2,182	NM	0	0	0	0	0
South Atlantic	7,326	5,759	27.2%	5,564	4,132	1,041	1,262	NM	NM	714	361
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	87	78	11.4%	87	78	0	0	0	0	0	0
Georgia	1,387	1,038	33.7%	1,373	1,025	NM	NM	0	0	NM	NM
Maryland	743	974	-23.7%	0	0	743	974	0	0	0	0
North Carolina	2,787	1,716	62.4%	2,394	1,700	NM	NM	NM	NM	370	NM
South Carolina	981	675	45.3%	956	656	NM	NM	NM	NM	0	0
Virginia	589	511	15.2%	551	477	NM	NM	0	0	NM	NM
West Virginia	753	768	-1.9%	203	195	221	227	0	0	329	346
East South Central	12,744	8,753	45.6%	12,289	8,749	NM	NM	0	0	451	0
Alabama	6,191	3,822	62.0%	6,191	3,822	0	0	0	0	0	0
Kentucky	1,539	1,215	26.7%	1,535	1,211	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	5,013	3,716	34.9%	4,562	3,716	0	0	0	0	451	0
West South Central	2,740	3,154	-13.1%	2,179	2,597	561	557	0	0	0	0
Arkansas	964	1,530	-37.0%	943	1,511	NM	NM	0	0	0	0
Louisiana	522	521	0.1%	0	0	522	521	0	0	0	0
Oklahoma	830	835	-0.6%	830	835	0	0	0	0	0	0
Texas	424	268	58.3%	406	251	NM	NM	0	0	0	0
Mountain	14,051	15,901	-11.6%	12,135	13,790	1,916	2,111	0	0	0	0
Arizona	2,606	3,146	-17.2%	2,606	3,146	0	0	0	0	0	0
Colorado	812	853	-4.8%	746	775	67	78	0	0	0	0
Idaho	4,384	5,292	-17.2%	4,108	4,887	276	405	0	0	0	0
Montana	4,284	4,619	-7.2%	2,742	3,019	1,542	1,600	0	0	0	0
Nevada	1,228	1,069	14.9%	1,205	1,051	NM	NM	0	0	0	0
New Mexico	75	90	-17.5%	75	90	0	0	0	0	0	0
Utah	443	498	-10.9%	439	492	NM	NM	0	0	0	0
Wyoming	218	333	-34.7%	214	329	NM	NM	0	0	0	0
Pacific Contiguous	60,612	65,860	-8.0%	59,916	65,168	693	689	NM	NM	NM	NM
California	9,908	9,382	5.6%	9,433	8,929	473	451	NM	NM	0	0
Oregon	15,924	18,197	-12.5%	15,813	18,072	112	126	0	0	0	0
Washington	34,780	38,281	-9.1%	34,670	38,168	108	112	0	0	NM	NM
Pacific Noncontiguous	583	655	-11.0%	554	621	9	14	0	0	NM	NM
Alaska	547	613	-10.8%	547	613	0	0	0	0	0	0
Hawaii	NM	42	NM	NM	NM	9	14	0	0	NM	NM
U.S. Total	119,507	124,168	-3.8%	107,559	112,796	10,344	10,495	NM	NM	1,583	859

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	714	655	9.1%	74	62	489	441	NM	10	140	142
Connecticut	61	61	0.6%	0	0	61	61	0	0	0	0
Maine	295	305	-3.4%	0	0	181	154	NM	9	105	142
Massachusetts	163	111	46.0%	NM	NM	120	104	NM	NM	35	0
New Hampshire	120	122	-1.4%	29	32	91	90	0	0	0	0
Rhode Island	NM	11	NM	0	0	NM	11	0	0	0	0
Vermont	64	45	42.9%	39	23	25	21	NM	NM	0	0
Middle Atlantic	1,090	812	34.2%	NM	NM	973	697	48	45	63	62
New Jersey	124	126	-1.7%	NM	NM	99	94	18	24	NM	NM
New York	469	355	32.1%	0	0	428	323	NM	10	23	21
Pennsylvania	497	331	50.2%	0	0	446	280	11	11	40	40
East North Central	2,021	1,616	25.1%	205	158	1,667	1,301	19	20	129	138
Illinois	830	704	17.8%	NM	NM	829	703	0	NM	0	0
Indiana	357	242	47.6%	27	26	326	212	NM	2	NM	2
Michigan	396	281	40.8%	70	24	265	189	16	16	46	52
Ohio	161	116	38.7%	NM	NM	129	81	NM	0	29	33
Wisconsin	277	272	1.8%	104	104	119	116	NM	1	53	51
West North Central	4,293	3,597	19.3%	1,340	1,186	2,911	2,367	NM	7	35	37
Iowa	1,461	1,323	10.5%	798	708	660	609	NM	3	1	2
Kansas	875	430	103.5%	89	92	786	338	0	0	0	0
Minnesota	914	859	6.4%	206	189	671	633	NM	NM	34	34
Missouri	108	121	-11.2%	NM	3	104	118	0	0	NM	NM
Nebraska	161	109	47.1%	23	18	137	90	NM	1	0	0
North Dakota	537	483	11.2%	164	114	374	369	0	0	NM	NM
South Dakota	236	271	-13.0%	57	61	179	210	0	0	0	0
South Atlantic	1,534	1,387	10.5%	100	108	632	487	36	28	767	764
Delaware	NM	15	NM	0	NM	NM	14	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	406	400	1.4%	29	24	196	204	NM	3	178	169
Georgia	321	286	12.0%	0	0	49	13	NM	2	269	271
Maryland	80	62	28.3%	NM	NM	70	48	NM	6	6	9
North Carolina	206	195	5.3%	0	NM	115	94	NM	0	86	101
South Carolina	161	169	-4.7%	35	42	NM	2	0	0	123	125
Virginia	215	200	7.4%	35	42	55	53	20	16	105	89
West Virginia	134	59	125.8%	0	0	134	59	0	0	0	0
East South Central	493	516	-4.5%	NM	9	26	23	0	0	458	484
Alabama	245	269	-8.7%	NM	NM	17	19	0	0	228	249
Kentucky	29	35	-17.2%	NM	8	0	0	0	0	21	27
Mississippi	128	122	5.2%	0	0	0	0	0	0	128	122
Tennessee	90	91	-0.3%	0	0	NM	4	0	0	81	87
West South Central	5,558	4,104	35.4%	187	174	4,921	3,491	NM	4	446	435
Arkansas	137	143	-4.0%	0	0	NM	7	NM	NM	130	135
Louisiana	214	197	8.4%	0	0	NM	7	0	0	207	191
Oklahoma	1,091	751	45.3%	158	146	910	581	0	0	23	24
Texas	4,116	3,013	36.6%	30	28	3,998	2,896	NM	3	85	85
Mountain	2,208	1,895	16.5%	199	189	1,963	1,658	8	9	38	39
Arizona	224	145	53.9%	23	19	201	125	NM	NM	0	0
Colorado	607	500	21.4%	6	5	597	491	NM	NM	NM	NM
Idaho	268	201	33.2%	10	0	221	163	0	0	37	38
Montana	133	99	34.6%	7	8	126	90	0	0	0	0
Nevada	341	286	19.3%	0	0	337	281	NM	5	NM	NM
New Mexico	247	234	5.9%	NM	0	242	233	NM	NM	0	0
Utah	77	114	-32.2%	5	23	72	91	0	0	0	0
Wyoming	311	316	-1.6%	143	133	168	183	0	0	0	0
Pacific Contiguous	5,249	4,547	15.5%	640	727	4,336	3,561	97	95	176	163
California	3,759	3,098	21.3%	219	199	3,387	2,748	95	93	58	57
Oregon	775	668	16.0%	141	164	600	484	NM	2	32	18
Washington	716	780	-8.3%	281	363	349	329	0	0	86	88
Pacific Noncontiguous	102	87	17.1%	5	NM	74	58	14	16	NM	10
Alaska	12	NM	NM	NM	NM	10	0	0	0	NM	NM
Hawaii	90	85	5.0%	3	2	64	58	14	16	NM	10
U.S. Total	23,261	19,216	21.1%	2,766	2,622	17,994	14,086	242	234	2,260	2,273

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	3,816	3,520	8.4%	343	255	2,581	2,437	54	51	837	777
Connecticut	275	291	-5.4%	0	0	275	291	0	0	0	0
Maine	1,755	1,846	-4.9%	0	0	1,089	1,026	45	43	620	777
Massachusetts	810	544	48.9%	30	33	555	504	8	7	216	0
New Hampshire	623	582	7.1%	141	134	482	448	0	0	NM	0
Rhode Island	52	54	-3.7%	0	0	52	54	0	0	0	0
Vermont	302	205	47.4%	172	89	129	115	NM	NM	0	0
Middle Atlantic	5,793	4,899	18.3%	20	19	5,249	4,354	232	217	293	308
New Jersey	532	508	4.7%	20	19	423	373	88	114	NM	NM
New York	2,545	2,366	7.6%	0	0	2,350	2,205	92	50	103	111
Pennsylvania	2,717	2,025	34.1%	0	0	2,476	1,776	52	53	189	196
East North Central	11,472	9,618	19.3%	1,160	853	9,555	7,968	79	87	680	709
Illinois	5,120	4,074	25.7%	7	7	5,113	4,067	0	NM	0	0
Indiana	1,923	1,838	4.6%	120	126	1,785	1,693	NM	9	NM	9
Michigan	2,078	1,468	41.6%	427	135	1,343	993	62	72	245	267
Ohio	856	786	8.9%	12	8	692	614	NM	0	150	164
Wisconsin	1,496	1,453	3.0%	593	576	621	600	NM	6	276	270
West North Central	20,846	18,031	15.6%	6,679	5,772	13,928	12,024	34	35	206	200
Iowa	7,401	6,655	11.2%	4,131	3,482	3,253	3,153	NM	14	3	6
Kansas	3,985	1,933	106.2%	360	421	3,625	1,511	0	0	0	0
Minnesota	4,364	4,278	2.0%	1,000	837	3,149	3,238	14	15	201	189
Missouri	596	635	-6.0%	14	14	581	619	0	0	NM	NM
Nebraska	791	586	35.1%	117	111	668	469	NM	6	0	0
North Dakota	2,493	2,585	-3.5%	779	602	1,713	1,979	0	0	NM	4
South Dakota	1,216	1,360	-10.6%	279	305	938	1,055	0	0	0	0
South Atlantic	7,316	7,172	2.0%	434	452	2,943	2,762	163	136	3,776	3,821
Delaware	49	63	-22.8%	NM	NM	45	59	NM	NM	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,933	1,942	-0.5%	107	100	937	982	16	16	873	845
Georgia	1,382	1,358	1.7%	0	0	116	65	NM	11	1,253	1,283
Maryland	410	365	12.5%	NM	NM	341	283	21	27	47	54
North Carolina	1,059	979	8.2%	NM	NM	497	444	16	0	546	535
South Carolina	796	934	-14.8%	185	213	NM	9	0	0	603	712
Virginia	910	858	6.1%	140	138	222	247	94	80	454	392
West Virginia	777	673	15.4%	0	0	777	673	0	0	0	0
East South Central	2,380	2,483	-4.1%	39	41	117	115	0	0	2,224	2,327
Alabama	1,253	1,322	-5.2%	NM	NM	80	81	0	0	1,173	1,241
Kentucky	139	129	7.5%	39	41	0	0	0	0	100	89
Mississippi	581	610	-4.8%	0	0	0	0	0	0	581	610
Tennessee	407	421	-3.5%	0	0	37	34	0	0	370	387
West South Central	24,263	20,468	18.5%	830	820	21,236	17,526	18	18	2,178	2,105
Arkansas	687	705	-2.6%	0	0	31	37	NM	NM	653	666
Louisiana	1,026	941	9.0%	0	0	30	32	0	0	996	910
Oklahoma	4,749	3,500	35.7%	699	686	3,932	2,693	0	0	118	121
Texas	17,800	15,321	16.2%	131	134	17,242	14,764	NM	16	411	408
Mountain	11,633	10,020	16.1%	1,283	1,197	10,154	8,627	27	27	169	169
Arizona	930	427	118.0%	83	60	844	363	NM	NM	0	0
Colorado	3,295	2,925	12.7%	37	33	3,247	2,882	9	8	NM	NM
Idaho	1,412	1,065	32.6%	55	0	1,191	898	0	0	167	167
Montana	743	573	29.7%	43	46	700	527	0	0	0	0
Nevada	1,602	1,226	30.8%	0	0	1,589	1,212	13	13	NM	NM
New Mexico	1,214	1,168	4.0%	NM	0	1,207	1,166	NM	NM	0	0
Utah	335	480	-30.3%	90	112	245	368	0	0	0	0
Wyoming	2,101	2,156	-2.6%	970	945	1,131	1,211	0	0	0	0
Pacific Contiguous	22,578	19,210	17.5%	3,245	3,075	17,892	14,778	475	461	965	895
California	14,850	12,646	17.4%	860	783	13,235	11,125	465	451	291	288
Oregon	3,734	2,797	33.5%	630	594	2,906	2,065	NM	10	188	127
Washington	3,995	3,767	6.0%	1,756	1,698	1,752	1,588	0	0	487	480
Pacific Noncontiguous	472	387	21.9%	22	12	332	264	73	64	45	48
Alaska	47	8	459.2%	10	7	36	0	0	0	NM	NM
Hawaii	425	379	12.2%	11	5	296	264	73	64	45	47
U.S. Total	110,570	95,808	15.4%	14,055	12,497	83,986	70,855	1,156	1,097	11,372	11,360

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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, May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	-33	-40	-16.8%	0	0	-33	-40	0	0	0	0
Connecticut	0	1	-83.0%	0	0	0	1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-33	-41	-18.4%	0	0	-33	-41	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	-60	-49	21.4%	-18	-9	-41	-40	0	0	0	0
New Jersey	-17	-5	231.2%	-17	-5	0	0	0	0	0	0
New York	-2	-4	-58.6%	-2	-4	0	0	0	0	0	0
Pennsylvania	-41	-40	3.5%	0	0	-41	-40	0	0	0	0
East North Central	-77	-73	6.1%	-77	-73	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	-77	-73	6.1%	-77	-73	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	78	33	141.3%	78	33	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	78	33	141.3%	78	33	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	-217	-280	-22.3%	-217	-280	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	-38	-71	-46.4%	-38	-71	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	-94	-71	31.4%	-94	-71	0	0	0	0	0	0
Virginia	-86	-138	-37.9%	-86	-138	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	-25	-100.0%	0	-25	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	-25	-100.0%	0	-25	0	0	0	0	0	0
West South Central	-8	-10	-25.0%	-8	-10	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	-8	-10	-20.9%	-8	-10	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-26	-12	112.0%	-26	-12	0	0	0	0	0	0
Arizona	2	11	-82.2%	2	11	0	0	0	0	0	0
Colorado	-28	-23	21.0%	-28	-23	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	16	113	-85.9%	16	113	0	0	0	0	0	0
California	16	112	-85.3%	16	112	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	-1	1	-136.9%	-1	1	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-326	-343	-5.1%	-252	-264	-74	-80	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 1.15.B. Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, Year-to-Date through May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	-85	-85	0.4%	0	0	-85	-85	0	0	0	0
Connecticut	-7	-1	NM	0	0	-7	-1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-78	-84	-7.1%	0	0	-78	-84	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	-301	-226	33.1%	-128	-63	-174	-164	0	0	0	0
New Jersey	-69	-36	89.2%	-69	-36	0	0	0	0	0	0
New York	-59	-26	123.4%	-59	-26	0	0	0	0	0	0
Pennsylvania	-174	-164	6.0%	0	0	-174	-164	0	0	0	0
East North Central	-311	-246	26.4%	-311	-246	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	-311	-246	26.4%	-311	-246	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	172	111	54.6%	172	111	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	172	111	54.6%	172	111	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	-978	-1,077	-9.1%	-978	-1,077	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	-235	-298	-21.1%	-235	-298	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	-273	-292	-6.3%	-273	-292	0	0	0	0	0	0
Virginia	-470	-487	-3.5%	-470	-487	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-21	-143	-85.4%	-21	-143	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	-21	-143	-85.4%	-21	-143	0	0	0	0	0	0
West South Central	-29	-5	519.3%	-29	-5	0	0	0	0	0	0
Arkansas	7	30	-76.2%	7	30	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-37	-34	6.3%	-37	-34	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-75	-83	-8.9%	-75	-83	0	0	0	0	0	0
Arizona	4	16	-72.6%	4	16	0	0	0	0	0	0
Colorado	-80	-99	-19.2%	-80	-99	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	-35	343	-110.3%	-35	343	0	0	0	0	0	0
California	-41	321	-112.8%	-41	321	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	6	21	-72.8%	6	21	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	-1,665	-1,410	18.1%	-1,406	-1,162	-258	-248	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, May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	177	180	-1.6%	0	0	169	169	6	8	2	2
Connecticut	70	68	3.8%	0	0	70	68	0	0	NM	NM
Maine	21	30	-30.0%	0	0	15	20	6	8	0	2
Massachusetts	80	76	4.5%	0	0	78	76	0	0	2	0
New Hampshire	6	6	1.0%	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	194	201	-3.5%	0	0	161	172	33	30	0	0
New Jersey	44	47	-5.9%	0	0	34	36	10	11	0	0
New York	79	81	-1.8%	0	0	65	71	14	9	0	0
Pennsylvania	71	74	-3.9%	0	0	61	64	10	9	0	0
East North Central	70	95	-26.8%	15	7	14	14	15	17	26	58
Illinois	18	21	-13.7%	0	0	0	0	0	0	18	21
Indiana	15	36	-59.0%	11	3	0	0	NM	NM	2	32
Michigan	29	33	-12.1%	0	2	14	14	13	15	2	2
Ohio	1	1	-9.3%	0	0	0	0	0	0	1	1
Wisconsin	7	4	76.3%	4	2	0	0	NM	NM	NM	NM
West North Central	39	36	8.8%	21	21	14	10	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	35	31	14.3%	16	16	14	10	NM	NM	NM	NM
Missouri	0	2	-74.0%	0	2	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	4	4	3.1%	4	4	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	348	355	-2.1%	0	0	192	192	17	15	139	148
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	258	268	-3.6%	0	0	130	129	0	0	128	139
Georgia	7	4	68.6%	0	0	0	0	0	0	7	4
Maryland	26	28	-5.1%	0	0	26	28	NM	NM	0	0
North Carolina	9	10	-6.2%	0	0	9	10	0	0	0	0
South Carolina	4	5	-19.4%	0	0	0	0	0	0	4	5
Virginia	43	41	5.4%	0	0	26	26	17	15	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	NM	NM	NM	0	1	0	0	0	0	NM	NM
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	1	-100.0%	0	1	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	0	0	58.3%	0	0	0	0	0	0	0	0
West South Central	71	68	4.3%	0	0	0	0	0	0	71	68
Arkansas	1	3	-57.9%	0	0	0	0	0	0	1	3
Louisiana	37	30	21.0%	0	0	0	0	0	0	37	30
Oklahoma	NM	NM	NM	0	0	0	0	0	0	NM	NM
Texas	31	34	-6.2%	0	0	0	0	0	0	31	34
Mountain	49	41	19.6%	4	4	29	34	0	0	16	NM
Arizona	0	4	-100.0%	0	0	0	4	0	0	0	0
Colorado	5	5	-14.1%	0	0	NM	NM	0	0	NM	NM
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	27	28	-3.0%	0	0	27	28	0	0	0	0
Nevada	4	4	2.5%	4	4	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	14	NM	NM	0	0	NM	NM	0	0	13	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	56	74	-23.8%	0	0	29	27	0	0	27	47
California	41	58	-29.5%	0	0	18	16	0	0	23	42
Oregon	4	4	1.3%	0	0	4	4	0	0	0	0
Washington	11	12	-4.2%	0	0	7	7	0	0	4	5
Pacific Noncontiguous	13	15	-12.5%	0	0	0	0	13	15	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	13	15	-12.5%	0	0	0	0	13	15	0	0
U.S. Total	1,018	1,066	-4.6%	39	32	608	617	87	87	283	330

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	806	893	-9.7%	0	0	762	843	35	38	9	13
Connecticut	310	330	-6.1%	0	0	309	329	0	0	NM	NM
Maine	104	163	-36.4%	0	0	69	113	35	38	0	13
Massachusetts	365	371	-1.6%	0	0	357	371	0	0	9	0
New Hampshire	27	29	-4.5%	0	0	27	29	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	918	969	-5.2%	0	0	741	819	177	150	0	0
New Jersey	211	222	-4.9%	0	0	152	161	59	61	0	0
New York	348	370	-5.9%	0	0	273	326	75	43	0	0
Pennsylvania	359	377	-4.7%	0	0	316	332	43	45	0	0
East North Central	418	408	2.6%	59	49	65	66	60	72	234	221
Illinois	97	97	-0.8%	0	0	0	0	0	0	97	97
Indiana	160	131	22.0%	41	28	0	0	7	7	112	96
Michigan	129	151	-14.7%	3	7	65	66	53	65	8	13
Ohio	5	5	0.6%	0	0	0	0	0	0	5	5
Wisconsin	28	23	20.5%	15	14	0	0	NM	NM	13	9
West North Central	182	164	10.9%	93	92	64	47	11	10	15	15
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	157	139	13.5%	68	67	64	47	11	10	15	15
Missouri	7	8	-4.6%	7	8	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	17	17	-2.9%	17	17	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,625	1,647	-1.3%	0	0	875	907	80	75	670	665
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	1,223	1,261	-3.0%	0	0	610	637	0	0	612	624
Georgia	22	18	20.4%	0	0	0	0	0	0	22	18
Maryland	121	109	11.4%	0	0	121	108	NM	NM	0	0
North Carolina	47	44	5.4%	0	0	47	44	0	0	0	0
South Carolina	36	23	55.7%	0	0	0	0	0	0	36	23
Virginia	177	192	-8.0%	0	0	97	117	80	74	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7	3	152.1%	5	1	0	0	0	0	NM	NM
Alabama	0	0	NM	0	0	0	0	0	0	0	0
Kentucky	5	1	258.0%	5	1	0	0	0	0	0	0
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	0	0	-24.4%	0	0	0	0	0	0	0	0
West South Central	337	296	14.0%	0	0	0	0	0	0	337	296
Arkansas	11	15	-27.6%	0	0	0	0	0	0	11	15
Louisiana	161	123	30.7%	0	0	0	0	0	0	161	123
Oklahoma	NM	NM	NM	0	0	0	0	0	0	NM	NM
Texas	161	155	3.8%	0	0	0	0	0	0	161	155
Mountain	250	241	3.8%	17	18	154	163	0	0	79	61
Arizona	3	12	-72.5%	0	0	3	12	0	0	0	0
Colorado	24	26	-6.4%	0	0	7	8	0	0	17	18
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	141	141	0.3%	0	0	141	141	0	0	0	0
Nevada	17	18	-4.7%	17	18	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	64	44	45.2%	0	0	NM	NM	0	0	63	42
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	318	371	-14.3%	0	0	140	136	0	0	178	235
California	244	284	-14.1%	0	0	91	84	0	0	153	199
Oregon	18	19	-4.5%	0	0	18	19	0	0	0	0
Washington	56	69	-17.9%	0	0	32	33	0	0	25	36
Pacific Noncontiguous	70	61	14.9%	0	0	0	0	70	61	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	70	61	14.9%	0	0	0	0	70	61	0	0
U.S. Total	4,932	5,052	-2.4%	173	160	2,800	2,981	434	405	1,525	1,507

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	140	94	49.1%	16	NM	123	87	NM	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	74	51	45.9%	0	0	74	51	0	0	0	0
Massachusetts	14	NM	NM	NM	NM	8	NM	NM	NM	0	0
New Hampshire	31	29	6.5%	0	0	31	29	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	21	7	191.1%	11	1	10	7	0	0	0	0
Middle Atlantic	580	308	88.3%	0	0	579	307	0	0	NM	NM
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	283	173	63.1%	0	0	282	172	0	0	NM	NM
Pennsylvania	296	133	121.6%	0	0	296	133	0	0	0	0
East North Central	1,524	1,120	36.1%	154	107	1,368	1,011	NM	NM	NM	NM
Illinois	766	645	18.8%	NM	NM	765	644	0	0	0	0
Indiana	326	212	53.9%	0	0	326	212	NM	NM	0	0
Michigan	195	77	151.4%	70	24	125	53	0	0	0	0
Ohio	101	52	95.3%	NM	NM	97	49	0	0	NM	NM
Wisconsin	136	134	1.6%	82	81	55	53	0	0	0	0
West North Central	4,121	3,427	20.2%	1,296	1,144	2,823	2,281	NM	NM	0	0
Iowa	1,447	1,308	10.7%	795	706	652	602	NM	NM	0	0
Kansas	870	425	104.7%	89	92	781	333	0	0	0	0
Minnesota	773	721	7.2%	173	158	598	561	NM	NM	0	0
Missouri	102	116	-11.7%	0	0	102	116	0	0	0	0
Nebraska	155	104	49.8%	18	14	137	90	0	0	0	0
North Dakota	537	483	11.3%	164	114	374	369	0	0	0	0
South Dakota	236	271	-13.0%	57	61	179	210	0	0	0	0
South Atlantic	167	75	122.5%	0	0	167	75	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	33	15	113.1%	0	0	33	15	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	134	59	125.8%	0	0	134	59	0	0	0	0
East South Central	4	2	108.4%	0	0	4	2	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	4	2	108.4%	0	0	4	2	0	0	0	0
West South Central	5,034	3,591	40.2%	187	174	4,847	3,416	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1,068	727	47.0%	158	146	910	581	0	0	0	0
Texas	3,966	2,864	38.5%	30	28	3,937	2,836	0	0	0	0
Mountain	1,601	1,339	19.6%	166	146	1,433	1,191	NM	NM	NM	NM
Arizona	60	32	88.3%	0	0	60	32	0	0	0	0
Colorado	582	472	23.3%	6	5	574	465	NM	NM	NM	NM
Idaho	216	147	46.5%	10	0	206	147	0	0	0	0
Montana	133	99	34.6%	7	8	126	90	0	0	0	0
Nevada	29	0	--	0	0	29	0	0	0	0	0
New Mexico	210	194	8.4%	0	0	210	194	NM	NM	0	0
Utah	61	79	-23.2%	0	0	61	79	0	0	0	0
Wyoming	311	316	-1.6%	143	133	168	183	0	0	0	0
Pacific Contiguous	3,149	2,581	22.0%	511	600	2,638	1,981	NM	0	NM	0
California	1,842	1,284	43.4%	108	85	1,733	1,199	NM	0	NM	0
Oregon	697	619	12.7%	133	157	564	461	0	0	0	0
Washington	610	679	-10.1%	269	357	341	321	0	0	0	0
Pacific Noncontiguous	49	36	36.1%	NM	NM	47	34	0	0	0	0
Alaska	12	NM	NM	NM	NM	10	0	0	0	0	0
Hawaii	37	34	6.2%	0	0	37	34	0	0	0	0
U.S. Total	16,370	12,573	30.2%	2,333	2,179	14,027	10,386	7	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 May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	839	639	31.4%	76	35	755	598	8	NM	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	466	418	11.5%	0	0	466	418	0	0	0	0
Massachusetts	86	40	118.4%	26	29	52	NM	8	NM	0	0
New Hampshire	180	132	35.8%	0	0	180	132	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	106	47	124.7%	50	6	55	41	0	0	0	0
Middle Atlantic	3,465	2,522	37.4%	0	0	3,461	2,518	0	0	NM	NM
New Jersey	7	6	5.0%	0	0	7	6	0	0	0	0
New York	1,720	1,486	15.7%	0	0	1,716	1,482	0	0	NM	NM
Pennsylvania	1,738	1,029	68.9%	0	0	1,738	1,029	0	0	0	0
East North Central	9,129	7,223	26.4%	925	622	8,195	6,595	NM	NM	NM	NM
Illinois	4,839	3,792	27.6%	7	7	4,832	3,784	0	0	0	0
Indiana	1,784	1,694	5.3%	0	0	1,783	1,693	NM	NM	0	0
Michigan	1,138	486	134.3%	427	134	711	351	0	0	0	0
Ohio	571	485	17.8%	8	8	556	471	0	0	NM	NM
Wisconsin	797	767	3.9%	483	472	313	295	0	0	0	0
West North Central	20,014	17,199	16.4%	6,480	5,582	13,521	11,604	13	13	0	0
Iowa	7,339	6,588	11.4%	4,119	3,471	3,218	3,116	NM	NM	0	0
Kansas	3,961	1,907	107.7%	360	421	3,602	1,486	0	0	0	0
Minnesota	3,669	3,596	2.0%	847	694	2,811	2,890	11	12	0	0
Missouri	572	609	-6.1%	0	0	572	609	0	0	0	0
Nebraska	764	558	37.1%	96	88	668	469	0	0	0	0
North Dakota	2,492	2,581	-3.5%	779	602	1,713	1,979	0	0	0	0
South Dakota	1,216	1,360	-10.6%	279	305	938	1,055	0	0	0	0
South Atlantic	955	830	15.1%	0	0	953	828	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	176	154	14.0%	0	0	176	154	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	777	673	15.4%	0	0	777	673	0	0	0	0
East South Central	23	25	-7.7%	0	0	23	25	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	23	25	-7.7%	0	0	23	25	0	0	0	0
West South Central	21,737	18,014	20.7%	830	820	20,907	17,194	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	4,631	3,379	37.0%	699	686	3,932	2,693	0	0	0	0
Texas	17,106	14,635	16.9%	131	134	16,975	14,501	0	0	0	0
Mountain	8,822	7,891	11.8%	1,104	1,025	7,710	6,859	7	NM	NM	NM
Arizona	237	135	75.3%	0	0	237	135	0	0	0	0
Colorado	3,199	2,842	12.6%	36	33	3,156	2,803	NM	NM	NM	NM
Idaho	1,172	821	42.8%	55	0	1,117	821	0	0	0	0
Montana	743	573	29.7%	43	46	700	527	0	0	0	0
Nevada	108	0	--	0	0	108	0	0	0	0	0
New Mexico	1,070	1,050	1.9%	0	0	1,069	1,048	NM	NM	0	0
Utah	192	314	-38.9%	0	0	192	314	0	0	0	0
Wyoming	2,101	2,156	-2.6%	970	945	1,131	1,211	0	0	0	0
Pacific Contiguous	12,512	9,747	28.4%	2,552	2,428	9,958	7,319	NM	0	NM	0
California	5,865	4,077	43.9%	330	269	5,532	3,808	NM	0	NM	0
Oregon	3,308	2,524	31.1%	599	563	2,710	1,961	0	0	0	0
Washington	3,338	3,147	6.1%	1,623	1,596	1,716	1,550	0	0	0	0
Pacific Noncontiguous	228	161	41.6%	10	7	218	154	0	0	0	0
Alaska	46	7	548.9%	10	7	36	0	0	0	0	0
Hawaii	182	154	18.2%	0	0	182	154	0	0	0	0
U.S. Total	77,725	64,252	21.0%	11,977	10,519	65,701	53,694	32	28	15	12

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	563	557	1.0%	57	54	357	352	NM	NM	140	142
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	NM	254	NM	0	0	NM	104	NM	NM	NM	142
Massachusetts	139	NM	NM	0	0	NM	NM	0	0	35	0
New Hampshire	NM	93	NM	29	32	NM	61	0	0	0	0
Rhode Island	NM	11	NM	0	0	NM	11	0	0	0	0
Vermont	NM	37	NM	28	23	NM	NM	NM	NM	0	0
Middle Atlantic	450	448	0.4%	0	0	349	347	40	42	NM	NM
New Jersey	76	79	-4.2%	0	0	66	59	10	21	0	0
New York	181	177	2.4%	0	0	140	146	NM	10	22	20
Pennsylvania	193	192	0.6%	0	0	143	142	11	11	NM	NM
East North Central	484	489	-0.8%	49	50	289	282	NM	NM	NM	137
Illinois	57	57	0.1%	0	0	57	57	0	NM	0	0
Indiana	30	30	0.6%	27	26	0	0	NM	2	NM	2
Michigan	202	204	-1.2%	0	NM	140	135	NM	NM	NM	52
Ohio	54	59	-7.8%	0	0	NM	NM	0	0	NM	32
Wisconsin	141	138	1.9%	NM	24	64	63	NM	NM	NM	51
West North Central	171	170	0.7%	44	42	88	87	NM	5	NM	37
Iowa	NM	15	NM	NM	2	NM	8	NM	3	1	2
Kansas	NM	5	NM	0	0	NM	5	0	0	0	0
Minnesota	141	138	1.9%	33	32	73	72	NM	NM	NM	34
Missouri	NM	NM	NM	NM	3	NM	2	0	0	NM	NM
Nebraska	NM	6	NM	NM	5	0	0	NM	1	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,298	1,274	1.9%	79	90	423	393	NM	NM	767	764
Delaware	NM	11	NM	0	0	NM	11	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	379	375	1.1%	9	7	190	196	NM	3	178	169
Georgia	320	286	12.0%	0	0	NM	NM	NM	2	269	271
Maryland	41	46	-9.4%	NM	NM	32	32	NM	NM	6	9
North Carolina	176	187	-6.2%	0	0	90	86	0	0	86	101
South Carolina	NM	169	NM	NM	42	NM	2	0	0	123	125
Virginia	215	200	7.4%	35	42	55	53	20	16	105	89
West Virginia	0	0	-100.0%	0	0	0	0	0	0	0	0
East South Central	NM	514	NM	NM	9	NM	21	0	0	NM	484
Alabama	NM	269	NM	NM	NM	17	19	0	0	NM	249
Kentucky	NM	35	NM	NM	8	0	0	0	0	21	27
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	NM	88	NM	0	0	NM	2	0	0	NM	87
West South Central	507	497	2.0%	0	0	58	59	NM	4	NM	435
Arkansas	NM	143	NM	0	0	NM	7	NM	NM	130	135
Louisiana	NM	197	NM	0	0	NM	7	0	0	207	NM
Oklahoma	NM	24	NM	0	0	0	0	0	0	NM	24
Texas	133	132	0.1%	0	0	45	44	NM	3	NM	85
Mountain	NM	76	NM	NM	2	NM	35	0	NM	NM	NM
Arizona	NM	18	NM	NM	2	NM	15	0	NM	0	0
Colorado	NM	5	NM	0	0	NM	5	0	0	0	0
Idaho	NM	47	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	NM	5	NM	0	0	NM	5	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	685	657	4.2%	35	33	387	371	88	90	NM	163
California	515	508	1.6%	17	21	355	341	86	88	57	57
Oregon	64	48	33.9%	NM	6	NM	NM	NM	2	32	18
Washington	NM	102	NM	NM	6	NM	8	0	0	NM	88
Pacific Noncontiguous	26	27	-5.2%	3	2	0	0	14	16	NM	10
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	26	27	-4.8%	3	2	0	0	14	16	NM	10
U.S. Total	4,731	4,710	0.4%	279	282	1,991	1,947	NM	NM	2,255	2,269

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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 May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	2,939	2,872	2.3%	263	216	1,793	1,834	NM	NM	837	777
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	1,289	1,428	-9.7%	0	0	623	608	NM	NM	620	777
Massachusetts	692	497	39.3%	0	0	476	495	0	NM	216	0
New Hampshire	443	449	-1.4%	141	134	302	316	0	0	NM	0
Rhode Island	50	52	-4.6%	0	0	50	52	0	0	0	0
Vermont	191	156	22.4%	122	83	68	72	NM	NM	0	0
Middle Atlantic	2,115	2,217	-4.6%	0	0	1,623	1,709	208	209	NM	NM
New Jersey	361	378	-4.5%	0	0	297	271	64	107	0	0
New York	803	856	-6.2%	0	0	612	700	92	49	99	107
Pennsylvania	951	984	-3.3%	0	0	714	738	52	53	NM	NM
East North Central	2,301	2,376	-3.2%	230	231	1,323	1,355	NM	NM	672	704
Illinois	259	277	-6.7%	0	0	259	277	0	NM	0	0
Indiana	137	143	-4.4%	120	126	0	0	NM	8	NM	9
Michigan	939	982	-4.3%	NM	NM	632	642	NM	NM	NM	267
Ohio	267	288	-7.3%	0	0	124	130	0	0	NM	158
Wisconsin	699	686	1.9%	110	104	307	306	NM	NM	NM	270
West North Central	831	832	-0.1%	199	190	405	420	21	22	206	200
Iowa	62	67	-7.3%	12	11	35	37	NM	13	3	6
Kansas	24	25	-5.4%	0	0	24	25	0	0	0	0
Minnesota	693	683	1.5%	153	143	337	348	NM	4	NM	189
Missouri	NM	NM	NM	14	14	NM	10	0	0	NM	NM
Nebraska	26	28	-5.3%	21	22	0	0	NM	6	0	0
North Dakota	NM	4	NM	0	0	0	0	0	0	NM	4
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	6,126	6,218	-1.5%	361	379	1,850	1,885	139	132	3,776	3,821
Delaware	25	50	-49.9%	0	0	25	50	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,839	1,849	-0.5%	37	29	914	960	NM	16	873	845
Georgia	1,380	1,357	1.7%	0	0	116	65	NM	10	1,253	1,283
Maryland	212	206	2.7%	NM	NM	145	126	NM	26	47	54
North Carolina	964	963	0.1%	0	0	418	428	0	0	546	535
South Carolina	796	934	-14.8%	185	213	NM	9	0	0	603	712
Virginia	910	858	6.1%	140	138	222	247	94	80	454	392
West Virginia	0	0	-100.0%	0	0	0	0	0	0	0	0
East South Central	2,352	2,458	-4.3%	39	41	NM	90	0	0	2,224	2,327
Alabama	NM	1,322	NM	NM	NM	80	81	0	0	NM	1,241
Kentucky	139	129	7.5%	39	41	0	0	0	0	100	89
Mississippi	NM	NM	NM	0	0	0	0	0	0	NM	NM
Tennessee	378	396	-4.5%	0	0	NM	9	0	0	370	387
West South Central	2,462	2,414	2.0%	0	0	267	292	17	18	2,178	2,105
Arkansas	687	705	-2.6%	0	0	31	37	NM	NM	653	666
Louisiana	1,026	941	9.0%	0	0	30	32	0	0	996	NM
Oklahoma	118	121	-2.2%	0	0	0	0	0	0	118	121
Texas	631	647	-2.6%	0	0	205	223	NM	16	411	408
Mountain	318	352	-9.8%	NM	10	139	174	NM	NM	NM	167
Arizona	57	88	-34.7%	NM	10	NM	76	NM	NM	0	0
Colorado	27	27	2.4%	1	0	26	27	0	0	0	0
Idaho	206	210	-1.6%	0	0	40	43	0	0	NM	167
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	4	NM	0	0	NM	4	0	0	0	0
Utah	23	24	-4.4%	0	0	23	24	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	3,516	3,446	2.0%	243	232	1,865	1,871	445	447	962	895
California	2,515	2,556	-1.6%	83	101	1,711	1,731	434	437	288	288
Oregon	344	269	27.9%	28	30	118	102	NM	10	188	127
Washington	656	620	5.8%	132	102	36	38	0	0	487	480
Pacific Noncontiguous	130	117	11.4%	11	5	0	0	73	64	45	48
Alaska	NM	NM	NM	0	0	0	0	0	0	NM	NM
Hawaii	129	115	11.9%	11	5	0	0	73	64	45	47
U.S. Total	23,090	23,303	-0.9%	1,358	1,305	9,354	9,629	1,026	1,026	11,351	11,344

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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, May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 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	264	-5.0%	5	23	246	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	NM	7	NM	0	0	NM	7	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	234	228	2.5%	0	0	234	228	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	11	29	-62.4%	5	23	NM	6	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,119	1,134	-1.3%	61	73	1,058	1,061	0	0	0	0
California	1,109	1,134	-2.3%	61	73	1,047	1,061	0	0	0	0
Oregon	11	0	--	0	0	11	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	26	23	10.3%	0	0	26	23	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	26	23	10.3%	0	0	26	23	0	0	0	0
U.S. Total	1,396	1,422	-1.8%	67	97	1,330	1,325	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 May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 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	1,355	1,252	8.3%	90	112	1,266	1,140	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	34	34	-2.4%	0	0	34	34	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	1,203	1,076	11.8%	0	0	1,203	1,076	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	119	142	-16.3%	90	112	29	29	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,495	5,564	-1.2%	332	358	5,163	5,206	0	0	0	0
California	5,423	5,564	-2.5%	332	358	5,091	5,206	0	0	0	0
Oregon	72	0	--	0	0	72	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	108	108	0.0%	0	0	108	108	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	108	108	0.0%	0	0	108	108	0	0	0	0
U.S. Total	6,959	6,924	0.5%	422	470	6,537	6,454	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 1.20.A. Net Generation from Solar
by State, by Sector, May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	NM	NM	NM	NM	NM	NM	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	NM	NM	NM	NM	NM	NM	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	59	55	7.5%	NM	NM	45	43	NM	NM	NM	NM
New Jersey	46	45	2.3%	NM	NM	32	34	NM	NM	NM	NM
New York	5	5	8.2%	0	0	5	5	0	NM	0	0
Pennsylvania	NM	NM	NM	0	0	NM	NM	0	NM	NM	NM
East North Central	NM	7	NM	NM	NM	NM	7	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	69	38	79.3%	20	18	42	20	NM	NM	0	0
Delaware	NM	NM	NM	0	NM	NM	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	27	25	5.4%	20	17	NM	8	NM	0	0	0
Georgia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Maryland	NM	NM	NM	0	NM	NM	NM	NM	NM	0	0
North Carolina	30	8	290.1%	0	NM	25	7	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	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	NM	0	--	0	0	NM	0	0	0	0	0
West South Central	17	16	3.8%	0	0	17	16	NM	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	17	16	3.8%	0	0	17	16	NM	0	0	0
Mountain	295	216	36.6%	26	17	263	192	NM	7	NM	NM
Arizona	160	96	66.9%	NM	17	139	78	NM	NM	0	0
Colorado	19	23	-16.0%	0	0	18	21	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	79	58	36.4%	0	0	75	53	NM	5	NM	NM
New Mexico	37	39	-6.3%	NM	0	31	39	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	296	174	70.5%	33	20	254	148	NM	NM	NM	0
California	294	172	70.3%	33	20	252	148	NM	NM	NM	0
Oregon	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Washington	0	0	-34.5%	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	764	511	49.7%	87	64	646	428	29	16	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 1.20.B. Net Generation from Solar
by State, by Sector, Year-to-Date through May 2013 and 2012 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	38	NM	NM	NM	NM	33	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	32	NM	NM	NM	NM	27	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	213	159	33.8%	20	19	165	128	24	8	NM	NM
New Jersey	164	124	32.5%	20	19	119	96	24	NM	NM	NM
New York	22	23	-6.0%	0	0	22	23	NM	NM	0	0
Pennsylvania	27	12	121.8%	0	0	24	NM	0	NM	NM	NM
East North Central	42	18	131.3%	NM	NM	36	18	NM	0	0	0
Illinois	22	NM	NM	0	0	22	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	18	13	38.4%	NM	NM	12	13	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	235	124	88.8%	72	73	141	50	21	NM	0	0
Delaware	21	NM	NM	NM	NM	20	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	94	93	0.6%	71	71	22	23	NM	0	0	0
Georgia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Maryland	22	NM	NM	NM	NM	19	NM	NM	NM	0	0
North Carolina	95	16	496.7%	NM	NM	79	15	16	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	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	NM	0	--	0	0	NM	0	0	0	0	0
West South Central	63	40	59.5%	0	0	62	40	NM	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	63	40	59.5%	0	0	62	40	NM	0	0	0
Mountain	1,137	524	116.9%	79	50	1,039	455	19	19	NM	NM
Arizona	635	204	212.1%	73	50	560	152	NM	NM	0	0
Colorado	69	56	22.6%	0	0	65	52	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	291	150	94.5%	0	0	278	136	13	13	NM	NM
New Mexico	140	114	22.8%	NM	0	134	114	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,056	453	133.2%	119	57	906	382	30	14	NM	0
California	1,046	449	133.1%	115	55	900	380	30	14	NM	0
Oregon	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Washington	0	0	-2.6%	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	2,796	1,330	110.3%	298	203	2,395	1,079	98	43	NM	NM

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

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

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	1,014,058	757,384	245,652	582	10,440
2004	1,020,523	772,224	240,235	377	7,687
2005	1,041,448	761,349	272,218	377	7,504
2006	1,030,556	753,390	269,412	347	7,408
2007	1,046,795	764,765	276,581	361	5,089
2008	1,042,335	760,326	276,565	369	5,075
2009	934,683	695,615	234,077	317	4,674
2010	979,684	721,431	249,814	314	8,125
2011	934,938	689,316	239,541	347	5,735
2012	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
Year to Date					
2011	377,118	279,033	95,616	166	2,303
2012	306,065	229,718	74,232	128	1,987
2013	338,562	251,226	85,370	139	1,827
Rolling 12 Months Ending in May					
2012	863,885	640,001	218,156	309	5,419
2013	859,197	638,008	216,002	321	4,866

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-May 2013 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	17,720	0	2,080	1,234	14,406
2004	24,275	0	3,809	1,540	18,926
2005	23,833	0	3,918	1,544	18,371
2006	23,227	0	3,834	1,539	17,854
2007	22,810	0	3,795	1,566	17,449
2008	22,168	0	3,689	1,652	16,827
2009	20,507	0	3,935	1,481	15,091
2010	21,727	0	3,808	1,406	16,513
2011	21,532	0	3,628	1,321	16,584
2012	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
Year to Date					
2011	9,274	0	1,572	608	7,094
2012	8,561	0	1,444	546	6,571
2013	8,224	0	1,363	534	6,327
Rolling 12 Months Ending in May					
2012	20,819	0	3,499	1,258	16,061
2013	19,986	0	3,312	1,227	15,447

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-May 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
Year to Date					
2011	386,392	279,033	97,188	774	9,396
2012	314,626	229,718	75,676	674	8,558
2013	346,786	251,226	86,733	673	8,154
Rolling 12 Months Ending in May					
2012	884,704	640,001	221,655	1,567	21,480
2013	879,183	638,008	219,314	1,547	20,313

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-May 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
Year to Date					
2011	12,303	9,511	2,399	61	331
2012	8,698	6,969	1,400	40	289
2013	9,575	6,956	2,302	59	258
Rolling 12 Months Ending in May					
2012	23,721	18,303	4,634	NM	673
2013	23,400	17,746	4,913	NM	594

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.B. Petroleum Liquids: Consumption for Useful Thermal Output, by Sector, 2003-May 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
Year to Date					
2011	1,815	0	406	115	1,293
2012	1,144	0	362	41	741
2013	1,168	0	391	60	717
Rolling 12 Months Ending in May					
2012	3,155	0	960	NM	2,101
2013	2,734	0	979	NM	1,627

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-May 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
Year to Date					
2011	14,118	9,511	2,806	176	1,625
2012	9,842	6,969	1,762	81	1,030
2013	10,743	6,956	2,693	119	975
Rolling 12 Months Ending in May					
2012	26,876	18,303	5,593	NM	2,775
2013	26,134	17,746	5,892	NM	2,221

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 2.3.A. Petroleum Coke: Consumption for Electricity Generation, by Sector, 2003-May 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
Year to Date					
2011	2,193	1,489	585	1	120
2012	1,501	903	317	0	280
2013	1,840	1,287	304	1	248
Rolling 12 Months Ending in May					
2012	4,320	2,864	1,009	1	447
2013	3,892	2,496	703	1	692

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

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
Annual Totals					
2003	763	0	80	9	675
2004	1,043	0	237	8	798
2005	783	0	206	8	568
2006	1,259	0	195	9	1,055
2007	1,262	0	162	11	1,090
2008	897	0	119	9	769
2009	1,007	0	126	8	873
2010	1,059	0	98	11	950
2011	1,080	0	112	6	962
2012	1,258	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
Year to Date					
2011	455	0	44	4	407
2012	541	0	52	4	485
2013	513	0	47	5	462
Rolling 12 Months Ending in May					
2012	1,165	0	119	6	1,040
2013	1,231	0	108	12	1,112

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 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-May 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
Year to Date					
2011	2,648	1,489	629	4	526
2012	2,041	903	368	4	765
2013	2,354	1,287	351	5	710
Rolling 12 Months Ending in May					
2012	5,485	2,864	1,128	7	1,487
2013	5,123	2,496	811	13	1,803

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 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-May 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
Year to Date					
2011	2,716,541	1,177,766	1,296,435	16,861	225,478
2012	3,636,372	1,557,289	1,818,761	20,485	239,837
2013	3,116,140	1,361,588	1,482,922	19,665	251,965
Rolling 12 Months Ending in May					
2012	8,803,697	3,825,609	4,341,433	50,795	585,860
2013	8,944,975	3,919,808	4,358,417	48,199	618,551

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-May 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
Year to Date					
2011	335,967	0	124,654	15,159	196,154
2012	371,527	0	133,823	18,982	218,722
2013	371,564	0	131,336	17,457	222,771
Rolling 12 Months Ending in May					
2012	875,242	0	317,839	43,679	513,723
2013	904,966	0	324,493	43,372	537,101

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 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2003-May 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
Year to Date					
2011	3,052,507	1,177,766	1,421,089	32,020	421,632
2012	4,007,900	1,557,289	1,952,585	39,468	458,559
2013	3,487,704	1,361,588	1,614,258	37,122	474,736
Rolling 12 Months Ending in May					
2012	9,678,939	3,825,609	4,659,272	94,474	1,099,584
2013	9,849,941	3,919,808	4,682,910	91,570	1,155,652

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	31	17	84.0%	7	1	23	15	0	0	1	1
Connecticut	0	5	-100.0%	0	0	0	5	0	0	0	0
Maine	1	1	-11.0%	0	0	0	1	0	0	0	0
Massachusetts	23	11	116.0%	0	0	23	10	0	0	NM	1
New Hampshire	7	1	773.0%	7	1	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	3,857	3,447	12.0%	NM	NM	3,835	3,405	NM	NM	21	40
New Jersey	60	40	51.0%	0	0	60	40	0	0	0	0
New York	185	82	127.0%	NM	NM	179	76	0	0	5	5
Pennsylvania	3,612	3,325	8.6%	0	0	3,596	3,290	NM	NM	16	35
East North Central	14,358	13,663	5.1%	10,463	9,150	3,809	4,425	9	8	77	81
Illinois	3,494	3,791	-7.8%	517	531	2,930	3,208	2	1	46	52
Indiana	3,509	3,449	1.7%	3,308	3,249	197	198	3	2	1	1
Michigan	2,328	2,351	-1.0%	2,299	2,326	19	17	2	4	8	4
Ohio	3,322	2,923	14.0%	2,652	1,915	664	1,002	NM	NM	5	5
Wisconsin	1,705	1,149	48.0%	1,687	1,129	0	0	NM	0	18	19
West North Central	10,131	9,577	5.8%	9,998	9,450	0	0	9	7	125	121
Iowa	1,545	1,495	3.3%	1,471	1,425	0	0	4	3	70	66
Kansas	1,418	1,295	9.5%	1,418	1,295	0	0	0	0	0	0
Minnesota	895	793	13.0%	864	759	0	0	NM	NM	30	33
Missouri	3,476	3,196	8.7%	3,471	3,193	0	0	3	2	2	2
Nebraska	1,069	965	11.0%	1,052	951	0	0	0	0	17	14
North Dakota	1,639	1,673	-2.0%	1,633	1,667	0	0	0	0	6	6
South Dakota	90	159	-44.0%	90	159	0	0	0	0	0	0
South Atlantic	8,456	9,976	-15.0%	7,030	8,399	1,382	1,532	1	1	43	45
Delaware	55	73	-25.0%	0	0	55	73	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,847	1,659	11.0%	1,764	1,582	79	74	0	0	NM	4
Georgia	1,597	2,040	-22.0%	1,589	2,030	0	0	0	0	8	10
Maryland	394	561	-30.0%	0	0	393	558	0	0	1	3
North Carolina	1,275	1,865	-32.0%	1,213	1,806	59	56	0	0	4	4
South Carolina	757	1,008	-25.0%	754	1,004	0	0	0	0	3	4
Virginia	633	435	45.0%	583	364	38	61	NM	NM	11	9
West Virginia	1,898	2,334	-19.0%	1,127	1,614	759	710	0	0	12	10
East South Central	6,592	7,013	-6.0%	6,564	6,707	0	280	NM	NM	27	26
Alabama	2,091	1,774	18.0%	2,087	1,767	0	3	0	0	4	4
Kentucky	2,890	3,080	-6.2%	2,890	3,080	0	0	0	0	0	0
Mississippi	193	472	-59.0%	193	195	0	277	0	0	0	0
Tennessee	1,418	1,688	-16.0%	1,395	1,665	0	0	NM	NM	23	22
West South Central	12,279	11,901	3.2%	6,152	6,377	6,110	5,485	0	0	16	39
Arkansas	1,427	1,552	-8.1%	1,194	1,309	231	241	0	0	2	2
Louisiana	1,113	1,188	-6.3%	445	571	667	616	0	0	NM	NM
Oklahoma	1,487	1,524	-2.4%	1,395	1,436	77	75	0	0	15	13
Texas	8,252	7,637	8.0%	3,117	3,060	5,135	4,553	0	0	0	24
Mountain	8,911	7,237	23.0%	8,118	6,864	733	349	0	0	61	24
Arizona	2,054	1,714	20.0%	2,054	1,709	0	0	0	0	0	6
Colorado	1,534	1,358	13.0%	1,531	1,356	NM	3	0	0	0	0
Idaho	1	1	28.0%	0	0	0	0	0	0	1	1
Montana	666	304	119.0%	NM	NM	646	284	0	0	NM	NM
Nevada	202	49	314.0%	183	48	19	1	0	0	0	0
New Mexico	1,132	1,129	0.3%	1,132	1,129	0	0	0	0	0	0
Utah	1,339	929	44.0%	1,263	902	NM	NM	0	0	43	0
Wyoming	1,983	1,753	13.0%	1,935	1,703	NM	NM	0	0	16	16
Pacific Contiguous	97	38	154.0%	59	0	31	31	0	0	7	8
California	38	37	1.5%	0	0	31	31	0	0	7	7
Oregon	59	0	--	59	0	0	0	0	0	0	0
Washington	0	1	-100.0%	0	0	0	0	0	0	0	1
Pacific Noncontiguous	102	108	-6.2%	12	18	80	81	8	8	NM	NM
Alaska	36	43	-18.0%	12	18	16	17	8	8	0	0
Hawaii	66	65	1.5%	0	0	64	64	0	0	NM	NM
U.S. Total	64,814	62,978	2.9%	48,404	46,967	16,004	15,602	27	24	379	385

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

Table 2.5.B. Consumption of Coal for Electricity Generation by State, by Sector, Year-to-Date through May 2013 and May 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	1,386	539	157.0%	375	225	1,005	310	0	0	6	4
Connecticut	192	22	772.0%	0	0	192	22	0	0	0	0
Maine	8	4	95.0%	0	0	4	2	0	0	4	2
Massachusetts	812	289	181.0%	0	0	810	286	0	0	3	3
New Hampshire	375	225	67.0%	375	225	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	19,430	16,427	18.0%	NM	NM	19,264	16,206	0	0	161	220
New Jersey	378	215	76.0%	0	0	378	215	0	0	0	0
New York	1,227	617	99.0%	NM	NM	1,194	586	0	0	29	30
Pennsylvania	17,825	15,594	14.0%	0	0	17,692	15,405	0	0	132	190
East North Central	77,657	69,272	12.0%	54,970	47,622	22,238	21,216	43	40	407	394
Illinois	20,745	18,789	10.0%	2,647	2,574	17,840	15,959	9	6	249	250
Indiana	18,278	17,820	2.6%	17,161	16,345	1,098	1,457	14	13	5	5
Michigan	12,476	11,157	12.0%	12,337	11,037	88	83	13	14	38	22
Ohio	16,910	14,977	13.0%	13,664	11,225	3,212	3,717	NM	NM	29	29
Wisconsin	9,248	6,529	42.0%	9,161	6,440	0	0	2	1	86	87
West North Central	55,346	51,420	7.6%	54,686	50,781	0	0	42	33	618	606
Iowa	8,129	8,134	-0.1%	7,778	7,797	0	0	21	17	330	320
Kansas	7,512	6,308	19.0%	7,512	6,308	0	0	0	0	0	0
Minnesota	5,542	5,073	9.2%	5,373	4,893	0	0	9	8	160	171
Missouri	18,008	16,119	12.0%	17,984	16,104	0	0	12	7	12	8
Nebraska	6,119	5,746	6.5%	6,035	5,671	0	0	0	0	84	75
North Dakota	9,228	9,327	-1.1%	9,196	9,295	0	0	0	0	32	32
South Dakota	807	713	13.0%	807	713	0	0	0	0	0	0
South Atlantic	43,758	43,066	1.6%	36,156	36,417	7,376	6,395	8	6	219	248
Delaware	234	184	27.0%	0	0	234	184	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	7,694	7,286	5.6%	7,510	7,033	166	234	0	0	17	19
Georgia	7,140	8,026	-11.0%	7,095	7,977	0	0	0	0	45	48
Maryland	2,409	2,066	17.0%	0	0	2,392	2,049	0	0	17	17
North Carolina	7,248	7,841	-7.6%	7,002	7,560	223	259	5	3	18	19
South Carolina	3,907	4,704	-17.0%	3,884	4,659	0	14	0	0	23	31
Virginia	3,515	2,109	67.0%	3,257	1,850	214	208	3	3	41	48
West Virginia	11,611	10,851	7.0%	7,409	7,338	4,146	3,447	0	0	57	66
East South Central	35,169	30,242	16.0%	33,888	28,926	1,144	1,187	2	2	135	128
Alabama	9,449	7,497	26.0%	9,428	7,471	0	6	0	0	21	20
Kentucky	16,305	14,970	8.9%	16,305	14,970	0	0	0	0	0	0
Mississippi	2,029	1,987	2.2%	886	805	1,144	1,181	0	0	0	0
Tennessee	7,386	5,790	28.0%	7,270	5,680	0	0	2	2	114	107
West South Central	57,504	53,420	7.6%	29,849	29,002	27,596	24,231	0	0	58	187
Arkansas	7,231	7,068	2.3%	6,245	6,014	975	1,043	0	0	12	10
Louisiana	5,633	4,922	14.0%	2,465	2,544	3,167	2,377	0	0	NM	NM
Oklahoma	7,092	7,103	-0.1%	6,644	6,693	403	353	0	0	46	57
Texas	37,547	34,328	9.4%	14,495	13,752	23,052	20,458	0	0	0	118
Mountain	45,720	40,164	14.0%	40,387	36,181	5,150	3,823	0	0	183	160
Arizona	9,180	8,384	9.5%	9,176	8,358	0	0	0	0	4	26
Colorado	7,754	7,290	6.4%	7,743	7,278	11	12	0	0	0	0
Idaho	7	6	15.0%	0	0	0	0	0	0	7	6
Montana	4,626	3,384	37.0%	115	111	4,508	3,270	0	0	NM	NM
Nevada	1,103	511	116.0%	813	297	291	214	0	0	0	0
New Mexico	5,929	5,397	9.9%	5,929	5,397	0	0	0	0	0	0
Utah	6,122	5,093	20.0%	5,886	4,922	149	132	0	0	86	39
Wyoming	11,000	10,097	8.9%	10,726	9,817	191	195	0	0	82	86
Pacific Contiguous	2,150	993	117.0%	844	477	1,271	482	0	0	35	34
California	156	244	-36.0%	0	0	124	214	0	0	32	30
Oregon	844	477	77.0%	844	477	0	0	0	0	0	0
Washington	1,149	272	322.0%	0	0	1,146	268	0	0	3	4
Pacific Noncontiguous	441	523	-16.0%	66	88	326	382	44	47	NM	6
Alaska	193	225	-14.0%	66	88	83	90	44	47	0	0
Hawaii	248	298	-17.0%	0	0	243	291	0	0	NM	6
U.S. Total	338,562	306,065	11.0%	251,226	229,718	85,370	74,232	139	128	1,827	1,987

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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, May 2013 and May 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	35	NM	NM	10	NM	16	NM	5	NM	4	3
Connecticut	NM	NM	NM	NM	NM	NM	17	NM	0	NM	NM
Maine	12	6	102.0%	NM	NM	8	2	NM	NM	3	3
Massachusetts	12	NM	NM	4	NM	NM	NM	NM	NM	1	NM
New Hampshire	4	NM	NM	3	NM	NM	NM	NM	NM	NM	NM
Rhode Island	NM	NM	NM	1	NM	NM	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	128	122	4.9%	40	31	81	84	NM	NM	6	NM
New Jersey	NM	NM	NM	NM	NM	NM	4	NM	NM	NM	NM
New York	81	56	45.0%	39	30	35	19	NM	NM	6	5
Pennsylvania	43	61	-30.0%	NM	NM	42	60	0	NM	NM	NM
East North Central	144	100	44.0%	118	86	23	11	NM	NM	2	NM
Illinois	20	NM	NM	6	NM	13	6	NM	NM	NM	NM
Indiana	26	NM	NM	25	19	NM	NM	NM	NM	1	NM
Michigan	44	NM	NM	43	NM	0	0	NM	NM	1	0
Ohio	47	31	53.0%	38	26	9	5	NM	NM	0	0
Wisconsin	7	NM	NM	7	NM	0	0	NM	NM	NM	NM
West North Central	71	76	-6.6%	71	71	NM	NM	NM	NM	NM	NM
Iowa	13	NM	NM	13	NM	NM	NM	NM	NM	NM	NM
Kansas	19	NM	NM	19	NM	0	0	0	0	0	0
Minnesota	6	NM	NM	6	NM	NM	4	NM	NM	NM	NM
Missouri	16	NM	NM	16	NM	NM	NM	NM	NM	0	0
Nebraska	9	NM	NM	9	NM	0	0	0	0	0	0
North Dakota	6	10	-40.0%	6	10	0	0	NM	NM	NM	NM
South Dakota	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0
South Atlantic	248	319	-22.0%	192	236	44	63	NM	NM	12	19
Delaware	3	3	-20.0%	NM	NM	2	3	0	0	0	0
District of Columbia	0	18	-100.0%	0	0	0	18	0	0	0	0
Florida	84	127	-34.0%	82	113	NM	13	0	0	1	1
Georgia	24	23	2.1%	16	10	NM	NM	NM	NM	7	13
Maryland	36	NM	NM	NM	NM	35	20	NM	NM	0	0
North Carolina	34	47	-28.0%	31	45	NM	NM	NM	NM	1	NM
South Carolina	19	20	-6.4%	17	18	0	0	NM	NM	2	2
Virginia	27	37	-27.0%	22	25	4	NM	0	0	1	2
West Virginia	23	23	0.5%	23	23	0	0	0	0	0	0
East South Central	47	65	-27.0%	45	61	NM	NM	0	0	3	3
Alabama	12	16	-26.0%	9	13	NM	NM	0	0	2	3
Kentucky	19	21	-9.5%	19	21	0	0	0	0	0	0
Mississippi	2	NM	NM	2	NM	0	0	0	0	0	0
Tennessee	15	23	-35.0%	15	23	0	0	0	0	NM	NM
West South Central	36	86	-58.0%	15	20	21	64	NM	NM	NM	NM
Arkansas	9	3	238.0%	6	2	3	0	0	0	NM	0
Louisiana	7	12	-44.0%	2	NM	4	4	0	0	1	1
Oklahoma	2	NM	NM	2	NM	0	0	NM	NM	0	0
Texas	19	66	-72.0%	5	NM	14	60	NM	NM	NM	NM
Mountain	38	NM	NM	34	NM	NM	8	NM	NM	NM	NM
Arizona	5	9	-45.0%	5	9	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	7	NM	NM	NM	3	6	0	0	0	0
Nevada	4	NM	NM	3	NM	1	2	0	0	0	0
New Mexico	9	6	60.0%	9	6	NM	NM	0	0	0	0
Utah	7	NM	NM	7	NM	NM	NM	0	0	0	0
Wyoming	9	9	-6.5%	8	9	0	0	0	0	NM	NM
Pacific Contiguous	21	11	87.0%	7	NM	NM	NM	NM	NM	11	3
California	13	NM	NM	4	NM	NM	2	NM	NM	6	NM
Oregon	2	1	92.0%	2	1	0	0	NM	NM	0	0
Washington	6	3	88.0%	NM	NM	NM	NM	NM	NM	6	2
Pacific Noncontiguous	984	1,051	-6.4%	848	919	122	118	NM	NM	NM	NM
Alaska	110	NM	NM	104	NM	0	0	NM	NM	6	NM
Hawaii	874	880	-0.8%	745	758	122	118	0	0	NM	5
U.S. Total	1,753	1,912	-8.4%	1,379	1,468	312	384	9	NM	53	52

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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 May 2013 and May 2012
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	934	274	240.0%	157	55	719	178	39	20	18	21
Connecticut	282	53	436.0%	3	NM	278	48	NM	0	NM	NM
Maine	265	79	237.0%	NM	NM	252	56	NM	NM	9	20
Massachusetts	258	94	175.0%	69	NM	165	73	16	NM	8	NM
New Hampshire	80	30	169.0%	74	26	NM	NM	6	NM	NM	NM
Rhode Island	33	NM	NM	6	NM	24	NM	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Middle Atlantic	1,055	380	178.0%	351	68	657	272	NM	NM	35	31
New Jersey	95	17	465.0%	NM	NM	93	14	NM	NM	NM	NM
New York	717	191	275.0%	350	66	324	88	NM	NM	33	29
Pennsylvania	243	172	41.0%	NM	NM	240	169	1	NM	NM	NM
East North Central	506	493	2.5%	415	414	80	66	NM	NM	10	NM
Illinois	59	52	14.0%	19	NM	40	34	NM	NM	NM	NM
Indiana	108	94	15.0%	102	87	NM	NM	NM	NM	6	NM
Michigan	123	131	-6.4%	119	128	0	0	NM	NM	3	2
Ohio	182	190	-4.1%	144	158	38	31	NM	NM	0	1
Wisconsin	33	26	29.0%	30	24	3	1	NM	NM	NM	NM
West North Central	275	277	-0.6%	271	268	2	NM	NM	NM	1	NM
Iowa	75	85	-11.0%	74	83	1	NM	NM	NM	NM	NM
Kansas	50	NM	NM	50	NM	0	0	0	0	0	0
Minnesota	19	NM	NM	17	NM	1	5	NM	NM	NM	NM
Missouri	70	71	-1.5%	70	71	NM	NM	NM	NM	0	0
Nebraska	25	25	-0.6%	25	25	0	0	0	0	0	0
North Dakota	25	32	-21.0%	25	31	0	0	NM	NM	1	NM
South Dakota	11	NM	NM	11	NM	NM	NM	NM	NM	0	0
South Atlantic	1,205	1,191	1.2%	937	870	189	233	NM	NM	77	86
Delaware	20	16	30.0%	NM	NM	20	15	0	0	0	0
District of Columbia	0	26	-100.0%	0	0	0	26	0	0	0	0
Florida	426	396	7.5%	409	345	NM	43	0	0	6	7
Georgia	112	116	-3.0%	64	62	NM	NM	1	NM	47	50
Maryland	132	96	37.0%	5	NM	126	84	NM	NM	0	6
North Carolina	181	198	-8.6%	169	191	7	NM	NM	NM	5	5
South Carolina	77	101	-24.0%	69	93	0	0	NM	NM	8	8
Virginia	168	141	19.0%	134	70	23	62	0	1	12	9
West Virginia	89	101	-12.0%	87	101	2	0	0	0	0	0
East South Central	275	307	-10.0%	257	293	1	NM	0	0	17	12
Alabama	68	64	5.9%	53	52	1	NM	0	0	14	10
Kentucky	94	91	3.2%	94	91	0	0	0	0	0	0
Mississippi	12	13	-6.2%	11	12	0	0	0	0	1	1
Tennessee	101	139	-27.0%	100	139	0	0	0	0	NM	NM
West South Central	163	198	-18.0%	50	60	96	126	NM	NM	16	11
Arkansas	26	27	-1.4%	12	16	14	9	0	0	NM	1
Louisiana	47	30	53.0%	12	10	20	12	0	0	15	9
Oklahoma	7	12	-42.0%	7	11	0	0	NM	NM	0	0
Texas	83	129	-36.0%	20	22	61	106	NM	NM	NM	NM
Mountain	175	181	-3.5%	162	164	12	16	NM	NM	NM	NM
Arizona	36	39	-7.5%	36	38	0	0	NM	NM	NM	NM
Colorado	13	NM	NM	13	NM	0	0	0	0	NM	NM
Idaho	NM	NM	NM	NM	NM	0	0	0	0	0	0
Montana	8	11	-22.0%	NM	NM	8	10	0	0	0	0
Nevada	12	17	-31.0%	9	13	3	4	0	0	0	0
New Mexico	43	37	15.0%	42	35	NM	NM	0	0	0	0
Utah	31	NM	NM	31	NM	NM	NM	0	0	0	0
Wyoming	32	31	1.1%	32	31	0	0	0	0	NM	NM
Pacific Contiguous	65	74	-11.0%	30	32	12	20	NM	NM	22	20
California	36	42	-14.0%	22	22	6	17	NM	NM	7	NM
Oregon	NM	4	NM	6	4	0	0	NM	NM	0	0
Washington	24	28	-16.0%	NM	NM	6	NM	NM	NM	15	18
Pacific Noncontiguous	4,922	5,323	-7.5%	4,324	4,745	535	479	3	NM	61	95
Alaska	544	710	-23.0%	513	669	0	0	NM	NM	31	NM
Hawaii	4,378	4,613	-5.1%	3,811	4,076	535	479	2	2	30	56
U.S. Total	9,575	8,698	10.0%	6,956	6,969	2,302	1,400	59	40	258	289

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 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	72	43	68.0%	41	11	26	28	0	0	5	3
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	41	10	294.0%	41	10	0	0	0	0	0	0
Michigan	5	4	27.0%	0	0	3	3	0	0	NM	1
Ohio	23	26	-11.0%	0	0	23	25	0	0	0	0
Wisconsin	4	3	14.0%	1	1	0	0	0	0	3	2
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	113	4	NM	109	0	0	0	0	0	4	4
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	109	0	--	109	0	0	0	0	0	0	0
Georgia	4	4	-19.0%	0	0	0	0	0	0	4	4
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	46	56	-18.0%	46	56	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	46	56	-18.0%	46	56	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	214	123	74.0%	164	82	0	0	0	0	51	40
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	174	87	100.0%	164	82	0	0	0	0	10	4
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	41	36	13.0%	0	0	0	0	0	0	41	36
Mountain	14	15	-11.0%	0	0	14	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	14	15	-11.0%	0	0	14	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	464	245	89.0%	361	150	42	46	0	0	62	49

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 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	8	5	54.0%	0	0	0	0	0	0	8	5
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	5	NM	0	0	0	0	0	0	NM	5
East North Central	394	281	40.0%	148	106	222	154	0	0	23	21
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	146	90	63.0%	146	90	0	0	0	0	0	0
Michigan	20	18	10.0%	0	0	15	14	0	0	6	5
Ohio	208	140	49.0%	0	0	208	140	0	0	0	0
Wisconsin	19	33	-42.0%	2	16	0	0	0	0	17	17
West North Central	1	5	-89.0%	0	5	0	0	1	0	0	0
Iowa	1	5	-89.0%	0	5	0	0	1	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	244	156	56.0%	225	131	0	0	0	0	19	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	225	131	71.0%	225	131	0	0	0	0	0	0
Georgia	19	25	-23.0%	0	0	0	0	0	0	19	25
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	210	179	17.0%	210	179	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	210	179	17.0%	210	179	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	902	711	27.0%	704	482	0	0	0	0	198	229
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	730	504	45.0%	704	482	0	0	0	0	26	22
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	172	206	-17.0%	0	0	0	0	0	0	172	206
Mountain	75	77	-2.6%	0	0	75	77	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	75	77	-2.6%	0	0	75	77	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	86	NM	0	0	NM	86	0	0	0	0
California	NM	86	NM	0	0	NM	86	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	1,840	1,501	23.0%	1,287	903	304	317	1	0	248	280

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

Table 2.8.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, May 2013 and May 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	34,744	35,287	-1.5%	252	NM	32,502	32,883	463	556	1,527	1,541
Connecticut	9,772	7,831	25.0%	NM	NM	9,423	7,390	NM	NM	NM	174
Maine	2,673	2,102	27.0%	0	0	1,383	881	NM	NM	1,288	1,219
Massachusetts	15,655	15,123	3.5%	168	212	15,125	14,449	266	325	NM	138
New Hampshire	1,290	4,566	-72.0%	22	0	1,259	4,556	0	0	NM	NM
Rhode Island	5,351	5,662	-5.5%	0	0	5,311	5,607	NM	NM	0	0
Vermont	4	3	12.0%	4	3	0	0	0	0	0	0
Middle Atlantic	77,926	92,707	-16.0%	10,930	11,676	65,733	79,586	564	597	698	848
New Jersey	16,234	20,516	-21.0%	0	0	15,881	20,111	NM	NM	NM	338
New York	34,754	42,034	-17.0%	10,925	11,667	23,261	29,754	441	472	NM	140
Pennsylvania	26,937	30,157	-11.0%	NM	NM	26,591	29,721	NM	NM	298	369
East North Central	38,357	60,170	-36.0%	14,718	22,962	22,434	35,739	548	604	657	867
Illinois	4,307	7,062	-39.0%	715	1,690	3,226	4,927	170	196	195	248
Indiana	6,041	11,228	-46.0%	4,452	8,630	1,314	2,239	NM	NM	254	332
Michigan	10,691	17,788	-40.0%	3,042	3,112	7,388	14,400	147	NM	115	NM
Ohio	13,855	14,280	-3.0%	4,570	4,501	9,095	9,545	NM	NM	NM	NM
Wisconsin	3,463	9,813	-65.0%	1,938	5,029	1,412	4,628	NM	NM	NM	NM
West North Central	10,601	17,803	-40.0%	8,404	14,665	1,859	2,837	199	NM	138	NM
Iowa	864	1,145	-25.0%	836	1,131	NM	NM	NM	NM	NM	9
Kansas	2,246	4,366	-49.0%	2,238	4,359	0	0	0	0	NM	NM
Minnesota	3,659	6,023	-39.0%	2,686	4,786	810	1,099	NM	NM	71	NM
Missouri	3,429	5,294	-35.0%	2,277	3,451	1,049	1,738	102	102	NM	NM
Nebraska	297	750	-60.0%	267	718	0	0	NM	NM	NM	NM
North Dakota	NM	NM	NM	NM	0	0	0	0	0	NM	NM
South Dakota	NM	NM	NM	NM	NM	0	0	0	0	0	0
South Atlantic	152,060	190,591	-20.0%	119,920	141,182	29,434	47,442	NM	NM	2,460	1,779
Delaware	4,505	5,621	-20.0%	NM	NM	3,392	5,129	0	0	1,094	469
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	86,769	106,996	-19.0%	79,231	94,915	6,781	11,234	NM	NM	740	828
Georgia	21,573	29,398	-27.0%	16,250	17,002	4,919	12,173	0	0	404	223
Maryland	3,274	8,569	-62.0%	0	0	3,093	8,281	NM	NM	NM	120
North Carolina	15,882	13,240	20.0%	10,067	11,039	5,767	2,153	0	0	NM	49
South Carolina	6,981	11,148	-37.0%	6,416	8,773	506	2,333	NM	NM	58	40
Virginia	12,646	15,234	-17.0%	7,914	9,285	4,647	5,903	0	0	85	45
West Virginia	354	291	22.0%	24	50	328	236	0	0	NM	NM
East South Central	44,619	81,476	-45.0%	25,652	44,775	16,966	35,566	NM	NM	1,924	1,047
Alabama	22,322	38,743	-42.0%	7,411	10,234	14,341	27,793	0	0	571	716
Kentucky	1,841	5,228	-65.0%	915	4,540	802	552	0	0	NM	135
Mississippi	18,949	31,078	-39.0%	15,900	23,668	1,824	7,220	NM	NM	1,215	179
Tennessee	1,506	6,427	-77.0%	1,426	6,334	0	0	NM	NM	13	17
West South Central	178,988	242,391	-26.0%	53,660	82,821	89,962	122,192	344	362	35,021	37,016
Arkansas	5,440	11,344	-52.0%	NM	2,917	4,778	8,341	NM	NM	105	85
Louisiana	31,034	48,970	-37.0%	13,731	24,790	5,233	8,097	NM	NM	12,048	16,060
Oklahoma	20,218	32,162	-37.0%	14,854	21,650	5,301	10,452	NM	NM	NM	NM
Texas	122,297	149,915	-18.0%	24,520	33,464	74,650	95,301	304	321	22,823	20,828
Mountain	39,440	53,022	-26.0%	25,930	34,473	12,770	17,270	173	NM	567	1,103
Arizona	9,615	16,827	-43.0%	5,355	10,496	4,218	6,252	NM	NM	0	NM
Colorado	6,052	8,023	-25.0%	2,869	4,495	3,164	3,511	5	0	NM	NM
Idaho	1,120	NM	NM	515	NM	593	NM	0	0	NM	NM
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	13,455	16,803	-20.0%	11,176	12,063	2,081	4,532	NM	NM	145	NM
New Mexico	6,059	5,953	1.8%	3,808	3,580	2,130	2,249	74	NM	NM	NM
Utah	2,789	4,757	-41.0%	2,108	3,486	559	638	0	NM	122	632
Wyoming	265	254	4.3%	NM	NM	NM	NM	0	0	225	200
Pacific Contiguous	62,283	66,840	-6.8%	21,506	22,903	33,287	36,311	1,162	1,199	6,329	6,427
California	57,398	64,323	-11.0%	18,644	22,240	31,356	34,537	1,135	1,163	6,263	6,383
Oregon	2,947	1,552	90.0%	1,223	NM	1,677	1,443	NM	NM	24	NM
Washington	1,938	965	101.0%	1,639	NM	253	331	NM	NM	42	18
Pacific Noncontiguous	2,832	3,436	-18.0%	2,783	3,381	0	0	NM	NM	NM	NM
Alaska	2,832	3,436	-18.0%	2,783	3,381	0	0	NM	NM	NM	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	641,849	843,724	-24.0%	283,756	379,144	304,947	409,826	3,779	3,992	49,367	50,761

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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 May 2013 and May 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	142,728	168,360	-15.0%	1,010	993	131,351	156,675	2,508	2,664	7,859	8,029
Connecticut	45,724	40,216	14.0%	NM	NM	43,906	38,224	809	874	728	768
Maine	14,935	17,289	-14.0%	0	0	8,370	10,612	NM	NM	6,558	6,669
Massachusetts	56,803	65,761	-14.0%	570	572	54,231	63,090	1,475	1,557	528	542
New Hampshire	8,902	21,001	-58.0%	141	55	8,715	20,897	0	0	NM	NM
Rhode Island	16,346	24,077	-32.0%	0	0	16,129	23,851	217	226	0	0
Vermont	18	16	9.4%	18	16	0	0	0	0	0	0
Middle Atlantic	375,587	408,192	-8.0%	46,836	47,487	321,813	353,541	3,176	2,976	3,763	4,188
New Jersey	73,012	78,016	-6.4%	0	0	71,192	76,030	363	318	1,457	1,669
New York	164,864	173,734	-5.1%	46,820	47,467	114,770	123,112	2,580	2,416	694	739
Pennsylvania	137,711	156,441	-12.0%	NM	NM	135,851	154,399	NM	NM	1,612	1,780
East North Central	180,447	265,250	-32.0%	66,734	97,855	106,564	159,086	3,394	3,793	3,755	4,517
Illinois	21,041	32,860	-36.0%	1,973	4,922	16,548	25,246	1,474	1,587	1,046	1,104
Indiana	29,790	50,014	-40.0%	20,526	39,406	7,701	8,812	NM	123	1,447	1,673
Michigan	39,903	77,383	-48.0%	9,014	16,178	29,308	59,181	831	901	750	1,123
Ohio	64,944	68,850	-5.7%	21,575	17,394	42,369	50,375	810	861	190	219
Wisconsin	24,769	36,143	-31.0%	13,647	19,955	10,637	15,472	163	320	322	397
West North Central	47,977	53,575	-10.0%	39,952	45,241	6,598	6,460	818	1,370	609	504
Iowa	3,631	3,270	11.0%	3,540	3,228	NM	NM	NM	NM	NM	18
Kansas	8,269	11,257	-27.0%	8,249	11,219	0	0	0	0	NM	NM
Minnesota	19,775	20,281	-2.5%	16,607	16,848	2,317	2,448	564	807	286	177
Missouri	14,697	16,730	-12.0%	10,178	12,179	4,281	4,011	229	529	NM	NM
Nebraska	785	1,383	-43.0%	607	1,167	0	0	NM	NM	170	205
North Dakota	53	54	-2.7%	NM	0	0	0	0	0	50	54
South Dakota	767	NM	NM	767	NM	0	0	0	0	0	0
South Atlantic	716,731	782,484	-8.4%	574,694	592,572	129,242	180,680	1,271	964	11,524	8,267
Delaware	19,677	24,319	-19.0%	NM	NM	15,078	22,313	0	0	4,540	1,933
District of Columbia	NM	NM	NM	0	NM	0	0	NM	0	0	0
Florida	396,434	449,974	-12.0%	366,439	406,177	25,995	39,767	NM	NM	3,919	3,937
Georgia	114,546	110,040	4.1%	86,991	62,002	25,618	46,881	0	0	1,937	1,156
Maryland	7,956	22,089	-64.0%	0	0	7,031	20,737	781	852	144	500
North Carolina	77,189	58,099	33.0%	50,977	47,901	25,927	9,937	10	13	276	248
South Carolina	35,635	44,761	-20.0%	32,843	36,141	2,475	8,390	NM	NM	313	224
Virginia	63,807	71,887	-11.0%	37,179	39,730	26,248	31,903	0	0	380	254
West Virginia	1,092	859	27.0%	207	90	870	753	0	0	NM	16
East South Central	251,920	333,376	-24.0%	138,114	183,861	102,728	144,281	395	424	10,683	4,810
Alabama	135,176	166,918	-19.0%	42,272	44,224	89,238	119,555	0	0	3,665	3,139
Kentucky	7,907	15,915	-50.0%	6,096	14,132	1,169	1,074	0	0	642	709
Mississippi	93,438	129,003	-28.0%	74,800	104,436	12,320	23,652	NM	NM	6,271	866
Tennessee	15,399	21,540	-29.0%	14,946	21,069	0	0	348	374	105	97
West South Central	829,686	996,638	-17.0%	229,081	302,571	418,163	517,430	1,574	1,659	180,868	174,978
Arkansas	36,603	47,728	-23.0%	2,258	7,857	33,663	39,337	NM	NM	679	531
Louisiana	157,092	187,177	-16.0%	66,513	83,590	20,864	30,640	NM	NM	69,612	72,839
Oklahoma	89,056	125,732	-29.0%	69,510	88,986	19,142	36,420	NM	NM	311	233
Texas	546,935	636,001	-14.0%	90,800	122,138	344,494	411,033	1,375	1,456	110,266	101,374
Mountain	198,448	232,276	-15.0%	124,194	142,317	70,282	85,327	804	845	3,168	3,786
Arizona	48,697	78,640	-38.0%	23,220	39,076	25,239	39,292	220	237	NM	NM
Colorado	30,683	32,614	-5.9%	16,859	20,013	13,738	12,510	5	1	NM	NM
Idaho	7,333	4,542	61.0%	2,558	549	4,578	3,788	0	0	197	205
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	65,335	65,707	-0.6%	49,507	48,050	14,918	16,681	244	NM	666	722
New Mexico	26,273	27,587	-4.8%	16,616	16,640	9,104	10,359	334	352	219	NM
Utah	18,168	21,117	-14.0%	14,920	17,366	2,615	2,606	NM	NM	633	1,144
Wyoming	1,514	1,543	-1.9%	NM	NM	NM	NM	0	0	1,354	1,353
Pacific Contiguous	356,248	377,363	-5.6%	124,945	125,996	196,181	215,281	5,713	5,777	29,409	30,309
California	299,433	329,306	-9.1%	95,882	103,830	169,122	190,078	5,499	5,503	28,930	29,895
Oregon	37,571	34,216	9.8%	12,408	10,950	24,682	22,794	204	251	277	222
Washington	19,244	13,841	39.0%	16,655	11,216	2,377	2,409	10	23	202	192
Pacific Noncontiguous	16,368	18,858	-13.0%	16,029	18,395	0	0	NM	NM	328	450
Alaska	16,368	18,858	-13.0%	16,029	18,395	0	0	NM	NM	328	450
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	3,116,140	3,636,372	-14.0%	1,361,588	1,557,289	1,482,922	1,818,761	19,665	20,485	251,965	239,837

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

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

	Electric Power Sector			Electric Utilities			Independent Power Producers		
Period	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
End of Year Stocks									
2003	121,567	45,752	1,484	97,831	28,062	378	23,736	17,691	1,105
2004	106,669	46,750	937	84,917	29,144	627	21,751	17,607	309
2005	101,137	47,414	530	77,457	29,532	374	23,680	17,882	156
2006	140,964	48,216	674	110,277	29,799	456	30,688	18,416	217
2007	151,221	44,433	554	120,504	28,032	253	30,717	16,401	301
2008	161,589	40,804	739	127,463	26,108	468	34,126	14,696	270
2009	189,467	39,210	1,394	154,815	25,811	1,194	34,652	13,399	201
2010	174,917	35,706	1,019	143,744	24,798	850	31,173	10,908	168
2011	172,387	34,847	508	142,103	25,648	404	30,284	9,198	104
2012	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

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, May 2013 and 2012

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	May 2013	May 2012	Percentage Change	May 2013	May 2012	Percentage Change	May 2013	May 2012	Percentage Change
New England	1,071	1,380	-22.0%	2,094	2,344	-11.0%	0	0	--
Connecticut	W	W	W	786	944	-17.0%	0	0	--
Maine	0	0	--	W	W	W	0	0	--
Massachusetts	570	739	-23.0%	822	922	-11.0%	0	0	--
New Hampshire	W	W	W	W	W	W	0	0	--
Rhode Island	0	0	--	W	W	W	0	0	--
Vermont	0	0	--	48	50	-3.0%	0	0	--
Middle Atlantic	6,881	9,366	-27.0%	5,209	6,521	-20.0%	W	W	W
New Jersey	859	867	-1.0%	961	1,108	-13.0%	0	0	--
New York	498	797	-37.0%	3,350	4,302	-22.0%	0	0	--
Pennsylvania	5,524	7,701	-28.0%	898	1,111	-19.0%	W	W	W
East North Central	32,113	41,126	-22.0%	1,269	1,485	-15.0%	W	W	W
Illinois	6,264	8,423	-26.0%	110	129	-15.0%	0	0	--
Indiana	8,879	10,744	-17.0%	118	113	5.1%	0	0	--
Michigan	6,558	6,286	4.3%	505	633	-20.0%	W	W	W
Ohio	6,130	8,685	-29.0%	296	334	-11.0%	W	W	W
Wisconsin	4,282	6,986	-39.0%	239	277	-14.0%	W	W	W
West North Central	28,951	32,267	-10.0%	981	1,286	-24.0%	0	0	--
Iowa	8,152	8,519	-4.3%	147	165	-11.0%	0	0	--
Kansas	3,598	4,876	-26.0%	153	286	-47.0%	0	0	--
Minnesota	3,024	3,024	0.0%	152	182	-16.0%	0	0	--
Missouri	9,331	10,264	-9.1%	298	326	-8.6%	0	0	--
Nebraska	3,024	3,631	-17.0%	121	203	-40.0%	0	0	--
North Dakota	W	W	W	38	39	-2.6%	0	0	--
South Dakota	W	W	W	72	85	-16.0%	0	0	--
South Atlantic	39,072	42,763	-8.6%	13,244	14,187	-6.6%	W	W	W
Delaware	W	W	W	397	406	-2.3%	0	0	--
District of Columbia	0	0	--	0	76	-100.0%	0	0	--
Florida	W	W	W	6,897	7,595	-9.2%	W	W	W
Georgia	9,839	9,593	2.6%	918	946	-3.0%	0	0	--
Maryland	1,541	2,130	-28.0%	749	809	-7.4%	0	0	--
North Carolina	7,208	7,385	-2.4%	1,102	1,051	4.9%	0	0	--
South Carolina	6,086	7,358	-17.0%	645	642	0.4%	W	W	W
Virginia	1,639	2,165	-24.0%	2,402	2,524	-4.8%	0	0	--
West Virginia	6,879	7,092	-3.0%	135	136	-1.2%	W	W	W
East South Central	18,670	20,768	-10.0%	2,067	1,947	6.2%	W	W	W
Alabama	5,300	6,683	-21.0%	313	300	4.2%	0	0	--
Kentucky	8,116	8,772	-7.5%	263	264	-0.3%	W	W	W
Mississippi	1,976	1,829	8.0%	566	557	1.7%	0	0	--
Tennessee	3,278	3,485	-5.9%	925	826	12.0%	0	0	--
West South Central	29,913	31,257	-4.3%	2,460	2,468	-0.3%	W	W	W
Arkansas	3,692	4,099	-9.9%	245	172	42.0%	0	0	--
Louisiana	3,838	4,315	-11.0%	659	664	-0.8%	W	W	W
Oklahoma	4,809	5,147	-6.6%	194	191	1.7%	0	0	--
Texas	17,576	17,696	-0.7%	1,362	1,440	-5.5%	W	W	W
Mountain	19,408	20,349	-4.6%	707	689	2.6%	W	W	W
Arizona	3,888	3,846	1.1%	217	217	-0.1%	0	0	--
Colorado	4,009	4,286	-6.5%	147	142	4.1%	0	0	--
Idaho	0	0	--	W	W	W	0	0	--
Montana	W	W	W	W	W	W	W	W	W
Nevada	1,050	W	W	180	180	0.1%	0	0	--
New Mexico	W	W	W	55	54	1.2%	0	0	--
Utah	4,825	4,558	5.9%	51	39	31.0%	0	0	--
Wyoming	3,688	3,951	-6.7%	31	36	-11.0%	0	0	--
Pacific Contiguous	W	W	W	381	388	-2.0%	NM	W	W
California	W	W	W	191	214	-11.0%	NM	W	W
Oregon	W	W	W	W	W	W	0	0	--
Washington	W	W	W	W	W	W	0	0	--
Pacific Noncontiguous	W	W	W	2,847	2,536	12.0%	0	0	--
Alaska	W	W	W	254	268	-5.3%	0	0	--
Hawaii	W	W	W	2,593	2,268	14.0%	0	0	--
U.S. Total	177,977	202,184	-12.0%	31,258	33,852	-7.7%	444	459	-3.4%

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

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

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012
Coal (Thousand Tons)							
New England	1,071	1,380	-22.4%	W	W	W	W
Middle Atlantic	6,881	9,366	-26.5%	W	W	W	W
East North Central	32,113	41,126	-21.9%	25,584	32,011	6,529	9,114
West North Central	28,951	32,267	-10.3%	28,951	32,267	0	0
South Atlantic	39,072	42,763	-8.6%	35,093	38,039	3,979	4,724
East South Central	18,670	20,768	-10.1%	W	20,768	W	0
West South Central	29,913	31,257	-4.3%	17,640	19,029	12,273	12,228
Mountain	19,408	20,349	-4.6%	18,291	19,258	1,117	1,090
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	W	W	W	W
U.S. Total	**177,977**	**202,184**	**-12.0%**	**145,957**	**163,185**	**32,020**	**38,999**
Petroleum Liquids (Thousand Barrels)							
New England	2,094	2,344	-10.7%	411	477	1,682	1,868
Middle Atlantic	5,209	6,521	-20.1%	2,290	2,943	2,919	3,578
East North Central	1,269	1,485	-14.5%	1,053	1,241	216	244
West North Central	981	1,286	-23.7%	953	1,255	28	31
South Atlantic	13,244	14,187	-6.6%	10,989	11,831	2,255	2,355
East South Central	2,067	1,947	6.2%	W	W	W	W
West South Central	2,460	2,468	-0.3%	1,870	1,874	590	594
Mountain	707	689	2.6%	W	W	W	W
Pacific Contiguous	381	388	-2.0%	340	W	41	W
Pacific Noncontiguous	2,847	2,536	12.2%	W	W	W	W
U.S. Total	**31,258**	**33,852**	**-7.7%**	**23,384**	**24,982**	**7,873**	**8,869**
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	W	W	W	0	0	W	W
East North Central	W	W	W	W	W	W	W
West North Central	0	0	--	0	0	0	0
South Atlantic	W	W	W	W	W	W	W
East South Central	W	W	W	W	W	0	0
West South Central	W	W	W	W	W	W	W
Mountain	W	W	W	0	0	W	W
Pacific Contiguous	NM	W	W	0	0	NM	W
Pacific Noncontiguous	0	0	--	0	0	0	0
U.S. Total	**444**	**459**	**-3.4%**	**348**	**W**	**96**	**W**

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

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

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 - May 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	18,528,101	948,668	2.39	46.70	1.19	99.2	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	1,565,674	80,452	2.34	45.56	1.14	108.0	18,710	3,111	19.48	117.17	0.60	124.8
April	1,453,795	74,389	2.38	46.50	1.17	108.1	17,501	2,907	20.17	121.42	0.44	106.2
May	1,477,567	75,079	2.43	47.88	1.21	99.7	22,348	3,663	19.03	116.10	0.79	142.1
June	1,482,372	75,431	2.40	47.18	1.22	87.8	21,398	3,546	21.43	129.32	0.66	134.2
July	1,513,128	77,174	2.45	47.95	1.21	80.3	17,161	2,880	21.34	127.15	0.50	90.1
August	1,672,553	84,971	2.47	48.63	1.21	90.3	14,448	2,409	19.26	115.53	0.53	93.6
Sept	1,620,960	83,169	2.44	47.52	1.20	106.0	14,745	2,463	20.87	124.97	0.56	116.5
October	1,606,941	82,470	2.39	46.57	1.19	115.6	19,618	3,265	20.99	126.11	0.53	152.2
November	1,520,071	78,595	2.37	45.85	1.19	114.3	17,081	2,898	21.12	124.45	0.54	136.5
December	1,552,493	80,685	2.34	45.12	1.18	107.0	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
Year to Date												
2011	7,559,583	386,173	2.36	46.29	1.18	99.9	97,048	16,114	18.63	112.18	0.64	114.1
2012	6,618,278	340,534	2.42	47.08	1.28	108.2	60,494	10,153	22.40	133.48	0.53	103.2
2013	6,238,019	320,930	2.36	45.80	1.32	92.5	50,398	8,286	20.80	126.55	0.48	77.1
Rolling 12 Months Ending in May												
2012	17,586,796	903,029	2.41	47.02	1.23	102.1	180,198	30,196	21.48	128.16	0.55	112.4
2013	16,078,907	830,063	2.38	46.07	1.28	94.4	141,720	23,618	21.21	127.18	0.50	90.4

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
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See Glossary for definitions.
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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 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2003 - May 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	4.75	98.2	9,250,652	9,056,164	4.72	4.83	103.8	3.30
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	4.92	70.4	680,054	665,974	5.39	5.50	104.6	3.37
February	11,527	403	2.84	81.35	4.56	77.4	609,064	595,778	5.09	5.20	104.5	3.27
March	12,293	426	3.09	89.22	4.45	70.8	606,123	593,446	4.64	4.73	104.2	3.12
April	12,668	442	3.20	91.85	4.38	103.3	650,493	637,322	4.86	4.96	104.5	3.29
May	13,128	459	3.31	94.62	4.36	101.5	706,626	692,561	4.89	4.98	104.0	3.39
June	13,265	461	2.78	79.94	4.67	88.6	837,715	820,788	5.04	5.15	103.4	3.52
July	17,899	622	3.30	94.84	4.69	103.9	1,093,652	1,070,256	4.98	5.08	102.4	3.62
August	16,950	592	3.08	88.16	4.87	108.6	1,085,691	1,062,490	4.73	4.83	103.2	3.44
Sept	16,087	562	2.93	83.88	4.76	103.2	833,540	814,910	4.56	4.66	104.2	3.26
October	15,481	541	3.32	94.90	5.02	126.3	710,451	695,275	4.33	4.43	104.4	3.14
November	13,235	464	2.58	73.69	5.26	134.6	676,984	662,933	4.10	4.19	104.3	3.04
December	15,672	554	2.74	77.61	4.96	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
Year to Date												
2011	62,511	2,184	3.12	89.38	4.53	82.5	3,252,360	3,185,081	4.98	5.08	104.3	3.29
2012	55,578	1,942	2.61	74.59	5.39	95.1	4,209,309	4,118,383	3.09	3.16	102.8	2.79
2013	50,071	1,758	2.49	71.05	5.46	74.7	3,196,409	3,118,138	4.47	4.58	89.4	3.12
Rolling 12 Months Ending in May												
2012	164,167	5,738	2.85	81.66	5.06	104.6	10,207,601	9,989,466	3.97	4.06	103.2	3.10
2013	133,703	4,674	2.49	71.34	5.46	91.2	9,859,195	9,631,578	3.88	3.97	97.8	3.03

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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.
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 - May 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	13,723,817	691,484	2.41	47.75	1.17	100.3	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	1,160,136	58,691	2.35	46.38	1.12	108.5	13,842	2,284	19.55	118.45	0.52	131.5
April	1,081,336	54,492	2.39	47.40	1.15	110.2	11,543	1,898	20.30	123.47	0.40	90.8
May	1,089,570	54,652	2.45	48.80	1.17	99.4	16,158	2,618	19.03	117.46	0.75	138.8
June	1,109,431	55,560	2.40	47.87	1.21	88.6	15,427	2,528	21.88	133.55	0.66	144.9
July	1,119,264	56,067	2.46	49.04	1.19	80.2	9,455	1,569	21.86	131.77	0.47	82.3
August	1,238,455	61,790	2.49	49.93	1.19	90.7	9,575	1,579	20.63	125.10	0.43	90.3
Sept	1,200,682	60,402	2.46	48.91	1.18	108.2	10,186	1,683	20.94	126.69	0.49	118.0
October	1,186,062	59,898	2.42	47.86	1.15	118.3	13,068	2,171	21.63	130.21	0.48	146.6
November	1,120,387	56,990	2.39	47.03	1.17	116.6	11,052	1,853	21.75	129.72	0.48	124.5
December	1,158,628	59,362	2.37	46.27	1.15	109.6	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
Year to Date												
2011	5,590,907	281,415	2.37	47.18	1.16	100.9	65,763	10,831	18.80	114.16	0.55	113.9
2012	4,789,236	243,914	2.44	47.92	1.22	106.2	40,948	6,855	22.84	136.40	0.47	98.4
2013	4,629,879	236,041	2.39	46.90	1.25	94.0	33,364	5,465	21.00	128.23	0.44	78.6
Rolling 12 Months Ending in May												
2012	12,922,146	653,983	2.43	48.06	1.19	102.2	119,440	19,883	21.99	132.10	0.49	108.6
2013	11,702,651	597,332	2.41	47.19	1.20	93.6	94,181	15,586	21.52	129.90	0.44	87.8

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

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

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2003 - May 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	4.72	99.9	3,571,348	3,507,613	5.00	5.09	101.8	3.09
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	5.14	70.5	250,362	245,767	5.49	5.59	103.0	3.03
February	7,252	252	3.02	87.15	4.61	85.3	219,131	214,884	5.34	5.45	102.9	2.98
March	7,009	241	3.32	96.60	4.72	70.2	224,855	220,793	4.95	5.04	101.5	2.94
April	7,274	252	3.52	101.68	4.69	115.4	255,479	251,362	5.19	5.27	103.1	3.07
May	7,519	261	3.57	102.83	4.33	112.7	278,209	273,629	5.17	5.25	101.8	3.19
June	8,072	278	2.85	82.53	4.51	92.2	341,274	335,202	5.28	5.37	101.5	3.27
July	10,742	374	3.41	98.06	4.54	104.0	443,001	434,122	5.11	5.22	100.9	3.32
August	10,040	349	3.18	91.43	4.77	105.9	434,451	425,557	4.97	5.07	101.1	3.23
Sept	9,822	341	2.94	84.64	4.54	102.3	316,215	311,382	4.89	4.97	101.5	3.09
October	8,352	289	3.23	93.48	4.94	126.2	275,463	270,541	4.71	4.80	101.4	3.02
November	7,303	253	2.11	60.87	5.15	163.4	250,718	246,675	4.50	4.57	101.8	2.92
December	7,774	273	2.34	66.68	4.74	108.4	282,188	277,700	4.40	4.47	102.5	2.89
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
Year to Date												
2011	37,103	1,288	3.36	96.80	4.71	86.5	1,228,037	1,206,434	5.23	5.32	102.4	3.04
2012	25,594	888	2.05	59.16	5.23	98.3	1,610,613	1,579,701	3.46	3.53	101.4	2.82
2013	36,456	1,273	2.12	60.78	5.34	98.9	1,359,606	1,330,598	4.58	4.68	97.7	2.98
Rolling 12 Months Ending in May												
2012	87,698	3,045	2.66	76.70	4.87	106.3	3,953,923	3,880,880	4.30	4.38	101.4	3.00
2013	80,937	2,817	2.22	63.65	5.24	112.8	4,005,757	3,924,895	4.11	4.20	100.1	2.95

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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 - May 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
Year to Date												
2011	1,759,994	95,047	2.27	42.04	1.24	97.8	16,185	2,751	19.72	116.05	0.55	98.0
2012	1,641,144	87,774	2.30	43.05	1.41	116.0	10,555	1,797	23.20	136.27	0.45	102.0
2013	1,526,457	81,277	2.21	41.52	1.53	93.7	15,886	2,635	20.54	124.01	0.46	97.9
Rolling 12 Months Ending in May												
2012	4,173,434	226,022	2.29	42.34	1.31	102.0	35,969	6,142	21.41	125.39	0.46	109.8
2013	4,022,346	216,317	2.24	41.57	1.49	98.6	33,936	5,752	W	W	0.47	97.6

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Totals may not equal sum of components because of independent rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
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Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2003 - May 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
Year to Date												
2011	12,487	436	2.27	64.99	3.83	69.3	1,462,681	1,431,161	4.95	5.06	100.7	3.56
2012	12,892	450	W	W	5.38	122.2	2,000,715	1,954,751	2.88	2.95	100.1	W
2013	7,477	267	W	W	5.40	75.9	1,532,428	1,492,000	4.51	4.63	92.4	W
Rolling 12 Months Ending in May												
2012	34,049	1,189	W	W	5.13	105.4	4,790,073	4,682,207	3.80	3.88	100.5	W
2013	21,181	743	W	W	5.39	91.6	4,691,772	4,574,669	3.79	3.89	97.7	W

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

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

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2003 - May 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
Year to Date												
2011	15,354	723	2.86	60.79	1.80	93.4	912	150	18.38	111.43	0.59	85.3
2012	13,194	635	2.81	58.44	1.77	94.2	1,075	181	21.96	130.26	0.50	224.1
2013	1,897	82	W	W	2.94	12.1	0	0	--	--	--	0.0
Rolling 12 Months Ending in May												
2012	NM	NM	NM	NM	1.76	101.9	NM	NM	NM	NM	0.51	173.2
2013	19,409	917	W	W	2.01	59.3	NM	NM	NM	NM	0.50	55.5

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Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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 - May 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
Year to Date												
2011	134	5	W	W	5.37	113.8	34,988	34,263	5.59	5.71	107.0	W
2012	129	5	W	W	5.43	102.8	NM	NM	3.74	3.81	105.3	W
2013	0	0	--	--	--	0.0	1,946	1,930	W	W	5.2	W
Rolling 12 Months Ending in May												
2012	NM	NM	W	W	5.49	97.7	NM	NM	NM	NM	106.5	W
2013	NM	NM	W	W	5.70	61.0	NM	NM	W	W	64.3	W

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Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2003 - May 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	1.16	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	0.93	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
Year to Date												
2011	193,328	8,989	2.91	62.48	1.31	95.7	14,187	2,382	16.58	98.75	1.16	146.6
2012	174,704	8,212	3.02	64.27	1.47	96.0	7,916	1,319	19.16	114.95	0.95	128.1
2013	79,787	3,531	W	W	1.47	43.3	1,149	186	18.18	112.24	1.65	19.1
Rolling 12 Months Ending in May												
2012	457,484	21,427	2.98	63.56	1.39	99.8	NM	NM	18.87	112.13	0.98	137.5
2013	334,500	15,497	W	W	1.47	76.3	NM	NM	W	W	0.97	95.7

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Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
See the Technical Notes for fuel conversion factors.

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 - May 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
Year to Date												
2011	12,787	455	W	W	4.71	86.5	526,653	513,223	4.43	4.54	121.7	W
2012	16,963	599	W	W	5.64	78.3	555,530	542,360	2.73	2.80	118.3	W
2013	6,139	218	W	W	6.26	30.8	302,429	293,611	W	W	61.9	W
Rolling 12 Months Ending in May												
2012	42,156	1,495	W	W	5.37	100.6	1,360,854	1,325,765	3.59	3.69	120.6	W
2013	31,350	1,106	W	W	6.06	61.3	1,101,402	1,073,141	W	W	92.9	W

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

Notes:
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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, May 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	307	27	NM	69	17	236	NM	0	0	1	NM
Connecticut	85	0	--	0	0	85	0	0	0	0	0
Maine	3	3	-3.8%	0	0	2	3	0	0	1	1
Massachusetts	149	NM	NM	0	0	149	NM	0	0	0	NM
New Hampshire	69	17	308.0%	69	17	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	3,650	3,303	11.0%	0	NM	3,611	3,208	0	NM	39	92
New Jersey	116	60	91.0%	0	0	116	60	0	0	0	0
New York	277	39	612.0%	0	NM	245	NM	0	NM	32	16
Pennsylvania	3,257	3,204	1.7%	0	0	3,250	3,127	0	NM	7	NM
East North Central	15,831	14,022	13.0%	10,566	8,725	5,028	4,837	7	NM	231	427
Illinois	4,983	4,380	14.0%	646	505	4,179	3,620	0	8	158	248
Indiana	2,949	3,080	-4.3%	2,726	2,707	224	353	0	NM	0	NM
Michigan	2,813	2,012	40.0%	2,773	1,959	22	23	7	8	11	NM
Ohio	2,995	3,244	-7.7%	2,372	2,363	604	840	0	NM	20	39
Wisconsin	2,091	1,306	60.0%	2,049	1,191	0	0	0	NM	42	110
West North Central	10,119	9,822	3.0%	9,973	9,463	0	0	9	NM	137	334
Iowa	1,443	1,796	-20.0%	1,306	1,579	0	0	0	NM	137	200
Kansas	1,534	1,336	15.0%	1,534	1,336	0	0	0	0	0	0
Minnesota	875	912	-4.1%	875	842	0	0	0	NM	0	NM
Missouri	3,426	3,108	10.0%	3,417	3,092	0	0	9	6	0	NM
Nebraska	1,054	943	12.0%	1,054	905	0	0	0	0	0	NM
North Dakota	1,746	1,608	8.6%	1,746	1,591	0	0	0	0	0	NM
South Dakota	42	118	-64.0%	42	118	0	0	0	0	0	0
South Atlantic	8,983	9,319	-3.6%	7,287	7,618	1,594	1,407	0	NM	102	285
Delaware	56	15	279.0%	0	0	56	15	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,535	1,727	-11.0%	1,444	1,625	91	79	0	0	0	24
Georgia	1,367	2,018	-32.0%	1,342	1,981	0	0	0	0	25	37
Maryland	329	341	-3.6%	0	0	312	300	0	0	17	41
North Carolina	1,360	1,524	-11.0%	1,360	1,402	0	80	0	NM	0	38
South Carolina	867	886	-2.1%	867	869	0	0	0	0	0	NM
Virginia	917	431	112.0%	810	276	67	58	0	NM	39	93
West Virginia	2,552	2,376	7.4%	1,463	1,465	1,068	875	0	0	21	36
East South Central	6,799	7,723	-12.0%	6,574	7,126	82	411	0	NM	143	183
Alabama	1,750	2,065	-15.0%	1,750	2,032	0	NM	0	0	0	29
Kentucky	3,061	3,368	-9.1%	3,061	3,368	0	0	0	0	0	0
Mississippi	271	606	-55.0%	189	200	82	407	0	0	0	0
Tennessee	1,716	1,684	1.9%	1,574	1,527	0	0	0	NM	143	153
West South Central	12,514	12,389	1.0%	6,313	6,098	6,200	6,221	0	0	0	NM
Arkansas	1,425	1,280	11.0%	1,294	1,155	131	115	0	0	0	NM
Louisiana	1,444	1,381	4.6%	850	705	594	674	0	0	0	NM
Oklahoma	1,354	1,606	-16.0%	1,278	1,442	75	125	0	0	0	NM
Texas	8,290	8,122	2.1%	2,891	2,796	5,399	5,306	0	0	0	NM
Mountain	8,085	7,835	3.2%	7,478	7,343	564	367	0	0	43	125
Arizona	1,922	1,691	14.0%	1,922	1,665	0	0	0	0	0	NM
Colorado	1,249	1,311	-4.8%	1,249	1,292	0	18	0	0	0	0
Idaho	0	NM	NM	0	0	0	0	0	0	0	NM
Montana	518	278	86.0%	0	NM	518	257	0	0	0	NM
Nevada	215	283	-24.0%	169	254	46	29	0	0	0	0
New Mexico	1,103	1,155	-4.5%	1,103	1,155	0	0	0	0	0	0
Utah	1,322	1,138	16.0%	1,280	1,101	0	NM	0	0	43	7
Wyoming	1,756	1,970	-11.0%	1,756	1,858	0	NM	0	0	0	NM
Pacific Contiguous	76	249	-69.0%	0	0	10	184	0	0	66	64
California	76	111	-31.0%	0	0	10	NM	0	0	66	56
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	138	-100.0%	0	0	0	130	0	0	0	8
Pacific Noncontiguous	63	143	-56.0%	0	NM	63	75	0	42	0	NM
Alaska	0	NM	NM	0	NM	0	NM	0	42	0	0
Hawaii	63	68	-7.8%	0	0	63	61	0	0	0	NM
U.S. Total	66,427	64,833	2.5%	48,260	46,411	17,388	16,715	17	NM	761	1,593

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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) May 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	1,373	617	123.0%	396	186	963	402	0	0	14	29
Connecticut	155	14	NM	0	0	155	14	0	0	0	0
Maine	36	19	87.0%	0	0	22	12	0	0	14	7
Massachusetts	787	398	98.0%	0	0	787	377	0	0	0	22
New Hampshire	396	186	113.0%	396	186	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	14,740	18,036	-18.0%	0	NM	14,553	17,496	0	NM	188	524
New Jersey	383	293	31.0%	0	0	383	293	0	0	0	0
New York	1,249	679	84.0%	0	NM	1,104	541	0	NM	145	129
Pennsylvania	13,109	17,065	-23.0%	0	0	13,066	16,662	0	NM	43	395
East North Central	71,653	73,022	-1.9%	46,882	44,672	23,595	26,193	34	182	1,141	1,975
Illinois	23,005	24,482	-6.0%	2,590	2,386	19,622	20,869	0	38	793	1,190
Indiana	14,270	15,365	-7.1%	13,246	13,744	1,025	1,508	0	NM	0	41
Michigan	9,964	8,999	11.0%	9,834	8,789	42	43	34	44	54	124
Ohio	15,909	16,583	-4.1%	12,890	12,600	2,907	3,774	0	NM	112	205
Wisconsin	8,505	7,593	12.0%	8,323	7,153	0	0	0	24	182	416
West North Central	52,406	56,573	-7.4%	51,818	54,606	0	0	47	125	540	1,842
Iowa	7,546	10,287	-27.0%	7,005	9,143	0	0	0	88	540	1,055
Kansas	7,383	7,501	-1.6%	7,383	7,501	0	0	0	0	0	0
Minnesota	5,256	5,116	2.7%	5,256	4,699	0	0	0	NM	0	409
Missouri	16,849	18,050	-6.7%	16,802	17,971	0	0	47	28	0	51
Nebraska	5,702	5,905	-3.4%	5,702	5,677	0	0	0	0	0	228
North Dakota	8,990	9,118	-1.4%	8,990	9,019	0	0	0	0	0	NM
South Dakota	679	595	14.0%	679	595	0	0	0	0	0	0
South Atlantic	42,892	50,153	-14.0%	34,501	40,417	7,767	8,161	0	NM	623	1,532
Delaware	249	219	14.0%	0	0	249	219	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	7,048	7,588	-7.1%	6,841	7,169	207	303	0	0	0	116
Georgia	7,050	9,988	-29.0%	6,896	9,723	0	0	0	0	153	264
Maryland	2,513	2,477	1.4%	0	0	2,366	2,308	0	0	146	169
North Carolina	6,270	8,353	-25.0%	6,270	7,755	0	391	0	NM	0	185
South Carolina	3,922	5,645	-31.0%	3,884	5,488	0	46	0	0	38	111
Virginia	3,178	2,471	29.0%	2,760	1,702	231	279	0	20	187	471
West Virginia	12,662	13,412	-5.6%	7,849	8,580	4,714	4,616	0	0	99	216
East South Central	35,331	34,888	1.3%	33,258	32,453	1,399	1,498	0	19	674	918
Alabama	8,540	9,738	-12.0%	8,540	9,568	0	19	0	0	0	150
Kentucky	16,292	16,295	0.0%	16,292	16,295	0	0	0	0	0	0
Mississippi	2,267	2,623	-14.0%	868	1,144	1,399	1,479	0	0	0	0
Tennessee	8,231	6,232	32.0%	7,557	5,446	0	0	0	19	674	768
West South Central	57,837	61,602	-6.1%	30,302	32,798	27,535	28,445	0	0	0	359
Arkansas	6,708	7,479	-10.0%	6,052	6,262	655	1,168	0	0	0	49
Louisiana	5,859	6,836	-14.0%	3,077	3,134	2,782	3,693	0	0	0	NM
Oklahoma	7,119	8,512	-16.0%	6,676	7,791	443	521	0	0	0	199
Texas	38,152	38,775	-1.6%	14,497	15,610	23,655	23,063	0	0	0	NM
Mountain	42,522	42,526	0.0%	38,175	37,915	4,259	3,921	0	0	88	690
Arizona	8,692	9,614	-9.6%	8,692	9,467	0	0	0	0	0	147
Colorado	7,480	7,293	2.6%	7,480	7,203	0	90	0	0	0	0
Idaho	0	NM	NM	0	0	0	0	0	0	0	NM
Montana	3,947	3,350	18.0%	0	108	3,947	3,225	0	0	0	NM
Nevada	868	955	-9.1%	555	715	313	240	0	0	0	0
New Mexico	5,878	5,451	7.8%	5,878	5,451	0	0	0	0	0	0
Utah	5,800	4,748	22.0%	5,712	4,533	0	168	0	0	88	47
Wyoming	9,857	11,067	-11.0%	9,857	10,438	0	198	0	0	0	431
Pacific Contiguous	1,877	2,374	-21.0%	708	748	905	1,321	0	0	264	305
California	316	527	-40.0%	0	0	53	268	0	0	264	258
Oregon	708	748	-5.3%	708	748	0	0	0	0	0	0
Washington	852	1,099	-22.0%	0	0	852	1,052	0	0	0	47
Pacific Noncontiguous	299	743	-60.0%	0	113	299	338	0	256	0	37
Alaska	0	455	-100.0%	0	113	0	NM	0	256	0	0
Hawaii	299	288	3.8%	0	0	299	252	0	0	0	37
U.S. Total	320,930	340,534	-5.8%	236,041	243,914	81,277	87,774	82	635	3,531	8,212

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	20	110	-82.0%	0	NM	14	57	0	NM	5	NM
Connecticut	1	NM	NM	0	NM	1	44	0	0	0	NM
Maine	9	NM	NM	0	NM	4	NM	0	NM	5	NM
Massachusetts	10	NM	NM	0	NM	10	NM	0	NM	0	NM
New Hampshire	0	NM	NM	0	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	168	152	11.0%	29	NM	138	NM	0	40	2	NM
New Jersey	3	NM	NM	0	NM	3	NM	0	NM	0	NM
New York	136	NM	NM	29	NM	106	NM	0	40	1	14
Pennsylvania	28	NM	NM	0	NM	28	NM	0	NM	0	NM
East North Central	105	134	-21.0%	86	59	17	16	0	NM	2	57
Illinois	16	NM	NM	7	NM	10	9	0	NM	0	NM
Indiana	21	69	-69.0%	21	NM	0	NM	0	NM	0	56
Michigan	30	30	-1.0%	28	28	0	0	0	NM	2	0
Ohio	27	16	73.0%	20	NM	7	6	0	NM	0	0
Wisconsin	10	NM	NM	10	NM	0	NM	0	NM	0	NM
West North Central	51	93	-46.0%	51	90	0	NM	0	NM	0	NM
Iowa	12	43	-72.0%	12	43	0	NM	0	NM	0	NM
Kansas	14	NM	NM	14	NM	0	0	0	0	0	0
Minnesota	2	NM	NM	2	NM	0	NM	0	NM	0	NM
Missouri	13	NM	NM	13	NM	0	NM	0	NM	0	0
Nebraska	5	6	-21.0%	5	6	0	0	0	0	0	0
North Dakota	5	NM	NM	5	8	0	0	0	NM	0	NM
South Dakota	0	NM	NM	0	NM	0	NM	0	NM	0	0
South Atlantic	259	352	-26.0%	199	224	37	NM	0	NM	23	97
Delaware	2	NM	NM	0	NM	2	NM	0	0	0	0
District of Columbia	0	7	-100.0%	0	0	0	7	0	0	0	0
Florida	122	NM	NM	122	65	0	NM	0	0	0	NM
Georgia	21	48	-57.0%	18	28	0	NM	0	NM	3	NM
Maryland	33	NM	NM	0	NM	33	NM	0	NM	0	3
North Carolina	18	57	-69.0%	18	34	0	NM	0	NM	0	NM
South Carolina	23	84	-72.0%	6	62	0	0	0	NM	17	22
Virginia	24	NM	NM	19	3	2	6	0	1	3	NM
West Virginia	16	29	-44.0%	16	29	0	0	0	0	0	0
East South Central	32	66	-52.0%	32	50	0	NM	0	0	0	NM
Alabama	9	NM	NM	9	9	0	NM	0	0	0	NM
Kentucky	16	25	-35.0%	16	25	0	0	0	0	0	0
Mississippi	5	NM	NM	5	5	0	0	0	0	0	NM
Tennessee	2	NM	NM	2	11	0	0	0	0	0	NM
West South Central	32	41	-23.0%	7	24	25	12	0	NM	0	NM
Arkansas	11	NM	NM	6	12	5	1	0	0	0	NM
Louisiana	4	NM	NM	0	7	4	5	0	0	0	NM
Oklahoma	0	NM	NM	0	NM	0	0	0	NM	0	0
Texas	17	NM	NM	1	NM	16	6	0	NM	0	NM
Mountain	30	40	-24.0%	28	33	3	7	0	NM	0	NM
Arizona	7	6	17.0%	7	5	0	0	0	NM	0	NM
Colorado	0	NM	NM	0	NM	0	0	0	NM	0	NM
Idaho	0	NM	NM	0	NM	0	0	0	0	0	0
Montana	2	5	-64.0%	0	NM	2	4	0	0	0	0
Nevada	4	3	57.0%	3	1	1	1	0	0	0	0
New Mexico	7	17	-56.0%	7	16	0	NM	0	0	0	NM
Utah	2	NM	NM	2	NM	0	NM	0	0	0	0
Wyoming	8	4	96.0%	8	4	0	0	0	0	0	NM
Pacific Contiguous	5	NM	NM	5	6	0	NM	0	NM	0	NM
California	0	NM	NM	0	6	0	NM	0	NM	0	NM
Oregon	5	NM	NM	5	NM	0	0	0	NM	0	NM
Washington	0	NM	NM	0	NM	0	NM	0	NM	0	NM
Pacific Noncontiguous	705	1,015	-31.0%	537	768	168	195	0	NM	0	NM
Alaska	0	151	-100.0%	0	141	0	0	0	NM	0	NM
Hawaii	705	864	-18.0%	537	627	168	195	0	NM	0	NM
U.S. Total	1,406	2,029	-31.0%	974	1,279	401	393	0	NM	32	302

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	835	386	116.0%	105	NM	717	160	0	NM	13	153
Connecticut	116	NM	NM	0	NM	116	NM	0	0	0	NM
Maine	380	213	78.0%	0	NM	366	NM	0	NM	13	145
Massachusetts	214	NM	NM	0	NM	214	NM	0	NM	0	NM
New Hampshire	105	NM	NM	105	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	1,010	1,020	-1.0%	195	296	799	517	0	111	16	NM
New Jersey	33	NM	NM	0	NM	33	NM	0	NM	0	NM
New York	790	745	6.1%	195	292	580	266	0	109	15	NM
Pennsylvania	187	243	-23.0%	0	NM	186	228	0	NM	1	NM
East North Central	461	535	-14.0%	380	383	71	66	0	NM	10	76
Illinois	52	59	-12.0%	17	NM	35	40	0	NM	0	NM
Indiana	101	145	-30.0%	101	78	0	NM	0	NM	0	66
Michigan	102	118	-14.0%	95	105	0	0	0	NM	7	4
Ohio	169	185	-8.6%	131	155	35	25	0	NM	2	4
Wisconsin	37	29	27.0%	35	26	1	NM	0	NM	1	NM
West North Central	214	297	-28.0%	214	285	0	NM	0	NM	0	NM
Iowa	51	96	-47.0%	51	94	0	NM	0	NM	0	NM
Kansas	43	NM	NM	43	NM	0	0	0	0	0	0
Minnesota	10	NM	NM	10	14	0	NM	0	NM	0	NM
Missouri	53	81	-34.0%	53	80	0	NM	0	NM	0	0
Nebraska	18	21	-15.0%	18	21	0	0	0	0	0	0
North Dakota	36	39	-9.5%	36	34	0	0	0	NM	0	NM
South Dakota	5	NM	NM	5	NM	0	NM	0	NM	0	0
South Atlantic	1,231	1,583	-22.0%	902	842	182	NM	0	NM	146	565
Delaware	19	NM	NM	0	NM	19	NM	0	0	0	0
District of Columbia	0	NM	NM	0	0	0	NM	0	0	0	0
Florida	515	NM	NM	509	183	6	NM	0	0	0	NM
Georgia	121	282	-57.0%	75	156	4	NM	0	NM	42	124
Maryland	83	131	-36.0%	0	NM	83	59	0	NM	0	64
North Carolina	157	263	-40.0%	108	154	49	NM	0	NM	0	106
South Carolina	129	280	-54.0%	41	173	0	0	0	NM	88	107
Virginia	128	191	-33.0%	90	83	22	41	0	3	15	NM
West Virginia	79	93	-16.0%	79	84	0	10	0	0	0	0
East South Central	389	248	57.0%	389	164	0	NM	0	0	0	NM
Alabama	86	106	-19.0%	86	37	0	NM	0	0	0	66
Kentucky	75	83	-8.6%	75	83	0	0	0	0	0	0
Mississippi	8	NM	NM	8	NM	0	0	0	0	0	NM
Tennessee	221	46	375.0%	221	37	0	0	0	0	0	NM
West South Central	122	142	-14.0%	37	65	86	57	0	NM	0	NM
Arkansas	27	47	-43.0%	10	32	16	10	0	0	0	NM
Louisiana	27	NM	NM	5	11	22	11	0	0	0	NM
Oklahoma	1	NM	NM	1	NM	0	0	0	NM	0	0
Texas	67	61	10.0%	20	19	47	36	0	NM	0	NM
Mountain	162	208	-22.0%	154	184	8	19	0	NM	0	NM
Arizona	50	42	21.0%	50	39	0	0	0	NM	0	NM
Colorado	4	17	-78.0%	4	16	0	0	0	NM	0	NM
Idaho	0	NM	NM	0	NM	0	0	0	0	0	0
Montana	5	14	-63.0%	0	NM	5	11	0	0	0	0
Nevada	12	17	-31.0%	9	13	3	4	0	0	0	0
New Mexico	33	56	-40.0%	33	52	0	NM	0	0	0	NM
Utah	27	28	-3.8%	27	28	0	NM	0	0	0	0
Wyoming	30	34	-12.0%	30	33	0	0	0	0	0	NM
Pacific Contiguous	25	148	-83.0%	20	29	5	NM	0	NM	0	NM
California	0	NM	NM	0	29	0	NM	0	NM	0	NM
Oregon	5	NM	NM	5	NM	0	0	0	NM	0	NM
Washington	20	NM	NM	15	NM	5	4	0	NM	0	NM
Pacific Noncontiguous	3,837	5,586	-31.0%	3,068	4,578	769	771	0	NM	0	231
Alaska	0	759	-100.0%	0	711	0	0	0	NM	0	43
Hawaii	3,837	4,826	-21.0%	3,068	3,867	769	771	0	2	0	187
U.S. Total	8,286	10,153	-18.0%	5,465	6,855	2,635	1,797	0	181	186	1,319

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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, May 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 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	67	88	-24.0%	0	8	57	50	0	0	10	30
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	4	NM	NM	0	0	4	4	0	0	0	NM
Ohio	53	57	-5.8%	0	0	53	46	0	0	0	NM
Wisconsin	10	19	-50.0%	0	8	0	0	0	0	10	12
West North Central	0	NM	NM	0	NM	0	0	0	0	0	0
Iowa	0	NM	NM	0	NM	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	124	58	113.0%	116	31	0	0	0	0	8	27
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	116	31	274.0%	116	31	0	0	0	0	0	0
Georgia	8	27	-71.0%	0	0	0	0	0	0	8	27
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	18	36	-49.0%	18	36	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	18	36	-49.0%	18	36	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	122	59.0%	167	57	0	0	0	0	28	65
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	167	72	132.0%	167	57	0	0	0	0	0	NM
Oklahoma	0	NM	NM	0	0	0	0	0	0	0	NM
Texas	28	50	-44.0%	0	0	0	0	0	0	28	50
Mountain	0	15	-100.0%	0	0	0	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	0	15	-100.0%	0	0	0	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	0	NM	NM	0	0	0	NM	0	0	0	NM
California	0	NM	NM	0	0	0	NM	0	0	0	NM
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	403	333	21.0%	301	133	57	68	0	0	45	131

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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) May 2013 and 2012
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 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	339	457	-26.0%	14	21	267	254	0	0	59	182
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	21	56	-63.0%	14	0	7	6	0	0	0	51
Ohio	260	316	-18.0%	0	0	260	248	0	0	0	68
Wisconsin	59	84	-31.0%	0	21	0	0	0	0	59	64
West North Central	0	NM	NM	0	NM	0	0	0	5	0	0
Iowa	0	NM	NM	0	NM	0	0	0	5	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	371	321	15.0%	347	235	0	0	0	0	24	87
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	347	235	48.0%	347	235	0	0	0	0	0	0
Georgia	24	87	-73.0%	0	0	0	0	0	0	24	87
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	225	205	9.4%	225	205	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	225	205	9.4%	225	205	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	823	702	17.0%	687	427	0	NM	0	0	136	273
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	687	519	33.0%	687	427	0	0	0	0	0	92
Oklahoma	0	NM	NM	0	0	0	0	0	0	0	NM
Texas	136	182	-25.0%	0	0	0	NM	0	0	136	179
Mountain	0	103	-100.0%	0	0	0	103	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	103	-100.0%	0	0	0	103	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	126	-100.0%	0	0	0	87	0	0	0	39
California	0	126	-100.0%	0	0	0	87	0	0	0	39
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	1,758	1,942	-9.5%	1,273	888	267	450	0	5	218	599

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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, May 2013 and 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	33,070	37,059	-11.0%	81	308	31,869	33,115	0	1,026	1,119	2,610
Connecticut	9,193	8,317	11.0%	0	93	9,193	7,560	0	251	0	413
Maine	2,510	2,694	-6.8%	0	0	1,391	870	0	NM	1,119	1,822
Massachusetts	14,825	15,732	-5.8%	59	212	14,766	14,559	0	615	0	346
New Hampshire	1,281	4,585	-72.0%	22	0	1,259	4,556	0	0	0	NM
Rhode Island	5,260	5,728	-8.2%	0	0	5,260	5,569	0	159	0	0
Vermont	0	3	-100.0%	0	3	0	0	0	0	0	0
Middle Atlantic	74,620	97,578	-24.0%	9,516	11,699	64,988	82,995	0	822	116	2,062
New Jersey	15,811	22,382	-29.0%	0	0	15,811	21,532	0	168	0	683
New York	32,118	43,708	-27.0%	9,516	11,690	22,550	31,048	0	587	52	383
Pennsylvania	26,691	31,488	-15.0%	0	9	26,627	30,415	0	67	64	997
East North Central	37,262	67,166	-45.0%	14,048	23,085	22,695	39,203	362	1,501	157	3,377
Illinois	3,263	8,332	-61.0%	653	1,690	2,607	5,309	0	344	4	988
Indiana	5,768	12,539	-54.0%	4,344	8,625	1,424	2,668	0	142	0	1,104
Michigan	11,631	20,991	-45.0%	2,975	3,108	8,204	16,706	362	601	91	576
Ohio	13,490	14,758	-8.6%	4,532	4,555	8,949	9,778	0	190	9	235
Wisconsin	3,110	10,545	-71.0%	1,543	5,107	1,512	4,742	0	NM	54	474
West North Central	9,617	18,903	-49.0%	7,681	14,841	1,834	2,988	102	433	0	641
Iowa	1,304	1,248	4.5%	1,304	1,206	0	NM	0	NM	0	NM
Kansas	1,689	4,464	-62.0%	1,689	4,455	0	0	0	0	0	NM
Minnesota	3,375	6,669	-49.0%	2,504	4,794	871	1,182	0	NM	0	406
Missouri	3,047	5,361	-43.0%	1,982	3,437	963	1,806	102	111	0	NM
Nebraska	190	823	-77.0%	190	722	0	0	0	NM	0	NM
North Dakota	0	NM	NM	0	0	0	0	0	0	0	NM
South Dakota	11	NM	NM	11	NM	0	0	0	0	0	0
South Atlantic	150,894	196,713	-23.0%	120,517	142,378	27,101	48,276	0	NM	3,276	5,780
Delaware	5,405	5,630	-4.0%	0	23	3,328	5,130	0	0	2,077	477
District of Columbia	0	96	-100.0%	0	96	0	0	0	0	0	0
Florida	85,083	110,192	-23.0%	80,128	95,852	4,955	11,909	0	NM	0	2,389
Georgia	21,894	30,791	-29.0%	16,264	17,168	4,864	12,297	0	0	766	1,326
Maryland	3,193	8,793	-64.0%	0	0	3,029	8,116	0	185	163	492
North Carolina	15,701	13,535	16.0%	9,934	11,041	5,767	2,153	0	NM	0	NM
South Carolina	6,564	11,332	-42.0%	6,312	8,794	229	2,387	0	NM	23	NM
Virginia	12,698	15,986	-21.0%	7,853	9,382	4,598	6,052	0	0	247	NM
West Virginia	358	358	-0.2%	27	23	331	233	0	0	0	102
East South Central	43,891	86,478	-49.0%	27,067	47,174	16,821	35,670	0	NM	3	3,445
Alabama	20,782	40,855	-49.0%	6,549	10,556	14,232	27,858	0	0	0	2,442
Kentucky	1,695	5,592	-70.0%	923	4,704	772	552	0	0	0	336
Mississippi	19,981	33,402	-40.0%	18,164	25,563	1,817	7,260	0	NM	0	NM
Tennessee	1,433	6,628	-78.0%	1,430	6,351	0	0	0	150	3	127
West South Central	206,117	294,334	-30.0%	51,901	82,887	102,629	137,070	0	NM	51,587	73,657
Arkansas	5,487	12,436	-56.0%	124	2,816	5,363	8,943	0	NM	0	NM
Louisiana	32,757	57,669	-43.0%	13,274	24,791	5,932	9,609	0	NM	13,551	23,213
Oklahoma	19,772	32,444	-39.0%	14,783	21,565	4,989	10,364	0	NM	0	NM
Texas	148,100	191,786	-23.0%	23,720	33,715	86,345	108,154	0	NM	38,036	49,413
Mountain	36,106	56,377	-36.0%	25,468	35,014	10,576	NM	0	NM	61	NM
Arizona	9,386	17,065	-45.0%	5,241	10,773	4,145	6,125	0	NM	0	NM
Colorado	5,697	8,163	-30.0%	2,769	4,496	2,927	NM	0	0	0	NM
Idaho	990	387	156.0%	421	198	569	NM	0	0	0	NM
Montana	0	NM	NM	0	NM	0	NM	0	0	0	0
Nevada	11,965	NM	NM	11,335	12,229	630	NM	0	NM	0	NM
New Mexico	5,601	NM	NM	3,631	3,738	1,970	NM	0	NM	0	NM
Utah	2,460	NM	NM	2,063	3,417	335	638	0	NM	61	NM
Wyoming	7	2,215	-100.0%	7	NM	0	NM	0	0	0	2,158
Pacific Contiguous	51,914	NM	NM	19,572	24,280	28,571	NM	0	NM	3,771	NM
California	47,676	NM	NM	16,977	23,566	26,927	NM	0	NM	3,771	NM
Oregon	2,826	1,784	58.0%	1,182	94	1,644	1,478	0	NM	0	NM
Washington	1,412	1,698	-17.0%	1,412	620	0	656	0	NM	0	273
Pacific Noncontiguous	2,051	3,549	-42.0%	2,051	3,470	0	0	0	NM	0	NM
Alaska	2,051	3,549	-42.0%	2,051	3,470	0	0	0	NM	0	NM
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	645,542	940,516	-31.0%	277,902	385,135	307,084	438,865	464	NM	60,091	108,849

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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) May 2013 and 2012
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	133,515	177,684	-25.0%	419	993	127,428	157,626	0	5,495	5,668	13,570
Connecticut	42,783	42,877	-0.2%	0	350	42,783	39,134	0	1,313	0	2,080
Maine	14,022	20,158	-30.0%	0	0	8,354	10,510	0	NM	5,668	9,640
Massachusetts	52,928	69,061	-23.0%	279	572	52,649	63,453	0	3,336	0	1,700
New Hampshire	8,856	21,101	-58.0%	141	55	8,715	20,897	0	0	0	NM
Rhode Island	14,927	24,471	-39.0%	0	0	14,927	23,633	0	839	0	0
Vermont	0	16	-100.0%	0	16	0	0	0	0	0	0
Middle Atlantic	356,067	433,986	-18.0%	40,444	47,515	314,752	371,176	0	4,513	871	10,781
New Jersey	70,989	87,364	-19.0%	0	0	70,989	82,952	0	862	0	3,550
New York	151,326	183,211	-17.0%	40,444	47,495	110,547	130,255	0	3,353	335	2,108
Pennsylvania	133,752	163,411	-18.0%	0	20	133,216	157,969	0	NM	535	5,123
East North Central	171,369	291,866	-41.0%	63,365	97,452	104,754	166,061	1,688	9,533	1,562	18,820
Illinois	13,493	30,935	-56.0%	1,834	4,925	11,631	18,048	0	2,795	28	5,167
Indiana	29,167	56,339	-48.0%	20,015	38,628	9,152	10,949	0	750	0	6,012
Michigan	41,915	93,480	-55.0%	8,441	16,158	31,169	70,075	1,688	3,680	618	3,568
Ohio	63,457	71,016	-11.0%	21,612	17,565	41,812	51,262	0	935	33	1,254
Wisconsin	23,337	40,095	-42.0%	11,464	20,176	10,990	15,727	0	1,373	883	2,819
West North Central	43,531	59,262	-27.0%	36,592	45,704	6,690	6,993	242	2,713	7	3,852
Iowa	5,368	3,787	42.0%	5,361	3,569	0	NM	0	190	7	NM
Kansas	5,525	11,332	-51.0%	5,525	11,288	0	0	0	0	0	NM
Minnesota	18,365	23,841	-23.0%	15,700	16,879	2,665	2,731	0	1,864	0	2,366
Missouri	13,452	17,114	-21.0%	9,186	12,177	4,024	4,261	242	637	0	NM
Nebraska	473	1,828	-74.0%	473	1,181	0	0	0	NM	0	625
North Dakota	0	751	-100.0%	0	0	0	0	0	0	0	751
South Dakota	347	609	-43.0%	347	609	0	0	0	0	0	0
South Atlantic	709,458	817,615	-13.0%	576,893	597,419	118,501	186,195	0	1,334	14,063	32,666
Delaware	22,291	28,848	-23.0%	0	74	14,789	22,342	0	0	7,502	6,431
District of Columbia	0	456	-100.0%	0	456	0	0	0	0	0	0
Florida	385,968	462,930	-17.0%	368,459	407,829	17,509	43,508	0	NM	0	11,384
Georgia	117,042	118,710	-1.4%	87,308	64,512	25,420	47,225	0	0	4,314	6,973
Maryland	6,760	23,951	-72.0%	0	0	6,467	20,910	0	950	293	2,091
North Carolina	76,529	59,535	29.0%	50,434	47,915	25,923	9,937	0	NM	171	NM
South Carolina	33,947	45,860	-26.0%	32,741	36,186	1,088	8,884	0	NM	118	NM
Virginia	65,844	75,978	-13.0%	37,767	40,394	26,413	32,637	0	0	1,664	2,946
West Virginia	1,077	1,346	-20.0%	185	53	892	753	0	0	0	540
East South Central	245,176	352,854	-31.0%	143,145	190,328	101,960	144,953	0	952	71	16,621
Alabama	126,156	176,931	-29.0%	37,526	45,690	88,630	120,152	0	0	0	11,089
Kentucky	7,084	17,317	-59.0%	6,020	14,319	1,064	1,073	0	0	0	1,926
Mississippi	96,694	135,682	-29.0%	84,428	109,156	12,266	23,728	0	NM	0	2,616
Tennessee	15,242	22,924	-34.0%	15,172	21,164	0	0	0	770	71	990
West South Central	959,888	1,266,553	-24.0%	223,762	305,790	482,778	589,439	0	3,530	253,348	367,793
Arkansas	36,856	54,229	-32.0%	488	7,735	36,368	42,159	0	NM	0	4,332
Louisiana	164,233	233,080	-30.0%	64,759	83,604	26,154	38,086	0	NM	73,320	111,122
Oklahoma	87,177	126,657	-31.0%	69,175	87,522	18,003	36,519	0	NM	0	1,845
Texas	671,621	852,586	-21.0%	89,340	126,929	402,253	472,674	0	2,488	180,028	250,495
Mountain	180,624	243,687	-26.0%	120,988	144,068	59,310	88,258	0	NM	326	NM
Arizona	47,570	78,987	-40.0%	22,768	39,765	24,802	38,708	0	NM	0	NM
Colorado	28,215	32,986	-14.0%	16,189	20,010	12,026	NM	0	NM	0	NM
Idaho	6,734	5,451	24.0%	2,409	551	4,325	4,065	0	0	0	835
Montana	0	535	-100.0%	0	481	0	NM	0	0	0	0
Nevada	58,513	68,088	-14.0%	49,988	48,469	8,525	NM	0	NM	0	NM
New Mexico	23,617	29,293	-19.0%	15,430	17,350	8,187	NM	0	NM	0	NM
Utah	15,932	21,426	-26.0%	14,161	17,289	1,445	2,617	0	NM	326	NM
Wyoming	43	6,920	-99.0%	43	152	0	NM	0	0	0	6,728
Pacific Contiguous	307,705	455,530	-32.0%	114,183	131,596	175,827	244,049	0	NM	17,696	NM
California	254,813	401,700	-37.0%	86,517	109,185	150,600	216,781	0	NM	17,696	NM
Oregon	37,154	35,466	4.8%	12,425	11,048	24,728	22,878	0	489	0	1,051
Washington	15,739	18,364	-14.0%	15,240	11,363	499	4,389	0	988	0	1,624
Pacific Noncontiguous	10,806	19,346	-44.0%	10,806	18,835	0	0	0	NM	0	473
Alaska	10,806	19,346	-44.0%	10,806	18,835	0	0	0	NM	0	473
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	3,118,138	4,118,383	-24.0%	1,330,598	1,579,701	1,492,000	1,954,751	1,930	NM	293,611	542,360

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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, May 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012
New England	W	W	W	4.03	4.14	W	W
Connecticut	W	--	W	--	--	W	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.03	4.14	-2.7%	4.03	4.14	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.60	2.42	7.4%	--	NM	2.60	2.42
New Jersey	3.69	W	W	--	--	3.69	W
New York	2.98	W	W	--	NM	2.98	W
Pennsylvania	2.54	2.37	7.2%	--	--	2.54	2.37
East North Central	2.30	2.47	-6.9%	2.43	2.57	1.99	2.27
Illinois	1.91	1.98	-3.5%	2.06	2.12	1.88	1.96
Indiana	W	W	W	2.55	2.67	W	W
Michigan	W	W	W	2.65	2.92	W	W
Ohio	W	2.60	W	2.23	2.40	W	3.17
Wisconsin	2.37	2.37	0.0%	2.37	2.37	--	--
West North Central	1.79	1.75	2.3%	1.79	1.75	--	--
Iowa	1.62	1.51	7.3%	1.62	1.51	--	--
Kansas	1.76	1.88	-6.4%	1.76	1.88	--	--
Minnesota	2.11	2.00	5.5%	2.11	2.00	--	--
Missouri	1.92	1.84	4.3%	1.92	1.84	--	--
Nebraska	1.49	1.57	-5.1%	1.49	1.57	--	--
North Dakota	1.64	1.59	3.1%	1.64	1.59	--	--
South Dakota	2.20	2.17	1.4%	2.20	2.17	--	--
South Atlantic	3.22	3.39	-5.0%	3.36	3.50	2.62	2.82
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.59	3.55	W	W
Georgia	3.28	3.61	-9.1%	3.28	3.61	--	--
Maryland	3.54	3.50	1.1%	--	--	3.54	3.50
North Carolina	3.83	3.82	0.3%	3.83	3.85	--	3.26
South Carolina	3.72	3.89	-4.4%	3.72	3.89	--	--
Virginia	W	3.79	W	3.22	3.76	W	3.89
West Virginia	2.38	2.55	-6.7%	2.62	2.70	2.06	2.28
East South Central	W	W	W	2.53	2.71	W	W
Alabama	2.81	W	W	2.81	3.08	--	W
Kentucky	2.32	2.45	-5.3%	2.32	2.45	--	--
Mississippi	W	W	W	3.92	4.67	W	W
Tennessee	2.50	2.52	-0.8%	2.50	2.52	--	--
West South Central	2.07	2.02	2.5%	2.22	2.09	1.91	1.96
Arkansas	W	W	W	2.33	2.17	W	W
Louisiana	W	W	W	2.69	2.81	W	W
Oklahoma	W	W	W	1.97	1.91	W	W
Texas	1.96	1.93	1.6%	2.14	1.97	1.86	1.91
Mountain	W	1.82	W	1.94	1.84	W	1.40
Arizona	2.02	2.08	-2.9%	2.02	2.08	--	--
Colorado	1.94	W	W	1.94	1.80	--	W
Idaho	--	--	--	--	--	--	--
Montana	W	1.19	W	--	NM	W	1.17
Nevada	W	W	W	2.90	2.45	W	W
New Mexico	2.35	2.23	5.4%	2.35	2.23	--	--
Utah	1.99	W	W	1.99	1.76	--	W
Wyoming	1.43	W	W	1.43	1.33	--	W
Pacific Contiguous	W	2.62	W	--	--	W	2.62
California	W	W	W	--	--	W	W
Oregon	--	--	--	--	--	--	--
Washington	--	W	W	--	--	--	W
Pacific Noncontiguous	W	W	W	--	NM	W	W
Alaska	--	W	W	--	NM	--	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.36	2.42	-2.5%	2.41	2.47	2.23	2.27

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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) May 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	3.90	3.73	4.6%	4.29	3.97	3.72	3.61
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	4.29	3.97	8.1%	4.29	3.97	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.59	2.56	1.2%	--	NM	2.59	2.56
New Jersey	3.73	4.15	-10.0%	--	--	3.73	4.15
New York	2.95	3.55	-17.0%	--	NM	2.95	3.55
Pennsylvania	2.53	2.50	1.2%	--	--	2.53	2.50
East North Central	2.28	2.41	-5.4%	2.43	2.54	1.96	2.17
Illinois	1.89	1.94	-2.6%	2.11	2.11	1.86	1.92
Indiana	W	W	W	2.55	2.62	W	W
Michigan	W	W	W	2.78	2.92	W	W
Ohio	W	2.59	W	2.22	2.41	W	3.16
Wisconsin	2.30	2.30	0.0%	2.30	2.30	--	--
West North Central	1.77	1.72	2.9%	1.77	1.72	--	--
Iowa	1.63	1.47	11.0%	1.63	1.47	--	--
Kansas	1.81	1.83	-1.1%	1.81	1.83	--	--
Minnesota	2.03	1.95	4.1%	2.03	1.95	--	--
Missouri	1.91	1.86	2.7%	1.91	1.86	--	--
Nebraska	1.48	1.55	-4.5%	1.48	1.55	--	--
North Dakota	1.54	1.50	2.7%	1.54	1.50	--	--
South Dakota	2.04	2.29	-11.0%	2.04	2.29	--	--
South Atlantic	3.25	3.37	-3.6%	3.37	3.47	2.74	2.87
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.50	3.50	W	W
Georgia	3.29	3.55	-7.3%	3.29	3.55	--	--
Maryland	3.62	3.52	2.8%	--	--	3.62	3.52
North Carolina	3.85	3.80	1.3%	3.85	3.82	--	3.18
South Carolina	3.78	W	W	3.78	4.01	--	W
Virginia	W	W	W	3.38	3.73	W	W
West Virginia	2.49	2.50	-0.4%	2.73	2.65	2.10	2.22
East South Central	W	W	W	2.53	2.70	W	W
Alabama	2.77	W	W	2.77	3.01	--	W
Kentucky	2.37	2.44	-2.9%	2.37	2.44	--	--
Mississippi	W	W	W	4.13	4.42	W	W
Tennessee	2.45	2.62	-6.5%	2.45	2.62	--	--
West South Central	2.11	2.06	2.4%	2.26	2.07	1.93	2.05
Arkansas	W	W	W	2.38	2.08	W	W
Louisiana	W	W	W	2.86	2.73	W	W
Oklahoma	W	W	W	2.03	1.98	W	W
Texas	2.01	2.00	0.5%	2.19	1.98	1.89	2.02
Mountain	W	1.83	W	1.92	1.88	W	1.36
Arizona	2.05	2.05	0.0%	2.05	2.05	--	--
Colorado	1.91	W	W	1.91	1.85	--	W
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	1.50	W	W
Nevada	W	W	W	2.54	2.59	W	W
New Mexico	2.31	2.24	3.1%	2.31	2.24	--	--
Utah	1.99	W	W	1.99	1.90	--	W
Wyoming	1.50	W	W	1.50	1.47	--	W
Pacific Contiguous	W	2.29	W	1.92	1.89	W	2.49
California	W	W	W	--	--	W	W
Oregon	1.92	1.89	1.6%	1.92	1.89	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	--	1.68	W	W
Alaska	--	W	W	--	1.68	--	W
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.35	2.41	-2.5%	2.39	2.44	2.21	2.30

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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, May 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012
New England	17.02	W	W	23.07	NM	16.95	W
Connecticut	W	W	W	--	NM	W	W
Maine	W	NM	W	--	NM	W	NM
Massachusetts	W	NM	W	--	NM	W	NM
New Hampshire	23.07	W	W	23.07	NM	--	W
Rhode Island	--	W	W	--	NM	--	W
Vermont	--	NM	--	--	NM	--	--
Middle Atlantic	W	22.15	W	23.99	NM	W	22.29
New Jersey	20.52	NM	NM	--	NM	20.52	NM
New York	W	NM	W	23.99	NM	W	NM
Pennsylvania	21.32	22.01	-3.1%	--	NM	21.32	22.01
East North Central	23.03	23.07	-0.2%	23.04	22.88	22.97	23.78
Illinois	23.86	W	W	24.28	NM	23.56	W
Indiana	23.44	W	W	23.44	22.73	--	W
Michigan	23.09	22.69	1.8%	23.09	22.69	--	--
Ohio	22.36	W	W	22.43	22.42	22.17	W
Wisconsin	22.45	W	W	22.45	24.22	--	W
West North Central	22.48	22.42	0.3%	22.48	22.40	--	NM
Iowa	22.43	W	W	22.43	22.51	--	W
Kansas	22.30	21.95	1.6%	22.30	21.95	--	--
Minnesota	23.43	W	W	23.43	23.71	--	W
Missouri	22.10	W	W	22.10	21.18	--	W
Nebraska	22.21	22.54	-1.5%	22.21	22.54	--	--
North Dakota	23.95	23.47	2.0%	23.95	23.47	--	--
South Dakota	--	W	W	--	NM	--	W
South Atlantic	19.80	21.91	-9.6%	19.66	22.26	20.54	NM
Delaware	W	W	W	--	NM	W	W
District of Columbia	--	W	W	--	--	--	W
Florida	W	NM	W	18.71	22.79	W	NM
Georgia	22.67	W	W	22.67	23.69	--	W
Maryland	20.30	NM	NM	--	NM	20.30	NM
North Carolina	21.72	22.24	-2.3%	21.72	22.28	--	NM
South Carolina	21.76	21.36	1.9%	21.76	21.36	--	--
Virginia	W	21.55	W	17.81	19.63	W	22.62
West Virginia	23.22	21.94	5.8%	23.22	21.94	--	--
East South Central	22.07	W	W	22.07	22.13	--	W
Alabama	21.10	W	W	21.10	22.39	--	W
Kentucky	22.84	22.05	3.6%	22.84	22.05	--	--
Mississippi	21.79	NM	NM	21.79	NM	--	--
Tennessee	20.91	22.25	-6.0%	20.91	22.25	--	--
West South Central	W	22.26	W	23.98	22.29	W	22.19
Arkansas	W	W	W	22.42	23.06	W	W
Louisiana	W	W	W	--	21.21	W	W
Oklahoma	--	NM	--	--	NM	--	--
Texas	22.61	W	W	31.96	21.97	21.95	W
Mountain	W	24.04	W	23.68	24.72	W	20.32
Arizona	25.34	23.60	7.4%	25.34	23.60	--	--
Colorado	--	24.04	--	--	24.04	--	--
Idaho	--	NM	--	--	NM	--	--
Montana	W	W	W	--	NM	W	W
Nevada	W	W	W	24.05	26.45	W	W
New Mexico	23.14	W	W	23.14	25.67	--	W
Utah	24.03	W	W	24.03	24.04	--	W
Wyoming	22.82	23.51	-2.9%	22.82	23.51	--	--
Pacific Contiguous	22.22	W	W	22.22	25.39	--	W
California	--	W	W	--	25.40	--	W
Oregon	22.22	NM	NM	22.22	NM	--	--
Washington	--	W	W	--	NM	--	W
Pacific Noncontiguous	W	W	W	20.48	23.88	W	W
Alaska	--	23.89	--	--	23.89	--	--
Hawaii	W	W	W	20.48	23.88	W	W
U.S. Total	20.77	23.32	-11.0%	20.89	23.34	20.47	23.23

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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) May 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	W	W	W	17.23	NM	W	W
Connecticut	20.14	NM	NM	--	NM	20.14	NM
Maine	W	W	W	--	NM	W	W
Massachusetts	19.44	22.60	-14.0%	--	NM	19.44	22.66
New Hampshire	17.23	W	W	17.23	NM	--	W
Rhode Island	W	W	W	--	NM	W	W
Vermont	--	NM	--	--	NM	--	--
Middle Atlantic	19.97	21.82	-8.5%	20.20	20.29	19.91	22.72
New Jersey	21.52	NM	NM	--	NM	21.52	NM
New York	19.36	21.32	-9.2%	20.20	20.28	19.06	22.47
Pennsylvania	22.78	23.03	-1.1%	--	NM	22.78	23.03
East North Central	23.25	23.32	-0.3%	23.23	23.17	23.38	24.21
Illinois	W	W	W	23.97	23.99	W	W
Indiana	23.39	W	W	23.39	23.57	--	W
Michigan	23.23	22.82	1.8%	23.23	22.82	--	--
Ohio	23.14	23.21	-0.3%	23.12	23.15	23.19	23.60
Wisconsin	W	W	W	22.76	22.90	W	W
West North Central	22.83	22.72	0.5%	22.83	22.70	--	NM
Iowa	23.00	W	W	23.00	23.05	--	W
Kansas	22.68	22.78	-0.4%	22.68	22.78	--	--
Minnesota	26.65	W	W	26.65	24.23	--	W
Missouri	22.02	W	W	22.02	21.28	--	W
Nebraska	22.46	22.90	-1.9%	22.46	22.90	--	--
North Dakota	23.08	23.85	-3.2%	23.08	23.85	--	--
South Dakota	23.30	W	W	23.30	24.84	--	W
South Atlantic	W	W	W	20.24	23.06	W	W
Delaware	W	23.97	W	--	NM	W	24.05
District of Columbia	--	W	W	--	--	--	W
Florida	W	NM	W	18.45	23.18	W	NM
Georgia	W	W	W	23.59	24.54	W	W
Maryland	21.79	22.87	-4.7%	--	NM	21.79	22.96
North Carolina	W	23.21	W	22.89	23.24	W	NM
South Carolina	23.59	21.85	8.0%	23.59	21.85	--	--
Virginia	W	22.69	W	19.86	22.11	W	23.89
West Virginia	24.36	W	W	24.36	23.24	--	W
East South Central	22.64	W	W	22.64	22.92	--	W
Alabama	22.14	W	W	22.14	23.25	--	W
Kentucky	22.89	22.95	-0.3%	22.89	22.95	--	--
Mississippi	21.60	22.08	-2.2%	21.60	22.08	--	--
Tennessee	22.79	22.68	0.5%	22.79	22.68	--	--
West South Central	22.39	23.17	-3.4%	22.73	23.05	22.25	23.31
Arkansas	W	W	W	22.40	23.10	W	W
Louisiana	W	W	W	22.21	22.31	W	W
Oklahoma	23.43	NM	NM	23.43	NM	--	--
Texas	W	W	W	23.02	23.26	W	W
Mountain	W	24.01	W	23.70	24.20	W	22.17
Arizona	24.69	25.06	-1.5%	24.69	25.06	--	--
Colorado	21.90	W	W	21.90	22.91	--	W
Idaho	--	NM	--	--	NM	--	--
Montana	W	W	W	--	21.62	W	W
Nevada	W	W	W	23.01	25.20	W	W
New Mexico	24.79	W	W	24.79	25.59	--	W
Utah	21.61	W	W	21.61	23.31	--	W
Wyoming	23.28	22.23	4.7%	23.28	22.23	--	--
Pacific Contiguous	W	W	W	23.30	25.67	W	W
California	--	W	W	--	25.68	--	W
Oregon	22.22	NM	NM	22.22	NM	--	--
Washington	W	W	W	23.63	NM	W	W
Pacific Noncontiguous	W	W	W	20.68	22.87	W	W
Alaska	--	24.21	--	--	24.21	--	--
Hawaii	W	W	W	20.68	22.65	W	W
U.S. Total	20.86	22.91	-8.9%	21.00	22.84	20.54	23.20

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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, May 2013 and 2012

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 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	--	1.69	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	W	W	--	--	W	W
Ohio	--	W	W	--	--	--	W
Wisconsin	--	1.69	--	--	1.69	--	--
West North Central	--	NM	--	--	NM	--	--
Iowa	--	NM	--	--	NM	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.81	2.59	8.5%	2.81	2.59	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.81	2.59	8.5%	2.81	2.59	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.87	1.80	3.9%	1.87	1.80	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.87	1.80	3.9%	1.87	1.80	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.96	1.93	1.6%	1.96	1.93	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.96	1.93	1.6%	1.96	1.93	--	--
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	W	W	2.28	2.03	W	W

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

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 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	1.50	1.68	W	W
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	W	W	W	1.50	--	W	W
Ohio	W	W	W	--	--	W	W
Wisconsin	--	1.68	--	--	1.68	--	--
West North Central	--	NM	--	--	NM	--	--
Iowa	--	NM	--	--	NM	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.62	2.63	-0.4%	2.62	2.63	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.62	2.63	-0.4%	2.62	2.63	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	1.85	1.84	0.5%	1.85	1.84	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	1.85	1.84	0.5%	1.85	1.84	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.98	W	W	1.98	1.85	--	W
Arkansas	--	--	--	--	--	--	--
Louisiana	1.98	1.85	7.0%	1.98	1.85	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	W	W	--	--	--	W
Mountain	--	W	W	--	--	--	W
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	W	W	--	--	--	W
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	2.63	--	--	--	--	2.63
California	--	2.63	--	--	--	--	2.63
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	W	W	W	2.12	2.05	W	W

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

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	May 2013	May 2012	Percentage Change	May 2013	May 2012	May 2013	May 2012
New England	4.56	2.73	67.0%	6.22	3.13	4.56	2.73
Connecticut	4.58	2.74	67.0%	--	2.96	4.58	2.73
Maine	W	W	W	--	--	W	W
Massachusetts	4.49	2.70	66.0%	5.48	3.21	4.49	2.69
New Hampshire	8.28	W	W	8.28	15.37	--	W
Rhode Island	W	2.73	W	--	--	W	2.73
Vermont	--	3.08	--	--	3.08	--	--
Middle Atlantic	4.72	2.91	62.0%	4.98	2.72	4.67	2.94
New Jersey	4.91	3.02	63.0%	--	--	4.91	3.02
New York	5.00	3.01	66.0%	4.98	2.72	5.01	3.12
Pennsylvania	4.28	2.69	59.0%	--	NM	4.28	2.69
East North Central	4.49	2.71	66.0%	4.48	2.72	4.49	2.70
Illinois	W	2.89	W	5.04	2.89	W	2.89
Indiana	4.22	2.63	60.0%	4.16	2.61	4.38	2.69
Michigan	4.69	2.80	68.0%	4.73	3.00	4.67	2.76
Ohio	4.28	2.54	69.0%	4.27	2.59	4.29	2.52
Wisconsin	W	2.71	W	5.25	2.80	W	2.61
West North Central	4.77	2.94	62.0%	4.81	2.99	4.58	2.69
Iowa	4.67	W	W	4.67	3.21	--	W
Kansas	4.48	2.77	62.0%	4.48	2.77	--	--
Minnesota	W	W	W	4.94	3.01	W	W
Missouri	W	W	W	5.00	3.03	W	W
Nebraska	5.12	3.60	42.0%	5.12	3.60	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	5.10	NM	NM	5.10	NM	--	--
South Atlantic	5.14	3.78	36.0%	5.18	4.08	4.87	2.88
Delaware	--	W	W	--	NM	--	W
District of Columbia	--	2.68	--	--	2.68	--	--
Florida	W	4.32	W	5.35	4.50	W	2.88
Georgia	4.84	2.97	63.0%	4.80	2.94	5.01	3.01
Maryland	4.86	2.92	66.0%	--	--	4.86	2.92
North Carolina	W	W	W	5.17	3.81	W	W
South Carolina	W	W	W	4.68	3.37	W	W
Virginia	4.77	2.78	72.0%	4.71	2.91	4.88	2.58
West Virginia	W	2.72	W	4.09	2.75	W	2.72
East South Central	4.40	2.64	67.0%	4.34	2.57	4.53	2.74
Alabama	4.51	2.78	62.0%	4.41	2.71	4.58	2.80
Kentucky	W	W	W	6.43	2.94	W	W
Mississippi	W	W	W	4.23	2.50	W	W
Tennessee	4.02	2.33	73.0%	4.02	2.33	--	--
West South Central	4.28	2.50	71.0%	4.39	2.53	4.22	2.48
Arkansas	4.44	W	W	5.25	3.18	4.42	W
Louisiana	4.33	2.51	73.0%	4.39	2.57	4.16	2.37
Oklahoma	4.40	W	W	4.46	2.48	4.22	W
Texas	4.24	2.49	70.0%	4.34	2.48	4.21	2.49
Mountain	4.74	2.89	64.0%	4.79	2.94	4.51	2.79
Arizona	4.70	3.03	55.0%	4.88	3.27	4.39	2.62
Colorado	W	3.18	W	5.23	3.25	W	3.09
Idaho	W	W	W	5.20	2.88	W	W
Montana	--	W	W	--	NM	--	W
Nevada	W	2.71	W	4.73	2.70	W	NM
New Mexico	4.63	W	W	4.63	2.97	--	W
Utah	4.54	W	W	4.54	2.34	--	W
Wyoming	11.01	W	W	11.01	NM	--	W
Pacific Contiguous	4.76	3.00	59.0%	5.00	3.36	4.52	2.79
California	W	2.99	W	5.07	3.33	W	2.79
Oregon	W	W	W	4.24	2.19	W	W
Washington	5.00	W	W	5.00	4.64	--	W
Pacific Noncontiguous	4.57	3.79	21.0%	4.57	3.79	--	--
Alaska	4.57	3.79	21.0%	4.57	3.79	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.67	2.96	58.0%	4.84	3.25	4.47	2.71

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

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

(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	May 2013 YTD	May 2012 YTD	Percentage Change	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	7.47	3.23	131.0%	10.22	3.53	7.46	3.22
Connecticut	7.33	3.26	125.0%	--	3.09	7.33	3.26
Maine	W	W	W	--	--	W	W
Massachusetts	7.49	3.06	145.0%	9.24	3.33	7.48	3.06
New Hampshire	12.03	W	W	12.03	8.18	--	W
Rhode Island	W	3.45	W	--	--	W	3.45
Vermont	--	3.70	--	--	3.70	--	--
Middle Atlantic	5.06	3.27	55.0%	5.62	3.64	4.98	3.23
New Jersey	4.87	3.35	45.0%	--	--	4.87	3.35
New York	5.82	3.62	61.0%	5.62	3.64	5.91	3.61
Pennsylvania	4.30	2.85	51.0%	--	NM	4.30	2.85
East North Central	4.16	2.76	51.0%	4.19	2.76	4.14	2.76
Illinois	W	2.84	W	4.90	2.83	W	2.84
Indiana	W	2.71	W	4.04	2.67	W	2.87
Michigan	4.52	2.80	61.0%	4.56	2.69	4.51	2.83
Ohio	3.90	2.64	48.0%	3.97	2.58	3.87	2.66
Wisconsin	4.35	2.91	49.0%	4.48	3.13	4.20	2.64
West North Central	4.56	3.35	36.0%	4.59	3.44	4.41	2.78
Iowa	4.81	W	W	4.81	3.77	--	W
Kansas	4.55	2.90	57.0%	4.55	2.90	--	--
Minnesota	W	W	W	4.60	3.86	W	W
Missouri	W	W	W	4.43	3.17	W	W
Nebraska	6.16	4.72	31.0%	6.16	4.72	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	4.00	3.09	29.0%	4.00	3.09	--	--
South Atlantic	4.82	3.92	23.0%	4.89	4.22	4.39	2.95
Delaware	--	W	W	--	NM	--	W
District of Columbia	--	2.91	--	--	2.91	--	--
Florida	5.04	4.49	12.0%	5.10	4.65	3.12	2.93
Georgia	4.38	2.91	51.0%	4.36	2.92	4.46	2.91
Maryland	W	2.68	W	--	--	W	2.68
North Carolina	W	W	W	4.81	4.05	W	W
South Carolina	W	W	W	4.44	3.20	W	W
Virginia	4.38	3.11	41.0%	4.62	3.08	4.04	3.14
West Virginia	4.68	3.05	53.0%	3.76	3.03	4.87	3.05
East South Central	4.05	2.66	52.0%	4.01	2.66	4.11	2.66
Alabama	4.10	2.71	51.0%	4.03	2.81	4.14	2.68
Kentucky	W	W	W	5.53	2.97	W	W
Mississippi	W	W	W	3.86	2.59	W	W
Tennessee	4.20	2.47	70.0%	4.20	2.47	--	--
West South Central	3.92	2.59	51.0%	4.02	2.68	3.87	2.55
Arkansas	3.99	2.66	50.0%	8.43	3.04	3.93	2.58
Louisiana	3.92	2.57	53.0%	3.97	2.61	3.79	2.49
Oklahoma	4.02	2.67	51.0%	4.03	2.77	3.97	2.42
Texas	3.89	2.58	51.0%	4.02	2.64	3.86	2.56
Mountain	4.49	3.20	40.0%	4.57	3.27	4.25	3.08
Arizona	4.76	3.10	54.0%	5.26	3.34	4.20	2.85
Colorado	W	3.85	W	5.05	3.87	W	3.83
Idaho	W	W	W	4.99	5.14	W	W
Montana	--	W	W	--	3.07	--	W
Nevada	W	3.18	W	4.36	3.21	W	3.08
New Mexico	4.26	W	W	4.26	3.07	--	W
Utah	3.92	W	W	3.92	2.71	--	W
Wyoming	8.50	W	W	8.50	3.79	--	W
Pacific Contiguous	4.31	3.19	35.0%	4.63	3.53	4.04	3.01
California	4.39	3.23	36.0%	4.75	3.59	4.11	3.05
Oregon	W	W	W	3.74	2.93	W	W
Washington	W	W	W	4.82	3.57	W	W
Pacific Noncontiguous	4.56	4.29	6.3%	4.56	4.29	--	--
Alaska	4.56	4.29	6.3%	4.56	4.29	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.55	3.14	45.0%	4.58	3.46	4.51	2.88

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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, May 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	222	1.07	8.7	85	0.09	2.0	0	--	--
Connecticut	0	--	--	85	0.09	2.0	0	--	--
Maine	3	1.05	7.9	0	--	--	0	--	--
Massachusetts	149	0.69	9.4	0	--	--	0	--	--
New Hampshire	69	1.80	7.4	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	3,261	2.89	10.6	141	0.25	5.0	0	--	--
New Jersey	116	1.41	8.6	0	--	--	0	--	--
New York	136	2.46	9.5	141	0.25	5.0	0	--	--
Pennsylvania	3,009	2.97	10.7	0	--	--	0	--	--
East North Central	6,603	2.98	10.0	9,229	0.25	4.8	0	--	--
Illinois	776	3.38	18.3	4,207	0.22	4.6	0	--	--
Indiana	2,623	2.80	9.1	327	0.28	4.8	0	--	--
Michigan	217	1.50	8.5	2,596	0.28	4.7	0	--	--
Ohio	2,858	3.21	9.3	137	0.31	5.7	0	--	--
Wisconsin	129	1.83	7.4	1,962	0.26	5.0	0	--	--
West North Central	112	3.26	9.0	8,262	0.28	5.0	1,746	0.83	9.9
Iowa	56	3.50	8.0	1,387	0.27	4.9	0	--	--
Kansas	17	3.08	12.7	1,516	0.34	4.9	0	--	--
Minnesota	0	--	--	875	0.36	5.9	0	--	--
Missouri	38	3.01	8.9	3,388	0.23	4.7	0	--	--
Nebraska	0	--	--	1,054	0.29	5.3	0	--	--
North Dakota	0	--	--	0	--	--	1,746	0.83	9.9
South Dakota	0	--	--	42	0.47	6.2	0	--	--
South Atlantic	8,080	2.05	10.5	847	0.26	4.8	0	--	--
Delaware	56	1.94	8.6	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,535	2.12	9.4	0	--	--	0	--	--
Georgia	551	1.41	9.2	816	0.26	4.8	0	--	--
Maryland	294	1.94	11.1	31	0.20	4.4	0	--	--
North Carolina	1,360	1.65	9.3	0	--	--	0	--	--
South Carolina	867	1.62	9.5	0	--	--	0	--	--
Virginia	917	1.03	13.8	0	--	--	0	--	--
West Virginia	2,501	2.89	11.3	0	--	--	0	--	--
East South Central	4,973	2.52	9.8	1,826	0.27	5.0	0	--	--
Alabama	821	1.73	10.3	929	0.25	4.9	0	--	--
Kentucky	2,859	2.97	10.2	202	0.27	5.0	0	--	--
Mississippi	271	2.11	9.4	0	--	--	0	--	--
Tennessee	1,022	2.05	8.6	694	0.29	5.1	0	--	--
West South Central	123	2.48	14.8	8,423	0.29	5.1	3,968	1.00	16.4
Arkansas	0	--	--	1,425	0.26	5.1	0	--	--
Louisiana	75	3.17	8.5	1,030	0.29	5.0	338	0.63	16.9
Oklahoma	47	1.23	26.3	1,306	0.25	4.9	0	--	--
Texas	0	--	--	4,660	0.32	5.1	3,630	1.03	16.3
Mountain	2,641	0.63	12.9	5,444	0.54	9.6	0	--	--
Arizona	718	0.61	10.7	1,205	0.69	10.5	0	--	--
Colorado	186	0.47	9.7	1,063	0.32	5.7	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	518	0.69	9.3	0	--	--
Nevada	12	0.40	8.4	203	0.37	7.7	0	--	--
New Mexico	455	0.90	24.8	647	0.70	22.1	0	--	--
Utah	1,270	0.59	11.0	53	1.10	8.3	0	--	--
Wyoming	0	--	--	1,756	0.47	7.2	0	--	--
Pacific Contiguous	76	0.63	10.4	0	--	--	0	--	--
California	76	0.63	10.4	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	63	1.38	4.2	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	63	1.38	4.2	0	--	--	0	--	--
U.S. Total	26,153	2.34	10.5	34,255	0.31	5.7	5,714	0.95	14.4

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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, May 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	69	1.80	7.4	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	69	1.80	7.4	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	5,332	2.96	9.1	5,233	0.27	4.8	0	--	--
Illinois	270	3.42	10.9	377	0.21	4.7	0	--	--
Indiana	2,399	2.73	8.9	327	0.28	4.8	0	--	--
Michigan	184	1.56	8.5	2,589	0.28	4.7	0	--	--
Ohio	2,372	3.32	9.3	0	--	--	0	--	--
Wisconsin	108	1.67	7.3	1,941	0.26	5.0	0	--	--
West North Central	47	2.92	10.2	8,181	0.28	5.0	1,746	0.83	9.9
Iowa	0	--	--	1,306	0.28	5.0	0	--	--
Kansas	17	3.08	12.7	1,516	0.34	4.9	0	--	--
Minnesota	0	--	--	875	0.36	5.9	0	--	--
Missouri	29	2.82	8.8	3,388	0.23	4.7	0	--	--
Nebraska	0	--	--	1,054	0.29	5.3	0	--	--
North Dakota	0	--	--	0	--	--	1,746	0.83	9.9
South Dakota	0	--	--	42	0.47	6.2	0	--	--
South Atlantic	6,470	1.87	10.4	816	0.26	4.8	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	1,444	2.19	9.2	0	--	--	0	--	--
Georgia	526	1.43	9.2	816	0.26	4.8	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	1,360	1.65	9.3	0	--	--	0	--	--
South Carolina	867	1.62	9.5	0	--	--	0	--	--
Virginia	810	1.01	14.5	0	--	--	0	--	--
West Virginia	1,463	2.54	11.3	0	--	--	0	--	--
East South Central	4,749	2.57	9.9	1,826	0.27	5.0	0	--	--
Alabama	821	1.73	10.3	929	0.25	4.9	0	--	--
Kentucky	2,859	2.97	10.2	202	0.27	5.0	0	--	--
Mississippi	189	1.76	9.8	0	--	--	0	--	--
Tennessee	880	2.25	8.7	694	0.29	5.1	0	--	--
West South Central	75	3.17	8.5	5,232	0.26	5.0	1,006	1.16	18.0
Arkansas	0	--	--	1,294	0.26	5.1	0	--	--
Louisiana	75	3.17	8.5	437	0.29	5.3	338	0.63	16.9
Oklahoma	0	--	--	1,278	0.25	4.9	0	--	--
Texas	0	--	--	2,224	0.26	4.8	667	1.46	18.6
Mountain	2,598	0.64	13.0	4,880	0.53	9.7	0	--	--
Arizona	718	0.61	10.7	1,205	0.69	10.5	0	--	--
Colorado	186	0.47	9.7	1,063	0.32	5.7	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	12	0.40	8.4	157	0.40	8.4	0	--	--
New Mexico	455	0.90	24.8	647	0.70	22.1	0	--	--
Utah	1,227	0.60	11.1	53	1.10	8.3	0	--	--
Wyoming	0	--	--	1,756	0.47	7.2	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	19,341	2.20	10.2	26,168	0.32	5.8	2,752	0.95	12.8

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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 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, May 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	151	0.69	9.4	85	0.09	2.0	0	--	--
Connecticut	0	--	--	85	0.09	2.0	0	--	--
Maine	2	1.05	8.8	0	--	--	0	--	--
Massachusetts	149	0.69	9.4	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	3,222	2.91	10.6	141	0.25	5.0	0	--	--
New Jersey	116	1.41	8.6	0	--	--	0	--	--
New York	104	2.87	9.1	141	0.25	5.0	0	--	--
Pennsylvania	3,002	2.97	10.7	0	--	--	0	--	--
East North Central	1,101	3.07	15.1	3,927	0.21	4.6	0	--	--
Illinois	396	3.50	28.4	3,783	0.21	4.6	0	--	--
Indiana	224	3.47	11.2	0	--	--	0	--	--
Michigan	14	1.11	8.6	7	0.22	4.7	0	--	--
Ohio	467	2.71	9.5	137	0.31	5.7	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	0	--	--	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	1,507	2.83	10.9	31	0.20	4.4	0	--	--
Delaware	56	1.94	8.6	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	91	1.03	11.1	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	277	1.94	10.5	31	0.20	4.4	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	67	0.78	8.9	0	--	--	0	--	--
West Virginia	1,017	3.42	11.2	0	--	--	0	--	--
East South Central	82	2.93	8.4	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	82	2.93	8.4	0	--	--	0	--	--
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	47	1.23	26.3	3,190	0.35	5.3	2,963	0.95	15.8
Arkansas	0	--	--	131	0.27	5.4	0	--	--
Louisiana	0	--	--	594	0.30	4.8	0	--	--
Oklahoma	47	1.23	26.3	28	0.22	4.6	0	--	--
Texas	0	--	--	2,437	0.37	5.4	2,963	0.95	15.8
Mountain	0	--	--	564	0.65	8.9	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	518	0.69	9.3	0	--	--
Nevada	0	--	--	46	0.25	4.9	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	10	1.32	10.1	0	--	--	0	--	--
California	10	1.32	10.1	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	63	1.38	4.2	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	63	1.38	4.2	0	--	--	0	--	--
U.S. Total	6,184	2.84	11.4	7,938	0.30	5.2	2,963	0.95	15.8

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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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, May 2013

	Bituminous			Subbituminous			Lignite		
Census Division and State	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	7	2.16	9.8	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	7	2.16	9.8	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	9	3.57	9.2	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	9	3.57	9.2	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	17	2.96	9.5	0	--	--	0	--	--

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

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

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	1	1.05	6.2	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	1	1.05	6.2	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	39	1.38	10.9	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	32	1.18	10.7	0	--	--	0	--	--
Pennsylvania	7	2.32	11.8	0	--	--	0	--	--
East North Central	162	2.85	8.5	69	0.58	6.1	0	--	--
Illinois	110	3.00	8.5	48	0.71	6.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	11	0.50	7.0	0	--	--	0	--	--
Ohio	20	3.54	10.0	0	--	--	0	--	--
Wisconsin	21	2.66	7.8	21	0.27	5.0	0	--	--
West North Central	56	3.50	8.0	81	0.22	4.4	0	--	--
Iowa	56	3.50	8.0	81	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	102	1.40	11.4	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	25	0.98	8.3	0	--	--	0	--	--
Maryland	17	1.77	21.9	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	0.70	9.0	0	--	--	0	--	--
Virginia	39	1.72	9.1	0	--	--	0	--	--
West Virginia	21	1.02	12.1	0	--	--	0	--	--
East South Central	143	0.90	8.1	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	143	0.90	8.1	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	43	0.32	8.5	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	43	0.32	8.5	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	66	0.52	10.4	0	--	--	0	--	--
California	66	0.52	10.4	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	612	1.66	9.2	150	0.39	5.2	0	--	--

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Notes:
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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 - May 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
Year to Date					
2011	561,485	520,424	401,056	3,258	1,486,223
2012	522,089	517,632	402,509	3,141	1,445,371
2013	545,814	522,207	390,393	3,187	1,461,601
Rolling 12 Months Ending in May					
2012	1,383,406	1,325,265	992,768	7,555	3,708,994
2013	1,398,319	1,328,419	968,722	7,549	3,703,010

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 - May 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
Year to Date					
2011	63,739	51,889	26,380	337	142,345
2012	60,944	51,267	26,068	307	138,587
2013	64,204	52,199	25,626	328	142,358
Rolling 12 Months Ending in May					
2012	163,920	135,305	67,294	772	367,291
2013	166,612	134,839	65,249	776	367,476

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 - May 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
Year to Date					
2011	11.35	9.97	6.58	10.35	9.58
2012	11.67	9.90	6.48	9.77	9.59
2013	11.76	10.00	6.56	10.30	9.74
Rolling 12 Months Ending in May					
2012	11.85	10.21	6.78	10.22	9.90
2013	11.92	10.15	6.74	10.27	9.92

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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, May 2013 and 2012 (Million Kilowatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	3,162	3,228	3,489	3,494	2,211	2,194	48	48	8,909	8,963
Connecticut	822	844	1,007	1,019	281	298	18	18	2,129	2,179
Maine	323	320	318	311	261	248	0	0	902	879
Massachusetts	1,344	1,384	1,360	1,377	1,312	1,301	28	28	4,045	4,090
New Hampshire	308	300	352	334	161	154	0	0	821	788
Rhode Island	219	217	290	295	78	78	2	2	589	592
Vermont	146	162	162	158	116	114	0	0	424	434
Middle Atlantic	8,982	9,017	12,261	12,523	5,672	6,095	322	315	27,238	27,951
New Jersey	1,976	1,981	3,076	3,245	617	726	27	24	5,696	5,976
New York	3,525	3,560	5,822	5,824	1,054	1,073	225	219	10,626	10,675
Pennsylvania	3,481	3,477	3,363	3,455	4,001	4,296	71	72	10,916	11,300
East North Central	12,925	13,417	14,961	15,217	16,680	17,418	51	46	44,618	46,098
Illinois	3,173	3,203	3,979	4,025	3,746	3,795	46	41	10,944	11,064
Indiana	2,167	2,419	2,028	2,035	3,973	4,244	2	1	8,170	8,699
Michigan	2,475	2,537	3,136	3,228	2,561	2,743	0	1	8,173	8,509
Ohio	3,559	3,687	3,953	4,058	4,421	4,619	3	2	11,937	12,367
Wisconsin	1,550	1,571	1,865	1,870	1,979	2,018	0	0	5,394	5,459
West North Central	6,962	7,178	7,991	8,196	7,449	7,683	3	3	22,405	23,060
Iowa	975	952	960	967	1,736	1,719	0	0	3,671	3,639
Kansas	879	1,025	1,249	1,360	903	913	0	0	3,032	3,298
Minnesota	1,547	1,530	1,800	1,790	1,816	1,932	1	1	5,163	5,254
Missouri	2,238	2,470	2,486	2,593	1,456	1,536	2	1	6,182	6,600
Nebraska	680	635	728	755	898	961	0	0	2,306	2,352
North Dakota	322	275	412	381	428	407	0	0	1,163	1,062
South Dakota	321	291	355	349	212	215	0	0	887	855
South Atlantic	23,371	25,168	25,438	25,731	12,168	12,293	112	111	61,089	63,303
Delaware	282	288	351	351	230	252	0	0	863	891
District of Columbia	121	137	718	770	21	20	29	30	889	957
Florida	8,791	8,768	7,748	7,612	1,442	1,454	8	7	17,989	17,841
Georgia	3,678	4,204	3,796	4,036	2,702	2,771	12	13	10,187	11,024
Maryland	1,812	1,766	2,463	2,576	365	369	47	46	4,687	4,757
North Carolina	3,397	4,002	4,003	3,969	2,415	2,437	1	1	9,816	10,408
South Carolina	1,827	2,172	1,766	1,849	2,449	2,443	0	0	6,042	6,465
Virginia	2,771	3,110	3,973	3,961	1,470	1,473	15	15	8,229	8,560
West Virginia	692	721	622	606	1,075	1,073	0	NM	2,388	2,400
East South Central	7,558	8,405	7,118	6,910	9,785	10,713	0	0	24,461	26,027
Alabama	2,145	2,455	1,836	1,908	2,910	2,918	0	0	6,892	7,281
Kentucky	1,748	1,900	1,540	1,588	3,532	3,925	0	0	6,820	7,412
Mississippi	1,145	1,300	1,103	1,150	1,403	1,400	0	0	3,651	3,850
Tennessee	2,521	2,750	2,639	2,264	1,939	2,470	0	0	7,099	7,485
West South Central	14,083	16,050	15,305	15,934	13,226	13,200	6	6	42,620	45,190
Arkansas	1,102	1,189	926	987	1,322	1,406	NM	NM	3,350	3,582
Louisiana	1,908	2,222	1,875	2,003	2,611	2,540	1	1	6,394	6,766
Oklahoma	1,499	1,791	1,647	1,832	1,371	1,382	0	0	4,518	5,005
Texas	9,574	10,848	10,857	11,112	7,922	7,872	5	5	28,359	29,836
Mountain	6,713	7,165	7,687	7,951	7,175	7,055	11	8	21,587	22,179
Arizona	2,347	2,739	2,482	2,621	1,063	1,084	0	0	5,893	6,444
Colorado	1,305	1,278	1,597	1,624	1,312	1,320	5	4	4,220	4,227
Idaho	557	538	489	474	954	903	0	0	1,999	1,915
Montana	342	327	374	380	332	307	0	0	1,048	1,014
Nevada	887	978	763	833	1,202	1,225	1	1	2,852	3,036
New Mexico	466	487	753	775	635	598	0	0	1,855	1,860
Utah	610	639	912	901	820	823	5	3	2,347	2,366
Wyoming	199	178	318	343	856	795	0	0	1,374	1,317
Pacific Contiguous	10,404	10,476	13,927	13,610	7,288	7,208	67	69	31,685	31,363
California	6,516	6,587	10,308	9,994	3,956	3,888	65	67	20,845	20,535
Oregon	1,307	1,318	1,311	1,291	998	1,011	2	2	3,617	3,622
Washington	2,582	2,571	2,307	2,325	2,334	2,310	0	1	7,223	7,206
Pacific Noncontiguous	377	374	507	497	414	415	0	0	1,299	1,286
Alaska	161	149	227	222	104	108	0	0	492	480
Hawaii	216	225	280	275	310	306	0	0	806	807
U.S. Total	94,537	100,478	108,685	110,062	82,068	84,273	621	606	285,911	295,420

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

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	19,589	18,525	17,842	17,621	10,904	11,103	250	241	48,585	47,490
Connecticut	5,374	5,029	5,197	5,144	1,348	1,419	83	82	12,003	11,674
Maine	1,906	1,795	1,592	1,577	1,231	1,221	0	0	4,729	4,593
Massachusetts	8,280	7,833	6,974	6,898	6,573	6,710	155	148	21,982	21,589
New Hampshire	1,897	1,820	1,810	1,771	783	787	0	0	4,490	4,378
Rhode Island	1,248	1,177	1,443	1,425	375	381	12	11	3,078	2,994
Vermont	883	870	826	805	592	586	0	0	2,302	2,262
Middle Atlantic	53,579	50,780	62,571	62,308	28,165	28,582	1,695	1,673	146,010	143,343
New Jersey	10,477	10,160	15,030	15,423	3,063	3,268	117	125	28,686	28,976
New York	19,857	19,233	30,038	29,614	5,552	5,265	1,201	1,176	56,648	55,288
Pennsylvania	23,245	21,388	17,503	17,271	19,550	20,049	377	371	60,676	59,079
East North Central	76,493	71,817	73,170	72,189	80,333	84,203	284	260	230,279	228,468
Illinois	18,256	16,933	20,384	19,839	18,156	18,421	250	231	57,047	55,425
Indiana	13,667	12,665	9,682	9,462	19,178	20,179	9	9	42,537	42,315
Michigan	13,881	13,310	15,050	15,106	12,361	12,966	2	4	41,294	41,386
Ohio	21,561	20,257	18,676	18,528	21,233	23,016	22	16	61,491	61,816
Wisconsin	9,128	8,652	9,377	9,253	9,405	9,621	0	0	27,910	27,526
West North Central	43,427	39,891	40,034	39,228	35,028	36,148	18	17	118,507	115,284
Iowa	6,063	5,533	4,947	4,815	7,901	7,972	0	0	18,911	18,320
Kansas	5,007	4,782	5,955	6,024	4,197	4,414	0	0	15,159	15,219
Minnesota	9,498	8,963	9,090	8,910	8,867	9,211	8	7	27,464	27,092
Missouri	14,093	12,889	12,164	11,938	6,974	7,328	10	9	33,241	32,165
Nebraska	4,247	3,848	3,696	3,656	3,986	4,154	0	0	11,929	11,658
North Dakota	2,385	1,964	2,286	2,068	2,078	1,998	0	0	6,750	6,030
South Dakota	2,133	1,911	1,896	1,817	1,025	1,071	0	0	5,055	4,800
South Atlantic	133,421	126,731	118,572	118,642	56,380	57,851	549	533	308,922	303,758
Delaware	1,884	1,724	1,654	1,666	1,077	1,139	0	0	4,614	4,529
District of Columbia	797	725	3,300	3,437	96	94	128	128	4,321	4,384
Florida	40,843	40,474	35,170	35,483	6,769	6,840	37	34	82,820	82,832
Georgia	20,666	20,257	17,922	18,011	12,564	13,003	66	65	51,218	51,336
Maryland	11,205	10,287	12,050	11,929	1,604	2,059	231	225	25,091	24,499
North Carolina	22,691	20,935	18,252	18,155	10,774	10,944	3	3	51,720	50,036
South Carolina	11,234	10,673	8,164	8,300	11,595	11,705	0	0	30,993	30,678
Virginia	18,866	16,914	18,937	18,542	6,804	7,076	82	77	44,690	42,608
West Virginia	5,235	4,742	3,122	3,120	5,097	4,992	2	2	13,456	12,856
East South Central	46,637	43,649	34,323	31,961	48,053	52,594	1	1	129,014	128,204
Alabama	12,040	11,480	8,603	8,511	13,796	14,135	0	0	34,439	34,125
Kentucky	11,079	10,174	7,483	7,274	18,185	19,688	0	0	36,747	37,136
Mississippi	6,884	6,556	5,154	5,236	6,715	6,953	0	0	18,753	18,745
Tennessee	16,633	15,439	13,084	10,941	9,357	11,818	1	1	39,074	38,198
West South Central	74,892	73,534	71,081	71,213	62,749	63,694	31	32	208,753	208,473
Arkansas	7,150	6,576	4,482	4,564	6,566	6,829	NM	NM	18,197	17,969
Louisiana	10,812	10,671	9,073	9,245	12,585	12,641	4	4	32,475	32,561
Oklahoma	8,425	8,051	7,362	7,607	6,537	6,663	0	0	22,323	22,322
Texas	48,504	48,235	50,165	49,797	37,062	37,561	26	28	135,758	135,621
Mountain	35,649	34,797	36,370	36,448	32,594	32,317	51	41	104,664	103,603
Arizona	11,012	10,926	11,156	11,176	5,042	5,045	0	0	27,210	27,147
Colorado	7,245	6,992	7,824	7,758	6,116	6,130	24	22	21,210	20,902
Idaho	3,719	3,541	2,456	2,415	3,282	3,149	0	0	9,457	9,105
Montana	2,200	2,134	1,986	2,002	1,693	1,653	0	0	5,879	5,790
Nevada	4,002	3,969	3,441	3,537	5,374	5,439	3	3	12,819	12,947
New Mexico	2,636	2,634	3,516	3,549	2,942	2,868	0	0	9,094	9,051
Utah	3,516	3,369	4,277	4,187	3,998	3,928	24	16	11,816	11,499
Wyoming	1,318	1,231	1,714	1,825	4,147	4,106	0	0	7,180	7,162
Pacific Contiguous	60,110	60,266	65,756	65,482	34,202	33,963	307	343	160,375	160,055
California	34,392	34,452	46,904	46,670	18,074	17,902	295	330	99,666	99,353
Oregon	8,563	8,633	6,522	6,439	4,745	4,747	10	11	19,839	19,829
Washington	17,156	17,181	12,330	12,374	11,382	11,315	2	3	40,870	40,872
Pacific Noncontiguous	2,018	2,100	2,487	2,539	1,986	2,053	0	0	6,492	6,692
Alaska	952	957	1,201	1,228	540	575	0	0	2,693	2,760
Hawaii	1,066	1,143	1,286	1,311	1,447	1,478	0	0	3,799	3,932
U.S. Total	545,814	522,089	522,207	517,632	390,393	402,509	3,187	3,141	1,461,601	1,445,371

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

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	517	517	475	479	262	261	6	3	1,260	1,260
Connecticut	149	150	147	150	35	37	2	2	332	339
Maine	46	46	36	35	21	20	0	0	103	102
Massachusetts	211	213	186	190	167	166	4	1	568	571
New Hampshire	52	50	47	45	18	18	0	0	117	113
Rhode Island	32	31	36	35	9	8	0	0	77	75
Vermont	26	27	25	23	12	11	0	0	62	61
Middle Atlantic	1,413	1,387	1,548	1,590	415	452	39	37	3,414	3,467
New Jersey	307	316	391	413	64	73	3	2	765	804
New York	656	618	840	852	73	70	31	29	1,598	1,569
Pennsylvania	450	454	317	326	278	309	6	6	1,051	1,095
East North Central	1,647	1,676	1,461	1,472	1,111	1,143	3	3	4,222	4,294
Illinois	367	407	334	341	222	232	3	2	926	982
Indiana	249	259	193	186	260	269	0	0	702	715
Michigan	374	365	358	365	209	215	0	0	941	946
Ohio	441	433	374	383	273	279	0	0	1,088	1,095
Wisconsin	216	211	202	198	147	147	0	0	565	556
West North Central	797	778	737	697	477	466	0	0	2,012	1,942
Iowa	108	105	79	76	91	89	0	0	278	269
Kansas	106	115	122	124	63	64	0	0	291	303
Minnesota	188	173	175	154	127	121	0	0	490	448
Missouri	261	267	233	224	90	90	0	0	584	580
Nebraska	69	61	62	61	61	63	0	0	192	185
North Dakota	31	26	35	30	30	27	0	0	96	83
South Dakota	34	31	30	28	15	14	0	0	79	73
South Atlantic	2,697	2,855	2,359	2,413	768	788	10	10	5,834	6,067
Delaware	40	41	37	35	20	20	0	0	97	96
District of Columbia	15	17	85	94	1	1	3	3	104	115
Florida	993	1,002	732	742	109	115	1	1	1,834	1,859
Georgia	424	459	373	385	158	157	1	1	955	1,002
Maryland	233	229	255	266	30	30	4	4	523	529
North Carolina	380	429	337	337	146	153	0	0	863	918
South Carolina	229	244	169	169	141	145	0	0	539	558
Virginia	313	359	317	333	97	98	1	1	729	791
West Virginia	69	76	53	53	67	70	0	NM	190	198
East South Central	814	869	706	677	551	629	0	0	2,070	2,175
Alabama	245	272	193	197	170	175	0	0	608	644
Kentucky	178	183	140	144	185	214	0	0	502	540
Mississippi	129	134	110	105	84	83	0	0	324	322
Tennessee	262	281	263	231	111	157	0	0	636	669
West South Central	1,559	1,648	1,260	1,260	772	702	1	1	3,591	3,612
Arkansas	109	109	75	74	77	77	NM	NM	260	260
Louisiana	184	188	169	154	151	122	0	0	504	465
Oklahoma	156	169	127	130	75	72	0	0	358	371
Texas	1,109	1,182	890	902	470	432	1	1	2,470	2,516
Mountain	766	798	721	728	444	424	1	1	1,932	1,951
Arizona	286	324	249	263	70	75	0	0	605	662
Colorado	151	143	155	150	92	91	1	0	399	384
Idaho	49	44	35	32	56	48	0	0	140	124
Montana	36	33	36	35	18	15	0	0	90	83
Nevada	106	118	68	74	65	68	0	0	238	260
New Mexico	53	54	71	69	40	35	0	0	163	158
Utah	64	63	80	77	47	45	1	0	192	185
Wyoming	20	18	28	29	55	48	0	0	104	95
Pacific Contiguous	1,398	1,356	1,697	1,569	568	540	5	5	3,669	3,470
California	1,045	1,007	1,409	1,284	417	395	5	5	2,876	2,690
Oregon	130	130	111	110	59	55	0	0	300	296
Washington	224	219	177	176	92	90	0	0	493	484
Pacific Noncontiguous	110	113	131	132	110	117	0	0	350	362
Alaska	30	27	36	34	17	19	0	0	83	80
Hawaii	80	86	95	99	92	98	0	0	267	282
U.S. Total	11,718	11,999	11,095	11,018	5,477	5,523	65	59	28,355	28,599

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 May 2013 and 2012 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	3,090	2,953	2,514	2,438	1,325	1,317	27	17	6,955	6,726
Connecticut	929	875	768	762	172	182	8	8	1,877	1,826
Maine	275	265	190	188	108	94	0	0	573	548
Massachusetts	1,230	1,199	997	955	847	850	17	7	3,091	3,011
New Hampshire	312	297	247	240	91	92	0	0	650	629
Rhode Island	192	170	191	178	46	42	1	2	430	391
Vermont	152	147	121	116	60	59	0	0	333	322
Middle Atlantic	8,144	7,626	7,882	7,841	2,047	2,138	205	196	18,278	17,801
New Jersey	1,610	1,627	1,836	1,932	312	334	12	11	3,770	3,904
New York	3,636	3,234	4,414	4,277	365	356	163	155	8,578	8,022
Pennsylvania	2,897	2,765	1,632	1,632	1,370	1,449	30	29	5,929	5,875
East North Central	9,024	8,587	6,919	6,887	5,212	5,442	16	16	21,172	20,932
Illinois	1,922	2,013	1,615	1,662	1,032	1,111	14	14	4,584	4,799
Indiana	1,449	1,323	916	874	1,252	1,296	1	1	3,617	3,494
Michigan	1,966	1,828	1,640	1,620	954	967	0	0	4,561	4,415
Ohio	2,461	2,288	1,749	1,767	1,277	1,369	1	1	5,488	5,425
Wisconsin	1,226	1,136	999	965	696	699	0	0	2,922	2,799
West North Central	4,461	3,975	3,426	3,156	2,217	2,151	1	1	10,105	9,282
Iowa	636	572	397	363	427	399	0	0	1,460	1,334
Kansas	564	513	562	536	293	298	0	0	1,419	1,347
Minnesota	1,086	982	834	756	608	586	1	1	2,528	2,324
Missouri	1,371	1,207	993	908	394	393	1	1	2,758	2,509
Nebraska	398	352	306	292	282	276	0	0	985	921
North Dakota	200	166	181	157	145	130	0	0	526	453
South Dakota	206	183	154	143	69	69	0	0	429	395
South Atlantic	14,746	14,151	11,010	11,128	3,547	3,661	47	43	29,351	28,983
Delaware	248	233	170	165	91	89	0	0	509	487
District of Columbia	97	88	393	421	6	5	12	11	508	525
Florida	4,603	4,622	3,363	3,475	515	546	3	3	8,485	8,646
Georgia	2,208	2,120	1,739	1,691	728	715	5	5	4,679	4,531
Maryland	1,414	1,309	1,243	1,261	134	167	20	18	2,810	2,755
North Carolina	2,397	2,228	1,553	1,540	651	672	0	0	4,601	4,440
South Carolina	1,306	1,219	785	772	654	681	0	0	2,745	2,673
Virginia	1,974	1,865	1,501	1,539	449	471	7	7	3,931	3,882
West Virginia	500	465	262	265	320	314	0	0	1,082	1,044
East South Central	4,771	4,419	3,377	3,117	2,691	3,050	0	0	10,839	10,586
Alabama	1,335	1,279	897	892	780	822	0	0	3,011	2,993
Kentucky	1,058	939	664	629	936	1,036	0	0	2,658	2,604
Mississippi	728	677	510	491	405	411	0	0	1,642	1,579
Tennessee	1,651	1,523	1,306	1,105	571	781	0	0	3,529	3,410
West South Central	7,851	7,533	5,764	5,758	3,547	3,406	3	3	17,165	16,700
Arkansas	654	583	354	342	370	360	NM	NM	1,379	1,285
Louisiana	985	890	810	735	727	615	0	0	2,522	2,240
Oklahoma	786	759	537	540	331	338	0	0	1,654	1,636
Texas	5,425	5,302	4,062	4,141	2,119	2,093	3	3	11,609	11,539
Mountain	3,830	3,623	3,268	3,149	1,951	1,859	5	4	9,054	8,634
Arizona	1,225	1,176	1,060	1,020	315	304	0	0	2,600	2,501
Colorado	823	756	736	688	424	407	3	2	1,986	1,854
Idaho	320	284	170	159	174	157	0	0	664	599
Montana	221	208	187	181	87	82	0	0	495	471
Nevada	470	479	303	315	285	297	0	0	1,059	1,092
New Mexico	295	284	324	311	178	160	0	0	797	756
Utah	348	318	344	327	222	207	2	2	916	854
Wyoming	129	116	144	147	264	245	0	0	537	508
Pacific Contiguous	7,722	7,483	7,413	7,154	2,564	2,489	22	27	17,722	17,153
California	5,425	5,205	5,913	5,666	1,830	1,767	21	25	13,190	12,663
Oregon	833	838	544	538	270	261	1	1	1,648	1,638
Washington	1,463	1,440	955	950	465	461	0	0	2,883	2,852
Pacific Noncontiguous	565	595	626	640	525	554	0	0	1,717	1,790
Alaska	169	171	181	182	88	99	0	0	437	453
Hawaii	397	425	445	458	438	455	0	0	1,280	1,337
U.S. Total	64,204	60,944	52,199	51,267	25,626	26,068	328	307	142,358	138,587

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
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Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report.

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012	May 2013	May 2012
New England	16.35	16.03	13.62	13.70	11.87	11.89	12.54	6.31	14.15	14.05
Connecticut	18.10	17.74	14.55	14.74	12.51	12.49	10.84	8.63	15.62	15.55
Maine	14.36	14.47	11.19	11.36	8.09	8.08	--	--	11.43	11.57
Massachusetts	15.72	15.42	13.65	13.80	12.75	12.76	13.57	4.22	14.05	13.95
New Hampshire	16.94	16.55	13.41	13.47	11.13	11.66	--	--	14.28	14.29
Rhode Island	14.84	14.41	12.28	11.86	11.51	10.78	13.22	14.02	13.13	12.66
Vermont	17.77	16.59	15.19	14.62	10.06	9.80	--	--	14.67	14.09
Middle Atlantic	15.73	15.39	12.62	12.70	7.31	7.42	12.11	11.79	12.53	12.41
New Jersey	15.56	15.94	12.70	12.71	10.43	10.07	10.34	8.97	13.44	13.45
New York	18.60	17.36	14.42	14.62	6.88	6.56	13.66	13.33	15.04	14.70
Pennsylvania	12.93	13.05	9.43	9.44	6.94	7.19	7.85	8.06	9.62	9.69
East North Central	12.74	12.49	9.77	9.67	6.66	6.56	5.94	5.76	9.46	9.32
Illinois	11.56	12.72	8.40	8.47	5.92	6.11	5.73	5.54	8.46	8.88
Indiana	11.51	10.71	9.52	9.15	6.54	6.35	9.83	9.47	8.60	8.22
Michigan	15.11	14.40	11.41	11.31	8.17	7.85	9.25	7.43	11.52	11.11
Ohio	12.39	11.75	9.45	9.43	6.18	6.04	6.55	6.82	9.12	8.86
Wisconsin	13.92	13.43	10.85	10.56	7.42	7.31	--	--	10.47	10.18
West North Central	11.45	10.84	9.23	8.51	6.40	6.07	8.66	7.01	8.98	8.42
Iowa	11.11	11.01	8.21	7.82	5.24	5.16	--	--	7.57	7.40
Kansas	12.03	11.21	9.78	9.13	6.99	6.96	--	--	9.60	9.18
Minnesota	12.15	11.32	9.74	8.61	7.00	6.24	9.99	7.93	9.50	8.53
Missouri	11.67	10.80	9.38	8.64	6.17	5.83	7.41	6.10	9.45	8.79
Nebraska	10.13	9.65	8.58	8.08	6.77	6.52	--	--	8.33	7.87
North Dakota	9.64	9.60	8.49	7.87	7.08	6.64	--	--	8.29	7.85
South Dakota	10.66	10.51	8.56	8.11	6.92	6.56	--	--	8.93	8.54
South Atlantic	11.54	11.35	9.27	9.38	6.31	6.41	8.80	8.84	9.55	9.58
Delaware	14.27	14.35	10.54	9.91	8.60	7.92	--	--	11.24	10.78
District of Columbia	12.52	12.39	11.89	12.25	5.06	4.86	9.74	9.48	11.75	12.02
Florida	11.29	11.43	9.44	9.74	7.54	7.92	8.24	8.65	10.19	10.42
Georgia	11.53	10.92	9.83	9.54	5.83	5.65	8.03	8.12	9.38	9.09
Maryland	12.88	12.96	10.37	10.33	8.18	8.06	8.61	8.64	11.15	11.11
North Carolina	11.20	10.71	8.41	8.48	6.05	6.26	8.09	8.03	8.80	8.82
South Carolina	12.52	11.24	9.59	9.14	5.75	5.94	--	--	8.92	8.64
Virginia	11.30	11.54	7.99	8.41	6.59	6.66	8.44	8.94	8.85	9.25
West Virginia	10.04	10.48	8.58	8.70	6.28	6.50	14.24	7.20	7.96	8.25
East South Central	10.77	10.34	9.92	9.80	5.63	5.87	12.06	11.40	8.46	8.36
Alabama	11.43	11.06	10.48	10.34	5.85	5.99	--	--	8.82	8.84
Kentucky	10.16	9.62	9.08	9.05	5.24	5.45	--	--	7.36	7.29
Mississippi	11.30	10.30	10.02	9.12	6.02	5.92	--	--	8.88	8.36
Tennessee	10.38	10.21	9.96	10.21	5.73	6.38	12.06	11.40	8.96	8.94
West South Central	11.07	10.27	8.23	7.91	5.84	5.32	10.44	10.43	8.43	7.99
Arkansas	9.86	9.15	8.05	7.54	5.79	5.46	NM	NM	7.75	7.25
Louisiana	9.66	8.46	9.02	7.70	5.77	4.81	9.91	8.98	7.88	6.87
Oklahoma	10.43	9.46	7.68	7.10	5.45	5.18	--	--	7.92	7.41
Texas	11.59	10.90	8.20	8.12	5.93	5.48	10.51	10.65	8.71	8.43
Mountain	11.41	11.14	9.38	9.15	6.19	6.02	10.03	9.50	8.95	8.80
Arizona	12.19	11.84	10.03	10.03	6.60	6.87	--	--	10.27	10.27
Colorado	11.60	11.19	9.67	9.22	7.02	6.92	10.38	9.06	9.44	9.10
Idaho	8.79	8.21	7.12	6.75	5.89	5.28	--	--	7.00	6.46
Montana	10.45	10.14	9.64	9.20	5.41	4.92	--	--	8.56	8.21
Nevada	11.96	12.10	8.87	8.85	5.39	5.54	7.75	7.84	8.36	8.56
New Mexico	11.36	11.05	9.39	8.91	6.26	5.86	--	--	8.81	8.49
Utah	10.53	9.88	8.80	8.50	5.78	5.46	9.97	10.49	8.20	7.82
Wyoming	10.22	10.08	8.79	8.36	6.47	6.03	--	--	7.55	7.18
Pacific Contiguous	13.44	12.94	12.19	11.53	7.80	7.49	7.31	7.13	11.58	11.07
California	16.04	15.28	13.67	12.85	10.55	10.15	7.27	7.09	13.80	13.10
Oregon	9.95	9.89	8.45	8.50	5.91	5.48	8.69	8.34	8.29	8.17
Washington	8.66	8.51	7.67	7.56	3.94	3.89	8.39	7.64	6.82	6.72
Pacific Noncontiguous	29.16	30.29	25.77	26.57	26.47	28.12	--	--	26.98	28.15
Alaska	18.53	18.38	15.78	15.11	16.68	17.48	--	--	16.87	16.66
Hawaii	37.11	38.17	33.85	35.83	29.75	31.88	--	--	33.15	34.98
U.S. Total	12.40	11.94	10.21	10.01	6.67	6.55	10.45	9.76	9.92	9.68

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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 May 2013 and 2012 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD	May 2013 YTD	May 2012 YTD
New England	15.77	15.94	14.09	13.84	12.15	11.87	10.76	7.00	14.31	14.16
Connecticut	17.29	17.39	14.78	14.81	12.74	12.80	9.70	10.27	15.64	15.64
Maine	14.41	14.78	11.91	11.94	8.81	7.71	--	--	12.11	11.93
Massachusetts	14.85	15.31	14.30	13.84	12.89	12.67	11.18	4.64	14.06	13.95
New Hampshire	16.47	16.31	13.64	13.55	11.64	11.64	--	--	14.49	14.36
Rhode Island	15.37	14.45	13.26	12.47	12.13	10.91	12.74	14.07	13.98	13.06
Vermont	17.16	16.91	14.66	14.40	10.20	10.00	--	--	14.47	14.23
Middle Atlantic	15.20	15.02	12.60	12.58	7.27	7.48	12.10	11.69	12.52	12.42
New Jersey	15.37	16.01	12.21	12.53	10.19	10.21	10.59	9.17	13.14	13.47
New York	18.31	16.81	14.70	14.44	6.57	6.75	13.55	13.20	15.14	14.51
Pennsylvania	12.46	12.93	9.33	9.45	7.01	7.23	7.92	7.74	9.77	9.94
East North Central	11.80	11.96	9.46	9.54	6.49	6.46	5.77	6.22	9.19	9.16
Illinois	10.53	11.89	7.92	8.37	5.69	6.03	5.53	6.03	8.03	8.66
Indiana	10.60	10.45	9.46	9.23	6.53	6.42	9.81	9.87	8.50	8.26
Michigan	14.16	13.73	10.90	10.73	7.72	7.46	9.40	7.43	11.05	10.67
Ohio	11.41	11.30	9.37	9.53	6.01	5.95	6.40	6.72	8.92	8.78
Wisconsin	13.44	13.12	10.66	10.43	7.40	7.26	--	--	10.47	10.17
West North Central	10.27	9.96	8.56	8.04	6.33	5.95	7.62	6.81	8.53	8.05
Iowa	10.49	10.33	8.02	7.53	5.41	5.01	--	--	7.72	7.28
Kansas	11.27	10.73	9.43	8.90	6.97	6.74	--	--	9.36	8.85
Minnesota	11.43	10.96	9.17	8.48	6.85	6.36	9.43	8.31	9.20	8.58
Missouri	9.73	9.36	8.16	7.61	5.65	5.37	6.23	5.62	8.30	7.80
Nebraska	9.37	9.15	8.27	8.00	7.07	6.65	--	--	8.26	7.90
North Dakota	8.40	8.44	7.93	7.59	6.96	6.52	--	--	7.80	7.51
South Dakota	9.63	9.57	8.11	7.88	6.77	6.39	--	--	8.48	8.22
South Atlantic	11.05	11.17	9.29	9.38	6.29	6.33	8.66	8.13	9.50	9.54
Delaware	13.14	13.51	10.31	9.90	8.46	7.78	--	--	11.03	10.74
District of Columbia	12.18	12.17	11.90	12.26	6.17	5.08	9.74	8.57	11.76	11.98
Florida	11.27	11.42	9.56	9.79	7.61	7.99	8.66	8.53	10.24	10.44
Georgia	10.69	10.47	9.70	9.39	5.79	5.50	7.40	7.33	9.14	8.83
Maryland	12.62	12.73	10.32	10.57	8.32	8.12	8.59	7.81	11.20	11.24
North Carolina	10.56	10.64	8.51	8.48	6.04	6.14	7.92	7.79	8.90	8.87
South Carolina	11.63	11.42	9.62	9.31	5.64	5.82	--	--	8.86	8.71
Virginia	10.46	11.03	7.93	8.30	6.60	6.66	8.15	8.81	8.80	9.11
West Virginia	9.54	9.80	8.40	8.49	6.27	6.30	10.64	8.62	8.04	8.12
East South Central	10.23	10.12	9.84	9.75	5.60	5.80	11.65	11.42	8.40	8.26
Alabama	11.08	11.14	10.43	10.48	5.65	5.81	--	--	8.74	8.77
Kentucky	9.55	9.23	8.87	8.65	5.15	5.26	--	--	7.23	7.01
Mississippi	10.57	10.32	9.89	9.37	6.03	5.92	--	--	8.76	8.42
Tennessee	9.93	9.87	9.98	10.10	6.11	6.61	11.65	11.42	9.03	8.93
West South Central	10.48	10.24	8.11	8.09	5.65	5.35	10.38	10.25	8.22	8.01
Arkansas	9.15	8.86	7.90	7.50	5.64	5.27	NM	NM	7.58	7.15
Louisiana	9.11	8.34	8.93	7.95	5.77	4.87	9.54	8.37	7.77	6.88
Oklahoma	9.33	9.42	7.30	7.10	5.06	5.07	--	--	7.41	7.33
Texas	11.19	10.99	8.10	8.32	5.72	5.57	10.52	10.54	8.55	8.51
Mountain	10.74	10.41	8.99	8.64	5.99	5.75	10.03	9.16	8.65	8.33
Arizona	11.12	10.77	9.50	9.13	6.25	6.03	--	--	9.55	9.21
Colorado	11.36	10.82	9.41	8.87	6.93	6.65	10.44	9.13	9.36	8.87
Idaho	8.59	8.01	6.94	6.58	5.31	4.97	--	--	7.02	6.58
Montana	10.03	9.74	9.40	9.05	5.16	4.95	--	--	8.41	8.13
Nevada	11.75	12.07	8.80	8.92	5.31	5.46	7.47	7.58	8.26	8.43
New Mexico	11.19	10.79	9.21	8.76	6.06	5.60	--	--	8.77	8.35
Utah	9.90	9.45	8.03	7.81	5.56	5.27	9.96	9.53	7.76	7.42
Wyoming	9.77	9.43	8.42	8.08	6.37	5.96	--	--	7.49	7.09
Pacific Contiguous	12.85	12.42	11.27	10.93	7.50	7.33	7.30	7.74	11.05	10.72
California	15.78	15.11	12.61	12.14	10.13	9.87	7.25	7.72	13.23	12.75
Oregon	9.73	9.71	8.35	8.36	5.68	5.49	8.79	8.24	8.31	8.26
Washington	8.53	8.38	7.75	7.68	4.08	4.08	8.25	8.29	7.06	6.98
Pacific Noncontiguous	28.01	28.35	25.18	25.22	26.43	27.00	--	--	26.44	26.75
Alaska	17.72	17.85	15.04	14.85	16.23	17.26	--	--	16.22	16.39
Hawaii	37.21	37.14	34.64	34.93	30.24	30.79	--	--	33.69	34.02
U.S. Total	11.76	11.67	10.00	9.90	6.56	6.48	10.30	9.77	9.74	9.59

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, May 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**21**	**14**	**0**	**1**	**0**	**0**	**10**
Connecticut	0	55	0	2	0	0	46
Maine	0	13	0	6	0	0	14
Massachusetts	29	22	0	1	0	0	27
New Hampshire	0	45	0	2	0	0	16
Rhode Island	0	58	0	1	0	0	400
Vermont	0	172	0	0	0	0	29
Middle Atlantic	**1**	**5**	**66**	**1**	**12**	**0**	**4**
New Jersey	0	53	133	2	45	0	181
New York	5	6	0	2	0	0	4
Pennsylvania	1	9	139	1	9	0	14
East North Central	**0**	**2**	**4**	**1**	**8**	**0**	**16**
Illinois	0	2	0	5	29	0	72
Indiana	1	4	0	3	9	0	26
Michigan	2	6	63	3	0	0	33
Ohio	1	1	8	1	42	0	27
Wisconsin	1	32	0	5	0	0	27
West North Central	**1**	**6**	**0**	**6**	**82**	**0**	**7**
Iowa	2	11	0	20	0	0	41
Kansas	0	4	0	31	0	0	247
Minnesota	4	41	0	5	0	0	55
Missouri	1	6	0	5	0	0	6
Nebraska	2	8	0	38	0	0	31
North Dakota	3	31	0	285	82	0	0
South Dakota	13	93	0	133	0	0	2
South Atlantic	**0**	**4**	**0**	**1**	**0**	**0**	**5**
Delaware	3	35	0	2	0	0	0
District of Columbia	0	0	0	130	0	0	0
Florida	0	8	0	1	0	0	77
Georgia	0	11	0	2	0	0	11
Maryland	0	7	0	6	0	0	6
North Carolina	1	8	0	2	0	0	7
South Carolina	0	13	0	5	0	0	15
Virginia	4	7	0	1	0	0	18
West Virginia	0	0	0	7	0	0	14
East South Central	**1**	**7**	**0**	**2**	**19**	**0**	**3**
Alabama	0	22	0	3	19	0	4
Kentucky	1	5	0	9	0	0	8
Mississippi	0	16	0	2	0	0	0
Tennessee	0	5	0	5	0	0	6
West South Central	**0**	**4**	**4**	**1**	**4**	**0**	**7**
Arkansas	0	6	0	5	0	0	11
Louisiana	0	8	4	3	4	0	0
Oklahoma	1	7	0	2	0	0	10
Texas	0	7	5	1	6	0	36
Mountain	**1**	**14**	**0**	**1**	**15**	**0**	**4**
Arizona	0	18	0	1	0	0	3
Colorado	1	288	0	4	0	0	22
Idaho	59	647	0	6	0	0	8
Montana	6	49	0	140	0	0	4
Nevada	0	2	0	1	0	0	3
New Mexico	0	36	0	4	0	0	87
Utah	2	7	0	7	143	0	35
Wyoming	2	12	0	29	8	0	14
Pacific Contiguous	**10**	**17**	**90**	**2**	**6**	**0**	**1**
California	19	12	90	2	8	0	6
Oregon	0	16	0	3	0	0	3
Washington	0	68	0	8	0	0	1
Pacific Noncontiguous	**4**	**3**	**0**	**9**	**128**	**0**	**25**
Alaska	13	6	0	9	395	0	25
Hawaii	4	3	0	0	135	0	118
U.S. Total	**0**	**3**	**2**	**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, May 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**	**73**	**4**	**0**	**3**	**1**
Connecticut	0	0	0	0	14	0	4	1
Maine	0	0	0	0	4	0	14	5
Massachusetts	0	0	0	79	10	0	5	2
New Hampshire	0	0	0	0	12	0	29	2
Rhode Island	0	0	0	370	57	0	0	1
Vermont	0	0	0	205	11	0	0	6
Middle Atlantic	**0**	**0**	**0**	**30**	**4**	**0**	**4**	**1**
New Jersey	0	0	0	36	17	0	6	1
New York	0	0	0	0	5	0	6	1
Pennsylvania	0	0	0	79	4	0	5	1
East North Central	**0**	**0**	**0**	**63**	**2**	**0**	**8**	**0**
Illinois	0	0	0	88	2	0	26	0
Indiana	0	0	0	361	3	0	6	1
Michigan	0	0	0	0	5	0	10	1
Ohio	0	0	0	91	8	0	0	1
Wisconsin	0	0	0	0	6	0	28	1
West North Central	**0**	**0**	**0**	**391**	**1**	**0**	**10**	**1**
Iowa	0	0	0	0	1	0	0	2
Kansas	0	0	0	0	1	0	0	2
Minnesota	0	0	0	391	3	0	10	2
Missouri	0	0	0	0	4	0	0	1
Nebraska	0	0	0	0	3	0	0	2
North Dakota	0	0	0	0	1	0	38	2
South Dakota	0	0	0	0	0	0	0	3
South Atlantic	**0**	**0**	**0**	**25**	**3**	**0**	**3**	**0**
Delaware	0	0	0	104	64	0	0	2
District of Columbia	0	0	0	0	0	0	0	130
Florida	0	0	0	20	6	0	3	1
Georgia	0	0	0	344	4	0	5	1
Maryland	0	0	0	98	10	0	1	1
North Carolina	0	0	0	45	9	0	38	1
South Carolina	0	0	0	0	4	0	0	1
Virginia	0	0	0	0	6	0	5	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**138**	**3**	**0**	**167**	**1**
Alabama	0	0	0	0	4	0	0	1
Kentucky	0	0	0	0	20	0	0	1
Mississippi	0	0	0	0	3	0	259	1
Tennessee	0	0	0	138	10	0	0	1
West South Central	**0**	**0**	**0**	**41**	**1**	**0**	**12**	**0**
Arkansas	0	0	0	0	5	0	0	1
Louisiana	0	0	0	0	6	0	7	1
Oklahoma	0	0	0	0	1	0	110	1
Texas	0	0	0	41	1	0	22	1
Mountain	**0**	**7**	**0**	**9**	**2**	**0**	**5**	**1**
Arizona	0	0	0	11	8	0	0	0
Colorado	0	0	0	27	1	0	46	1
Idaho	0	54	0	0	5	0	0	6
Montana	0	0	0	0	3	0	0	3
Nevada	0	7	0	10	6	0	37	1
New Mexico	0	0	0	38	6	0	0	1
Utah	0	29	0	448	8	0	5	2
Wyoming	0	0	0	0	1	0	0	2
Pacific Contiguous	**0**	**4**	**0**	**9**	**1**	**0**	**11**	**1**
California	0	4	0	9	2	0	13	1
Oregon	0	0	0	156	2	0	35	2
Washington	0	0	0	0	1	0	17	1
Pacific Noncontiguous	**0**	**0**	**0**	**175**	**10**	**0**	**0**	**3**
Alaska	0	0	0	0	37	0	0	8
Hawaii	0	0	0	175	10	0	0	3
U.S. Total	**0**	**4**	**0**	**8**	**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 May 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**3**	**0**	**1**	**0**	**0**	**4**
Connecticut	0	4	0	1	0	0	21
Maine	0	3	0	3	0	0	6
Massachusetts	3	8	0	1	0	0	12
New Hampshire	0	16	0	1	0	0	8
Rhode Island	0	21	0	1	0	0	179
Vermont	0	116	0	0	0	0	13
Middle Atlantic	**1**	**3**	**51**	**1**	**6**	**0**	**2**
New Jersey	0	8	133	1	22	0	91
New York	2	3	0	1	0	0	2
Pennsylvania	1	7	67	1	4	0	5
East North Central	**0**	**2**	**2**	**1**	**4**	**0**	**8**
Illinois	0	3	0	2	14	0	34
Indiana	0	6	0	2	4	0	13
Michigan	1	6	30	1	0	0	16
Ohio	0	2	1	1	20	0	15
Wisconsin	0	10	0	1	0	0	13
West North Central	**0**	**3**	**0**	**3**	**40**	**0**	**3**
Iowa	1	4	0	9	0	0	20
Kansas	0	5	0	18	0	0	121
Minnesota	1	21	0	1	0	0	23
Missouri	0	7	0	3	0	0	5
Nebraska	1	4	0	22	0	0	15
North Dakota	1	11	0	61	40	0	0
South Dakota	3	23	0	35	0	0	0
South Atlantic	**0**	**3**	**0**	**0**	**0**	**0**	**2**
Delaware	1	19	0	1	0	0	0
District of Columbia	0	0	0	64	0	0	0
Florida	0	5	0	1	0	0	36
Georgia	0	7	0	1	0	0	6
Maryland	0	11	0	5	0	0	2
North Carolina	0	8	0	1	0	0	3
South Carolina	0	11	0	2	0	0	8
Virginia	1	4	0	1	0	0	10
West Virginia	0	0	0	6	0	0	6
East South Central	**0**	**4**	**0**	**1**	**8**	**0**	**1**
Alabama	0	11	0	2	8	0	2
Kentucky	0	6	0	5	0	0	3
Mississippi	0	10	0	1	0	0	0
Tennessee	0	5	0	1	0	0	3
West South Central	**0**	**2**	**2**	**1**	**2**	**0**	**4**
Arkansas	0	6	0	2	0	0	6
Louisiana	0	3	2	1	2	0	0
Oklahoma	0	6	0	1	0	0	7
Texas	0	4	3	1	2	0	18
Mountain	**0**	**4**	**0**	**1**	**5**	**0**	**2**
Arizona	0	3	0	1	0	0	1
Colorado	0	48	0	2	0	0	10
Idaho	27	334	0	2	0	0	4
Montana	2	24	0	62	0	0	3
Nevada	0	1	0	1	0	0	2
New Mexico	0	10	0	2	0	0	40
Utah	1	4	0	3	55	0	17
Wyoming	1	4	0	9	3	0	9
Pacific Contiguous	**1**	**13**	**64**	**1**	**2**	**0**	**1**
California	8	6	64	1	3	0	3
Oregon	0	52	0	0	0	0	1
Washington	0	37	0	2	0	0	1
Pacific Noncontiguous	**2**	**2**	**0**	**4**	**49**	**0**	**10**
Alaska	6	2	0	4	175	0	10
Hawaii	2	2	0	0	51	0	54
U.S. Total	**0**	**1**	**1**	**0**	**1**	**0**	**1**

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

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

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**31**	**2**	**0**	**2**	**0**
Connecticut	0	0	0	0	5	0	2	1
Maine	0	0	0	0	1	0	7	2
Massachusetts	0	0	0	33	4	0	3	1
New Hampshire	0	0	0	0	6	0	16	1
Rhode Island	0	0	0	370	22	0	0	1
Vermont	0	0	0	80	6	0	0	3
Middle Atlantic	**0**	**0**	**0**	**12**	**1**	**0**	**2**	**0**
New Jersey	0	0	0	15	6	0	3	0
New York	0	0	0	4	2	0	3	0
Pennsylvania	0	0	0	34	1	0	3	0
East North Central	**0**	**0**	**0**	**27**	**1**	**0**	**3**	**0**
Illinois	0	0	0	36	1	0	12	0
Indiana	0	0	0	141	1	0	2	0
Michigan	0	0	0	0	2	0	6	0
Ohio	0	0	0	41	3	0	0	0
Wisconsin	0	0	0	0	2	0	15	0
West North Central	**0**	**0**	**0**	**153**	**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	153	1	0	6	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	1	0	21	1
South Dakota	0	0	0	0	1	0	0	1
South Atlantic	**0**	**0**	**0**	**11**	**1**	**0**	**1**	**0**
Delaware	0	0	0	41	24	0	0	1
District of Columbia	0	0	0	0	0	0	0	64
Florida	0	0	0	8	2	0	2	0
Georgia	0	0	0	134	2	0	10	0
Maryland	0	0	0	39	3	0	1	0
North Carolina	0	0	0	20	3	0	18	0
South Carolina	0	0	0	0	1	0	0	0
Virginia	0	0	0	0	3	0	3	0
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**97**	**1**	**0**	**19**	**0**
Alabama	0	0	0	0	2	0	0	1
Kentucky	0	0	0	0	7	0	0	0
Mississippi	0	0	0	0	1	0	85	1
Tennessee	0	0	0	97	4	0	0	0
West South Central	**0**	**0**	**0**	**16**	**0**	**0**	**6**	**0**
Arkansas	0	0	0	0	2	0	0	0
Louisiana	0	0	0	0	2	0	4	1
Oklahoma	0	0	0	0	0	0	60	0
Texas	0	0	0	16	0	0	10	0
Mountain	**0**	**2**	**0**	**3**	**1**	**0**	**3**	**0**
Arizona	0	0	0	4	3	0	0	0
Colorado	0	0	0	12	1	0	22	1
Idaho	0	15	0	0	2	0	0	3
Montana	0	0	0	0	1	0	0	2
Nevada	0	2	0	4	2	0	21	0
New Mexico	0	0	0	14	2	0	0	1
Utah	0	4	0	174	3	0	2	1
Wyoming	0	0	0	0	1	0	0	1
Pacific Contiguous	**0**	**1**	**0**	**4**	**1**	**0**	**5**	**0**
California	0	1	0	4	1	0	5	1
Oregon	0	0	0	61	1	0	20	1
Washington	0	0	0	0	1	0	9	0
Pacific Noncontiguous	**0**	**0**	**0**	**72**	**4**	**0**	**0**	**2**
Alaska	0	0	0	0	20	0	0	3
Hawaii	0	0	0	72	4	0	0	1
U.S. Total	**0**	**1**	**0**	**3**	**0**	**0**	**1**	**0**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**11**	**0**	**26**	**0**	**0**	**26**
Connecticut	0	61	0	186	0	0	153
Maine	0	120	0	0	0	0	0
Massachusetts	0	5	0	10	0	0	60
New Hampshire	0	10	0	0	0	0	23
Rhode Island	0	29	0	0	0	0	0
Vermont	0	193	0	0	0	0	48
Middle Atlantic	**1,040**	**6**	**0**	**4**	**0**	**0**	**2**
New Jersey	0	372	0	0	0	0	0
New York	1,040	6	0	4	0	0	2
Pennsylvania	0	200	0	541	0	0	12
East North Central	**0**	**3**	**0**	**2**	**0**	**0**	**17**
Illinois	0	7	0	12	0	0	155
Indiana	1	3	0	2	0	0	26
Michigan	2	6	0	7	0	0	35
Ohio	1	2	0	2	0	0	27
Wisconsin	1	31	0	8	0	0	29
West North Central	**1**	**5**	**0**	**8**	**0**	**0**	**6**
Iowa	2	11	0	18	0	0	41
Kansas	0	4	0	31	0	0	0
Minnesota	4	40	0	5	0	0	78
Missouri	1	6	0	7	0	0	6
Nebraska	2	8	0	35	0	0	31
North Dakota	3	29	0	839	0	0	0
South Dakota	13	96	0	133	0	0	0
South Atlantic	**0**	**4**	**0**	**1**	**0**	**0**	**6**
Delaware	0	369	0	286	0	0	0
Florida	0	8	0	1	0	0	77
Georgia	0	6	0	1	0	0	11
Maryland	0	52	0	0	0	0	0
North Carolina	0	6	0	3	0	0	7
South Carolina	0	14	0	4	0	0	15
Virginia	0	5	0	0	0	0	18
West Virginia	0	0	0	0	0	0	51
East South Central	**1**	**2**	**0**	**3**	**0**	**0**	**3**
Alabama	0	0	0	10	0	0	4
Kentucky	1	5	0	8	0	0	8
Mississippi	0	17	0	2	0	0	0
Tennessee	0	0	0	0	0	0	7
West South Central	**0**	**6**	**0**	**2**	**0**	**0**	**8**
Arkansas	0	0	0	75	0	0	11
Louisiana	0	30	0	5	0	0	0
Oklahoma	0	5	0	2	0	0	10
Texas	0	12	0	4	0	0	36
Mountain	**1**	**14**	**0**	**1**	**0**	**0**	**4**
Arizona	0	18	0	2	0	0	3
Colorado	1	288	0	6	0	0	23
Idaho	0	647	0	12	0	0	8
Montana	124	1,517	0	153	0	0	4
Nevada	0	2	0	0	0	0	1
New Mexico	0	30	0	5	0	0	87
Utah	2	7	0	5	0	0	36
Wyoming	2	10	0	234	0	0	13
Pacific Contiguous	**0**	**22**	**0**	**3**	**246**	**0**	**1**
California	0	16	0	3	246	0	5
Oregon	0	0	0	1	0	0	3
Washington	0	444	0	10	0	0	1
Pacific Noncontiguous	**0**	**3**	**0**	**9**	**0**	**0**	**25**
Alaska	0	6	0	9	0	0	25
Hawaii	0	3	0	0	0	0	276
U.S. Total	**0**	**3**	**0**	**1**	**55**	**0**	**1**

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

Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, May 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**	**198**	**4**	**0**	**0**	**13**
Connecticut	0	0	0	0	0	0	0	114
Maine	0	0	0	0	0	0	0	120
Massachusetts	0	0	0	198	58	0	0	34
New Hampshire	0	0	0	0	0	0	0	9
Rhode Island	0	0	0	0	0	0	0	29
Vermont	0	0	0	0	0	0	0	25
Middle Atlantic	**0**	**0**	**0**	**92**	**92**	**0**	**0**	**2**
New Jersey	0	0	0	92	92	0	0	10
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	12
East North Central	**0**	**0**	**0**	**197**	**5**	**0**	**0**	**0**
Illinois	0	0	0	0	98	0	0	1
Indiana	0	0	0	0	38	0	0	1
Michigan	0	0	0	0	3	0	0	1
Ohio	0	0	0	197	108	0	0	1
Wisconsin	0	0	0	0	2	0	0	2
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**6**	**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	109	0	0	1
Nebraska	0	0	0	0	20	0	0	2
North Dakota	0	0	0	0	2	0	38	3
South Dakota	0	0	0	0	1	0	0	5
South Atlantic	**0**	**0**	**0**	**0**	**7**	**0**	**0**	**0**
Delaware	0	0	0	0	0	0	0	276
Florida	0	0	0	0	11	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	0	761	0	0	74
North Carolina	0	0	0	0	0	0	0	1
South Carolina	0	0	0	0	18	0	0	1
Virginia	0	0	0	0	0	0	0	1
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**0**	**66**	**0**	**0**	**1**
Alabama	0	0	0	0	547	0	0	1
Kentucky	0	0	0	0	67	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**	**0**	**0**	**0**	**1**
Arkansas	0	0	0	0	0	0	0	2
Louisiana	0	0	0	0	0	0	0	1
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	0	2	0	0	1
Mountain	**0**	**0**	**0**	**48**	**6**	**0**	**37**	**1**
Arizona	0	0	0	53	50	0	0	0
Colorado	0	0	0	0	25	0	0	1
Idaho	0	0	0	0	0	0	0	8
Montana	0	0	0	0	0	0	0	5
Nevada	0	0	0	0	0	0	37	0
New Mexico	0	0	0	107	107	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**	**43**	**3**	**0**	**0**	**1**
California	0	0	0	44	6	0	0	2
Oregon	0	0	0	265	4	0	0	2
Washington	0	0	0	0	2	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**28**	**0**	**0**	**4**
Alaska	0	0	0	0	84	0	0	8
Hawaii	0	0	0	0	0	0	0	3
U.S. Total	**0**	**0**	**0**	**24**	**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 May 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**3**	**0**	**20**	**0**	**0**	**12**
Connecticut	0	30	0	123	0	0	67
Maine	0	62	0	0	0	0	0
Massachusetts	0	1	0	3	0	0	28
New Hampshire	0	1	0	0	0	0	10
Rhode Island	0	15	0	0	0	0	0
Vermont	0	107	0	0	0	0	22
Middle Atlantic	**306**	**3**	**0**	**3**	**0**	**0**	**1**
New Jersey	0	291	0	0	0	0	0
New York	306	3	0	3	0	0	1
Pennsylvania	0	103	0	382	0	0	4
East North Central	**0**	**2**	**0**	**1**	**0**	**0**	**8**
Illinois	0	9	0	8	0	0	71
Indiana	0	5	0	1	0	0	13
Michigan	1	3	0	4	0	0	17
Ohio	0	2	0	1	0	0	15
Wisconsin	0	10	0	2	0	0	14
West North Central	**0**	**3**	**0**	**3**	**0**	**0**	**3**
Iowa	1	4	0	8	0	0	20
Kansas	0	5	0	18	0	0	0
Minnesota	1	19	0	1	0	0	28
Missouri	0	7	0	4	0	0	5
Nebraska	1	4	0	22	0	0	15
North Dakota	1	10	0	515	0	0	0
South Dakota	3	23	0	35	0	0	0
South Atlantic	**0**	**3**	**0**	**0**	**0**	**0**	**3**
Delaware	0	289	0	200	0	0	0
Florida	0	5	0	0	0	0	36
Georgia	0	5	0	0	0	0	6
Maryland	0	36	0	0	0	0	0
North Carolina	0	8	0	1	0	0	3
South Carolina	0	13	0	1	0	0	8
Virginia	0	3	0	0	0	0	10
West Virginia	0	0	0	0	0	0	23
East South Central	**0**	**2**	**0**	**2**	**0**	**0**	**1**
Alabama	0	0	0	5	0	0	2
Kentucky	0	6	0	2	0	0	3
Mississippi	0	14	0	1	0	0	0
Tennessee	0	0	0	0	0	0	3
West South Central	**0**	**5**	**0**	**1**	**0**	**0**	**5**
Arkansas	0	0	0	43	0	0	6
Louisiana	0	16	0	2	0	0	0
Oklahoma	0	4	0	1	0	0	7
Texas	0	8	0	3	0	0	18
Mountain	**0**	**4**	**0**	**1**	**0**	**0**	**2**
Arizona	0	3	0	1	0	0	1
Colorado	0	48	0	2	0	0	10
Idaho	0	334	0	3	0	0	4
Montana	51	484	0	66	0	0	3
Nevada	0	2	0	0	0	0	1
New Mexico	0	8	0	3	0	0	40
Utah	1	4	0	2	0	0	17
Wyoming	1	4	0	109	0	0	9
Pacific Contiguous	**0**	**21**	**0**	**1**	**95**	**0**	**1**
California	0	4	0	2	95	0	2
Oregon	0	0	0	0	0	0	1
Washington	0	324	0	2	0	0	1
Pacific Noncontiguous	**0**	**1**	**0**	**4**	**0**	**0**	**10**
Alaska	0	2	0	4	0	0	10
Hawaii	0	1	0	0	0	0	135
U.S. Total	**0**	**1**	**0**	**0**	**17**	**0**	**1**

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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 May 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**	**84**	**2**	**0**	**0**	**3**
Connecticut	0	0	0	0	0	0	0	60
Maine	0	0	0	0	0	0	0	62
Massachusetts	0	0	0	84	25	0	0	15
New Hampshire	0	0	0	0	0	0	0	1
Rhode Island	0	0	0	0	0	0	0	15
Vermont	0	0	0	0	0	0	0	11
Middle Atlantic	**0**	**0**	**0**	**39**	**39**	**0**	**0**	**1**
New Jersey	0	0	0	39	39	0	0	4
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**	**96**	**2**	**0**	**0**	**0**
Illinois	0	0	0	0	44	0	0	0
Indiana	0	0	0	0	15	0	0	0
Michigan	0	0	0	0	1	0	0	1
Ohio	0	0	0	96	41	0	0	0
Wisconsin	0	0	0	0	1	0	0	1
West North Central	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**0**
Iowa	0	0	0	0	0	0	0	1
Kansas	0	0	0	0	0	0	0	1
Minnesota	0	0	0	0	1	0	0	1
Missouri	0	0	0	0	43	0	0	0
Nebraska	0	0	0	0	7	0	0	1
North Dakota	0	0	0	0	1	0	21	1
South Dakota	0	0	0	0	1	0	0	2
South Atlantic	**0**	**0**	**0**	**3**	**3**	**0**	**0**	**0**
Delaware	0	0	0	174	174	0	0	171
Florida	0	0	0	0	5	0	0	0
Georgia	0	0	0	0	0	0	0	0
Maryland	0	0	0	198	176	0	0	47
North Carolina	0	0	0	116	92	0	0	0
South Carolina	0	0	0	0	6	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**	**26**	**0**	**0**	**0**
Alabama	0	0	0	0	200	0	0	1
Kentucky	0	0	0	0	26	0	0	0
Mississippi	0	0	0	0	0	0	0	1
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	1
Louisiana	0	0	0	0	0	0	0	1
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	1	0	0	1
Mountain	**0**	**0**	**0**	**21**	**1**	**0**	**21**	**0**
Arizona	0	0	0	21	20	0	0	0
Colorado	0	0	0	0	9	0	0	1
Idaho	0	0	0	0	0	0	0	4
Montana	0	0	0	0	11	0	0	4
Nevada	0	0	0	0	0	0	21	0
New Mexico	0	0	0	99	99	0	0	1
Utah	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	0	0	0	1
Pacific Contiguous	**0**	**0**	**0**	**18**	**1**	**0**	**0**	**0**
California	0	0	0	18	3	0	0	1
Oregon	0	0	0	108	1	0	0	1
Washington	0	0	0	0	1	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**15**	**0**	**0**	**2**
Alaska	0	0	0	0	34	0	0	3
Hawaii	0	0	0	0	0	0	0	1
U.S. Total	**0**	**0**	**0**	**10**	**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, May 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**29**	**28**	**0**	**1**	**0**	**0**	**11**
Connecticut	0	59	0	1	0	0	48
Maine	0	7	0	0	0	0	15
Massachusetts	30	73	0	1	0	0	29
New Hampshire	0	4,276	0	0	0	0	20
Rhode Island	0	200	0	1	0	0	400
Vermont	0	0	0	0	0	0	36
Middle Atlantic	**1**	**7**	**0**	**1**	**148**	**0**	**13**
New Jersey	0	51	0	2	0	0	181
New York	4	9	0	2	0	0	15
Pennsylvania	1	8	0	1	148	0	22
East North Central	**0**	**3**	**0**	**1**	**0**	**0**	**60**
Illinois	0	0	0	3	0	0	68
Indiana	1	144,225	0	10	0	0	0
Michigan	18	0	0	3	0	0	100
Ohio	0	2	0	1	0	0	0
Wisconsin	0	0	0	0	0	0	134
West North Central	**0**	**81**	**0**	**4**	**0**	**0**	**82**
Iowa	0	105	0	4,298	0	0	422
Kansas	0	0	0	0	0	0	247
Minnesota	0	345	0	6	0	0	89
Missouri	0	0	0	4	0	0	0
South Dakota	0	140	0	0	0	0	395
South Atlantic	**2**	**8**	**0**	**3**	**0**	**0**	**9**
Delaware	3	32	0	3	0	0	0
Florida	6	165	0	10	0	0	0
Georgia	0	1,388	0	5	0	0	306
Maryland	0	7	0	4	0	0	6
North Carolina	26	40	0	0	0	0	168
South Carolina	0	0	0	56	0	0	141
Virginia	64	24	0	3	0	0	127
West Virginia	0	0	0	0	0	0	10
East South Central	**0**	**119**	**0**	**1**	**0**	**0**	**356**
Alabama	0	119	0	1	0	0	0
Kentucky	0	0	0	9	0	0	356
Mississippi	0	0	0	3	0	0	0
West South Central	**0**	**0**	**0**	**1**	**0**	**0**	**7**
Arkansas	0	0	0	0	0	0	156
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	4	0	0	0
Texas	0	0	0	1	0	0	170
Mountain	**7**	**52**	**0**	**3**	**0**	**0**	**11**
Arizona	0	0	0	1	0	0	0
Colorado	86	0	0	6	0	0	97
Idaho	0	0	0	7	0	0	28
Montana	6	31	0	341	0	0	11
Nevada	0	0	0	9	0	0	155
New Mexico	0	817	0	4	0	0	0
Utah	99	602	0	42	0	0	342
Wyoming	80	0	0	405	0	0	396
Pacific Contiguous	**27**	**58**	**90**	**2**	**0**	**0**	**24**
California	27	63	90	2	0	0	29
Oregon	0	0	0	4	0	0	63
Washington	0	91	0	0	0	0	57
Pacific Noncontiguous	**4**	**4**	**0**	**0**	**0**	**0**	**0**
Alaska	38	0	0	0	0	0	0
Hawaii	0	4	0	0	0	0	0
U.S. Total	**1**	**3**	**6**	**0**	**1**	**0**	**6**

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Table A.3.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Independent Power Producers by Census Division and State, May 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**	**78**	**5**	**0**	**3**	**1**
Connecticut	0	0	0	0	14	0	4	1
Maine	0	0	0	0	3	0	9	6
Massachusetts	0	0	0	87	13	0	5	2
New Hampshire	0	0	0	0	16	0	29	2
Rhode Island	0	0	0	370	57	0	0	1
Vermont	0	0	0	205	30	0	0	5
Middle Atlantic	**0**	**0**	**0**	**34**	**4**	**0**	**3**	**1**
New Jersey	0	0	0	43	20	0	8	1
New York	0	0	0	0	4	0	4	1
Pennsylvania	0	0	0	86	5	0	6	1
East North Central	**0**	**0**	**0**	**67**	**2**	**0**	**15**	**0**
Illinois	0	0	0	88	2	0	0	0
Indiana	0	0	0	361	2	0	0	2
Michigan	0	0	0	0	7	0	15	2
Ohio	0	0	0	105	9	0	0	0
Wisconsin	0	0	0	0	14	0	0	1
West North Central	**0**	**0**	**0**	**391**	**1**	**0**	**19**	**1**
Iowa	0	0	0	0	2	0	0	1
Kansas	0	0	0	0	1	0	0	1
Minnesota	0	0	0	391	3	0	19	3
Missouri	0	0	0	0	3	0	0	3
Nebraska	0	0	0	0	1	0	0	1
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	3
South Atlantic	**0**	**0**	**0**	**38**	**5**	**0**	**3**	**1**
Delaware	0	0	0	104	67	0	0	2
Florida	0	0	0	79	9	0	4	6
Georgia	0	0	0	0	13	0	0	5
Maryland	0	0	0	104	9	0	0	1
North Carolina	0	0	0	49	15	0	38	4
South Carolina	0	0	0	0	142	0	0	51
Virginia	0	0	0	0	18	0	0	8
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**138**	**19**	**0**	**0**	**1**
Alabama	0	0	0	0	0	0	0	1
Kentucky	0	0	0	0	0	0	0	9
Mississippi	0	0	0	0	0	0	0	3
Tennessee	0	0	0	138	54	0	0	54
West South Central	**0**	**0**	**0**	**41**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	86	0	0	1
Louisiana	0	0	0	0	75	0	0	0
Oklahoma	0	0	0	0	0	0	0	2
Texas	0	0	0	41	0	0	0	0
Mountain	**0**	**7**	**0**	**8**	**2**	**0**	**4**	**2**
Arizona	0	0	0	9	7	0	0	2
Colorado	0	0	0	28	1	0	57	3
Idaho	0	54	0	0	6	0	0	7
Montana	0	0	0	0	3	0	0	5
Nevada	0	7	0	10	6	0	0	5
New Mexico	0	0	0	40	5	0	0	3
Utah	0	59	0	448	9	0	198	27
Wyoming	0	0	0	0	3	0	0	19
Pacific Contiguous	**0**	**4**	**0**	**8**	**1**	**0**	**12**	**1**
California	0	4	0	8	2	0	13	1
Oregon	0	0	0	193	2	0	35	2
Washington	0	0	0	0	2	0	27	4
Pacific Noncontiguous	**0**	**0**	**0**	**175**	**9**	**0**	**0**	**3**
Alaska	0	0	0	0	40	0	0	28
Hawaii	0	0	0	175	8	0	0	2
U.S. Total	**0**	**4**	**0**	**7**	**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 May 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**	**5**
Connecticut	0	4	0	1	0	0	22
Maine	0	1	0	0	0	0	7
Massachusetts	3	11	0	1	0	0	13
New Hampshire	0	3,416	0	0	0	0	10
Rhode Island	0	23	0	1	0	0	179
Vermont	0	0	0	0	0	0	16
Middle Atlantic	**1**	**4**	**0**	**0**	**55**	**0**	**6**
New Jersey	0	7	0	1	0	0	91
New York	2	5	0	1	0	0	7
Pennsylvania	1	7	0	0	55	0	10
East North Central	**0**	**4**	**0**	**1**	**0**	**0**	**28**
Illinois	0	0	0	1	0	0	32
Indiana	0	114,944	0	4	0	0	0
Michigan	8	0	0	1	0	0	47
Ohio	0	2	0	0	0	0	0
Wisconsin	0	0	0	0	0	0	66
West North Central	**0**	**29**	**0**	**2**	**0**	**0**	**41**
Iowa	0	53	0	4,037	0	0	210
Kansas	0	0	0	0	0	0	121
Minnesota	0	20	0	4	0	0	45
Missouri	0	0	0	3	0	0	0
South Dakota	0	72	0	0	0	0	395
South Atlantic	**1**	**9**	**0**	**1**	**0**	**0**	**3**
Delaware	1	18	0	2	0	0	0
Florida	4	82	0	6	0	0	0
Georgia	0	666	0	2	0	0	163
Maryland	0	11	0	4	0	0	2
North Carolina	12	25	0	0	0	0	90
South Carolina	0	0	0	28	0	0	71
Virginia	20	15	0	1	0	0	59
West Virginia	0	0	0	0	0	0	5
East South Central	**0**	**47**	**0**	**0**	**0**	**0**	**157**
Alabama	0	47	0	0	0	0	0
Kentucky	0	0	0	14	0	0	157
Mississippi	0	0	0	1	0	0	0
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**4**
Arkansas	0	0	0	0	0	0	72
Louisiana	0	0	0	0	0	0	0
Oklahoma	0	0	0	2	0	0	0
Texas	0	0	0	1	0	0	77
Mountain	**2**	**23**	**0**	**1**	**0**	**0**	**6**
Arizona	0	0	0	0	0	0	0
Colorado	42	0	0	4	0	0	45
Idaho	0	0	0	2	0	0	18
Montana	2	15	0	194	0	0	6
Nevada	0	0	0	2	0	0	76
New Mexico	0	235	0	3	0	0	0
Utah	46	311	0	26	0	0	169
Wyoming	32	0	0	241	0	0	188
Pacific Contiguous	**2**	**16**	**64**	**1**	**0**	**0**	**12**
California	12	38	64	1	0	0	16
Oregon	0	0	0	0	0	0	28
Washington	0	6	0	0	0	0	27
Pacific Noncontiguous	**2**	**8**	**0**	**0**	**0**	**0**	**0**
Alaska	18	0	0	0	0	0	0
Hawaii	0	8	0	0	0	0	0
U.S. Total	**0**	**3**	**2**	**0**	**1**	**0**	**3**

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

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

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
New England	**0**	**0**	**0**	**33**	**2**	**0**	**2**	**0**
Connecticut	0	0	0	0	5	0	2	1
Maine	0	0	0	0	1	0	5	2
Massachusetts	0	0	0	36	5	0	3	1
New Hampshire	0	0	0	0	8	0	16	1
Rhode Island	0	0	0	370	22	0	0	1
Vermont	0	0	0	80	14	0	0	3
Middle Atlantic	**0**	**0**	**0**	**14**	**1**	**0**	**2**	**0**
New Jersey	0	0	0	17	7	0	4	0
New York	0	0	0	0	1	0	3	1
Pennsylvania	0	0	0	36	2	0	3	0
East North Central	**0**	**0**	**0**	**29**	**1**	**0**	**8**	**0**
Illinois	0	0	0	36	1	0	0	0
Indiana	0	0	0	141	0	0	0	1
Michigan	0	0	0	0	3	0	8	1
Ohio	0	0	0	48	3	0	0	0
Wisconsin	0	0	0	0	5	0	0	0
West North Central	**0**	**0**	**0**	**153**	**0**	**0**	**11**	**0**
Iowa	0	0	0	0	1	0	0	0
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	153	1	0	11	2
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	1	0	0	1
South Atlantic	**0**	**0**	**0**	**16**	**2**	**0**	**2**	**1**
Delaware	0	0	0	42	26	0	0	1
Florida	0	0	0	34	3	0	2	4
Georgia	0	0	0	0	13	0	0	2
Maryland	0	0	0	42	3	0	0	0
North Carolina	0	0	0	21	5	0	18	2
South Carolina	0	0	0	0	55	0	0	26
Virginia	0	0	0	0	8	0	0	3
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**97**	**6**	**0**	**0**	**0**
Alabama	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	15
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	97	19	0	0	19
West South Central	**0**	**0**	**0**	**16**	**0**	**0**	**0**	**0**
Arkansas	0	0	0	0	32	0	0	0
Louisiana	0	0	0	0	29	0	0	0
Oklahoma	0	0	0	0	0	0	0	1
Texas	0	0	0	16	0	0	0	0
Mountain	**0**	**2**	**0**	**3**	**1**	**0**	**2**	**1**
Arizona	0	0	0	3	3	0	0	1
Colorado	0	0	0	12	1	0	32	1
Idaho	0	15	0	0	3	0	0	3
Montana	0	0	0	0	1	0	0	2
Nevada	0	2	0	4	2	0	0	1
New Mexico	0	0	0	14	2	0	0	2
Utah	0	17	0	174	5	0	89	15
Wyoming	0	0	0	0	1	0	0	7
Pacific Contiguous	**0**	**1**	**0**	**3**	**1**	**0**	**6**	**1**
California	0	1	0	3	1	0	7	1
Oregon	0	0	0	74	1	0	20	1
Washington	0	0	0	0	1	0	15	1
Pacific Noncontiguous	**0**	**0**	**0**	**72**	**4**	**0**	**0**	**3**
Alaska	0	0	0	0	23	0	0	14
Hawaii	0	0	0	72	4	0	0	3
U.S. Total	**0**	**1**	**0**	**3**	**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, May 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**46**	**0**	**29**	**0**	**0**	**425**
Connecticut	0	376	0	76	0	0	0
Maine	0	273	0	1,447	0	0	0
Massachusetts	0	50	0	23	0	0	425
New Hampshire	0	103	0	0	0	0	0
Rhode Island	0	364	0	158	0	0	0
Vermont	0	352	0	0	0	0	0
Middle Atlantic	**265**	**109**	**0**	**30**	**0**	**0**	**433**
New Jersey	0	393	0	85	0	0	0
New York	0	122	0	30	0	0	433
Pennsylvania	265	56	0	144	0	0	0
East North Central	**11**	**266**	**0**	**27**	**0**	**0**	**375**
Illinois	26	407	0	23	0	0	679
Indiana	16	1,282	0	153	0	0	0
Michigan	0	244	0	39	0	0	0
Ohio	263	246	0	82	0	0	0
Wisconsin	120	8,666	0	112	0	0	428
West North Central	**24**	**249**	**0**	**58**	**0**	**0**	**0**
Iowa	39	138	0	356	0	0	0
Minnesota	157	291	0	122	0	0	0
Missouri	0	328	0	0	0	0	0
Nebraska	0	0	0	694	0	0	0
North Dakota	0	623	0	0	0	0	0
South Dakota	0	671	0	0	0	0	0
South Atlantic	**203**	**163**	**0**	**68**	**0**	**0**	**166**
District of Columbia	0	0	0	130	0	0	0
Florida	0	0	0	237	0	0	0
Georgia	0	80	0	0	0	0	0
Maryland	0	4,613	0	81	0	0	0
North Carolina	0	230	0	0	0	0	153
South Carolina	0	136	0	0	0	0	988
Virginia	203	70	0	0	0	0	0
East South Central	**110**	**0**	**0**	**114**	**0**	**0**	**0**
Mississippi	0	0	0	408	0	0	0
Tennessee	110	0	0	104	0	0	0
West South Central	**0**	**307**	**0**	**42**	**0**	**0**	**0**
Arkansas	0	0	0	0	0	0	0
Louisiana	0	0	0	296	0	0	0
Oklahoma	0	132	0	204	0	0	0
Texas	0	459	0	38	0	0	0
Mountain	**0**	**394**	**0**	**46**	**0**	**0**	**0**
Arizona	0	394	0	92	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	85	0	0	0
New Mexico	0	0	0	76	0	0	0
Utah	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**347**	**0**	**18**	**0**	**0**	**392**
California	0	92	0	17	0	0	392
Oregon	0	1,385	0	221	0	0	0
Washington	0	2,262	0	309	0	0	0
Pacific Noncontiguous	**14**	**141**	**0**	**668**	**0**	**0**	**0**
Alaska	14	195	0	668	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**11**	**38**	**0**	**11**	**0**	**0**	**160**

Displayed values of zero may 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, May 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**	**402**	**77**	**0**	**44**	**24**
Connecticut	0	0	0	0	0	0	0	76
Maine	0	0	0	0	89	0	44	55
Massachusetts	0	0	0	402	97	0	0	22
New Hampshire	0	0	0	0	0	0	0	103
Rhode Island	0	0	0	0	0	0	0	154
Vermont	0	0	0	0	263	0	0	212
Middle Atlantic	**0**	**0**	**0**	**80**	**27**	**0**	**12**	**16**
New Jersey	0	0	0	80	32	0	0	28
New York	0	0	0	0	64	0	30	24
Pennsylvania	0	0	0	0	24	0	0	26
East North Central	**0**	**0**	**0**	**361**	**37**	**0**	**15**	**16**
Illinois	0	0	0	0	0	0	0	20
Indiana	0	0	0	0	189	0	97	37
Michigan	0	0	0	0	35	0	14	18
Ohio	0	0	0	361	361	0	0	79
Wisconsin	0	0	0	0	294	0	1,672	93
West North Central	**0**	**0**	**0**	**0**	**91**	**0**	**76**	**25**
Iowa	0	0	0	0	156	0	0	44
Minnesota	0	0	0	0	99	0	76	72
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	272	0	0	258
North Dakota	0	0	0	0	0	0	0	623
South Dakota	0	0	0	0	0	0	0	671
South Atlantic	**0**	**0**	**0**	**99**	**34**	**0**	**14**	**25**
Delaware	0	0	0	0	161	0	0	161
District of Columbia	0	0	0	0	0	0	0	130
Florida	0	0	0	510	154	0	0	143
Georgia	0	0	0	344	165	0	0	159
Maryland	0	0	0	290	110	0	420	67
North Carolina	0	0	0	112	112	0	0	93
South Carolina	0	0	0	0	0	0	0	309
Virginia	0	0	0	0	35	0	14	21
East South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**97**
Mississippi	0	0	0	0	0	0	0	408
Tennessee	0	0	0	0	0	0	0	87
West South Central	**0**	**0**	**0**	**431**	**146**	**0**	**0**	**40**
Arkansas	0	0	0	0	433	0	0	393
Louisiana	0	0	0	0	0	0	0	296
Oklahoma	0	0	0	0	0	0	0	202
Texas	0	0	0	431	155	0	0	37
Mountain	**0**	**0**	**0**	**52**	**43**	**0**	**0**	**34**
Arizona	0	0	0	361	361	0	0	90
Colorado	0	0	0	85	61	0	0	50
Nevada	0	0	0	56	56	0	0	54
New Mexico	0	0	0	0	183	0	0	72
Utah	0	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**0**	**0**	**73**	**23**	**0**	**0**	**14**
California	0	0	0	73	23	0	0	14
Oregon	0	0	0	0	184	0	0	142
Washington	0	0	0	0	0	0	0	307
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**7**
Alaska	0	0	0	0	0	0	0	17
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**40**	**15**	**0**	**7**	**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.4.B. Relative Standard Error for Net Generation by Fuel Type:
Commercial Sector by Census Division and State, Year-to-Date through May 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**41**	**0**	**14**	**0**	**0**	**200**
Connecticut	0	194	0	37	0	0	0
Maine	0	223	0	735	0	0	0
Massachusetts	0	46	0	11	0	0	200
New Hampshire	0	86	0	0	0	0	0
Rhode Island	0	295	0	78	0	0	0
Vermont	0	288	0	0	0	0	0
Middle Atlantic	**74**	**136**	**0**	**14**	**240**	**0**	**204**
New Jersey	0	261	0	43	240	0	0
New York	0	150	0	13	0	0	204
Pennsylvania	74	26	0	71	0	0	0
East North Central	**5**	**433**	**0**	**10**	**0**	**0**	**186**
Illinois	10	188	0	8	0	0	356
Indiana	8	1,743	0	75	0	0	0
Michigan	0	482	0	12	0	0	0
Ohio	80	127	0	41	0	0	0
Wisconsin	46	2,685	0	49	0	0	210
West North Central	**10**	**176**	**0**	**22**	**0**	**0**	**0**
Iowa	16	191	0	133	0	0	0
Minnesota	54	196	0	30	0	0	0
Missouri	0	170	0	0	0	0	0
Nebraska	0	0	0	186	0	0	0
North Dakota	0	322	0	0	0	0	0
South Dakota	0	345	0	0	0	0	0
South Atlantic	**22**	**174**	**0**	**32**	**0**	**0**	**69**
District of Columbia	0	0	0	64	0	0	0
Florida	0	0	0	109	0	0	0
Georgia	0	41	0	0	0	0	0
Maryland	0	5,027	0	40	0	0	0
North Carolina	0	119	0	0	0	0	63
South Carolina	0	70	0	0	0	0	691
Virginia	118	30	0	0	0	0	0
East South Central	**43**	**0**	**0**	**54**	**0**	**0**	**0**
Mississippi	0	0	0	190	0	0	0
Tennessee	43	0	0	51	0	0	0
West South Central	**0**	**169**	**0**	**20**	**0**	**0**	**0**
Arkansas	0	0	0	594	0	0	0
Louisiana	0	0	0	138	0	0	0
Oklahoma	0	68	0	89	0	0	0
Texas	0	254	0	19	0	0	0
Mountain	**0**	**203**	**0**	**20**	**0**	**0**	**0**
Arizona	0	203	0	35	0	0	0
Colorado	0	0	0	0	0	0	0
Nevada	0	0	0	36	0	0	0
New Mexico	0	0	0	32	0	0	0
Utah	0	0	0	227	0	0	0
Pacific Contiguous	**0**	**347**	**0**	**8**	**0**	**0**	**276**
California	0	48	0	8	0	0	276
Oregon	0	2,422	0	49	0	0	0
Washington	0	649	0	179	0	0	0
Pacific Noncontiguous	**6**	**47**	**0**	**194**	**0**	**0**	**0**
Alaska	6	77	0	194	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**4**	**39**	**0**	**5**	**240**	**0**	**76**

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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 May 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**	**25**	**0**	**19**	**11**
Connecticut	0	0	0	0	0	0	0	37
Maine	0	0	0	0	29	0	19	18
Massachusetts	0	0	0	164	44	0	0	10
New Hampshire	0	0	0	0	0	0	0	86
Rhode Island	0	0	0	0	0	0	0	76
Vermont	0	0	0	0	113	0	0	155
Middle Atlantic	**0**	**0**	**0**	**36**	**9**	**0**	**5**	**7**
New Jersey	0	0	0	36	9	0	0	12
New York	0	0	0	291	21	0	13	10
Pennsylvania	0	0	0	0	9	0	0	14
East North Central	**0**	**0**	**0**	**141**	**15**	**0**	**9**	**6**
Illinois	0	0	0	0	0	0	0	7
Indiana	0	0	0	0	62	0	44	20
Michigan	0	0	0	0	15	0	9	7
Ohio	0	0	0	141	141	0	0	39
Wisconsin	0	0	0	0	91	0	704	40
West North Central	**0**	**0**	**0**	**0**	**30**	**0**	**37**	**9**
Iowa	0	0	0	0	51	0	0	15
Minnesota	0	0	0	0	38	0	37	21
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	87	0	0	79
North Dakota	0	0	0	0	0	0	0	322
South Dakota	0	0	0	0	0	0	0	345
South Atlantic	**0**	**0**	**0**	**41**	**12**	**0**	**7**	**10**
Delaware	0	0	0	0	71	0	0	71
District of Columbia	0	0	0	0	0	0	0	64
Florida	0	0	0	199	50	0	0	60
Georgia	0	0	0	134	56	0	0	53
Maryland	0	0	0	119	38	0	236	32
North Carolina	0	0	0	47	47	0	0	17
South Carolina	0	0	0	0	0	0	0	134
Virginia	0	0	0	0	12	0	7	8
East South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**46**
Mississippi	0	0	0	0	0	0	0	190
Tennessee	0	0	0	0	0	0	0	42
West South Central	**0**	**0**	**0**	**168**	**48**	**0**	**0**	**19**
Arkansas	0	0	0	0	139	0	0	143
Louisiana	0	0	0	0	0	0	0	138
Oklahoma	0	0	0	0	0	0	0	88
Texas	0	0	0	168	51	0	0	18
Mountain	**0**	**0**	**0**	**26**	**23**	**0**	**0**	**16**
Arizona	0	0	0	141	101	0	0	33
Colorado	0	0	0	52	36	0	0	34
Nevada	0	0	0	28	28	0	0	25
New Mexico	0	0	0	0	106	0	0	31
Utah	0	0	0	0	0	0	0	227
Pacific Contiguous	**0**	**0**	**0**	**31**	**8**	**0**	**0**	**5**
California	0	0	0	31	8	0	0	6
Oregon	0	0	0	0	60	0	0	38
Washington	0	0	0	0	0	0	0	176
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**
Alaska	0	0	0	0	0	0	0	6
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**17**	**5**	**0**	**4**	**3**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**64**	**18**	**0**	**14**	**0**	**0**	**33**
Connecticut	0	256	0	71	0	0	0
Maine	0	18	0	13	0	0	32
Massachusetts	91	19	0	87	0	0	407
New Hampshire	0	453	0	216	0	0	457
Vermont	0	0	0	0	0	0	221
Middle Atlantic	**13**	**11**	**96**	**29**	**11**	**0**	**128**
New Jersey	0	491	133	52	44	0	0
New York	0	6	0	61	0	0	128
Pennsylvania	20	141	139	41	8	0	0
East North Central	**5**	**44**	**45**	**29**	**10**	**0**	**91**
Illinois	7	2,797	0	55	32	0	0
Indiana	77	26	0	39	9	0	0
Michigan	27	0	108	88	0	0	229
Ohio	20	0	377	129	42	0	0
Wisconsin	8	303	0	87	0	0	100
West North Central	**7**	**227**	**0**	**67**	**82**	**0**	**152**
Iowa	7	301	0	261	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	20	496	0	74	0	0	152
Missouri	78	0	0	777	0	0	0
Nebraska	29	0	0	232	0	0	0
North Dakota	56	258	0	303	82	0	0
South Atlantic	**14**	**24**	**0**	**15**	**0**	**0**	**11**
Delaware	0	0	0	0	0	0	0
Florida	68	88	0	33	0	0	0
Georgia	16	29	0	40	0	0	238
Maryland	0	0	0	118	0	0	0
North Carolina	69	74	0	53	0	0	19
South Carolina	45	0	0	37	0	0	0
Virginia	25	61	0	62	0	0	311
West Virginia	9	0	0	422	0	0	5
East South Central	**5**	**72**	**0**	**14**	**19**	**0**	**14**
Alabama	34	78	0	18	19	0	0
Kentucky	0	0	0	73	0	0	0
Mississippi	0	0	0	20	0	0	0
Tennessee	3	321	0	63	0	0	14
West South Central	**41**	**77**	**16**	**4**	**6**	**0**	**0**
Arkansas	0	212	0	56	0	0	0
Louisiana	0	0	64	5	5	0	0
Oklahoma	48	0	0	139	0	0	0
Texas	0	346	5	5	14	0	0
Mountain	**8**	**1,610**	**0**	**20**	**15**	**0**	**0**
Arizona	0	0	0	0	0	0	0
Colorado	0	2,098	0	167	0	0	0
Idaho	59	0	0	172	0	0	0
Montana	181	0	0	0	0	0	0
Nevada	0	0	0	47	0	0	0
New Mexico	0	0	0	82	0	0	0
Utah	0	0	0	41	143	0	0
Wyoming	25	1,652	0	23	8	0	0
Pacific Contiguous	**9**	**24**	**0**	**6**	**8**	**0**	**725**
California	9	14	0	6	8	0	0
Oregon	0	0	0	136	0	0	0
Washington	0	66	0	0	0	0	725
Pacific Noncontiguous	**147**	**78**	**0**	**186**	**128**	**0**	**175**
Alaska	0	16	0	186	395	0	0
Hawaii	147	105	0	0	135	0	175
U.S. Total	**4**	**22**	**14**	**3**	**4**	**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, May 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**	**4**	**0**	**19**	**8**
Connecticut	0	0	0	0	0	0	387	69
Maine	0	0	0	0	5	0	0	8
Massachusetts	0	0	0	0	0	0	0	21
New Hampshire	0	0	0	0	0	0	0	196
Vermont	0	0	0	0	0	0	0	221
Middle Atlantic	**0**	**0**	**0**	**188**	**9**	**0**	**0**	**11**
New Jersey	0	0	0	510	510	0	0	36
New York	0	0	0	0	5	0	0	17
Pennsylvania	0	0	0	196	13	0	0	12
East North Central	**0**	**0**	**0**	**0**	**7**	**0**	**16**	**6**
Illinois	0	0	0	0	0	0	26	10
Indiana	0	0	0	0	218	0	0	9
Michigan	0	0	0	0	10	0	0	19
Ohio	0	0	0	0	14	0	0	18
Wisconsin	0	0	0	0	12	0	63	12
West North Central	**0**	**0**	**0**	**0**	**11**	**0**	**68**	**8**
Iowa	0	0	0	0	0	0	0	8
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	0	11	0	68	15
Missouri	0	0	0	0	597	0	0	80
Nebraska	0	0	0	0	0	0	0	33
North Dakota	0	0	0	0	3,713	0	0	51
South Atlantic	**0**	**0**	**0**	**0**	**3**	**0**	**5**	**4**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	8	0	5	9
Georgia	0	0	0	0	4	0	5	7
Maryland	0	0	0	0	0	0	0	33
North Carolina	0	0	0	0	7	0	0	11
South Carolina	0	0	0	0	0	0	0	3
Virginia	0	0	0	0	4	0	0	10
West Virginia	0	0	0	0	0	0	0	5
East South Central	**0**	**0**	**0**	**0**	**3**	**0**	**167**	**4**
Alabama	0	0	0	0	5	0	0	5
Kentucky	0	0	0	0	5	0	0	33
Mississippi	0	0	0	0	3	0	259	9
Tennessee	0	0	0	0	9	0	0	5
West South Central	**0**	**0**	**0**	**0**	**4**	**0**	**12**	**3**
Arkansas	0	0	0	0	3	0	0	7
Louisiana	0	0	0	0	5	0	7	4
Oklahoma	0	0	0	0	35	0	110	32
Texas	0	0	0	0	13	0	22	4
Mountain	**0**	**0**	**0**	**244**	**7**	**0**	**12**	**7**
Arizona	0	0	0	0	0	0	0	0
Colorado	0	0	0	0	174	0	64	60
Idaho	0	0	0	0	6	0	0	11
Montana	0	0	0	0	0	0	0	181
Nevada	0	0	0	244	244	0	0	47
New Mexico	0	0	0	0	0	0	0	82
Utah	0	0	0	0	0	0	0	6
Wyoming	0	0	0	0	0	0	0	13
Pacific Contiguous	**0**	**0**	**0**	**370**	**6**	**0**	**18**	**5**
California	0	0	0	370	14	0	21	5
Oregon	0	0	0	0	8	0	0	18
Washington	0	0	0	0	7	0	0	7
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**93**	**0**	**0**	**49**
Alaska	0	0	0	0	718	0	0	89
Hawaii	0	0	0	0	93	0	0	57
U.S. Total	**0**	**0**	**0**	**159**	**2**	**0**	**6**	**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.B. Relative Standard Error for Net Generation by Fuel Type:
Industrial Sector by Census Division and State, Year-to-Date through May 2013

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**17**	**26**	**0**	**7**	**0**	**0**	**11**
Connecticut	0	210	0	35	0	0	0
Maine	0	28	0	7	0	0	10
Massachusetts	40	22	0	43	0	0	193
New Hampshire	0	8,152	0	106	0	0	220
Vermont	0	0	0	0	0	0	98
Middle Atlantic	**5**	**13**	**60**	**14**	**5**	**0**	**56**
New Jersey	0	524	133	25	21	0	0
New York	0	10	0	28	0	0	56
Pennsylvania	8	137	67	20	4	0	0
East North Central	**2**	**12**	**17**	**12**	**4**	**0**	**45**
Illinois	3	1,439	0	27	15	0	0
Indiana	36	10	0	18	4	0	0
Michigan	12	0	60	23	0	0	113
Ohio	7	0	377	65	20	0	0
Wisconsin	4	124	0	26	0	0	49
West North Central	**4**	**77**	**0**	**23**	**40**	**0**	**66**
Iowa	4	156	0	116	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	9	127	0	28	0	0	66
Missouri	29	0	0	394	0	0	0
Nebraska	13	0	0	62	0	0	0
North Dakota	26	100	0	62	40	0	0
South Atlantic	**6**	**11**	**0**	**7**	**0**	**0**	**5**
Delaware	0	0	0	0	0	0	0
Florida	30	40	0	14	0	0	0
Georgia	7	14	0	18	0	0	103
Maryland	0	0	0	62	0	0	0
North Carolina	29	59	0	28	0	0	8
South Carolina	9	0	0	16	0	0	0
Virginia	12	16	0	34	0	0	142
West Virginia	4	0	0	208	0	0	2
East South Central	**2**	**33**	**0**	**6**	**8**	**0**	**6**
Alabama	15	36	0	8	8	0	0
Kentucky	0	0	0	35	0	0	0
Mississippi	0	0	0	9	0	0	0
Tennessee	1	196	0	21	0	0	6
West South Central	**19**	**13**	**7**	**2**	**3**	**0**	**0**
Arkansas	0	178	0	21	0	0	0
Louisiana	163	0	34	2	3	0	0
Oklahoma	27	0	0	55	0	0	0
Texas	0	203	3	2	5	0	0
Mountain	**6**	**166**	**0**	**7**	**5**	**0**	**0**
Arizona	82	137	0	84	0	0	0
Colorado	0	1,080	0	71	0	0	0
Idaho	27	0	0	19	0	0	0
Montana	69	0	0	0	0	0	0
Nevada	0	0	0	19	0	0	0
New Mexico	0	0	0	35	0	0	0
Utah	0	0	0	16	55	0	0
Wyoming	12	605	0	6	3	0	0
Pacific Contiguous	**3**	**17**	**0**	**3**	**3**	**0**	**361**
California	3	15	0	3	3	0	0
Oregon	0	0	0	27	0	0	0
Washington	0	28	0	0	0	0	361
Pacific Noncontiguous	**88**	**22**	**0**	**39**	**49**	**0**	**85**
Alaska	0	8	0	39	175	0	0
Hawaii	88	31	0	0	51	0	85
U.S. Total	**2**	**8**	**6**	**1**	**2**	**0**	**4**

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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 May 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**	**8**	**4**
Connecticut	0	0	0	0	0	0	190	34
Maine	0	0	0	0	2	0	0	4
Massachusetts	0	0	0	0	0	0	0	10
New Hampshire	0	0	0	0	257	0	0	96
Vermont	0	0	0	0	0	0	0	98
Middle Atlantic	**0**	**0**	**0**	**83**	**4**	**0**	**0**	**5**
New Jersey	0	0	0	199	199	0	0	19
New York	0	0	0	0	3	0	0	8
Pennsylvania	0	0	0	90	6	0	0	6
East North Central	**0**	**0**	**0**	**0**	**3**	**0**	**5**	**2**
Illinois	0	0	0	0	0	0	12	5
Indiana	0	0	0	0	70	0	0	4
Michigan	0	0	0	0	4	0	0	7
Ohio	0	0	0	0	6	0	0	7
Wisconsin	0	0	0	0	5	0	34	4
West North Central	**0**	**0**	**0**	**0**	**4**	**0**	**31**	**3**
Iowa	0	0	0	0	0	0	0	4
Kansas	0	0	0	0	0	0	0	0
Minnesota	0	0	0	0	4	0	31	6
Missouri	0	0	0	0	191	0	0	31
Nebraska	0	0	0	0	0	0	0	13
North Dakota	0	0	0	0	227	0	0	21
South Atlantic	**0**	**0**	**0**	**0**	**1**	**0**	**2**	**2**
Delaware	0	0	0	0	0	0	0	0
Florida	0	0	0	0	3	0	2	4
Georgia	0	0	0	0	2	0	10	4
Maryland	0	0	0	0	0	0	0	10
North Carolina	0	0	0	0	2	0	0	4
South Carolina	0	0	0	0	0	0	0	1
Virginia	0	0	0	0	2	0	0	5
West Virginia	0	0	0	0	0	0	0	2
East South Central	**0**	**0**	**0**	**0**	**1**	**0**	**59**	**2**
Alabama	0	0	0	0	2	0	0	2
Kentucky	0	0	0	0	2	0	0	16
Mississippi	0	0	0	0	1	0	85	5
Tennessee	0	0	0	0	4	0	0	2
West South Central	**0**	**0**	**0**	**0**	**2**	**0**	**6**	**1**
Arkansas	0	0	0	0	1	0	0	3
Louisiana	0	0	0	0	2	0	4	2
Oklahoma	0	0	0	0	13	0	60	16
Texas	0	0	0	0	5	0	10	2
Mountain	**0**	**0**	**0**	**191**	**3**	**0**	**6**	**4**
Arizona	0	0	0	0	0	0	0	67
Colorado	0	0	0	0	104	0	28	28
Idaho	0	0	0	0	2	0	0	5
Montana	0	0	0	0	0	0	0	69
Nevada	0	0	0	191	191	0	0	19
New Mexico	0	0	0	0	0	0	0	35
Utah	0	0	0	0	0	0	0	4
Wyoming	0	0	0	0	0	0	0	5
Pacific Contiguous	**0**	**0**	**0**	**144**	**2**	**0**	**6**	**2**
California	0	0	0	144	6	0	7	2
Oregon	0	0	0	0	3	0	0	6
Washington	0	0	0	0	3	0	0	3
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**30**	**0**	**0**	**17**
Alaska	0	0	0	0	222	0	0	25
Hawaii	0	0	0	0	30	0	0	21
U.S. Total	**0**	**0**	**0**	**69**	**1**	**0**	**3**	**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, May 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**1**	**0**	**0**
Connecticut	0	1	3	0	1
Maine	1	1	1	0	0
Massachusetts	1	1	2	0	1
New Hampshire	1	1	3	0	1
Rhode Island	0	0	0	0	0
Vermont	2	3	5	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	4	0	0
Pennsylvania	0	0	0	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	1	1	1	0	0
Indiana	1	1	1	0	1
Michigan	0	0	1	0	0
Ohio	1	1	1	0	0
Wisconsin	1	1	1	0	1
West North Central	**1**	**1**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	1	1	3	0	1
Minnesota	1	1	2	0	1
Missouri	1	1	3	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	4	0	1
South Dakota	1	2	3	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	2	4	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	2	0	0
Georgia	1	1	1	0	1
Maryland	1	1	2	0	1
North Carolina	1	1	1	0	0
South Carolina	1	1	1	0	1
Virginia	1	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	**1**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	1	2	1	0	1
Mississippi	1	2	2	0	1
Tennessee	1	2	2	0	1
West South Central	**0**	**0**	**1**	**2**	**0**
Arkansas	1	2	2	491	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	1	2	0	0
Colorado	1	1	3	0	1
Idaho	1	1	1	0	0
Montana	1	2	2	0	1
Nevada	0	1	0	0	0
New Mexico	2	2	4	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	1
Washington	1	1	2	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**1**
Alaska	2	2	4	0	1
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 May 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**0**	**0**
Connecticut	0	1	3	0	0
Maine	0	1	1	0	0
Massachusetts	1	1	2	0	1
New Hampshire	0	1	3	0	1
Rhode Island	0	0	0	0	0
Vermont	2	2	4	0	2
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	1	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	1	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	1	1	0	0
Wisconsin	1	1	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	1
Missouri	1	1	3	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	1	2	2	0	1
South Atlantic	**0**	**0**	**0**	**0**	**0**
Delaware	1	1	4	0	1
District of Columbia	0	0	0	0	0
Florida	1	0	1	0	0
Georgia	1	1	1	0	1
Maryland	1	1	2	0	0
North Carolina	1	1	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	**1**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	1	1	1	0	1
Mississippi	2	2	1	0	1
Tennessee	1	1	2	0	1
West South Central	**1**	**0**	**0**	**1**	**0**
Arkansas	1	1	1	281	1
Louisiana	1	1	0	0	0
Oklahoma	1	1	1	0	1
Texas	1	0	1	0	0
Mountain	**0**	**0**	**0**	**0**	**0**
Arizona	0	0	1	0	0
Colorado	1	1	2	0	1
Idaho	1	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	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	1	2	0	1
Washington	1	1	1	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 A.7.A. Relative Standard Error for Revenue from Retail Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, May 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**2**	**0**	**0**
Connecticut	0	1	3	0	0
Maine	0	1	2	0	0
Massachusetts	1	1	3	0	1
New Hampshire	0	1	3	0	1
Rhode Island	0	0	0	0	0
Vermont	2	2	6	0	2
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	4	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	1	1	2	0	1
Indiana	1	1	2	0	1
Michigan	0	0	1	0	0
Ohio	1	1	2	0	1
Wisconsin	1	1	2	0	1
West North Central	**0**	**1**	**1**	**0**	**0**
Iowa	1	2	2	0	1
Kansas	1	1	4	0	1
Minnesota	1	1	2	0	1
Missouri	1	1	4	0	1
Nebraska	1	2	3	0	1
North Dakota	1	1	4	0	1
South Dakota	1	2	4	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	2	8	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	3	0	0
Georgia	1	1	2	0	1
Maryland	1	1	2	0	0
North Carolina	1	1	2	0	1
South Carolina	1	1	2	0	1
Virginia	1	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	**1**	**1**	**1**	**0**	**0**
Alabama	1	1	2	0	1
Kentucky	1	2	2	0	1
Mississippi	1	2	3	0	1
Tennessee	1	1	4	0	1
West South Central	**0**	**0**	**1**	**3**	**0**
Arkansas	1	2	3	492	1
Louisiana	1	1	1	0	1
Oklahoma	1	1	3	0	1
Texas	0	1	1	0	0
Mountain	**0**	**0**	**1**	**0**	**0**
Arizona	0	0	3	0	0
Colorado	1	1	5	0	1
Idaho	1	1	1	0	1
Montana	1	2	4	0	1
Nevada	0	1	1	0	0
New Mexico	2	2	7	0	2
Utah	1	1	2	0	1
Wyoming	1	2	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	2	0	0
Oregon	1	1	3	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	2	3	4	0	2
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**10**	**0**
Connecticut	0	0	2	0	0
Maine	1	1	2	0	0
Massachusetts	1	1	2	30	1
New Hampshire	0	0	3	0	0
Rhode Island	0	0	0	0	0
Vermont	1	2	5	0	1
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**1**	**0**	**0**
Illinois	0	1	2	0	0
Indiana	1	1	1	0	1
Michigan	0	0	1	0	0
Ohio	0	0	2	0	0
Wisconsin	1	0	1	0	0
West North Central	**1**	**0**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	2	1	2	0	1
Minnesota	1	1	1	0	1
Missouri	1	1	4	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	2	2	3	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	1	6	0	1
District of Columbia	0	0	0	0	0
Florida	1	1	2	0	0
Georgia	1	1	2	0	1
Maryland	0	1	2	0	0
North Carolina	1	1	1	0	1
South Carolina	1	1	1	0	1
Virginia	1	0	1	0	0
West Virginia	0	0	0	0	0
East South Central	**1**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	1	1	2	0	1
Mississippi	2	2	2	0	1
Tennessee	1	1	3	0	1
West South Central	**1**	**1**	**1**	**1**	**0**
Arkansas	2	2	2	291	1
Louisiana	1	1	1	0	1
Oklahoma	2	1	2	0	1
Texas	1	1	1	0	0
Mountain	**0**	**0**	**1**	**0**	**0**
Arizona	1	0	2	0	0
Colorado	1	1	3	0	1
Idaho	1	1	1	0	1
Montana	2	1	3	0	1
Nevada	0	1	1	0	0
New Mexico	2	1	5	0	1
Utah	1	1	2	0	1
Wyoming	2	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	1	2	0	1
Washington	1	1	2	0	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**

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**1**	**0**	**0**
Connecticut	0	0	2	0	0
Maine	0	0	1	0	0
Massachusetts	0	1	1	0	1
New Hampshire	0	0	1	0	0
Rhode Island	0	0	0	0	0
Vermont	1	1	2	0	1
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	2	0	0
Pennsylvania	0	0	1	0	0
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	0	0	1	0	0
Indiana	0	0	1	0	0
Michigan	0	0	0	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	1	0	1
Kansas	1	1	3	0	1
Minnesota	1	0	1	0	0
Missouri	0	0	2	0	0
Nebraska	1	1	2	0	1
North Dakota	1	1	2	0	1
South Dakota	1	1	2	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	0	0	4	0	1
District of Columbia	0	0	0	0	0
Florida	0	0	2	0	0
Georgia	1	0	2	0	0
Maryland	0	0	1	0	0
North Carolina	1	0	1	0	0
South Carolina	1	1	1	0	0
Virginia	0	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**0**	**1**	**0**	**0**
Alabama	1	1	1	0	0
Kentucky	1	1	1	0	0
Mississippi	1	1	2	0	1
Tennessee	0	0	2	0	0
West South Central	**0**	**0**	**1**	**1**	**0**
Arkansas	1	1	2	133	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	0	0	3	0	1
Idaho	1	0	0	0	0
Montana	1	1	2	0	1
Nevada	0	0	1	0	0
New Mexico	1	1	4	0	1
Utah	1	0	1	0	0
Wyoming	1	1	1	0	0
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	0	0	1	0	0
Washington	0	0	1	0	0
Pacific Noncontiguous	**0**	**1**	**1**	**0**	**0**
Alaska	1	1	2	0	1
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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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 May 2013

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**2**	**10**	**0**
Connecticut	0	1	3	0	0
Maine	1	1	2	0	1
Massachusetts	1	1	2	30	1
New Hampshire	0	1	3	0	1
Rhode Island	0	0	0	0	0
Vermont	2	2	5	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	0	1	2	0	0
Indiana	1	1	2	0	1
Michigan	0	0	1	0	0
Ohio	0	1	2	0	0
Wisconsin	1	1	1	0	1
West North Central	**1**	**1**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	2	2	3	0	1
Minnesota	1	1	1	0	1
Missouri	1	1	4	0	1
Nebraska	1	1	2	0	1
North Dakota	1	1	3	0	1
South Dakota	2	2	3	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	1	6	0	1
District of Columbia	0	0	0	0	0
Florida	1	1	2	0	0
Georgia	1	1	2	0	1
Maryland	1	1	3	0	0
North Carolina	1	1	1	0	1
South Carolina	1	1	1	0	1
Virginia	1	1	2	0	0
West Virginia	0	0	0	0	0
East South Central	**1**	**1**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	1	2	2	0	1
Mississippi	2	2	2	0	1
Tennessee	1	1	4	0	1
West South Central	**1**	**1**	**1**	**2**	**0**
Arkansas	2	2	2	315	1
Louisiana	1	1	1	0	1
Oklahoma	1	1	2	0	1
Texas	1	1	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	1
Montana	2	1	3	0	1
Nevada	0	1	1	0	0
New Mexico	2	1	5	0	1
Utah	1	1	1	0	1
Wyoming	2	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	1	2	0	1
Washington	1	1	2	0	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**

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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

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, May 2013

Census Division and State	Coal (Million Btu per Ton)	Petroleum Liquids (Million Btu per Barrel)	Petroleum Coke (Million Btu per Ton)	Natural Gas (Million Btu per Thousand Cubic Feet)
New England	22.43	6.23	--	1.04
Connecticut	18.41	5.80	--	1.04
Maine	25.31	6.18	--	1.02
Massachusetts	23.01	6.30	--	1.04
New Hampshire	25.97	5.57	--	1.03
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	23.76	6.07	--	1.03
New Jersey	25.55	5.76	--	1.04
New York	21.17	6.12	--	1.03
Pennsylvania	23.91	5.82	--	1.04
East North Central	20.02	5.78	28.50	1.03
Illinois	17.89	5.77	--	1.01
Indiana	22.14	5.71	--	1.02
Michigan	18.66	5.85	28.99	1.02
Ohio	24.06	5.74	28.52	1.03
Wisconsin	18.14	5.85	28.20	1.03
West North Central	16.73	5.77	--	1.03
Iowa	17.42	5.77	--	1.03
Kansas	17.23	5.77	--	1.02
Minnesota	17.76	5.78	--	1.03
Missouri	17.69	5.78	--	1.02
Nebraska	17.24	5.80	--	1.04
North Dakota	12.97	5.76	--	--
South Dakota	16.73	--	--	1.10
South Atlantic	23.71	6.00	28.15	1.02
Delaware	25.98	5.67	--	1.03
District of Columbia	--	--	--	--
Florida	23.52	6.09	28.20	1.02
Georgia	20.04	5.83	27.40	1.01
Maryland	24.16	5.81	--	1.04
North Carolina	24.96	5.82	--	1.02
South Carolina	24.79	6.15	--	1.02
Virginia	23.68	6.16	--	1.05
West Virginia	24.65	5.72	--	1.05
East South Central	21.69	5.82	27.59	1.02
Alabama	20.24	5.78	--	1.02
Kentucky	22.52	5.84	27.59	1.03
Mississippi	23.18	5.83	--	1.01
Tennessee	21.44	5.76	--	1.01
West South Central	16.00	5.80	28.94	1.03
Arkansas	17.41	5.85	--	1.03
Louisiana	16.71	5.81	29.00	1.03
Oklahoma	17.33	--	--	1.04
Texas	15.41	5.77	28.60	1.02
Mountain	19.16	5.75	--	1.04
Arizona	19.41	5.63	--	1.03
Colorado	19.04	--	--	1.04
Idaho	--	--	--	1.03
Montana	17.13	5.92	--	--
Nevada	19.24	5.81	--	1.04
New Mexico	18.11	5.66	--	1.04
Utah	22.48	5.88	--	1.04
Wyoming	17.70	5.81	--	0.95
Pacific Contiguous	23.19	5.83	--	1.03
California	23.19	--	--	1.03
Oregon	--	5.83	--	1.04
Washington	--	--	--	1.03
Pacific Noncontiguous	20.32	6.19	--	1.01
Alaska	--	--	--	1.01
Hawaii	20.32	6.19	--	--
U.S. Total	19.54	6.07	28.56	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%	1.85%
Nuclear	0.01%	0.00%	0.00%
Other	2.64%	0.78%	1.03%
Total	**0.11%**	**0.17%**	**0.15%**
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%	0.39%
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%	0.28%
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

Item	2009			2010			2011		
	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	313,450	-1.79%
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**	**4,100,656**	**-0.12%**
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	948,668	0.33%
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	-0.17%
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.